



AGENDA

CITY OF IMPERIAL BEACH DESIGN REVIEW BOARD REGULAR MEETING



THURSDAY, NOVEMBER 17, 2016 – 4:00 P.M.

Council Chambers
825 Imperial Beach Blvd.
Imperial Beach, CA 91932

NOTICE TO THE PUBLIC

SPEAKERS ARE REQUESTED TO COMPLETE A "REQUEST TO SPEAK" FORM PRIOR TO THE COMMENCEMENT OF THE MEETING AND SUBMIT IT TO THE SECRETARY. "REQUEST TO SPEAK" FORMS ARE LOCATED IN THE BACK OF THE COMMUNITY ROOM. PERSONS ADDRESSING THE COMMITTEE ARE LIMITED TO THREE (3) MINUTES.

AMERICANS WITH DISABILITIES ACT

The City of Imperial Beach is endeavoring to be in total compliance with the Americans with Disabilities Act (ADA). If you require assistance or auxiliary aids in order to participate at DRB meetings, please contact Larissa Richards at (619) 628-1356, as far in advance of the meeting as possible.

1.0 CALL TO ORDER

Roll Call: Nakawatase, Pamintuan, Bowman, Smith, Voronchihin

2.0 PUBLIC COMMENTS

The Public may address the Board for up to three (3) minutes on any subject within the Design Review Board's jurisdiction. In accordance with State law, the Board may not take action on an item not scheduled on the agenda. If appropriate, the item will be referred to staff or placed on a future agenda.

3.0 CONSENT CALENDAR

All matters listed under Consent Calendar are considered to be routine by the Design Review Board, and will be enacted by one motion. There will be no separate discussion of these items, unless a Board Member or member of the public requests that particular item(s) be removed from the Consent Calendar and considered separately.

3.1 APPROVAL OF THE AUGUST 18, 2016 REGULAR AND SPECIAL MEETING MINUTES AND THE OCTOBER 20, 2016 REGULAR MEETING MINUTES.

4.0 BUSINESS FROM THE COMMUNITY DEVELOPMENT DEPARTMENT

4.1 REPORT: T-MOBILE (APPLICANT); CONSIDERATION OF DESIGN REVIEW CASE (DRC 160038) FOR THE EXPANSION OF A WIRELESS TELECOMMUNICATIONS FACILITY AT 600 PALM AVENUE (APN 625-140-21-00). MF 1208.

5.0 INFORMATIONAL ITEMS/REPORTS

NONE.

6.0 ADJOURNMENT

_____/s/
LARISSA RICHARDS
ADMINISTRATIVE ASSISTANT

Any writings or documents provided to a majority of the Design Review Board regarding any item on this agenda will be made available for public inspection in the office of the City Clerk located at 825 Imperial Beach Blvd., Imperial Beach, CA 91932 during normal business hours.

DRAFT

MINUTES

**CITY OF IMPERIAL BEACH
DESIGN REVIEW BOARD**

**AUGUST 18, 2016
REGULAR AND SPECIAL MEETING 4:00 P.M.**

**City Council Chambers
825 Imperial Beach Blvd.
Imperial Beach, CA 91932**

1.0 CALL TO ORDER

Chairperson Nakawatase called the meeting to order at 4:03 P.M.

ROLL CALL

Board members Present: Nakawatase, Pamintuan, Bowman, Smith, Voronchihin
Board members Absent: None
Staff Present: City Planner Foltz, Recording Secretary Richards

2.0 PUBLIC COMMENTS

None.

3.0 CONSENT CALENDAR

Board Member Bowman and Chair Nakawatase recommended the following change be made to Page 3 of the June 16, 2016 Regular Meeting Minutes:

“Board Member Bowman and Chair Nakawatase suggested that the comfort station be constructed concurrent with street end improvements as a cost avoidance to the City.

Vice Chair Pamintuan noted that it would be beneficial for the safety of the public to have the comfort station placed near a lifeguard tower.”

3.1 MOTION BY NAKAWATASE, SECOND BY BOWMAN, TO APPROVE THE MAY 19, 2016 AND AMENDED JUNE 16, 2016 REGULAR MEETINGS MINUTES, AS WELL AS THE NOVEMBER 17, 2015 AND MAY 11, 2016 SPECIAL WORKSHOP MEETING MINUTES.

MOTION CARRIED BY THE FOLLOWING VOTE:

**AYES: NAKAWATASE, PAMINTUAN, BOWMAN, VORONCHIHIN, SMITH
NOES: NONE
ABSENT: NONE
ABSTAIN: NONE**

4.0 BUSINESS FROM THE COMMUNITY DEVELOPMENT DEPARTMENT

4.1 REPORT: STEVEN HAMILTON, L.A. ARCHITECTS (APPLICANT); CONSIDERATION OF A DESIGN REVIEW CASE (DRC 160042) FOR A WALK UP AUTOMATED TELLER MACHINE AT 896 PALM AVENUE (APN 626-211-07-00). MF 1211.

City Planner Foltz gave a PowerPoint presentation on the proposed addition of a walk up Automated Teller Machine (ATM) at 896 Palm Avenue in an existing planter area. Staff recommendations are to reduce signage so that it shall not exceed one square foot per one lineal foot of wall face and that a stone base be provided to match the surrounding building elevations.

Chair Nakawatase requested that Steven Hamilton with L.A. Architects step up to the podium for questions from the Board.

Chair Nakawatase inquired about the possibility of relocating the ATM from the proposed planter area to the space between Goodwill and Wally's to provide more visibility and safety.

Steven Hamilton with L.A. Architects stated that the location being proposed is the most preferred by the property owner.

City Planner Foltz stated that there are constraints someone would have to consider, such as a 5' building separation requirement, so the building would either have to be 5' away or attached it to the existing building. ADA compliance would have to be maintained. Owners may not prefer to attach it to the building and leases may have to be amended. Vehicle delivery pick-ups and drop-offs may conflict with the different businesses.

Chair Nakawatase closed public discussion at 4:30 P.M.

Board Member Smith stated that the placement of the ATM as a standalone building in the parking lot is a safer option at night because it would be more visible from the street.

Board Member Voronchihin stated that the placement of the ATM as a standalone building increases the risk of someone attempting to drive into it in order to burglarize it.

Chair Nakawatase requested that Steven Hamilton approach the podium once more for questions.

Vice Chair Pamintuan inquired as to what safety elements are going to be in place at the ATM as well as the consistency of visitations by the Armored Cars emptying the ATM.

Steven Hamilton stated that the Armored Car will clear out the ATM on a daily basis. He also stated that the ATM itself will have numerous cameras installed on it for safety.

MOTION BY PAMINTUAN, SECOND BY SMITH, TO APPROVE THE DESIGN AS PRESENTED ALONG WITH STAFF'S RECOMMENDATIONS TO REDUCE SIGNAGE AND THE ADDITION OF A ROCK BASE ALONG THE STRUCTURE.

MOTION CARRIED BY THE FOLLOWING VOTE:

AYES: PAMINTUAN, BOWMAN, SMITH, VORONCHIHIN

NOES: NAKAWATASE

ABSENT: NONE

ABSTAIN: NONE

5.0 INFORMATIONAL ITEMS/REPORTS

- The Mobil gas station approved City Council, however, the applicant is not sure if the service bays, will remain due to lack of a tenant.
- 812 Ocean Lane was approved by the Tidelands Advisory Committee and City Council.
- A pad for the Grocery Outlet will be installed soon. The applicant held a community meeting for the consideration of a hotel to be added to Phase 2 for the buildings that they have not received tenants at, but no official decision has been made.

- Bernardo Shores has received all of the Caltrans permits for right-of-way Improvements.
- The Lighthouse Project is still in plan review.

6.0 ADJOURNMENT

Chairperson Nakawatase adjourned the meeting at 4:55 P.M.

Approved:

Shirley Nakawatase, DRB Chairperson

Attest:

Larissa Richards, Recording Secretary

DRAFT

MINUTES

CITY OF IMPERIAL BEACH DESIGN REVIEW BOARD

**October 20, 2016
REGULAR MEETING 4:00 P.M.**

**City Council Chambers
825 Imperial Beach Blvd.
Imperial Beach, CA 91932**

1.0 CALL TO ORDER

Vice Chair Pamintuan called the Regular Meeting to order at 4:00 p.m.

ROLL CALL

Board Members Present: Pamintuan, Bowman, Voronchihin, Smith
Board Members Absent: Nakawatase
Staff Present: Assistant City Manager Dush, City Planner Foltz, Recording Secretary Richards

2.0 PUBLIC COMMENTS

Michael Carey spoke in reference to a request that he had brought before City Council on Wednesday, October 19, 2016. His request was to have an Ad Hoc Committee created in order to discuss issues along Seacoast Drive and the new commercial construction. He stated that there are a number of structures being built in our City that are going outside of our City's zoning restrictions.

3.0 CONSENT CALENDAR

NONE

4.0 BUSINESS FROM THE COMMUNITY DEVELOPMENT DEPARTMENT

4.1 REPORT: IB RESORT; CONSIDERATION OF A DESIGN REVIEW CASE (DRC 150036) TO CONSTRUCT A NEW HOTEL (H-1 TYPE) CONSISTING OF 100 ROOMS, RESTAURANT, VIEW BAR, COMMERCIAL SPACE, MEETING ROOMS, AND PUBLIC SPACES AT 1060 SEACOAST DRIVE (APNs 625-380-27-00). MF 1166.

City Planner Foltz gave a PowerPoint presentation on the proposed H-1 Type Hotel. The applicant is proposing a 40' hotel and roof structures for the housing of the stairways and elevator, equipment screening and parapet walls would exceed the height limit.

Board Member Voronchihin inquired about the buildings sprinkler system, the adequacy of the water pressure at the location and the necessity of a fire pump.

Architect Gerald Gagnepain stated that the necessity of a fire pump will be determined upon a static pressure test.

City Planner Foltz stated that California American Water would make the determination on the adequacy of the water pressure at the site.

Board Member Voronchihin inquired as to whether the wood paneling proposed would be composed of wood plastic veneer or a composite panel.

Architect Gerald Gagnepain stated that the material is a composite panel with wood fiber in it.

Board Member Voronchihin requested a material board be presented for review.

Architect Gerald Gagnepain stated that providing a material board would be difficult and will take some time but it is something that they can do.

Board Member Smith inquired whether there are any deviations from the height requirements.

City Planner Foltz stated that the applicant is requesting a deviation from the commercial floor to ceiling height requirements which are proposed within the specific plan for the project.

Board Member Bowman inquired about the potential loss of parking spaces on the street with the relocation of a bus stop in front of the proposed hotel. She also inquired about the availability of public parking within the hotels garage and whether the hotel intends to charge a parking fee that will be enough as to not be attractive for day visitors to fully occupy garage parking and limit hotel visitors parking.

City Planner Foltz responded that they are relocating the bus stop in front of the building at the request of MTS and that no parking spots would be lost.

Assistant City Manager Dush stated that a fee for parking would be determined by the applicant.

Vice Chair Pamintuan inquired about the monitoring of the sewer system by the City.

Assistant City Manager Dush stated that the City would monitor the sewer system and that a system with an adequate capacity would have to be in place in order for the project to be constructed.

Board Member Smith inquired as to the size of the lot it compared to Pier South.

City Planner Foltz stated that Pier South is on a larger lot that is over one acre in size and the proposed project is on a lot a little less than an acre.

Architect Gerald Gagnepain clarified that the lot for the proposed hotel is .86 acres

Board Member Voronchihin inquired as to whether or not a parking study has been conducted.

City Planner Foltz stated that a parking study was completed that provides comparisons to the Pier South Resort. He stated that typically Pier South's parking is approximately 50% parking occupancy and invited the architect up to the podium for further clarification.

Architect Gerald Gagnepain stated that a parking study was conducted and the study results suggested that parking be increased if the hotel is going to accommodate retail space and a restaurant. He stated that more parking spaces were added than the zoning requires.

Kenneth Knudson with Henderson Hospitality stated that his company was one of two developers who made presentations for the property 3 years ago. The original applicant was presenting a

project that they intended on beginning within 6 months which was an unrealistic time frame. Since the original applicant could not meet an originally estimated 6 month time frame Henderson Hospitality received the property. He stated that they have added several design features and moved several items in order to meet the requests of the City and its residents. He also stated that a lot of time and energy has been invested in this project in order to get to this point.

Imperial Beach Resident Randy Putland stated that he has lived in Imperial Beach since 1971. He stated that when the project was initially presented, residents were told that the project would be a boutique hotel. He felt that Pier South did a great job with 78 guest rooms, public meeting rooms and a restaurant. However, this project is now proposing 100 rooms, 2 retail stores and a restaurant which he believes is too much for such a small space. He stated that municipal codes for heights, setbacks and step backs are put in place for development and that it is hard work putting these guidelines in place just to have deviations from those codes requested. He stated that the side setbacks from the front are 15' which allows for a beautiful view corridor and that the developer is requesting 5' setbacks which takes away that view corridor. He requested that the board keep an open mind and consider allowing no less than a 10' deviation from the code. He stated that the developer is also requesting deviation on the set back on the west side facing the ocean which will pull their building closer to the ocean and take away from an additional view corridor. Additionally, he stated that the developer is also requesting use of public property for their driveway and parking spaces so that they may be able to accommodate more rooms and that he does not believe public property should be given away for private development. He stated that a parking study needs to be completed and available for public viewing because the parking they are proposing is not adequate.

Imperial Beach Resident Sandy Brillhart stated that she is concerned with the proposed density. She also inquired as to whether or not the building is LEED certified and if the parking provided is also meant to accommodate employees. Additionally, she questioned whether a transportation demand management plan has been put in place by the developer so that their employees arrive to work by some other means than driving. She also stated that she is concerned about the setback deviations.

Imperial Beach Resident Tom Summers stated that the renderings presented are stunning. He stated that Imperial Beach benefits from this development; he has been here since the 1970's and is a proponent for the project. He stated that his biggest concerns are climate change and sea level rise. He mentioned that he has been involved in beach replenishment twice, and he would like to make sure that the seawall for the proposed project will be adequate. He inquired as to whether or not surveys been conducted for the sea wall and questioned if there will be a sea wall extension across the street on from the project similar to what was done for the Pier South Hotel and whether or not storm surges have been taken into consideration.

Imperial Beach Resident Michael Carey stated that back in the 1990's residents fought the effort to put high rises on the beach. He noted that there is a 30' height limit on the beach. He stated that at one point if you called a project a boutique hotel and combined two lots then you can have a 40' height limit instead of 30'. A study was conducted in order to define what a real hotel was and a limit on the square ft. was put in place for how large a hotel could be. He stated that a specific plan will allow for the extra 10' height limit if significant items are met and this hotel will meet that specific plan. He stated that he expected the developer to have all of the renderings available at this meeting and that it is difficult to make comments based off the PowerPoint presentation. He requested that a special community meeting with the Architect be held in which the renderings be made available for residents. He stated that the proposed hotel feels like an ice box if you were to stand outside the front of it.

Imperial Beach Resident Silvio Sztain stated that the proposal for the hotel is too high and the front is too close to the setback and does not create a feeling of openness. He stated that anytime there is an event at the beach people park everywhere and that he does not believe that there is enough parking to be able to accommodate hotel and restaurant guests, retail shoppers, as well as employees and beach goers. He stated that the density is too high.

Imperial Beach Resident Susan McLaughlin stated that she has lived at her residence in Imperial Beach for 7 years. She stated that she is all for the enhancement of the City with everything that has been happening in Imperial Beach. She also stated that she is concerned about bus stop being moved and that every morning at 5:30 a.m. she can hear the bus. She stated that having a bus stop in front of the hotel would be a visual blight and it would wake up hotel guests and that the bus stop should not be moved. She believes that setbacks should be left where they are because moving them would make the building too maximized. In regards to exterior trash, she stated that in current conditions when the beach is busy there are people using her trash and she hopes that there is some changes in the public trash maintenance once the hotel is built. She requested that sufficient exterior trash bins be made available and that they be properly maintained. Additionally, she stated that parking needs to be sufficient. She also stated that she is an advocate for money coming into the City but that certain items do need to be taken into consideration.

Imperial Beach Resident John Miller stated that parking is a big issue, especially during the summer. He stated that the parking spots being proposed in the parking garage are not large enough for bigger vehicles. He inquired about where a tour group visiting with a bus would be able to park.

Imperial Beach Resident Bob Miller stated that he does not believe it will look like a box but he understands how the design could give the feeling of a box. He stated that he is in attendance representing the Seacoasters and that they are in support of the new hotel. He stated that he likes that the proposed hotel allows more for more access to the public. He stated that tourism is the best economic engine for the City and he is very pleased that we have been given this opportunity and that he is hoping everything works out with any changes that need to be made to the site.

Imperial Beach Resident John Haupt spoke in support of the project. He stated that one concern he has is that at 1111 Seacoast the City is going to be doing something with the sidewalk that will take away two of the City's non-permanent parking spots; Parking is already very tight at that location. He also stated that there is no handicap parking on Seacoast Drive or on Imperial Beach Boulevard. He stated that when the hotel is built there may be parking on their premises but that does not necessarily benefit local residents.

Vice Chair Pamintuan closed public discussion at 5:04 p.m.

Board Member Smith questioned if there are any City codes about employee parking and the parking space allotment. He also questioned the imposition on hotel guests with the relocation of the bus stop.

City Planner Foltz stated that there is not a code in place acknowledging employee parking for hotels, only the required amount of parking spaces in total.

Architect Gerald Gagnepain stated that he does not believe the bus stop location will be an imposition to the guests.

Vice Chair Pamintuan stated that he is a proponent of having a public workshop where residents can review the proposed hotel.

Board Member Bowman also stated that she is a proponent for a public workshop with the materials being provided. She stated that the project proposed is pushing a lot a small space and maxing out of the variances.

Board Member Voronchihin requested the distribution of the public comments and having the developer acknowledge all the concerns.

Board Member Smith inquired about the prior meetings outcomes on the project.

Assistant City Manager Dush stated that at the past years meeting comments were provided and the architect would be able to detail how comments from the public were addressed.

Architect Gerald Gagnepain stated that part of the submittal packet provided over the past year showed step backs and setbacks around the building and also clearly delineates where the private space and public space is as well as the view corridors. He stated that they should not have torn the buildings down that were standing at the location to show how the encroachment of the previous buildings obstructed the views. He stated the demolition may have been detrimental to their project, however, there were critters living at the location that needed to be removed. Public access was provided in the street end and if people have issues with the view they are welcome to visit the site and look at the view and that they kept the seawall down as low as they possibly could. They did take all of the public comments from the previous meeting into account. The biggest concern raised related to warning of guests about contamination on the beach. Aside from that they tried to bring the building in as much as they could, compress as much as they could, bring it back from the street as much as they could in order to create a public plaza. He stated that they could pull the building closer to the street where there is a 0' setback on Seacoast Drive, and eliminate all of the public plaza on the front side which would open up the back of the building and they could eliminate their porte-cochere area which would still meet all the requirements of the code. He stated that there are tradeoffs, they can increase the width and go to a 15' setback on the sides and eliminate the restaurant altogether because if you look at the first floor plan there is nothing left to take out. The kitchen is already very condensed and the dining is mostly exterior. The central courtyard is also very tight. They tried to get in as many public amenities while utilizing the site as much as they could.

Board Member Smith stated that the design of hotel is good but the density creates an issue.

Architect Gerald Gagnepain recommends viewing the historical site plan and the density of the previous buildings on the site and comparing it to the current hotel proposal.

Vice Chair Pamintuan spoke in support of the wave design and the use of light and shadow. He stated that the design is very well thought out and made for density.

Architect Gerald Gagnepain requested that City Planner Foltz send the parking study to board members.

MOTION BY BOWMAN, SECOND BY SMITH, TO HAVE THE BOARD RECONVENE TO MEET ABOUT PROJECT AT ANOTHER TIME AND TO HAVE A MATERIALS BOARD AVAILABLE, THE MINUTES OF THIS MEETING AVAILABLE WITH ALL PUBLIC COMMENT, TO HAVE

THE APPLICANT AVAILABLE TO ANSWER ANY QUESTIONS, PROVIDE THE PARKING STUDY, A SEWER MAINTENANCE TIMELINE, AND HAVE AN UPDATED RENDERING SHOWING THE LOCATION OF THE PUBLIC SHOWER AND BENCHES.

MOTION CARRIED BY THE FOLLOWING VOTE:

AYES: PAMINTUAN, BOWMAN, SMITH, VORONCHIHIN

NOES: NONE

ABSENT: NAKAWATASE

ABSTAIN: NONE

5.0 INFORMATIONAL ITEMS/REPORTS

None.

6.0 ADJOURNMENT

Vice Chair Pamintuan adjourned the meeting at 5:52 p.m.

Approved:

Dante Pamintuan, DRB Vice Chairperson

Attest:

Larissa Richards, Recording Secretary



AGENDA ITEM NO. 4.1

**STAFF REPORT
CITY OF IMPERIAL BEACH**

TO: DESIGN REVIEW BOARD
FROM: COMMUNITY DEVELOPMENT DEPARTMENT *TF*
MEETING DATE: NOVEMBER 17, 2016
ORIGINATING DEPT.: COMMUNITY DEVELOPMENT DEPARTMENT
SUBJECT: REPORT: T-MOBILE (APPLICANT); CONSIDERATION OF DESIGN REVIEW CASE (DRC 160038) FOR THE EXPANSION OF A WIRELESS TELECOMMUNICATIONS FACILITY AT 600 PALM AVENUE (APN 625-140-21-00). MF 1208.

EXECUTIVE SUMMARY:

T-Mobile, a telecommunications provider, has initiated the process to expand an existing façade-mounted wireless telecommunications facility at 600 Palm Avenue. Staff is recommending that the Design Review Board consider the proposed project and provide recommendations on the design to the City Council.

FISCAL ANALYSIS:

The Applicant has deposited \$8,500.00 to fund processing of the application.

RECOMMENDATION:

That the Design Review Board consider the project to expand an existing wireless facility at 600 Palm Avenue (APNs 625-140-21-00) and recommend approval of the project's design to the City Council.

OPTIONS

In addition to receiving this report and adopting staff's recommendations, the Design Review Board can:

- Recommend approval of the project to the City Council with additional conditions provided by the Design Review Board; or
- Recommend design revisions and request further consideration at a future Design Review Board meeting.

BACKGROUND/ANALYSIS:

The application, originally submitted to the City on May 25, 2016, proposes a Regular Coastal Permit (CP 160036), Conditional Use Permit (CUP 160037), Design Review Case (DRC

160038), and Site Plan Review (SPR 160038) for the expansion of an existing wireless telecommunications facility at 600 Palm Avenue (APN 625-140-21-00), which is located in the C/MU-1 (General Commercial & Mixed-Use) Zone. The project is subject to design review by the Design Review Board because the project requires site plan review by the Planning Commission (City Council) pursuant to Imperial Beach Municipal Code (IBMC) Section 19.83.020.

The original approval for the wireless facility was provided in 1995 (application DRC 95-11) and included the construction of six antennas mounted in pairs in three locations, which were required to be painted to match the exterior stucco finish to reduce visual impacts. The proposed expansion would locate one new antenna in each of the three existing locations (three new antennas in total) and remote radio units (RRUs) that would locate on existing roof-mounted steel frames.

The design of the telecommunications facility was examined. The project does not propose to increase the height or expand any portion of the existing building or base station equipment. The new façade-mounted antennas with associated screening are the only potential visual impacts for the project.

Two options are available for the concealment of the antennas: 1) locating antennas within mounting skirts, similar to what is currently provided, although with better fitting mounts; or 2) enclosing the antennas within Fiberglass Reinforced Plastic (FRP) boxes. Both the skirts and FRP boxes would be textured and colored to match the building). Locating antennas within skirts provides concealment with a more compact appearance; however, the face of the antenna would be exposed. Locating antennas within FRP boxes fully encloses the antennas; however, the



boxes are more bulky in appearance. The design recommended in this staff report would provide skirts for the Alpha (north elevation) and Beta (east elevation) sectors and an FRP box for the Gamma sector (west elevation) (see Attachment 2 photosimulations and plans). Alternatively, a design with FRP boxes for all antennas at each sector should also be considered by the Design Review Board (see Attachment 3 alternate photosimulations and plans).

Imperial Beach Municipal Code (IBMC) Section 19.90.070.E states that the visual impact of wireless communications facilities must be minimized to the maximum extent feasible, taking into consideration technological requirements, through the use of placement, screening, camouflage and landscaping, so that the facility is compatible with adjacent uses, existing architectural elements, topography, neighborhood landscaping, building materials and other site characteristics. In addition, IBMC Section 19.90.070.G states that facade-mounted antennas must be integrated architecturally into the style and character of the structure to which they are attached; they must be painted and textured to match the existing structure, and they may not project more than eighteen inches from the face of the building or other support structure unless approved by a conditional use permit.

The proposed facility would provide three new antennas less than eighteen inches from the face of the building that would be concealed within mounting skirts or behind FRP boxes in areas with existing antennas that are already mounted within antenna skirts. The screening would be designed to match the texture and colors of the existing building. The location of the wireless facility site is constrained by the layout of the existing antennas and equipment. As such, there are limited opportunities for expansion beyond additional the antennas and equipment proposed by the project. Substantial modifications and alteration to the building may be requested for full concealment of the facility; however, such alterations may provide a greater visual impact than screening each antenna individually as shown in the plans presented in this report.

General Plan Consistency:

The proposed development is subject to IBMC Chapter 19.90, "Wireless Communications Facilities," Ordinance 2002-983 and Ordinance 2003-997. The purpose of the chapter is to establish standards for the siting, development and maintenance of wireless communications facilities and antenna throughout the city. The chapter is intended to protect and promote the public health, safety and welfare, as well as the aesthetic quality of the city as set forth in the goals, objectives and policies of the General Plan. In addition, the project is located in the C/MU-1 (General Commercial & Mixed-Use) Zone. The purpose of the C/MU-1 Zone is to provide areas for mixed-use development, multiple-family dwellings, and for businesses to meet the local demand for commercial goods and services. The proposed development meets the intent of the C/MU-1 Zone because it provides wireless communication services for the community and meets the Development and Design Standards for wireless facilities as outlined in IBMC Chapter 19.90.

| C/MU-1 STANDARDS | PROVIDED/PROPOSED |
|---|--|
| The installation of wireless communications facilities may not reduce the number of required parking spaces on a proposed site (Section 19.90.070). | The facility would not remove existing parking spaces. |
| Wireless communications facilities and accessory equipment must meet the required setbacks of the | The project would not encroach within any setbacks of the C/MU-1 Zone. |

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| <p>underlying zone, except that in a residential zone, the minimum setback for an antenna or equipment building from any property line is twenty feet (Section 19.90.070).</p> | |
| <p>Wireless communications facilities must meet the height requirement of the underlying zone, unless a greater height is approved through the conditional use permit (Section 19.90.70).</p> | <p>The facility would provide façade mounted antennas that would match the height of the existing building and existing antennas. The proposed facility would not increase the height of the existing building.</p> |
| <p>A service provider with a wireless communications facility in the city must obtain a city business license (Section 19.90.070).</p> | <p>Obtaining a business license would be a condition of approval for the project.</p> |
| <p>The visual impact of wireless communications facilities must be minimized to the maximum extent feasible, taking into consideration technological requirements, through the use of placement, screening, camouflage, and landscaping, so that the facility is compatible with adjacent uses, existing architectural elements, topography, neighborhood landscaping, building materials, and other site characteristics (Section 19.90.070).</p> | <p>The proposed facility would provide three antennas that would be concealed within skirts or behind FRP boxes in areas with existing antennas. The screening would be designed to match the texture and colors of the existing building.</p> |
| <p>The colors and materials of wireless communications facilities must blend into their backgrounds (Section 19.90.070).</p> | <p>The proposed facility would be concealed and the screened walls to match the existing building.</p> |
| <p>Facade-mounted antennae must be integrated architecturally into the style/character of the structure to which they are attached; they must be painted and textured to match the existing structure; and they may not project more than eighteen inches from the face of the building or other support structure unless approved by a conditional use permit (Section 19.90.070).</p> | <p>The proposed facility would provide three antennas that would be concealed within skirts or behind FRP boxes in areas with existing antennas. The screening would be designed to match the texture and colors of the existing building.</p> |
| <p>Roof-mounted antennae may not exceed the minimum height necessary to serve the operator's service area, while complying with the building height requirements of this title; they must be designed to minimize their visibility from surrounding areas; and they must be painted and textured to match the existing structure or building (Section 19.90.070).</p> | <p>No roof-mounted antennas are proposed.</p> |
| <p>Freestanding facilities, including towers, lattice towers, and monopoles, are discouraged unless no reasonable alternative is possible. If a freestanding facility is necessary, it may not exceed the minimum functional height and width required to support the proposed wireless facility (Section 19.90.070).</p> | <p>No freestanding facilities are proposed.</p> |

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| Proposed freestanding facilities must be stealth facilities; they must be painted and designed to blend in with the surrounding area; and they must be landscaped, if necessary, to minimize visual impacts (Section 19.90.070). | No freestanding facilities are proposed. |
| Wireless facility support structures, such as equipment buildings, cabinets, cables, air conditioning units, and fencing, must be painted and textured to match the surrounding physical area and screened with landscaping in order to minimize visual impacts (Section 19.90.070). | Equipment is located in an existing area screened by a chain link fence that would be replaced with a wood fence. No expansion of this area is proposed. |
| No advertising signs may be placed on any facility or equipment (Section 19.90.070). | No advertising signs are proposed. |
| Wireless communications facilities located between the first public roadway and the ocean, San Diego Bay, or the Tijuana Estuary must be visually undetectable from Seacoast Drive, Imperial Beach Boulevard, public paths, bikeways, beaches and public recreational facilities, and must not require the construction of shoreline protective devices. If there is no feasible alternative that can comply with this requirement without resulting in a significant gap in communication coverage, then the alternative that would result in the fewest or least significant impacts to public views, public access and recreation, and shoreline processes shall be selected (Section 19.90.070). | The proposed facility would not locate between the first public roadway and the ocean, San Diego Bay, or the Tijuana Estuary. |

Surrounding Land Use and Zoning:

| Surrounding Areas | Surrounding Zoning | Surrounding Land Use |
|-------------------|--------------------------------------|----------------------|
| North | C/MU-1 (General Comm. & Mixed-Use) | Residential |
| South | C/MU-1 (General Comm. & Mixed-Use) | Commercial |
| East | C/MU-1 (General Comm. & Mixed-Use) | Commercial |
| West | R-1-6000 (Single Family Residential) | Residential |

ENVIRONMENTAL IMPACT:

This project is categorically exempt pursuant to the California Environmental Quality Act (CEQA) Guidelines Section 15301 (Existing Facilities).

COASTAL JURISDICTION:

The site is located in the Coastal Zone and the City Council will evaluate coastal permit findings.

Attachments:

1. Design Review Checklist
2. Photosimulations & Plans
3. Alternate Photosimulations & Plans

c: file MF 1208

DESIGN REVIEW COMPLIANCE CHECKLIST

Citywide Design Criteria

MF 1208

Applicant T-Mobile

Project Address: 600 Palm Avenue

| | | | |
|---|----------|------------|------------|
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|---|----------|------------|------------|

| A. <u>RELATIONSHIP OF BUILDINGS TO SITE AND SURROUNDING AREA</u> | | | |
|---|---|--|---|
| 1. The site should be planned to accomplish a desirable transition with the streetscape, and to provide for adequate planting, pedestrian movement, and parking areas. | | | √ |
| 2. Site planning should provide landscaped setbacks in scale with buildings, an inviting streetscape, usable open space areas, and buffering between properties. | | | √ |
| 3. Parking areas should be treated with decorative elements, such as, building wall extensions, plantings, trellises, surface patterns, berms or other innovative means to largely screen parking areas from view from public ways. | | | √ |
| 4. Whenever the natural or existing topography contributes to the amenity and utility of a proposed project, it should be preserved in a manner, which enhances and accentuates the project. Modifications to the topography will be considered only when it can be determined that they will contribute to the amenity and utility of the project. | | | √ |
| 5. Architectural styles should be made compatible or integrated with adjacent buildings by such means as screens, site breaks, colors and materials. | √ | | |
| 6. Attractive landscape transition to surrounding properties should be provided. | | | √ |
| 7. Harmony in design elements, including texture, lines, and masses is required. Monotony shall be avoided. Contrasting design elements should be repeated where appropriate in a harmonious manner. For example, vertical elements contrast with general horizontal lines and should be used where appropriate to make a strong statement. | | | √ |
| 8. The height, bulk, mass and scale of each building should be compatible with its site and buildings expected to remain or be developed in the surrounding area. Monotony of architectural design is not encouraged. | √ | | |
| 9. A project proposed in an area deemed to be in a state of decline or blight infestation should be developed in a manner, which will establish and improve the aesthetic quality and character of the area. | | | √ |
| B. <u>BUILDING DESIGN, COLORS, AND MATERIALS</u> | | | |
| 1. Evaluation of appearance of a project shall be based on the quality of its design and relationship to existing or future surroundings. Inappropriate, incompatible designs shall be avoided. | √ | | |
| 2. Existing and proposed structures on the same project site should be architecturally and functionally integrated. | √ | | |
| 3. Innovative and imaginative design and architecture should be encouraged, and inappropriate and monotonous design should be avoided. | √ | | |
| 4. Variations of building details, form, line, colors and materials, and setting should be employed to create visual interest. | √ | | |

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| 5. Monotony of design in single or multiple building projects should be avoided. Variation of detail, form, and siting should be used to provide visual interest. In multiple building projects, variable siting of individual buildings may be used to prevent a monotonous appearance. Variation in wall plan, roof line and direction, materials and color may be used to prevent a monotonous appearance in buildings. Wall plan variation is recommended to reduce scale and bulk and may often be simple provided by building projections, bay windows, and balconies. Color and landscape materials may be used to accent the variation. | | | √ |
| 6. Window trim, pop-outs, dormers, bay windows, and other features are encouraged to provide exterior variation in wall plan and materials. | | | √ |
| 7. New building components, such as windows, doors, eaves, and parapets, shall have good proportions and relationship to one another and with wall masses. | √ | | |
| 8. The architectural theme employed on a particular building should normally be executed on all exterior surfaces. | √ | | |
| 9. In any design in which the structural frame is exposed to view, materials and finishes should be selected for architectural harmony or enhancements of the theme, as well as aesthetic quality, durability, and ease of maintenance. | | | √ |
| 10. Exterior colors which are harmonious and contribute to the aesthetic quality of the project should be selected. | √ | | |
| 11. Colors shall be harmonious yet color contrast or contrasting tone is encouraged to emphasize architectural detail (see examples in Planning Department). Fluorescent paints and garish colors should be avoided. | | | √ |
| 12. Materials and colors should be varied where appropriate to provide architectural interest. However, material and color combinations should be repeated where necessary to provide contrast and harmony (visual order) to the building. The number of materials should not exceed what is required for contrast and accent or architectural features and may generally be limited to three. | √ | | |
| 13. Building materials should not stop abruptly at corners but continue from front to side elevations. | | | √ |
| 14. Parapet walls/mansard roofs should not stop at short distances on side elevations, but should continue to visually unify all building elevations, as appropriate. | | | √ |
| 15. Blank walls should be avoided by the use of windows, variation of surface plan and materials, and use of shrubbery or trees as landscape screening. | | | √ |
| 16. Mechanical equipment, including solar collectors and panels, or other utility hardware on roof, ground, or buildings should be screened from public view with materials harmonious with the building, or they should be located so as not to be visible from any public ways. | | √ | |
| 17. Metal fixtures, trims, and devices, exposed to the ocean environment are subject to abnormally high corrosion and are discouraged. | | | √ |

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| 18. Continued good appearance depends upon the extent and quality of maintenance. The choice of materials and their use, together with the types of finishes and other protective measures, should be conducive to easy maintenance and upkeep. | √ | | |
| 19. Materials and finishes should be selected for their durability and wear as well as for their beauty. Property measures and devices should be incorporated for protection against the elements, neglect, damage and abuse. | √ | | |
| C. LANDSCAPE IMPROVEMENTS AND EXTERIOR LIGHTING Landscape elements included in this criteria consist of all forms of planting and vegetation, ground forms, rock groupings, water patterns, and all visible construction except buildings and utilitarian structures. | | | |
| 1. An inviting atmosphere should be created in pedestrian oriented areas through the use of landscaping, walls, fencing, seating, plazas, statues, fountains, and other design features. | | | √ |
| 2. Grades of walks, parking spaces, terraces, and other paved area should provide an inviting and stable appearance for walking and, if seating is provided, for sitting. | | | √ |
| 3. Landscape treatment should be provided to enhance architectural features, strengthen vistas and important axis, and provide shade, privacy and buffering, soften large surfaces and paved areas, and accent points of interest. Where practical, existing trees and drought tolerant plants should be preserved and included in the planning and design of the site. | | | √ |
| 4. Unity of design should be achieved by repetition of certain plant varieties and other materials, and by correlation with adjacent developments, where appropriate. | | | √ |
| 5. Plant material should be selected for interest in its structure, texture, and color and for its ultimate growth. | | | √ |
| 6. In locations where plants will be susceptible to injury by pedestrian or motor traffic, or other environmental hazards, they should be protected by appropriate curbs, tree guards, or other devices. | | | √ |
| 7. Service and storage yards, trash collection areas, exterior work areas, and other places which tend to be unsightly, should be screened by use of walls, fencing, planting, or by combinations of these. | | | √ |
| 8. In areas where general planting does not prosper, other materials such as fences, walls, trellises and pavings of wood, brick, stone, gravel, and cobbles, should be used. Carefully selected plants should be combined with such materials where possible. Materials should be harmonious with building materials. | | | √ |
| 9. All plant materials should be selected, arranged, and installed in accordance with sound horticultural and landscape architectural practices per landscape and irrigation plans. | | | √ |
| 10. Color and texture of landscape elements should be coordinated with color and texture of building materials. Coarse textures and darker or brighter colors may be used where appropriate to reduce perceived distance and size. Fine | | | √ |

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| textures and light or greyed colors may be used for the opposite effect where appropriate. | | | |
| 11. Miscellaneous structures (i.e., structures other than buildings: sign posts, railings, etc.) and street furniture located on private property should be designed to be integrated with, or harmonious with, the architectural building and landscape design proposed for the site. Materials should be durable and compatible with buildings and surroundings in color and scale. | | | √ |
| 12. Exterior lighting should be designed to enhance the architecture of the building and landscape and shall be restrained in color and brightness. Light standards and fixtures shall be architecturally compatible and scaled to the buildings with consideration for energy efficiency. | | | √ |
| D. SIGN CRITERIA (The same criteria applicable to wall signs shall apply to monument signs.) Project, as conditioned | | | |
| 1. Signs should be designed as supportive elements to land use. They should be used primarily to identify businesses, professional offices and public and quasi-public facilities. | | | √ |
| 2. Signs should be compatible with the nature, scale, character, and design of the locale and land uses they serve. | | | √ |
| 3. Signs should be part of the architectural concept. Size, color, lettering, locations, and arrangement shall be harmonious with the building design, and shall be compatible with approved signs on adjoining buildings. Signs shall have good proportion. | | | √ |
| 4. Colors should be used harmoniously and with restraint. Lighting should be harmonious with the design. If external spot or floodlighting is used, it shall be arranged so that light source is shielded from view. | | | √ |
| 5. Identification and directory signs should manifest a high degree of artistic order and taste, as well as legibility. | | | √ |
| 6. Signs should be characterized by restraint. Where practical and practicable, artistic graphics and fine art displays should be used in lieu of "commercial" signs. | | | √ |
| 7. Signs should place considerable emphasis upon color, harmony, size, shapes, letters, materials and character. | | | √ |
| E. CIRCULATION AND PARKING | | | |
| 1. It is recommended that parking areas be screened from view by the use of landscaping, walls, buildings, or other innovative and decorative concepts. | | | √ |
| 2. Parking areas and trafficways should be enhanced with landscaped spaces containing trees or tree groupings which shall be adequately irrigated and maintained. Shrubs should be used only where they will not obscure vision. | | | √ |
| 3. The placement of trees in parkways or paved areas is encouraged. | | | √ |

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| | | | |
|--|--|--|---|
| 4. Vine covered trellises should be provided where appropriate to provide shading and buffering of open parking areas, particularly where tree planting is not provided. | | | √ |
| 5. Parking bays located between the building and the street should be separated from buildings by landscaped areas or protected walkways. | | | √ |
| 6. The mass of large parking areas should be improved through the employment of landscaping, textural variation, or structural interruption (i.e., walls and trellises). Variation of paving material, texture and color is recommended where pedestrian and vehicular areas overlap. The use of stamped concrete, stone, brick or granite pavers, exposed aggregate, colored concrete or other methods to divide or improve the effect of large expanses of pavement is encouraged. | | | √ |
| 7. Onsite circulation shall be designed to promote adequate security, police and fire protection; and, to facilitate postal delivery, moving, trash collection and trades services. | | | √ |
| 8. The layout of offstreet parking areas and onsite circulation systems should place emphasis on: A) Convenience and proximity to the units served. | | | √ |
| B) Safety. | | | √ |
| C) Screening and separation of buffering from common uses areas, residential units and recreation areas. | | | √ |
| 9. Directional signs and graphics should be used to promote public safety and convenience. | | | √ |
| 10. Loading, unloading, and delivery service operations should be preplanned. Parking layouts should clearly indicate that these operations would not adversely affect customer parking or access. | | | √ |
| 11. The plans of major commercial centers shall be responsive to the physical requirements of public transportation and should provide the requisite pedestrian ways, bus stops, benches, and shelter. | | | √ |
| 12. Secure bicycle parking facilities are encouraged. | | | √ |
| 13. Public or commercial parking areas should be designed for convenience and, where feasible, should be directly accessible from two streets, or a street and an alley. | | | √ |
| 14. Pedestrian ways within commercial parking areas should be protected from vehicular movements by landscaped areas, curbs, or posts. | | | √ |
| 15. In multiple family developments, it shall be considered undesirable to located off street parking areas between the buildings and the street. In cases where this design solution is utilized by the Architectural Design Review Advisory Committee, the parking areas should be screened from view. Parking shall be considered between buildings and streets where it does not detract from otherwise exceptional design and neighborhood amenities. | | | √ |
| 16. It is recommended that all parking or maneuvering areas which are perpendicular to building walls be separated by landscaped areas. | | | √ |

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| F. MULTIPLE-FAMILY RESIDENTIAL ENVIRONMENT | | | |
|--|--|--|---|
| 1. Multiple family dwelling developers should place cardinal emphasis on the protection of residential privacy. Privacy requires sensitive structural and landscaping design, and effective sound-proofing. It is also dependent upon the selection of proper building, screening, and landscaping materials. | | | √ |
| 2. The site development and design of multi-family development should be coordinated with that of existing or potential adjoining and adjacent development. The project design should be consistent with the standards of good site planning and spatial relationships. | | | √ |
| 3. The landscape of a multi-family dwelling should be oriented towards the establishment and maintenance of a high order of on and off site environmental and aesthetic quality. | | | √ |
| 4. The design of all multiple units should promote good circulation, adequate exterior lighting and noise protection. The said design should minimize hazards, and optimize energy conservation. Solar orientation should be considered to reduce heating requirements. | | | √ |
| 5. Each building site upon which a multi-family project is developed shall provide landscaping and usable open space. The space developed to landscaping may be improved with textured flooring, fountains, ponds, kiosks, and sculpture, as well as plant material. | | | √ |
| 6. Where practicable, large multi-family developments should provide a variety of building sizes and arrangements. | | | √ |
| 7. Multiple-family dwelling development shall provide their residents private and/or common open space. Private open space may take the form of patios, balconies, courtyards (atria), or gardens. The establishment of game rooms, children's play areas, meeting rooms, and roof gardens should be encouraged where appropriate. | | | √ |
| 8. Usable open space required by the zoning ordinance should be distributed throughout the project site. | | | √ |
| 9. Noise effects on and from all common and private open space should be buffered by fences, walls, and/or barriers, which block the line-of-site of the noise source. | | | √ |
| 10. Indoor-outdoor integration can be promoted in projects by the use of large windows and sliding glass doors in conjunction with patios, balconies, and courtyards. The said windows and doors, however, should be effectively shuttered or draped in order to prevent substantial night-time energy losses. | | | √ |
| 11. Common open space should be provided in large areas if feasible. Large areas of open space can be imaginatively landscaped, well utilized, and economically maintained. | | | √ |

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| G. COMMERCIAL AND INDUSTRIAL DEVELOPMENT | | | |
|---|--|--|---|
| 1. The land use patterns, circulation, forms and spatial relationships of shopping centers and industrial uses should be harmonious with the areas they serve or are linked with by major circulation routes. The nature, character, and design of the areas should determine the architectural theme, landscape, building arrangement, and signing of the mercantile centers. | | | √ |
| 2. Shopping centers should be unobtrusive, low in profile and building intensity, and probably casual or informal in theme. Massive buildings, garish color schemes, and extensive signing are out of place. | | | √ |
| 3. Vehicular and pedestrian traffic should be separated to create a "village atmosphere". A mall, arcade, or patio form tends to promote effective landscaping, customer convenience, and a pleasant environment for shopping. | | | √ |
| 4. Where feasible, customer traffic should not be mixed with truck-service traffic. Furthermore, customer parking should be both convenient and ample. Employee parking, which is often long-term parking, should be designated in order to make customer parking, which is usually short-term in nature, more convenient. | | | √ |
| 5. Neighborhood and subneighborhood (or convenience) shopping facilities have captive markets, and therefore do not require extensive signing or external outdoor advertising. The appurtenant signs employed in these centers should be solely oriented towards "shop identification". Artistic graphics, wood-carved signs, gold lead window signs, and symbolic hanging signs are especially appropriate on the neighborhood and subneighborhood scenes. | | | √ |
| 6. While pole signs were popular in the 1950's and 1960's, they are a principle source of visual pollution and are not appropriate. On the other hand, low profile monument signs tend to be consistent with the tenets of good urban design, and can provide adequate shopping center identification. | | | √ |
| 7. It is recommended that a minimum of 15% of the gross area of a commercial industrial center should be devoted to landscaping. The required landscaping may take the form of decorative flooring, masonry walls, fountains, sculpture, or clusters of mall furniture, as well as plant material. | | | √ |
| 8. The extensive use of trees within and along the periphery of commercial and industrial centers is urged. Trees provide beauty and improve environmental quality. They also soften the impact of commercial activity upon shoppers and local residents. | | | √ |
| 9. Since commercial and industrial uses are situated in close proximity to residential areas buffers are essential. Where abutting directly upon residential lands, an appropriate landscaped buffer should be established on the commercial/industrial property. Architectural walls or decorative fences should be used to protect local residents from the noise and visual impact of commercial parking lots. | | | √ |

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| 10. The landscape of commercial projects should not be confined to plant material. Textured flooring, masonry, fountains, water features, exterior works of fine art, and exterior furniture should be used to promote a project's visual interest, variety and amenity. | | | √ |
| 11. Where feasible, trees with unique structural characteristics should be planted. These trees should improve the aesthetic quality of commercial areas and compliment adjacent urban forms. | | | √ |
| 12. The use of fountains, water sculpture, and other recycling water features provide a cooling effect with respect to the urban environment, and visual relief from the impact of hard surfaces. The use of these features should be encouraged. | | | √ |
| 13. Planters and tree wells should be designed to protect the plants they accommodate and to promote the aesthetic quality of their surroundings. | | | √ |
| 14. Mall furniture should be carefully coordinated with the landscaping and works of fine art which share its setting. This coordination requires that each mall, enclosure, plaza, or open space be planned as a single design composition, and not on an element-by-element basis. | | | √ |

VICINITY MAP PHOTOSIMULATION VIEWPOINTS



DISCLAIMER:
THIS PHOTOSIMULATION IS INTENDED AS A GRAPHICAL REPRESENTATION OF EXISTING AND PROPOSED SITE CONDITIONS BASED ON THE PROJECT / DRAWING PLANS. IT IS NOT INTENDED FOR CONSTRUCTION. ACTUAL, FINAL CONSTRUCTION MAY VARY

PHOTOSIMULATION VIEW 1

EXISTING

NOTE:
EXISTING EQUIPMENT MOUNTED ON EXISTING BUILDING ROOFTOP (NOT VISIBLE IN CURRENT VIEW)

- EXISTING T-MOBILE TMAS TO REMAIN (3) TOTAL
- EXISTING T-MOBILE RRUS TO REMAIN (9) TOTAL

EXISTING T-MOBILE PANEL ANTENNAS TO REMAIN (5) TOTAL, (2) PER ALPHA & GAMMA SECTOR AND (1) PER BETA SECTOR

EXISTING T-MOBILE ANTENNA SKIRTS TO BE REMOVED, TYP. ALL SECTORS

ALPHA SECTOR



NEW

NOTE:
PROPOSED & EXISTING EQUIPMENT ON EXISTING BUILDING ROOFTOP (NOT VISIBLE IN CURRENT VIEW)

- PROPOSED T-MOBILE RRUS, (3) TOTAL, (1) PER SECTOR TYP. ALL SECTORS
- PROPOSED FRP BOXES TO BE TEXTURED AND PAINTED TO MATCH EXISTING BUILDING PER GAMMA SECTOR
- PROPOSED SIDE SKIRTS AND MOLDED CHIN STRAPS TO BE TEXTURED AND PAINTED TO MATCH EXISTING BUILDING PER ALPHA AND BETA SECTORS

EXISTING T-MOBILE PANEL ANTENNAS WITHIN PROPOSED SIDE SKIRTS AND MOLDED CHIN STRAPS (4) TOTAL, (2) PER ALPHA AND BETA SECTORS

PROPOSED T-MOBILE PANEL ANTENNAS W/ PROPOSED SIDE SKIRTS AND MOLDED CHIN STRAPS, (2) TOTAL, (1) PER ALPHA AND BETA SECTORS

ALPHA SECTOR



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PHOTOSIMULATION VIEW 2

EXISTING

NOTE:
 EXISTING EQUIPMENT MOUNTED ON EXISTING BUILDING ROOFTOP (NOT VISIBLE IN CURRENT VIEW)

- EXISTING T-MOBILE TMAS TO REMAIN (3) TOTAL
- EXISTING T-MOBILE RRUS TO REMAIN (9) TOTAL

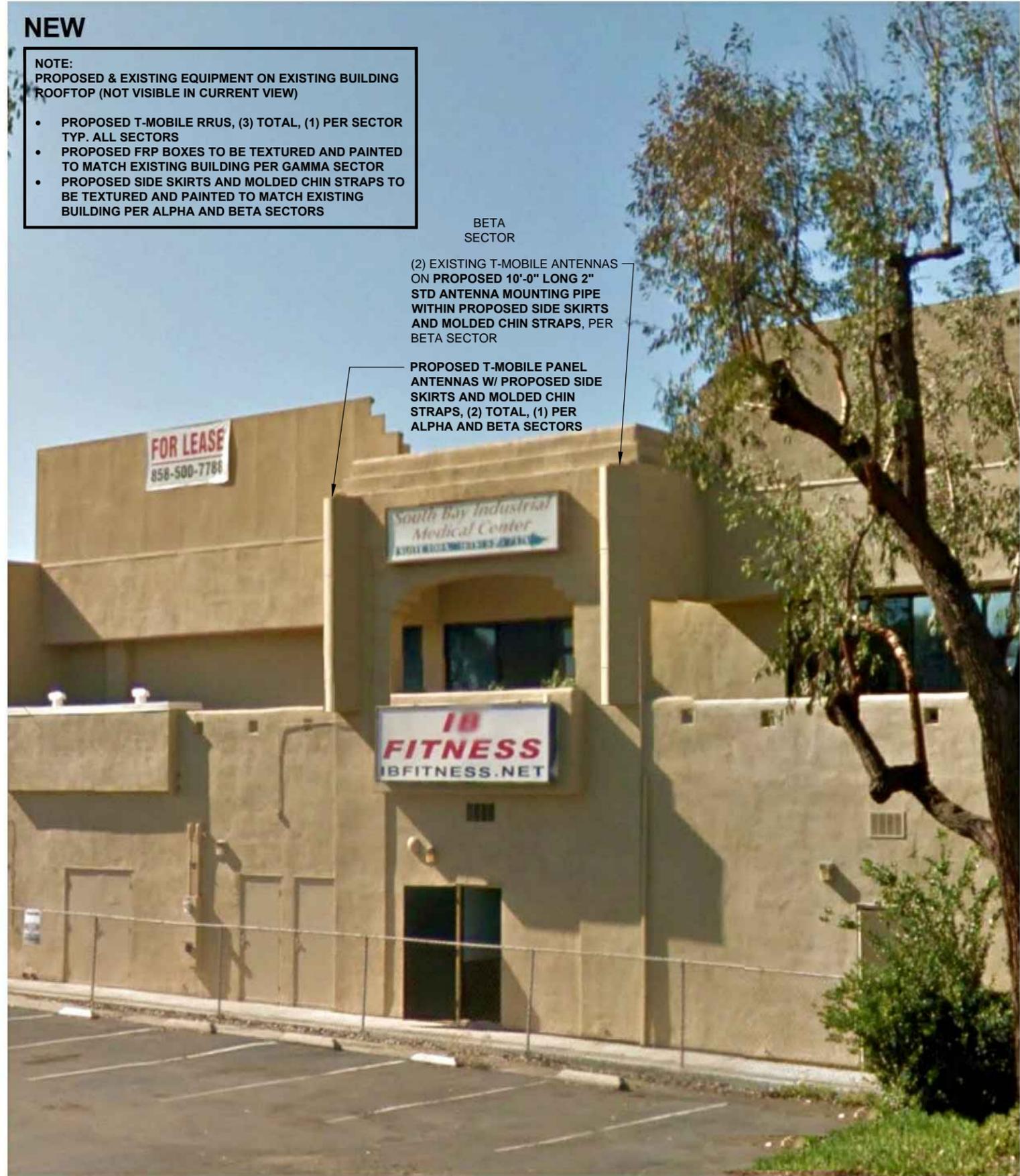


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NEW

NOTE:
 PROPOSED & EXISTING EQUIPMENT ON EXISTING BUILDING ROOFTOP (NOT VISIBLE IN CURRENT VIEW)

- PROPOSED T-MOBILE RRUS, (3) TOTAL, (1) PER SECTOR TYP. ALL SECTORS
- PROPOSED FRP BOXES TO BE TEXTURED AND PAINTED TO MATCH EXISTING BUILDING PER GAMMA SECTOR
- PROPOSED SIDE SKIRTS AND MOLDED CHIN STRAPS TO BE TEXTURED AND PAINTED TO MATCH EXISTING BUILDING PER ALPHA AND BETA SECTORS



PHOTOSIMULATION VIEW 3

EXISTING

NOTE:
 EXISTING EQUIPMENT MOUNTED ON EXISTING BUILDING ROOFTOP (NOT VISIBLE IN CURRENT VIEW)

- EXISTING T-MOBILE TMAS TO REMAIN (3) TOTAL
- EXISTING T-MOBILE RRUS TO REMAIN (9) TOTAL

EXISTING T-MOBILE PANEL ANTENNAS TO REMAIN (5) TOTAL, (2) PER ALPHA & GAMMA SECTOR AND (1) PER BETA SECTOR

EXISTING T-MOBILE ANTENNA SKIRTS TO BE REMOVED, TYP. ALL SECTORS

GAMMA SECTOR

FOR LEASE
 858-500-7788

DISCLAIMER:

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NEW

NOTE:
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- PROPOSED T-MOBILE RRUS, (3) TOTAL, (1) PER SECTOR TYP. ALL SECTORS
- PROPOSED FRP BOXES TO BE TEXTURED AND PAINTED TO MATCH EXISTING BUILDING PER GAMMA SECTOR
- PROPOSED SIDE SKIRTS AND MOLDED CHIN STRAPS TO BE TEXTURED AND PAINTED TO MATCH EXISTING BUILDING PER ALPHA AND BETA SECTORS

PROPOSED T-MOBILE PANEL ANTENNAS WITHIN PROPOSED FRP BOXES, (1) TOTAL, PER GAMMA SECTOR

EXISTING T-MOBILE PANEL ANTENNAS WITHIN PROPOSED FRP BOXES (2) TOTAL PER GAMMA SECTOR

GAMMA SECTOR



T-Mobile

SITE NUMBER: SD06052A
SITE NAME: SD052
ADDRESS: 600 PALM AVE
 IMPERIAL BEACH, CA 91932
COUNTY: SAN DIEGO
PROJECT: L700



| PROJECT INFORMATION | |
|---------------------------|---|
| SITE NAME: | SD052 |
| SITE NUMBER: | SD06052A |
| SITE ADDRESS: | 600 PALM AVE IMPERIAL BEACH, CA 91932 |
| JURISDICTION: | CITY OF IMPERIAL BEACH |
| COUNTY: | SAN DIEGO |
| LATITUDE: | 32.58516572 |
| LONGITUDE: | -117.12016800 |
| CONSTRUCTION TYPE: | WOOD FRAMES/STUCCO |
| A.P.N.: | 625-140-21-00 |
| ZONING CLASSIFICATION: | C / MU-1 |
| PROPOSED USE: | UNMANNED TELECOMMUNICATION FACILITY |
| PROPERTY OWNER: | KRAMER ENTERPRISES 600 PALM AVE. SAN DIEGO, CA |
| LANDLORD CONTACT: | SANDY KRAMER (619) 423-9022 |
| T-MOBILE PROJECT MANAGER: | JOSEPH ROSE (858) 334-6112 JOSEPH.ROSE41@T-MOBILE.COM |
| APPLICANT: | SAC WIRELESS ON BEHALF OF T-MOBILE DAIL RICHARD (858)200-6541 dail.richard@sacw.com |



| DRAWING INDEX | |
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| REVISIONS | | | |
|-----------|----------|-------------|----------|
| REV. | DATE | DESCRIPTION | INITIALS |
| 0 | 03/18/16 | 90% CD's | CA |
| 1 | 03/24/16 | 100% CD's | DN |
| 2 | 07/19/16 | JX COMMENTS | CA |
| 3 | 09/08/16 | JX COMMENTS | CA |
| 4 | 10/11/16 | JX COMMENTS | CA |

NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET

| SCOPE OF WORK | |
|--|---|
| T-MOBILE PROPOSES TO: | |
| <ul style="list-style-type: none"> INSTALL (1) NEW 8' L700 ANTENNA INSTALL (2) NEW 4' L700 ANTENNAS INSTALL (2) NEW MOUNTS RELOCATE (1) ANTENNA WITH NEW 10' PIPE INSTALL (3) NEW RADIOS (RRUS_B12) INSTALL (3) NEW RET CABLES | <ul style="list-style-type: none"> INSTALL (3) NEW FRP BOXES INSTALL (3) ANTENNA SKIRTS AND MOLDED CHIN STRAPS REPLACE (1) EXISTING DUL W/ (1) NEW DUS |

LEGAL DESCRIPTION

REFER TO T-4

GENERAL NOTES

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 REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS & FIELD CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ARCHITECT OR ENGINEER OF RECORD IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

SPECIAL NOTES

- ALL WORK SHALL BE INSTALLED IN CONFORMANCE WITH CURRENT T-MOBILE CONSTRUCTION INSTALLATION GUIDE.
- EXISTING CONDITIONS WILL BE VERIFIED IN FIELD. IF SIGNIFICANT DEVIATIONS OR DETERIORATION ARE ENCOUNTERED AT THE TIME OF CONSTRUCTION, A REPAIR PERMIT WILL BE OBTAINED & CONTRACTOR SHALL NOTIFY ARCHITECT OR ENGINEER OF RECORD IMMEDIATELY.
- CONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ARCHITECT OR ENGINEER OF RECORD IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.
- THESE DRAWINGS ARE FULL SIZE & SCALEABLE ON 22"x34" SHEET SIZE & ARE NOT REDUCED IN SIZE.
- STATEMENT THAT COMPLIANCE WITH THE ENERGY CODE IS NOT REQUIRED. -SCOPE OF WORK DOES NOT INVOLVE MODIFICATIONS TO EXTERIOR ENVELOPE OF BUILDING, HVAC SYSTEMS OR ELECTRICAL LIGHTING.

CODE COMPLIANCE

- 2013 CALIFORNIA ENERGY CODE
- 2013 CALIFORNIA BUILDING CODE
- 2013 CALIFORNIA ELECTRICAL CODE
- 2013 CALIFORNIA FIRE CODE
- 2013 CALIFORNIA MECHANICAL CODE
- 2013 CALIFORNIA PLUMBING CODE

APPROVALS

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.

T-MOBILE PROJECT MANAGER: _____ DATE: _____

T-MOBILE CONSTRUCTION MANAGER: _____ DATE: _____

T-MOBILE RF ENGINEER: _____ DATE: _____

SITE ACQUISITION: _____ DATE: _____

PROPERTY OWNER: _____ DATE: _____

ZONING: _____ DATE: _____

| PROJECT TEAM | |
|--|--|
| ARCHITECT: SAC WIRELESS NESTOR POPOWYCH, A.I.A. 5015 SHOREHAM PLACE, STE 150 SAN DIEGO, CA 92122 CONTACT: DENNIS YOSHII PHONE: (619) 736-3766 X105 EMAIL: dennis.yoshii@sacw.com | ZONING: SAC WIRELESS CHRISTOPHER FORD 5015 SHOREHAM PLACE, STE 150 SAN DIEGO, CA 92122 PHONE: (619) 454-5234 EMAIL: christopher.ford@sacw.com |
| ENGINEER: SAC WIRELESS TAHZAY RAMIREZ, P.E. 5015 SHOREHAM PLACE, STE 150 SAN DIEGO, CA 92122 PHONE: (619) 736-3766 X114 EMAIL: tahzay.ramirez@sacw.com | RF ENGINEER: T-MOBILE USA MUSTAFA AJMAL 10509 VISTA SORRENTO PKWY STE 206 SAN DIEGO, CA 92121 PHONE: - EMAIL: - |
| PLANNING CONSULTANT: SAC WIRELESS DAIL RICHARD 5015 SHOREHAM PLACE, STE 150 SAN DIEGO, CA 92122 PHONE: (858) 200-6541 EMAIL: dail.richard@sacw.com | CONSTRUCTION MANAGER: T-MOBILE USA KIRT BABCOCK 10509 VISTA SORRENTO PKWY STE 206 SAN DIEGO, CA 92121 PHONE: (858) 334-6139 EMAIL: kirt.babcock@T-Mobile.com |

DRIVING DIRECTIONS

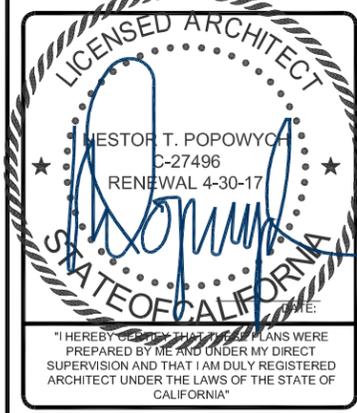
DIRECTIONS FROM: 10509 VISTA SORRENTO PKWY, SAN DIEGO CA 92121

- DEPART VISTA SORRENTO PKWY TOWARD DIRECTORS PL
- TURN RIGHT ONTO MIRA MESA BLVD
- TAKE RAMP RIGHT AND FOLLOW SIGNS FOR I-805 SOUTH
- AT EXIT 14, TAKE RAMP RIGHT FOR CA-15 SOUTH TOWARD M L KING JR FWY
- BEAR RIGHT ONTO I-5 S
- AT EXIT 5A, TAKE RAMP RIGHT AND FOLLOW SIGNS FOR CA-75
- TURN RIGHT ONTO CA-75 N / PALM AVE
- BEAR LEFT ONTO PALM AVE

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



SD052
 SD06052A
 600 PALM AVE
 IMPERIAL BEACH, CA 91932

SHEET TITLE

TITLE SHEET

SHEET NUMBER

T-1

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO CARRIER SERVICES IS STRICTLY PROHIBITED.

GENERAL NOTES:

- THIS FACILITY IS EXEMPT FROM HANDICAP REQUIREMENTS PER CBC SECTION 1105B.3.4 EXCEPTION #1. THIS FACILITY IS NON-OCCUPIABLE SPACE AND ENTERED ONLY BY SERVICE PERSONNEL.
- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE LOCAL BUILDING CODE, THE LATEST EDITION AND ALL OTHER APPLICABLE CODES AND ORDINANCES.
- CONTRACTOR SHALL CONSTRUCT SITE IN ACCORDANCE WITH THESE DRAWINGS AND CONSTRUCTION SPECIFICATIONS 80-T1196-1 REV H. THE SPECIFICATION IS THE RULING DOCUMENT AND ANY DISCREPANCIES BETWEEN THE SPECIFICATION AND THESE DRAWINGS SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER OF RECORD PRIOR TO PROCEEDING WITH CONSTRUCTION.
- CONTRACTOR SHALL VISIT THE JOB SITE AND SHALL FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL MAKE PREVISIONS AS TO THE COST THEREOF. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS AND CONFORMING THAT THE WORK MAY BE ACCOMPLISH AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER OF RECORD PRIOR TO THE COMMENCEMENT OF WORK. NO COMPENSATION WILL BE AWARDED BASED ON CLAIM OF LACK OF KNOWLEDGE OF FIELD CONDITIONS.
- PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT AND APPURTENANCES, AND LABOR NECESSARY TO EFFECT ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS. OWNER PROVIDED MATERIALS WILL INCLUDE THE FOLLOWING, UNLESS NOTED OTHERWISE:
 - TRANSMITTER
 - RF FILTER
 - MFTS RACKS
 - AUXILIARY EQUIPMENT IN MFTS RACK
 - PUMP ASSEMBLY
 - HEAT EXCHANGE
 - HOSE AND HOSE MANIFOLD (ANY COPPER OR STEEL SECTION PROVIDED BY CONTRACTOR)
 - UHF ANTENNA AND MOUNTING BRACKET, GPS ANTENNA AND KU ANTENNAS
 - UHF COAX AND HANGERS
 - 480-208 & 208-400 ELECTRICAL TRANSFORMER (RE: E-2 FOR SPECIALIZED TRANSFORMER PROVIDED BY CONTRACTOR)
 - AUTOMATIC TRANSFER SWITCH AND GENERATOR
 - EQUIPMENT SHELTER (SHELTER FURNISH IN FACTORY W/HVAC EQUIPMENT AND ELECTRICAL DISTRIBUTION PANEL)
 - INTEGRATED LOAD CENTER
 - ANTENNAS, RADIOS & CABLES
- DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS, SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, EXISTING CONDITIONS AND/OR DESIGN INTENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE WORK.
- DETAILS ARE INTENDED TO SHOW DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
- CONTRACTOR SHALL RECEIVE CLARIFICATION IN WRITING, AND SHALL RECEIVE IN WRITING AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEMS NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENT.
- CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING THE BEST CONSTRUCTION SKILLS AND ATTENTION. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER CONTRACT, UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE WORK AREA, ADJACENT AREAS AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFORM TO ALL OSHA REQUIREMENTS.
- CONTRACTOR SHALL COORDINATE HIS WORK WITH THE SUPERINTENDENT OF THE BUILDING & GROUNDS & SCHEDULE HIS ACTIVITIES AND WORKING HOURS IN ACCORDANCE WITH THE REQUIREMENTS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH THE WORK OF OTHERS AS IT MAY RELATE TO RADIO EQUIPMENT, ANTENNAS AND ANY OTHER PORTIONS OF THE WORK.
- INSTALL ALL EQUIPMENT AND MATERIAL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY OTHERWISE INDICATED OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
- MAKE NECESSARY PROVISIONS TO PROTECT EXISTING SURFACE, EQUIPMENT, IMPROVEMENTS, PIPING, ETC. AND IMMEDIATELY REPAIR ANY DAMAGE THAT OCCURS DURING CONSTRUCTION.
- IN DRILLING HOLES INTO CONCRETE WHETHER FOR FASTENING OR ANCHORING PURPOSES, OR PENETRATIONS THROUGH THE FLOOR FOR CONDUIT RUNS, PIPE RUNS, ETC., IT MUST BE CLEARLY UNDERSTOOD THAT REINFORCING STEEL SHALL NOT BE DRILLED INTO, CUT OR DAMAGED UNDER ANY CIRCUMSTANCES (UNLESS NOTED OTHERWISE). LOCATIONS OF REINFORCING STEEL ARE NOT DEFINITELY KNOWN AND THEREFORE MUST BE SEARCHED FOR BY APPROPRIATE METHODS AND EQUIPMENT.
- REPAIR ALL EXISTING WALL SURFACE DAMAGED DURING CONSTRUCTION SUCH THAT THEY MATCH AND BLEND IN WITH ADJACENT SURFACE.
- SEAL PENETRATION THROUGH FIRE RATED AREAS WITH U.L. LISTED AND FIRE CODE APPROVED MATERIALS.
- KEEP CONTRACT AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, AND RUBBISH. EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY OF THE OWNER SHALL BE REMOVED. LEAVE PREMISES IN CLEAN CONDITIONS AND FREE FROM PAINT SPOT, DUST, OR SMUDGES OF ANY NATURE. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ITEMS UNTIL COMPLETION OF CONSTRUCTION.
- MINIMUM BEND RADIUS OF ANTENNA CABLE SHALL BE IN ACCORDANCE WITH CABLE MANUFACTURER'S RECOMMENDATIONS.
- DAMAGE TO EXISTING STRUCTURES AND/OR UTILITIES RESULTING FROM CONTRACTORS NEGLIGENCE SHALL BE REPAIRED AND/OR REPLACED TO THE OWNERS SATISFACTION AT NO ADDITIONAL COST TO THE CONTRACT.
- ALL CONSTRUCTION IS TO ADHERE TO T-MOBILE'S INTEGRATED CONSTRUCTION STANDARDS UNLESS CALIFORNIA CODE IS MORE STRINGENT.
- THE INTENT OF THE PLANS AND SPECIFICATIONS IS TO PERFORM THE CONSTRUCTION IN ACCORDANCE WITH THE CALIFORNIA BUILDING STANDARDS CODE, TITLE 19 AND 24, CALIFORNIA CODE REGULATIONS. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE APPROVED PLANS AND SPECIFICATIONS WHEREIN THE FINISH WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE JURISDICTION BEFORE PROCEEDING WITH THE WORK.

SITE WORK NOTES:

- DO NOT SCALE BUILDING DIMENSIONS FROM DRAWINGS.
- SIZE, LOCATION, AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON AS-BUILT DRAWINGS BY GENERAL CONTRACTOR AND ISSUED TO ARCHITECT OR ENGINEER OF RECORD AT COMPLETION OF PROJECT.

- ALL EXISTING UTILITIES, FACILITIES, CONDITIONS AND THEIR DIMENSIONS SHOWN ON PLANS HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ARCHITECT OR ENGINEER OF RECORD AND OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORK SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES.
- CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES BOTH HORIZONTAL AND VERTICALLY PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT OR ENGINEER OF RECORD FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT OR ENGINEER OF RECORD. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE. CONTRACTOR SHALL CALL LOCAL DIGGER HOT LINE FOR UTILITY LOCATIONS 48 HOURS PRIOR TO START OF CONSTRUCTION.
- CONTRACTOR SHALL CLEAN ENTIRE SITE AFTER CONSTRUCTION SUCH THAT NO PAPER, TRASH, WEEDS, BRUSH OR ANY OTHER DEPOSITS WILL REMAIN. ALL MATERIALS COLLECTED DURING CLEANING OPERATIONS SHALL BE DISPOSED OF OFF-SITE BY THE GENERAL CONTRACTOR.
- ALL SITE WORK SHALL BE CAREFULLY COORDINATED BY THE GENERAL CONTRACTOR WITH LOCAL UTILITY COMPANY, TELEPHONE COMPANY, AND ANY OTHER UTILITY COMPANIES HAVING JURISDICTION OVER THIS LOCATION.

FIRE DEPARTMENT NOTES:

- ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE CONSTRUCTED SO AS TO MAINTAIN AN EQUAL OR GREATER FIRE RATING.
- DECORATIVE MATERIALS SHALL BE MAINTAINED IN A FLAME-RETARDANT CONDITION. [CFC 807.1.2]
- CONTRACTOR SHALL VERIFY IN FIELD THE EXISTENCE OR INSTALLATION OF A FIRE EXTINGUISHER WITH A MINIMUM RATING OF 2A-10BC, WITH A CHARGE STATUS ACCEPTABLE TO THE LOCAL FIRE AUTHORITY HAVING JURISDICTION

ELECTRICAL NOTES:

- ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL ANY/ALL ELECTRICAL WORK INDICATED. ANY/ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH DRAWINGS AND ANY/ALL APPLICABLE SPECIFICATIONS. IF ANY PROBLEMS ARE ENCOUNTERED BY COMPLYING WITH THESE REQUIREMENTS, CONTRACTOR SHALL NOTIFY 'CONSTRUCTION MANAGER' AS SOON AS POSSIBLE, AFTER THE DISCOVERY OF THE PROBLEMS, AND SHALL NOT PROCEED WITH THAT PORTION OF WORK, UNTIL THE 'CONSTRUCTION MANAGER' HAS DIRECTED THE CORRECTIVE ACTIONS TO BE TAKEN.
- ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE HIMSELF WITH ANY/ALL CONDITIONS AFFECTING ELECTRICAL AND COMMUNICATION INSTALLATION AND MAKE PROVISIONS AS TO THE COST THEREOF. ALL EXISTING CONDITIONS OF ELECTRICAL EQUIP., LIGHT FIXTURES, ETC., THAT ARE PART OF THE FINAL SYSTEM, SHALL BE VERIFIED BY THE CONTRACTOR, PRIOR TO THE SUBMITTING OF HIS BID. FAILURE TO COMPLY WITH THIS PARAGRAPH WILL IN NO WAY RELIEVE CONTRACTOR OF PERFORMING ALL WORK NECESSARY FOR A COMPLETE AND WORKING SYSTEM.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE CEC AND ALL CODES AND LOCAL ORDINANCES OF THE LOCAL POWER & TELEPHONE COMPANIES HAVING JURISDICTION.
- DO NOT SCALE ELECTRICAL DRAWINGS. REFER TO SITE PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF ALL EQUIPMENT, AND CONFIRM WITH 'CONSTRUCTION MANAGER' ANY SIZES AND LOCATIONS WHEN NEEDED.
- EXISTING SERVICES: CONTRACTOR SHALL NOT INTERRUPT EXISTING SERVICES WITHOUT WRITTEN PERMISSION OF THE OWNER.
- CONTRACTOR SHALL PAY FOR ANY/ALL PERMITS, FEES, INSPECTIONS AND TESTING. CONTRACTOR IS TO OBTAIN PERMITS AND APPROVED SUBMITTALS PRIOR TO THE WORK BEGINNING OR ORDERING EQUIPMENT.
- THE TERM "PROVIDE" USED IN CONSTRUCTION DOCUMENTS AND SPECIFICATIONS, INDICATES THAT THE CONTRACTOR SHALL FURNISH AND INSTALL.
- CONTRACTOR SHALL CONFIRM WITH LOCAL UTILITY COMPANY ANY/ALL REQUIREMENTS SUCH AS THE: LUG SIZE RESTRICTIONS, CONDUIT ENTRY, SIZE OF TRANSFORMERS, SCHEDULED DOWNTIME FOR THE OWNERS' CONFIRMATION, ETC.. ANY/ALL CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER, PRIOR TO BEGINNING ANY WORK.
- MINIMUM WIRE SIZE SHALL BE #12 AWG, NOT INCLUDING CONTROL WIRING, UNLESS NOTED OTHERWISE. ALL CONDUCTORS SHALL BE COPPER WITH THWN INSULATION.
- OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN WET/DAMP LOCATIONS AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS.
- IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF THE CONSTRUCTION. CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS FOR THE EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
- ELECTRICAL SYSTEM SHALL BE AS COMPLETELY AND EFFECTIVELY GROUNDED, AS REQUIRED BY SPECIFICATIONS, SET FORTH BY T-MOBILE AND CEC ARTICLE 250.
- ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS, WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE AND SUBJECT TO REGULATORY INSPECTION AND APPROVAL BY CONSTRUCTION MANAGER.
- ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
- CONTRACTOR SHALL GUARANTEE ANY/ALL MATERIALS AND WORK FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE OF ACCEPTANCE.
- THE CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ANY ADDITIONAL CHARGE AND SHALL INCLUDE THE REPLACEMENT OR THE REPAIR OF ANY OTHER PHASE OF THE INSTALLATION, WHICH MAY HAVE BEEN DAMAGED THEREIN.
- ADEQUATE AND REQUIRED LIABILITY INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LOSS AND ANY/ALL PROPERTY DAMAGE FOR THE DURATION OF WORK.
- PROVIDE AND INSTALL CONDUIT, CONDUCTORS, PULL WIRES, BOXES, COVER PLATES, AND DEVICES FOR ALL OUTLETS AS INDICATED.
- DITCHING AND BACKFILL: CONTRACTOR SHALL PROVIDE FOR ALL UNDERGROUND INSTALLED CONDUIT AND/OR CABLES INCLUDING EXCAVATION AND BACKFILLING AND COMPACTION.
- MATERIALS, PRODUCTS AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SHALL APPEAR ON THE LIST OF U.L. APPROVED ITEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF THE NEC, NEMA AND IECE.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OR MANUFACTURER'S CATALOG INFORMATION OF ANY/ALL LIGHTING FIXTURES, SWITCHES AND ALL OTHER ELECTRICAL ITEMS FOR APPROVAL BY THE CONSTRUCTION MANAGER PRIOR TO INSTALLATION.
- ANY CUTTING OR PATCHING DEEMED NECESSARY FOR ELECTRICAL WORK IS THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY AND SHALL BE INCLUDED IN THE COST FOR WORK AND PERFORMED TO THE SATISFACTION OF THE 'CONSTRUCTION MANAGER' UPON FINAL ACCEPTANCE.
- THE ELECTRICAL CONTRACTOR SHALL LABEL ALL PANELS WITH ONLY TYPEWRITTEN DIRECTORIES. ALL ELECTRICAL WIRING SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.

- DISCONNECT SWITCHES SHALL BE H.P. RATED HEAVY-DUTY, QUICK-MAKE AND QUICK-BREAK ENCLOSURES, AS REQUIRED BY EXPOSURE TYPE.
- ALL CONNECTIONS SHALL BE MADE WITH A PROTECTIVE COATING OF ANTI-OXIDE COMPOUND SUCH AS "NO-OXIDE A" BY DEARBORNE CHEMICAL CO. COAT ALL WIRE SURFACES BEFORE CONNECTING. EXPOSED COPPER SURFACES, INCLUDING GROUND BARS, SHALL BE TREATED - NO SUBSTITUTIONS.
- RACEWAYS: CONDUIT SHALL BE SCHEDULE 40 PVC MEETING OR EXCEEDING NEMA TC2-1990. CONTRACTOR SHALL PLUG AND CAP EACH END OF SPARE AND EMPTY CONDUITS AND PROVIDE TWO SEPARATE PULL STRINGS- 200 LBS TEST POLYETHYLENE CORD. ALL CONDUIT BENDS SHALL BE A MINIMUM OF 2FT RADIUS. RGS CONDUITS WHEN SPECIFIED, SHALL MEET UL-6 FOR GALVANIZED STEEL. ALL FITTINGS SHALL BE SUITABLE FOR USE WITH THREADED RIGID CONDUIT. COAT ALL THREADS WITH 'BRITE ZING' OR 'GOLD GALV'.
- SUPPORT OF ALL ELECTRICAL WORK SHALL BE AS REQUIRED BY CEC.
- CONDUCTORS: CONTRACTOR SHALL USE 98% CONDUCTIVITY COPPER WITH TYPE THWN INSULATION, 800 VOLT, COLOR CODED. USE SOLID CONDUCTORS FOR WIRE UP TO AND INCLUDING NO. 8 AWG. USE STRANDED CONDUCTORS FOR WIRE ABOVE NO. 8 AWG.
- CONNECTORS FOR POWER CONDUCTORS: CONTRACTOR SHALL USE PRESSURE TYPE INSULATED TWIST-ON CONNECTORS FOR NO. 10 AWG AND SMALLER. USE SOLDERLESS MECHANICAL TERMINAL LUGS FOR NO. 8 AWG AND LARGER.
- SERVICE: 240/120V, SINGLE PHASE, 3 WIRE CONNECTION AVAILABLE FROM UTILITY COMPANY. OWNER OR OWNERS AGENT WILL APPLY FOR POWER.
- TELEPHONE SERVICE: CONTRACTOR SHALL PROVIDE EMPTY CONDUITS WITH PULL STRINGS AS INDICATED ON DRAWINGS.
- ELECTRICAL AND TELCO RACEWAYS TO BE BURIED A MINIMUM OF 2' DEPTH.
- CONTRACTOR SHALL PLACE TWO LENGTHS OF WARNING TAPE AT A DEPTH OF 12" BELOW GROUND AND DIRECTLY ABOVE ELECTRICAL AND TELCO SERVICE CONDUITS. CAUTION TAPE TO READ "CAUTION BURIED ELECTRIC" OR "BURIED TELECOM".

GROUNDING NOTES:

- COMPRESSION CONNECTIONS (2), 2 AWG BARE TINNED SOLID COPPER CONDUCTORS TO GROUNDING BAR. ROUTE CONDUCTORS TO BURIED GROUNDING RING AND PROVIDE PARALLEL EXOTHERMIC WELD.
- EC SHALL USE PERMANENT MARKER TO DRAW THE LINES BETWEEN EACH SECTION AND LABEL EACH SECTION ("P", "A", "N", "I") WITH 1" HIGH LETTERS.
- ALL HARDWARE 18-8 STAINLESS STEEL, INCLUDING LOCK WASHERS. COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING. ALL HARDWARE SHALL BE STAINLESS STEEL 3/8 INCH DIAMETER OR LARGER.
- FOR GROUND BOND TO STEEL ONLY: INSERT A CADMIUM FLAT WASHER BETWEEN LUG AND STEEL, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
- NUT & WASHER SHALL BE PLACED ON THE FRONT SIDE OF THE GROUNDING BAR AND BOLTED ON THE BACK SIDE.
- NUMBER OF GROUNDING BARS MAY VARY DEPENDING ON THE TYPE OF TOWER, ANTENNA LOCATION, AND CONNECTION ORIENTATION. PROVIDE AS REQUIRED.
- WHEN THE SCOPE OF WORK REQUIRES THE ADDITION OF A GROUNDING BAR TO AN EXISTING TOWER, THE SUBCONTRACTOR SHALL OBTAIN APPROVAL FROM THE TOWER OWNER PRIOR TO MOUNTING THE GROUNDING BAR TO THE TOWER.
- ALL ELECTRICAL AND GROUNDING AT THE CELL SITE SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE (NEC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 780 (LATEST EDITION), CALIFORNIA BUILDING STANDARDS AND MANUFACTURER.

STRUCTURAL SPECIFICATIONS:

A. GENERAL

- GENERAL DETAILS AND NOTES ON THESE SHEETS SHALL APPLY UNLESS SPECIFICALLY SHOWN OR NOTED OTHERWISE. CONSTRUCTION DETAILS NOT FULLY SHOWN OR NOTED SHALL BE SIMILAR TO DETAILS SHOWN FOR SIMILAR CONDITIONS.
- SHORING: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL ALL TEMPORARY BRACING AND SHORING TO INSURE THE SAFETY OF THE WORK UNTIL IT IS IN ITS COMPLETED FORM. THIS INCLUDES UNDERPINNING EXISTING FOOTINGS WHERE APPLICABLE.
- SAFETY: THESE STRUCTURAL DRAWINGS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE INDICATED, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION.

B. STEEL

- ALL STRUCTURAL STEEL SECTIONS AND WELDED PLATE MEMBERS SHALL CONFORM TO ASTM A-36 AND BE FABRICATED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE AISC.
- ALL BOLTS SHALL CONFORM TO ASTM A-307 UNLESS OTHERWISE NOTED ON PLANS.
- STEEL PIPE COLUMNS SHALL BE GRADE "B" CONFORMING TO ASTM A53.
- STEEL TUBING SHALL BE GRADE "B" CONFORMING TO ASTM A500.
- ALL WELDING SHOULD BE DONE IN CERTIFIED WELDER'S SHOP UNLESS NOTED OTHERWISE.
- ALL STRUCTURAL STEEL SHALL HAVE MILL CERTIFICATION. MILL CERTIFICATION SHALL BE KEPT ON THE JOB SITE FOR EXAMINATION BY THE DESIGN ENGINEER AND THE CITY INSPECTOR.
- ALL HIGH STRENGTH BOLTS SHALL HAVE MILL CERTIFICATION. MILL CERTIFICATION SHALL BE KEPT ON THE JOB SITE FOR EXAMINATION BY THE INSPECTOR.

C. CONCRETE

- STRENGTH: CONCRETE FOR THE PROJECT SHALL HAVE THE FOLLOWING ULTIMATE COMPRESSIVE STRENGTH AT AGE OF 28 DAYS:

| LOCATION | STRENGTH | WT. | SLUMP | ADMIXTURE |
|-------------------|----------|---------|-------|-----------|
| A. SLAB & FOOTING | 2500 PSI | 150 PCF | 4" | NONE |
- REBAR GRADES: REINFORCING STEEL SHALL BE CLEAN PREFORMED BARS CONFORMING TO ASTM A615 AS FOLLOWS:

| | |
|------------------------|----------|
| #4 & SMALLER BARS..... | GRADE 40 |
| #5 & LARGER BARS..... | GRADE 60 |
- CEMENT: FOUNDATIONS & SLABS: TYPE V, LOW ALKALI, CONFORMING TO ASTM C-150. PIER/CAISSON FOOTINGS: TYPE V, LOW ALKALI, CONFORMING TO ASTM C-150.
- AGGREGATE: USED IN THE CONCRETE SHALL CONFORM TO ASTM C-33. USE ONLY AGGREGATES KNOWN NOT TO CAUSE EXCESSIVE SHRINKAGE. THE MAXIMUM SIZE AGGREGATE IN CONCRETE WORK SHALL BE THE FOLLOWING:

| | |
|------------------------------------|-------------|
| A. FOUNDATIONS & SLABS 9" OR LESS: | 3/4" GRAVEL |
| B. PIER/CAISSON FOOTING: | 1" GRAVEL |
- WATER: SHALL BE CLEAN AND FREE FROM DELETERIOUS AMOUNT OF ACIDS, ALKALIS, ORGANIC MATERIALS AND SHALL BE SUITABLE FOR HUMAN CONSUMPTION.
- MIXING: PREPARATION OF CONCRETE SHALL CONFORM TO ASTM C-94. NO MORE THAN 90 MINUTES SHALL ELAPSE BETWEEN CONCRETE BATCHING AND CONCRETE PLACEMENT UNLESS APPROVED BY A TESTING AGENCY.
- SPLICES OF REINFORCING STEEL SHALL BE LAPPED A MINIMUM OF 40 DIAMETERS AND SECURELY WIRED TOGETHER. SPLICES OF ADJACENT REINFORCING BARS SHALL BE STAGGERED WHEREVER POSSIBLE.

T-Mobile

10509 VISTA SORRENTO PKWY #206
SAN DIEGO, CA 92121
T-MOBILE.COM

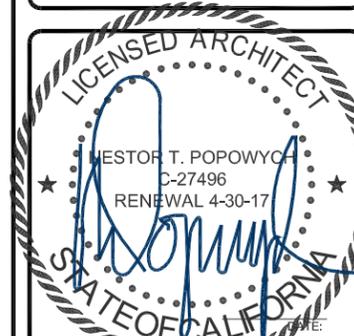
SOC
WIRELESS

5015 SHOREHAM PL.
SUITE 150
SAN DIEGO, CA 92122
www.socw.com
619.736.3766

REVISIONS

| REV. | DATE | DESCRIPTION | INITIALS |
|------|----------|-------------|----------|
| 0 | 03/18/16 | 90% CD's | CA |
| 1 | 03/24/16 | 100% CD's | DN |
| 2 | 07/19/16 | JX COMMENTS | CA |
| 3 | 09/08/16 | JX COMMENTS | CA |
| 4 | 10/11/16 | JX COMMENTS | CA |

NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET



"I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME AND UNDER MY DIRECT SUPERVISION AND THAT I AM DULY REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA"

SD052
SD06052A
600 PALM AVE
IMPERIAL BEACH, CA 91932

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

T-2

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO CARRIER SERVICES IS STRICTLY PROHIBITED.

- D. **TIMBER**
- ALL LUMBER SHALL BE NO. 2 GRADE DOUGLAS FIR, S4S. UNLESS NOTED OTHERWISE
 - ROOF PLYWOOD SHALL MATCH EXISTING PLYWOOD SHEATHING WITH A PANEL SPAN RATING 32/16. EDGE NAIL WITH 8d AT 6" O.C. UNLESS NOTED OTHERWISE ON PLANS. NAIL WITH 8d AT 12" O.C. AT INTERMEDIATE SUPPORTS.
 - THE MAXIMUM MOISTURE CONTENT OF ALL LUMBER SHALL NOT EXCEED 19% AT THE TIME OF INSTALLATION.
 - MINIMUM NAILING SHALL COMPLY WITH TABLE 2304.9.1 OF CALIFORNIA BUILDING CODE. ALL NAILS SHALL BE COMMON WIRE NAILS.
 - ALL BOLTS SHALL HAVE STANDARD CUT WASHERS UNDER HEADS AND/OR NUTS WHERE IN CONTACT WITH WOOD.
 - LAG BOLTS SHALL BE SCREWED INTO PLACE, NOT DRIVEN. LAG BOLTS SHALL BE INSTALLED IN PRE-DRILLED HOLES WITH A DIAMETER EQUAL TO 75% DIAMETER OF BOLTS.
 - CONNECTORS: ALL SHEET METAL FRAMING CONNECTORS SHOWN IN THE PLANS SHALL BE SIMPSON STRONG-TIE CONNECTORS. SUBSTITUTIONS MAY BE MADE WHEN APPROVED BY THE STRUCTURAL ENGINEER.
 - ALL LUMBER EXPOSED TO WEATHER OR IN CONTACT WITH MASONRY OR CONCRETE SHALL BE WOLMANIZED PRESSURE TREATED LUMBER OR A NATURALLY DECAY RESISTANT LUMBER SUCH AS REDWOOD OR CEDAR.

PAINTING NOTES & SPECIFICATIONS:

- A. **GENERAL**
- ALL PAINT PRODUCT LINES SHALL BE SHERWIN WILLIAMS UNLESS SPECIFICALLY NOTED OTHERWISE.
 - CONTRACTOR SHALL PREPARE ALL SURFACES AND APPLY ALL FINISHES PER LATEST EDITION OF MANUFACTURER'S SPECIFICATIONS.
 - COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS REGARDING SUFFICIENT DRYING TIME BETWEEN COATS WITH PROVISIONS AS RECOMMENDED BY MANUFACTURER FOR EXISTING WEATHER CONDITIONS.
 - FINISH COLOR AND TEXTURE OF ALL PAINTED SURFACES SHALL MATCH EXISTING ADJACENT SURFACES UNLESS OTHERWISE NOTED.
 - ALL PAINT MATERIAL DATA SHEETS SHALL BE PROVIDED TO THE T-MOBILE CONSTRUCTION MANAGER.
 - PREPARE PREVIOUSLY PAINTED SURFACE BY LIGHT SANDING WITH 400 GRIT SANDPAPER AND NON-HYDROCARBON WASH. PREPARE GALVANIZED SURFACES BY ACID ETCH OR SOLVENT CLEANING IN ACCORDANCE WITH SSPC-SP1.
 - FURNISH DROP CLOTHES, SHIELDS, MASKING AND PROTECTIVE METHODS TO PREVENT SPRAY OR DROPPINGS FROM DAMAGING ADJACENT SURFACES AND FACILITIES.
 - APPLY PAINT BY AIRLESS SPRAY, SANDING LIGHTLY BETWEEN EACH SUCCEEDING ENAMEL COAT ON FLAT SURFACES. APPLY MATERIAL TO ACHIEVE A COATING NO THINNER THAN THE DRY FILM THICKNESS INDICATED.
 - APPLY BLOCK FILTER TO CONCRETE BLOCK CONSTRUCTION AT A RATE TO ENSURE COMPLETE COVERAGE WITH PORES COMPLETELY FILLED.
 - CONTRACTOR SHALL CORRECT RUNS, SAGS, MISSES AND OTHER DEFECTS INCLUDING INADEQUATE COVERAGE AS DIRECTED BY THE T-MOBILE CONSTRUCTION MANAGER. REPAINT AS NECESSARY TO ACHIEVE SURFACES WHICH ARE SMOOTH, EVENLY COATED WITH UNIFORM SHEEN AND FREE FROM BLEMISHES.
- B. **COATING SYSTEM SPECIFICATIONS**
- DTM ACRYLIC COATING (SERIES B66) BY SHERWIN WILLIAMS CO. 1MIL DFT PER COAT APPLIED IN TWO COATS OVER DTM BONDING PRIMER (B66A50).
 - 100% ACRYLIC, LATEX COATING EQUIVALENT TO A-100 (SERIES A-82) BY SHERWIN WILLIAMS CO. 1 DFT PER COAT APPLIED IN TWO COATS OVER SPECIFIED PRIMER.
- C. **ANTENNAS**
- PRIMER - KEM AQUA E61-W525
TOPCOAT - COROTHANE II B65W200/B60V22
- BTS CABINET
PRIMER - KEM AQUA E61-W525
TOPCOAT - COROTHANE II B65W200/B60V22
- COAXIAL JUMPER CABLES
PRIMER - AS REQUIRED FOR ADHESION. APPLY ONE COAT OF KEM AQUA WATER REDUCIBLE PRIMER E61W25 REDUCED 25%
TOPCOAT - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2
- RAW STEEL
PRIMER - KEM BOND HS B50WZ4, DMT ACRYLIC PRIMER
TOPCOAT - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2
- GALVANIZED METAL
ACID ETCH WITH COMMERCIAL ETCH OR VINEGAR PRIMER COAT AND FINISH COAT (GALVITE HIGH SOLIDS OR DTM PRIMER/FINISH)
- STAINLESS STEEL
PRIMER - OTM WASH PRIMER, B71Y1
TOPCOATS - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2
- PRE-PRIMED STEEL
TOUCH UP ANY RUST OR UN-PRIMED STEEL WITH KEM BOND HS, SS0WZ4
- ALUMINUM & COPPER
PRIMER - DTM WASH PRIMER, B71Y1
TOPCOAT - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2
- CONCRETE MASONRY
PRIMER - PRO MAR EXTERIOR BLOCK FILLER
TOPCOAT - 2 COATS A-100 LATEX HOUSE & TRIM, SHEEN TO MATCH
- CONCRETE STUCCO (EXISTING)
2 COATS A-100 LATEX HOUSE & TRIM, SHEEN TO MATCH
- STUCCO
PRIMER - PRO MAR MASONRY CONDITIONED B-46 W21000
TOPCOAT - SUPERPAINT A-80 SERIES A-89 SATIN A-84 GLOSS
- WOOD
PRIMER - A-100 EXTERIOR ALKYD W009D PRIMER Y-24W20
TOPCOAT - 2 COATS A-100 LATEX HOUSE & TRIM SHEEN TO MATCH ADJACENT SURFACES

FIELD CUTS/ DAMAGE (PRIOR TO PRIME & PAINT)
FIRST & SECOND COAT - CUPRINOL CLEAR WOOD PRESERVATIVE #158-0356 ALL PENETRATIONS INTO FINISHED CLU-LAMS SHALL BE CAULKED WITH "SIKAFLEX" SEALANT

STEEL TOUCH UP
STEEL THAT HAS BEEN WELDED, CUT OR SCRATCHED IN THE FIELD SHALL BE TOUCHED UP WITH COLD GALVANIZED PAINT.

CONCRETE MASONRY NOTES:

- CONCRETE MASONRY UNITS SHALL BE MEDIUM WEIGHT UNITS CONFORMING TO ASTM C90, (FM=1,500 PSI), MEDIUM WEIGHT (115 PCF).
- MORTAR SHALL BE TYPE "S" (MINIMUM 1,800 PSI AT 2 DAYS).
- GROUT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI AT 28 DAYS.
- ALL CELLS CONTAINING REINFORCING STEEL OR EMBEDDED ITEMS AND ALL CELLS IN RETAINING WALLS AND WALLS BELOW GRADE SHALL BE SOLID GROUTED.
- WHEN GROUTING IS STOPPED FOR ONE HOUR OR LONGER, HORIZONTAL CONSTRUCTION JOINTS SHALL BE FORMED BY STOPPING THE GROUT POUR 1- 1/2" BELOW TOP OF THE UPPERMOST UNIT.
- ALL MASONRY CONSTRUCTION TO BE PERFORMED AS PER TMS 402-11/ACI 530-11/ASCE 5-1, CBC 2013 CHAPTER 21 AND LOCAL BUILDING ORDINANCES.
- REINFORCING BARS- SEE NOTES UNDER "REINFORCING STEEL" FOR REQUIREMENTS.
- ALL CELLS IN CONCRETE BLOCKS SHALL BE FILLED SOLID WITH GROUT EXCEPT AS NOTED IN THE DRAWINGS AND SPECIFICATIONS.
- BRICKS SHALL CONFORM TO ASTM C-62 AND SHALL BE GRADE MW OR BETTER.

STRUCTURAL CONCRETE NOTES:

- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301-10, ACI 318-11 AND THE SPECIFICATION FOR CAST-IN-PLACE CONCRETE.
- ALL CONCRETE SHALL HAVE MINIMUM COMPRESSIVE STRENGTH $f_c=2500$ PSI AT 28 DAYS UNLESS NOTED OTHERWISE.
- REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES CLASS "B" AND ALL HOOKS SHALL BE STANDARD UNLESS NOTED OTHERWISE.
- THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:

CONCRETE CASTS AGAINST EARTH..... 3 IN.

CONCRETE EXPOSED TO EARTH OR WEATHER:
#6 AND LARGER..... 2 IN.
#5 AND SMALLER & WWF..... 1-1/2 IN.

CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND:
SLAB AND WALL 3/4 IN.
BEAMS AND COLUMNS..... 1-1/2 IN.

- A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE U.N.O. IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.
- HOLES TO RECEIVE EXPANSION/WEDGE ANCHORS SHALL BE 1/8" LARGER IN DIAMETER THAN THE ANCHOR BOLT, DOWEL OR ROD AND SHALL CONFORM TO MANUFACTURERS RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. LOCATE AND AVOID CUTTING EXISTING REBAR WHEN DRILLING HOLES IN CONCRETE SLABS.
- USE AND INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR SHALL BE PER ICC ER# & MANUFACTURERS WRITTEN RECOMMENDED PROCEDURES.

BATTERY NOTES:

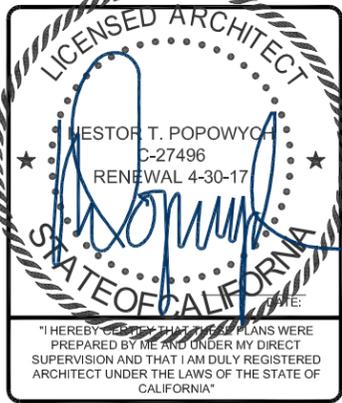
- QUANTITIES OF 500 GAL. OR LESS ARE EXEMPT PER TABLE 3-E OF THE 1997 U.B.C.
- SINGLE VESSEL CAPACITIES OF 20 GAL. OR LESS, AND AGGREGATE QUANTITIES NOT IN EXCESS OF 100 GAL. ARE EXEMPT PER ARTICLE 64 OF THE 2013 C.F.C.
- QUANTITIES LESS THAN 50 GAL. ARE EXEMPT FROM C.F.C. ARTICLE 80, AND SHALL NOT REQUIRE PERMIT.
- ANY CHANGES OR ADDITIONS TO BACK-UP BATTERIES MUST COMPLY WITH 2013 C.F.C. ARTICLE 64, AND SHALL NOT CONTAIN ELECTROLYTE QUANTITIES IN EXCESS OF 50

FIRE DEPARTMENT NOTES:

- FIRE DEPARTMENT FINAL INSPECTION REQUIRED. SCHEDULE INSPECTION 2 DAYS IN ADVANCE.
- A CFC PERMIT TO OPERATE BATTERY SYSTEMS WITH STATIONARY LEAD-ACID BATTERIES IS NOT REQUIRED FOR THE QUANTITIES ON SITE.
- A CFC PERMIT MAY BE REQUIRED FOR THE HAZARDOUS MATERIALS ON SITE.
- A HAZARDOUS MATERIALS IDENTIFICATION SIGN IS REQUIRED FOR ALL ENTRANCES INTO BATTERY STORAGE AREAS. LETTERS MUST BE AT LEAST 1" IN HEIGHT AND IN A COLOR WHICH CONTRASTS TO THE BACKGROUND OF THE SIGN AND LIST THE FOLLOWING: "CLASS 1 WATER REACTIVE LIQUID TOXIC LIQUID CORROSIVE LIQUID OTHER HEALTH HAZARD LIQUID"
- AN APPROVED METHOD TO NEUTRALIZE SPILLED ELECTROLYTE SHALL BE PROVIDED IN THE BATTERY ROOM.
- BATTERIES SHALL BE PROVIDED WITH SAFETY VENTING CAPS.
- LOCATIONS AND CLASSIFICATIONS OF EXTINGUISHERS SHALL BE IN ACCORDANCE WITH THE UNIFORM FIRE CODE STANDARD 10-1 AND PLACEMENT IS SUBJECT TO APPROVAL OF THE FIRE INSPECTOR.
- STORAGE, DISPENSING OR USE OF ANY FLAMMABLE AND COMBUSTIBLE LIQUIDS, FLAMMABLE AND COMPRESSED GASES, AND OTHER HAZARDOUS MATERIALS SHALL COMPLY WITH UNIFORM FIRE CODE REGULATIONS.
- EXIST DOORS SHALL BE ABLE TO OPEN FROM THE INSIDE WITHOUT THE USE OF KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
- ADDRESS NUMBERS SHALL BE A MINIMUM 6 INCHES HIGH AND PLAINLY VISIBLE FROM ROADWAY BUILDING IS ADDRESSED ON.
- REQUIRED SIGNAGE SHALL INCLUDE LETTERING HEIGHT OF AT LEAST ONE INCH, IN A COLOR THAT CONTRASTS TO THE SIGN BACKGROUND, AND SHALL BE PROMINENTLY DISPLAYED.
- REQUIRED SIGNAGE SHALL INCLUDE, BUT MAY NOT BE LIMITED TO, APPLICABLE TYPES FROM EXAMPLES SHOWN HEREIN (SEE SIGNAGE).



| REVISIONS | | | |
|---|----------|-------------|----------|
| REV. | DATE | DESCRIPTION | INITIALS |
| 0 | 03/18/16 | 90% CD's | CA |
| 1 | 03/24/16 | 100% CD's | DN |
| △ | 07/19/16 | JX COMMENTS | CA |
| △ | 09/08/16 | JX COMMENTS | CA |
| △ | 10/11/16 | JX COMMENTS | CA |
| | | | |
| | | | |
| NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET | | | |



SD052
SD06052A
600 PALM AVE
IMPERIAL BEACH, CA 91932

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

T-3

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LEGEND

| | | | |
|--|----------------------------|--|---------------|
| | DETAIL REFERENCE | | LINE TYPES |
| | ELEVATION REFERENCE | | PROPERTY LINE |
| | SECTION REFERENCE | | CENTER LINE |
| | AZIMUTH ARROW | | FIBER CABLE |
| | GROUNDING CABLE | | |
| | ELEVATION BUBBLE | | |
| | MECHANICAL GRND. CONN. | | |
| | CADWELD | | |
| | GROUND BUS BAR | | |
| | ANTENNAS BY OTHERS | | |
| | EXISTING T-MOBILE ANTENNAS | | |
| | PROPOSED T-MOBILE ANTENNAS | | |
| | T-MOBILE RADIO | | |

| | |
|--------|---|
| SCALE | 5 |
| N.T.S. | |

ALL THAT PORTION OF THE WEST HALF OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 19, TOWNSHIP 18 SOUTH, RANGE 2 WEST SAN BERNARDINO BASE AND MERIDIAN IN THE CITY OF IMPERIAL BEACH COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO UNITED STATES GOVERNMENT SURVEY LYING WESTERLY OF THE EASTERLY 65.00 FEET THEREOF AND LYING NORTHERLY OF THE SOUTHERLY 50 FEET THEREOF.

EXCEPTION FROM THE PROPERTY DESCRIBED ABOVE, ANY PORTION THEREOF LYING NORTHERLY OF THE SOUTHERLY LINE DEED RECORDED JULY 12, 1943 IN BOOK1534, PAGE 7 OF OFFICIAL RECORDS.

| | |
|--------|---|
| SCALE | 4 |
| N.T.S. | |

LEGAL DESCRIPTION

- **CONSTRUCTION DRAWINGS:** SD06052A_Other_SD06052_SCR_ZDs; SD06052A; BY: MITCHELL J ARCHITECTURE; 06/18/12
- **SCOPE OF WORK:** RFDS_SD06052A_2_(L700)_Signed_020816
- **SITE WALK:** NO CURRENT SITE WALK AVAILABLE
- **SITE SURVEY:** NO CURRENT SURVEY AVAILABLE

| | |
|--------|---|
| SCALE | 3 |
| N.T.S. | |

REFERENCED DOCUMENTS

NOTICE

Radio frequency fields beyond this point may exceed the FCC general public exposure limit.

Obey all posted signs and site guidelines for working in radio frequency environments.

In accordance with Federal Communications Commission rules on radio frequency emissions 47 CFR 1.1307 (b)

CAUTION

Beyond this point: Radio frequency fields at this site may exceed FCC rules for human exposure.

For your safety, obey all posted signs and site guidelines for working in radio frequency environments.

In accordance with Federal Communications Commission rules on radio frequency emissions 47 CFR 1.1307 (b)

WARNING

Beyond this point: Radio frequency fields at this site exceed the FCC rules for human exposure.

Failure to obey all posted signs and site guidelines for working in radio frequency environments could result in serious injury.

In accordance with Federal Communications Commission rules on radio frequency emissions 47 CFR 1.1307 (b)

ALERTING SIGNS

DANGER

HAZARDOUS MATERIAL STORAGE AREA

WARNING

THIS FACILITY CONTAINS CORROSIVE LIQUID TOXIC LIQUID CLASS 1 WATER REACTIVE LIQUID

IN CASE OF EMERGENCY CALL

1-866-400-6040

SITE NUMBER:SD06052A
SITE NAME: SD052



INFORMATION SIGN

| | |
|--------|---|
| SCALE | 2 |
| N.T.S. | |

ABBREVIATIONS

| ABBREVIATION | DEFINITION | ABBREVIATION | DEFINITION |
|--------------|----------------------------|--------------|----------------------------|
| A.B. | ANCHOR BOLT | GRND. | GROUND |
| ABV. | ABOVE | HDR. | HEADER |
| AC | AIR CONDITIONING | HGR. | HEIGHT |
| ACU | AIR CONDITIONING UNIT | ICGB. | ISOLATED COPPER GROUND BUS |
| ACCA | ANTENNA CABLE COVER ASSY. | IGR | INTERIOR GROUND RING |
| ADD'L | ADDITIONAL | IN. (") | INCH(ES) |
| A.F.F. | ABOVE FINISHED FLOOR | INT. | INTERIOR |
| A.F.G. | ABOVE FINISHED GRADE | LB. (#) | POUND(S) |
| A.G.L. | ABOVE GRADE LEVEL | L.B. | LAG BOLTS |
| ALUM. | ALUMINUM | L.F. | LINEAR FEET (FOOT) |
| ALT. | ALTERNATE | L. | LONG(ITU)DINAL |
| ANT. | ANTENNA | MGB | MASTER GROUND BUS |
| APPRX. | APPROXIMATE(LY) | MAS. | MASONRY |
| APX | APEX | MAX. | MAXIMUM |
| ARCH. | ARCHITECT(URAL) | M.B. | MACHINE BOLT |
| ASSY. | ASSEMBLY | MECH. | MECHANICAL |
| AWG. | AMERICAN WIRE GAUGE | MFR. | MANUFACTURER |
| BCN | BEACON | MIN. | MINIMUM |
| BD. | BOLLARD | MISC. | MISCELLANEOUS |
| BDK | BRASS DISK | MTL. | METAL |
| BLDG. | BUILDING | MW | MICROWAVE |
| BLK. | BLOCK | (N) | NEW |
| BLKG. | BLOCKING | NO. (#) | NUMBER |
| BM | BEAM / BENCH MARK | N.T.S. | NOT TO SCALE |
| B.N. | BOUNDARY NAILING | O.C. | ON CENTER |
| BTCW. | BARE TINNED COPPER WIRE | OH. | OVERHEAD |
| B.O.F. | BOTTOM OF FOOTING | OH.P. | OVERHEAD POWER LINE |
| BTM. | BOTTOM | OPNG. | OPENING |
| BRC. | BRACE | P/C | PRECAST CONCRETE |
| BTS | BASE TRANSCIEVER STATION | PLY. | PLYWOOD |
| B.W.F. | BARBED WIRE FENCE | PPC | POWER PROTECTION CABINET |
| B/U | BACK-UP CABINET | P.S.F. | POUNDS PER SQUARE FOOT |
| CAB. | CABINET | P.S.I. | POUNDS PER SQUARE INCH |
| CANT. | CANTILEVER(ED) | P.T. | PRESSURE TREATED |
| C.I.P. | CAST IN PLACE | PWR. | POWER (CABINET) |
| C.L.F. | CHAIN LINK FENCE | QTY. | QUANTITY |
| CLG. | CEILING | R. | RADIUS |
| CLR. | CLEAR | RAD. CTR. | RADIATION CENTER |
| COL. | COLUMN | RBS | RADIO BASE STATION |
| CONC. | CONCRETE | REF. | REFERENCE |
| CONN. | CONNECTION(OR) | REINF. | REINFORCEMENT(ING) |
| CONST. | CONSTRUCTION | REQD. | REQUIRED |
| CONT. | CONTINUOUS | RF | RADIO FREQUENCY |
| CPD | CONCRETE PAD | RGS | RIGID GALVANIZED STEEL |
| C.T. | CABLE TRAY | RRU | REMOTE RADIO UNIT |
| d | PENNY (NAILS) | RRH | REMOTE RADIO HEAD |
| DBL. | DOUBLE | SCH. | SCHEDULE |
| DEF. | DEFINITION | SHT. | SHEET |
| DEPT. | DEPARTMENT | SIM. | SIMILAR |
| D.F. | DOUGLAS FIR | SPEC. | SPECIFICATION(S) |
| DIA. (Ø) | DIAMETER | SP | STEEL PLATE |
| DIAG. | DIAGONAL | SQ. | SQUARE |
| DIM. | DIMENSION | S.S. | STAINLESS STEEL |
| DR. | DOOR | STD. | STANDARD |
| DWG. | DRAWING(S) | STL. | STEEL |
| DWL. | DOWEL(S) | STRUC. | STRUCTURAL |
| EA. | EACH | T.B.D. | TO BE DETERMINED |
| EBX | ELECTRICAL BOX | T.B.R. | TO BE RESOLVED |
| EG | EQUIPMENT GROUND | TEMP. | TEMPORARY |
| EGR | EQUIPMENT GROUND RING | THK. | THICK(NESS) |
| EL. | ELEVATION | TMA | TOWER MOUNTED AMPLIFIER |
| ELEC. | ELECTRICAL | T.N. | TOE NAIL |
| ELEV. | ELEVATOR | T.O.A. | TOP OF ANTENNA |
| EM | ELECTRICAL METER | T.O.C. | TOP OF CURB |
| E.M.T. | ELECTRICAL METALLIC TUBING | T.O.F. | TOP OF FOUNDATION |
| E.O.P. | EDGE OF PAVEMENT | T.O.P. | TOP OF PLATE (PARAPET) |
| EQ. (=) | EQUAL | T.O.S. | TOP OF STEEL |
| EVLT | ELECTRICAL VAULT | T.O.W. | TOP OF WALL |
| ENG. | EXPANSION | TWR. | TOWER |
| EXST. | EXISTING | TYP. | TYPICAL |
| EXT. | EXTERIOR | U.G. | UNDER GROUND |
| FAB. | FABRICATION(OR) | U.L. | UTILITY POLE |
| F.N. | FINISH FLOOR | U.N.O. | UNLESS NOTED OTHERWISE |
| F.O. | FINISH GRADE | V.I.N. | VERIFY IN FIELD |
| FIN. | FINISH(ED) | W. | WIDE(WIDTH) |
| FLR. | FLOOR | WD. | WOOD |
| FDN. | FOUNDATION | W.P. | WEATHERPROOF |
| F.C. | FACE OF CONCRETE | WT. | WEIGHT |
| F.M. | FACE OF MASONRY | | |
| F.S. | FACE OF STUD | | |
| F.W. | FACE OF WALL | | |
| F.S. | FINISHED SURFACE | | |
| FT. (') | FOOT(FEET) | | |
| FTG. | FOOTING | | |
| GA. | GAUGE | | |
| GI. | GALVANIZE(D) | | |
| G.F.I. | GROUND FAULT INTERRUPTER | | |
| GEN | GENERATOR | | |
| GLB. | GLOBAL POSITIONING SYSTEM | | |
| GRC. | GROWTH RADIO CABINET | | |

| | |
|--------|---|
| SCALE | 1 |
| N.T.S. | |

10509 VISTA SORRENTO PKWY #206
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T-MOBILE.COM

5015 SHOREHAM PL.
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www.socw.com
619.736.3766

REVISIONS

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| 1 | 03/24/16 | 100% CD's | DN |
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| △ | 09/08/16 | JX COMMENTS | CA |
| △ | 10/11/16 | JX COMMENTS | CA |

NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET

NESTOR T. POPOWICH
C-27496
RENEWAL 4-30-17
STATE OF CALIFORNIA

"I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME AND UNDER MY DIRECT SUPERVISION AND THAT I AM DULY REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA"

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SD06052A
600 PALM AVE
IMPERIAL BEACH, CA 91932

SHEET TITLE
**REFERENCED DOCUMENTS,
SIGNAGE, LEGAL
DESCRIPTION &
ABBREVIATIONS**

SHEET NUMBER
T-4



T-Mobile West LLC
A subsidiary of T-Mobile USA Inc.
10509 Vista Sorrento Parkway, #206
San Diego, CA 92121

January 14, 2016

City of Imperial Beach
Development Services Department
825 Imperial Beach Blvd.
Imperial Beach, CA 91932

Re: Letter of Authorization for Obtaining Land Use Entitlements

To Whom it May Concern,

T-Mobile hereby authorizes SAC Wireless, its employees, agents, and contractors to file and complete any applications necessary to obtain required land use entitlements on T-Mobile's behalf for all T-Mobile projects.

If you have any questions or concerns, please contact me at (858) 334-6112.

Regards,

Joseph Rose

Joey Rose, Esq.

Site Development Manager
T-Mobile USA

VICINITY MAP
PHOTOSIMULATION VIEWPOINTS



DISCLAIMER:
THIS PHOTOSIMULATION IS INTENDED AS A GRAPHICAL REPRESENTATION OF EXISTING AND PROPOSED SITE CONDITIONS BASED ON THE PROJECT'S DRAWING PLANS. IT IS NOT INTENDED FOR CONSTRUCTION. ACTUAL FINAL CONSTRUCTION MAY VARY.



L700 PROJECT
SD06052A
SD052
600 PALM AVE
IMPERIAL BEACH, CA 91932



PHOTOSIMULATION VIEW 1



EXISTING
NOTE:
• EXISTING FACADE MATERIALS TO BE MAINTAINED.
• EXISTING FACADE MATERIALS TO BE MAINTAINED.
• EXISTING FACADE MATERIALS TO BE MAINTAINED.

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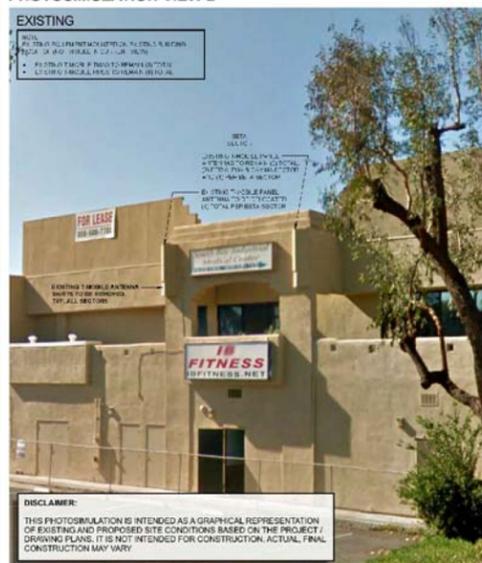
NEW
NOTE:
• PROPOSED T-MOBILE PANEL ANTENNAS TO BE INSTALLED ON THE BUILDING FACADE.
• PROPOSED T-MOBILE PANEL ANTENNAS TO BE INSTALLED ON THE BUILDING FACADE.
• PROPOSED T-MOBILE PANEL ANTENNAS TO BE INSTALLED ON THE BUILDING FACADE.



L700 PROJECT
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SD052
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IMPERIAL BEACH, CA 91932



PHOTOSIMULATION VIEW 2



EXISTING
NOTE:
• EXISTING FACADE MATERIALS TO BE MAINTAINED.
• EXISTING FACADE MATERIALS TO BE MAINTAINED.
• EXISTING FACADE MATERIALS TO BE MAINTAINED.

DISCLAIMER:
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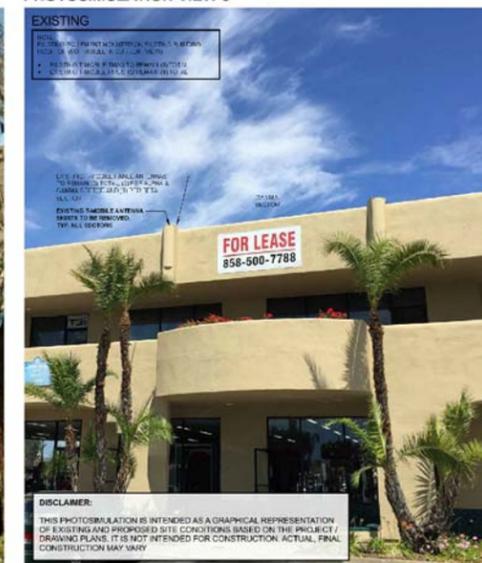
NEW
NOTE:
• PROPOSED T-MOBILE PANEL ANTENNAS TO BE INSTALLED ON THE BUILDING FACADE.
• PROPOSED T-MOBILE PANEL ANTENNAS TO BE INSTALLED ON THE BUILDING FACADE.
• PROPOSED T-MOBILE PANEL ANTENNAS TO BE INSTALLED ON THE BUILDING FACADE.



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IMPERIAL BEACH, CA 91932

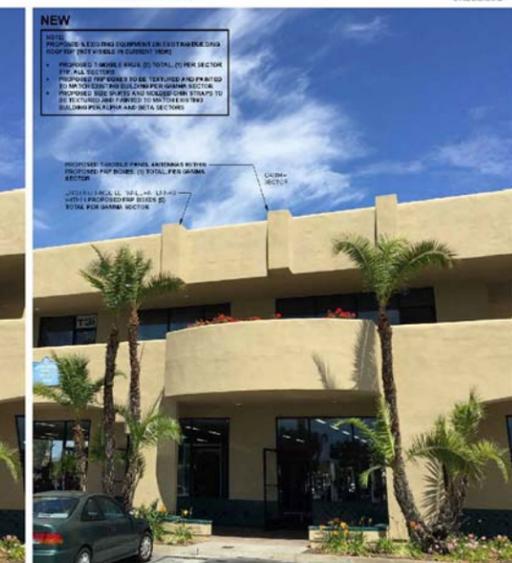


PHOTOSIMULATION VIEW 3



EXISTING
NOTE:
• EXISTING FACADE MATERIALS TO BE MAINTAINED.
• EXISTING FACADE MATERIALS TO BE MAINTAINED.
• EXISTING FACADE MATERIALS TO BE MAINTAINED.

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NEW
NOTE:
• PROPOSED T-MOBILE PANEL ANTENNAS TO BE INSTALLED ON THE BUILDING FACADE.
• PROPOSED T-MOBILE PANEL ANTENNAS TO BE INSTALLED ON THE BUILDING FACADE.
• PROPOSED T-MOBILE PANEL ANTENNAS TO BE INSTALLED ON THE BUILDING FACADE.



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IMPERIAL BEACH, CA 91932

SHEET TITLE
APPROVED PHOTO
SIMULATIONS &
LETTER OF
AUTHORIZATION

SHEET NUMBER
T-5

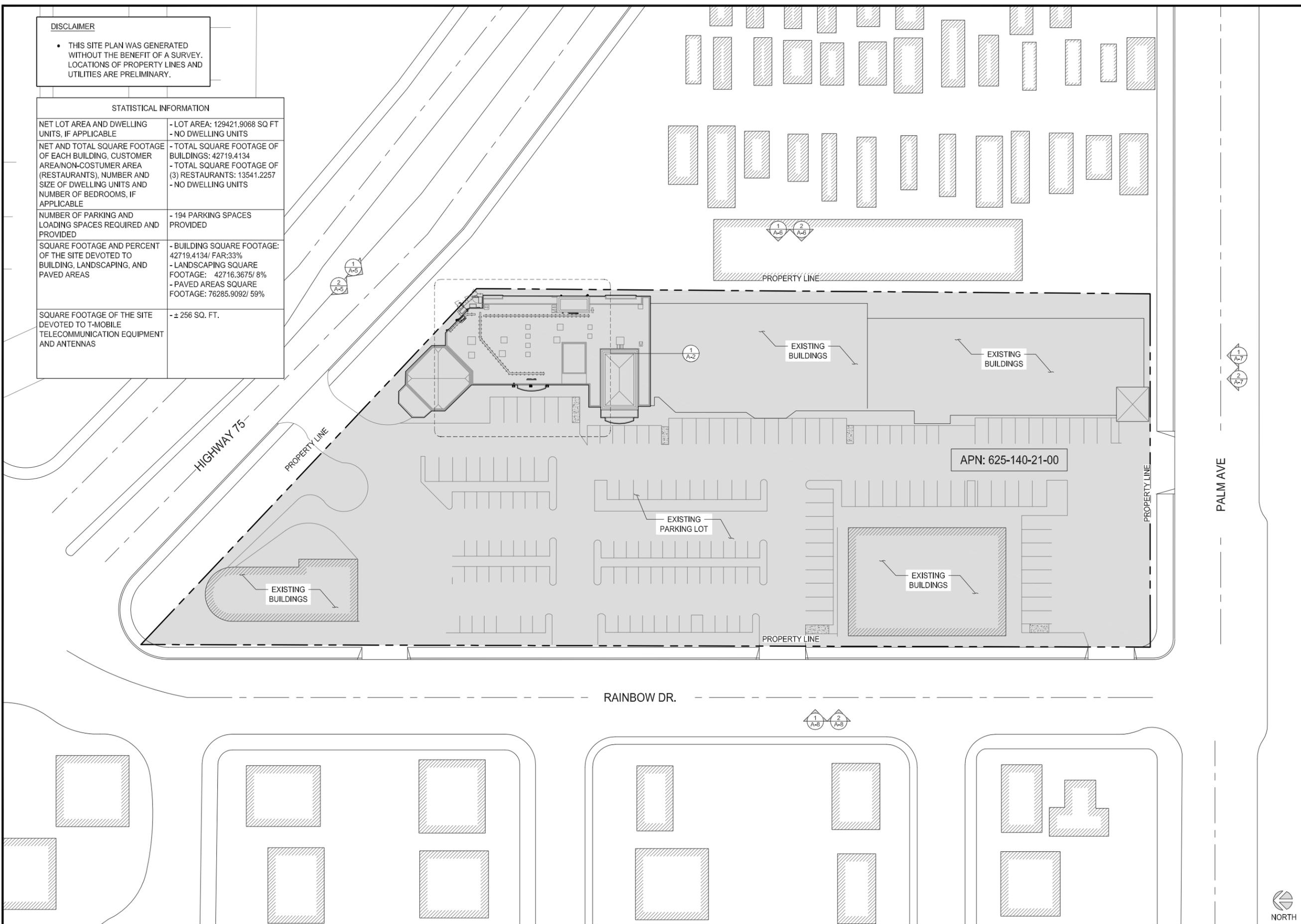
THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO CARRIER SERVICES IS STRICTLY PROHIBITED.

DISCLAIMER

- THIS SITE PLAN WAS GENERATED WITHOUT THE BENEFIT OF A SURVEY. LOCATIONS OF PROPERTY LINES AND UTILITIES ARE PRELIMINARY.

| STATISTICAL INFORMATION | |
|---|---|
| NET LOT AREA AND DWELLING UNITS, IF APPLICABLE | - LOT AREA: 129421.9068 SQ FT - NO DWELLING UNITS |
| NET AND TOTAL SQUARE FOOTAGE OF EACH BUILDING, CUSTOMER AREA/NON-CUSTOMER AREA (RESTAURANTS), NUMBER AND SIZE OF DWELLING UNITS AND NUMBER OF BEDROOMS, IF APPLICABLE | - TOTAL SQUARE FOOTAGE OF BUILDINGS: 42719.4134 - TOTAL SQUARE FOOTAGE OF (3) RESTAURANTS: 13541.2257 - NO DWELLING UNITS |
| NUMBER OF PARKING AND LOADING SPACES REQUIRED AND PROVIDED | - 194 PARKING SPACES PROVIDED |
| SQUARE FOOTAGE AND PERCENT OF THE SITE DEVOTED TO BUILDING, LANDSCAPING, AND PAVED AREAS | - BUILDING SQUARE FOOTAGE: 42719.4134/ FAR:33% - LANDSCAPING SQUARE FOOTAGE: 42716.3675/ 8% - PAVED AREAS SQUARE FOOTAGE: 76285.9092/ 59% |
| SQUARE FOOTAGE OF THE SITE DEVOTED TO T-MOBILE TELECOMMUNICATION EQUIPMENT AND ANTENNAS | - ± 256 SQ. FT. |

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SUITE 150
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619.736.3766



| REVISIONS | | | |
|-----------|----------|-------------|----------|
| REV. | DATE | DESCRIPTION | INITIALS |
| 0 | 03/18/16 | 90% CD's | CA |
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| 2 | 07/19/16 | JX COMMENTS | CA |
| 3 | 09/08/16 | JX COMMENTS | CA |
| 4 | 10/11/16 | JX COMMENTS | CA |

NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET

LICENSED ARCHITECT
WESTOR T. POPOWYC
C-27496
RENEWAL 4-30-17
STATE OF CALIFORNIA

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600 PALM AVE
IMPERIAL BEACH, CA 91932

SHEET TITLE
OVERALL SITE PLAN

SHEET NUMBER
A-1

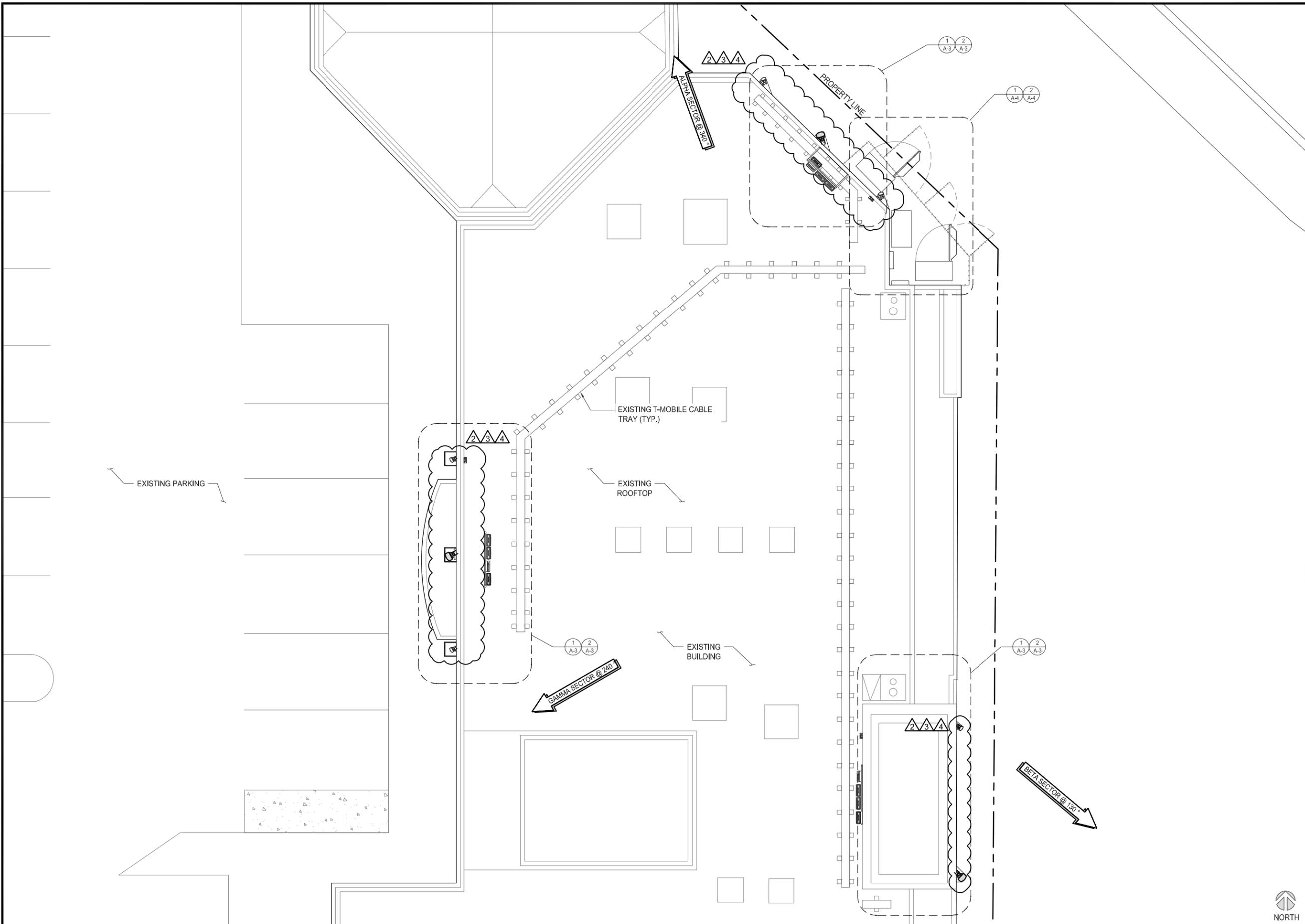
OVERALL SITE PLAN

30' 0 15' 30' SCALE: 1"=30'-0" (22x34)
(OR) 1/2"=30'-0" (11x17)



1

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LICENSED ARCHITECT
 NESTOR T. POPOWYC
 C-27496
 RENEWAL 4-30-17
 STATE OF CALIFORNIA
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SHEET TITLE
ENLARGED ROOF PLAN

SHEET NUMBER
A-2

ENLARGED ROOF PLAN

0 1.5' 3' 5' SCALE: 3/16"=1'-0" (22x34)
(OR) 3/32"=1'-0" (11x17)



PROPOSED ANTENNA SCHEDULE

| SECTOR | AZIMUTH | RAD CENTER | POSITION | EXISTING OR PROPOSED | ANTENNA HEIGHT | ANTENNA MODEL | RRU | CABLE | CABLE LENGTH AS PER RFDS |
|--------|---------|------------|----------|----------------------|----------------|----------------|------------------------------|-----------------------|--------------------------|
| ALPHA | 340 ° | 24'-10" | 1 | EXISTING | 52" | TMBXX-6516-R2M | (1)RRUS01 B2 (1)RRUS11 B2 | (2) FIBER (2) COAX | 16'-0" 59'-0" |
| | | | 2 | EXISTING | 52" | TMBXX-6516-R2M | (1)RRUS11 B4 (1)TWIN AWS | (1) FIBER (2) COAX | 16'-0" 59'-0" |
| | | | 3 | PROPOSED | 54.9" | LNX-6513DS-A1M | (1) RRUS11B12 | (1) FIBER | 16' |
| BETA | 130 ° | 24'-10" | 1 | EXISTING | 52" | TMBXX-6516-R2M | (1)RRUS01 B2 (1)RRUS11 B2 | (2) FIBER (2) COAX | 16'-0" |
| | | | 2 | PROPOSED | 96.6" | LNX-6515DS-A1M | (1) RRUS11B12 | (1) FIBER | 16' |
| | | 19'-8" | 23'-0" | 2 | PROPOSED | 96.6" | LNX-6515DS-A1M | (1) RRUS11B12 | (1) FIBER |
| GAMMA | 240 ° | 24'-10" | 1 | EXISTING | 52" | TMBXX-6516-R2M | (1)RRUS01 B2 (1)RRUS11 B2 | (2) FIBER (2) COAX | 16'-0" 59'-0" |
| | | | 2 | EXISTING | 52" | TMBXX-6516-R2M | (1)RRUS11 B4 (1)TWIN AWS | (1) FIBER (2) COAX | 16'-0" 59'-0" |
| | | | 3 | PROPOSED | 54.9" | LNX-6513DS-A1M | (1) RRUS11B12 | (1) FIBER | 16' |

EXISTING ANTENNA SCHEDULE

| SECTOR | AZIMUTH | RAD CENTER | POSITION | EXISTING OR PROPOSED | ANTENNA HEIGHTS | ANTENNA MODEL | RRU | CABLE | CABLE LENGTH AS PER RFDS |
|--------|---------|------------|----------|----------------------|-----------------|----------------|------------------------------|-----------------------|--------------------------|
| ALPHA | 340 ° | 24'-10" | 1 | EXISTING | 52" | TMBXX-6516-R2M | (1)RRUS01 B2 (1)RRUS11 B2 | (2) FIBER (2) COAX | 16'-0" 59'-0" |
| | | | 2 | EXISTING | 52" | TMBXX-6516-R2M | (1)RRUS11 B4 (1)TWIN AWS | (1) FIBER (2) COAX | 16'-0" 59'-0" |
| BETA | 130 ° | 24'-10" | 1 | EXISTING | 52" | TMBXX-6516-R2M | (1)RRUS01 B2 (1)RRUS11 B2 | (2) FIBER (2) COAX | 16'-0" 59'-0" |
| | | | 2 | EXISTING | 52" | TMBXX-6516-R2M | (1)RRUS11 B4 (1)TWIN AWS | (1) FIBER (2) COAX | 16'-0" 59'-0" |
| GAMMA | 240 ° | 24'-10" | 1 | EXISTING | 52" | TMBXX-6516-R2M | (1)RRUS01 B2 (1)RRUS11 B2 | (2) FIBER (2) COAX | 16'-0" 59'-0" |
| | | | 2 | EXISTING | 52" | TMBXX-6516-R2M | (1)RRUS11 B4 (1)TWIN AWS | (1) FIBER (2) COAX | 16'-0" 59'-0" |

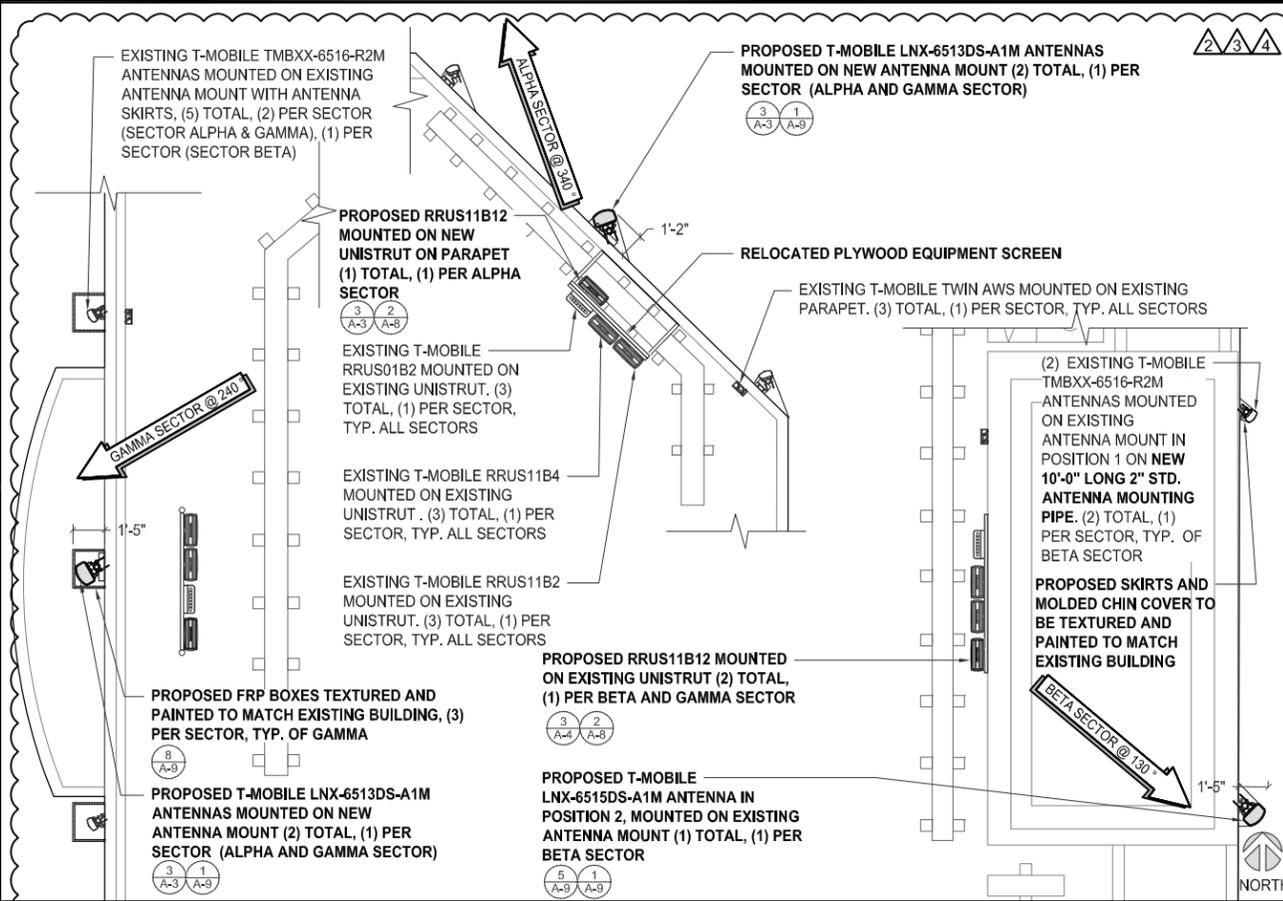
PROPOSED & EXISTING ANTENNA SCHEDULES

SCALE N.T.S. 4

PROPOSED ANTENNA PLAN

SCALE: 1/4"=1'-0" (22x34)
(OR) 1/8"=1'-0" (11x17)

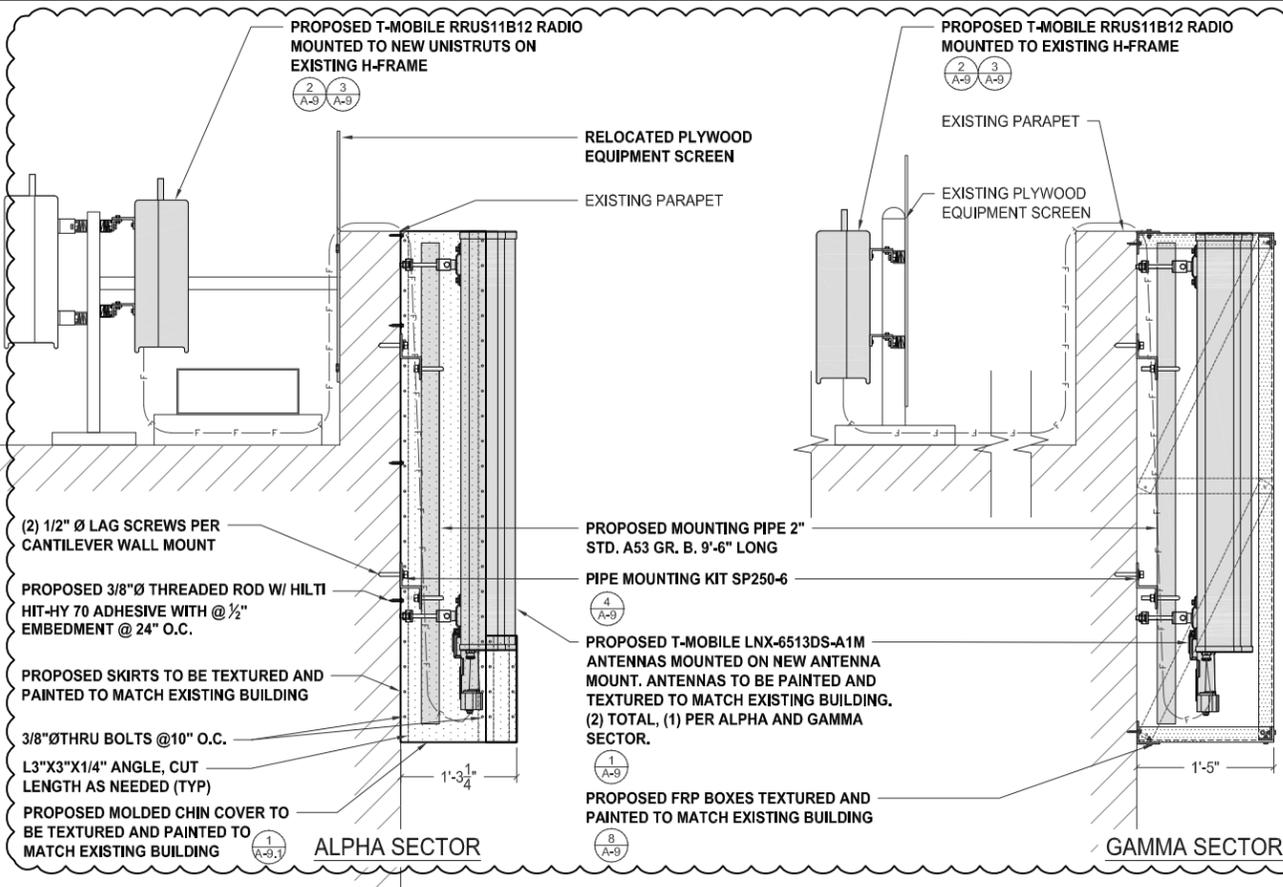
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REVISIONS

| REV. | DATE | DESCRIPTION | INITIALS |
|------|----------|-------------|----------|
| 0 | 03/18/16 | 90% CD's | CA |
| 1 | 03/24/16 | 100% CD's | DN |
| 2 | 07/19/16 | JX COMMENTS | CA |
| 3 | 09/08/16 | JX COMMENTS | CA |
| 4 | 10/11/16 | JX COMMENTS | CA |

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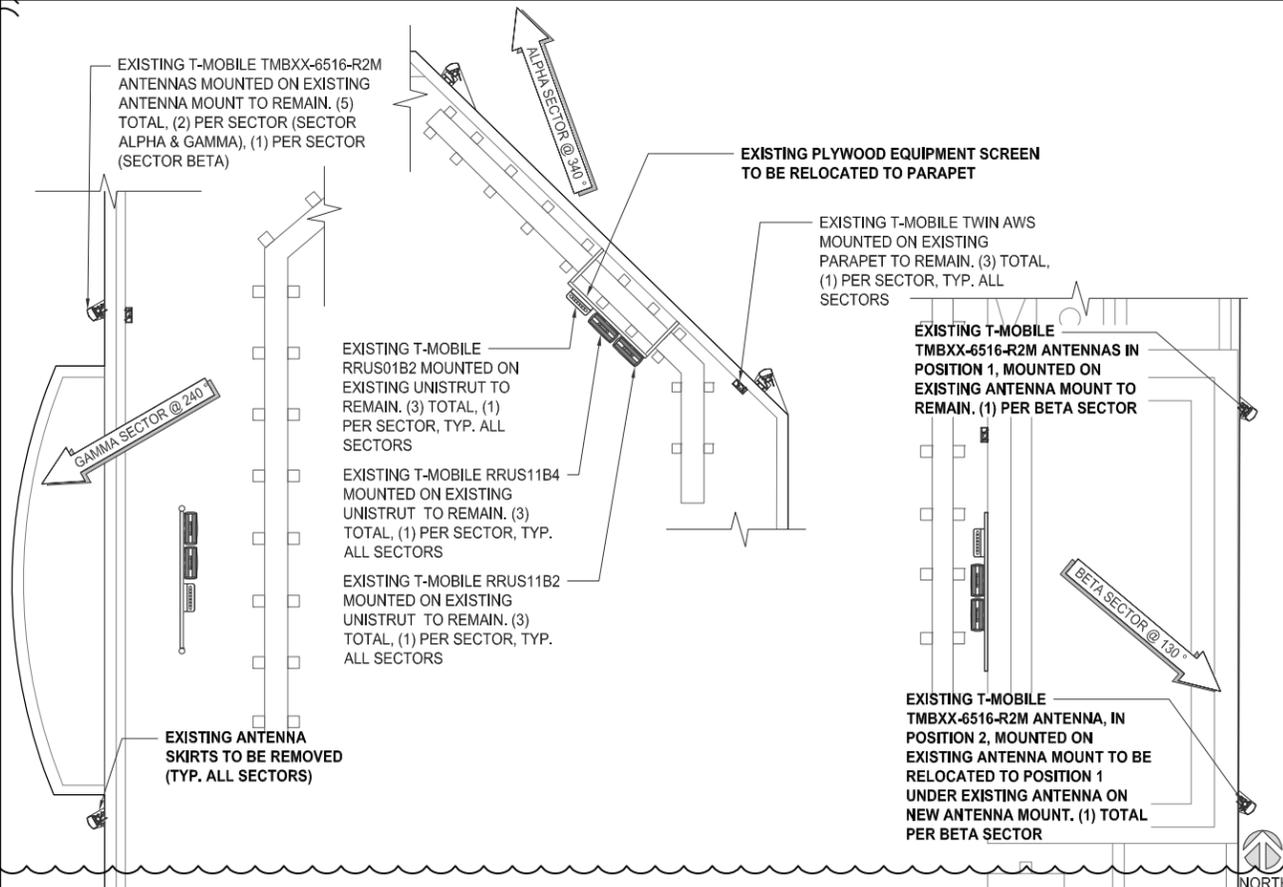
ANTENNA MOUNTING DETAIL

SCALE: 1"=1'-0" (22x34)
(OR) 1/2"=1'-0" (11x17)

EXISTING ANTENNA PLAN

SCALE: 1/4"=1'-0" (22x34)
(OR) 1/8"=1'-0" (11x17)

1



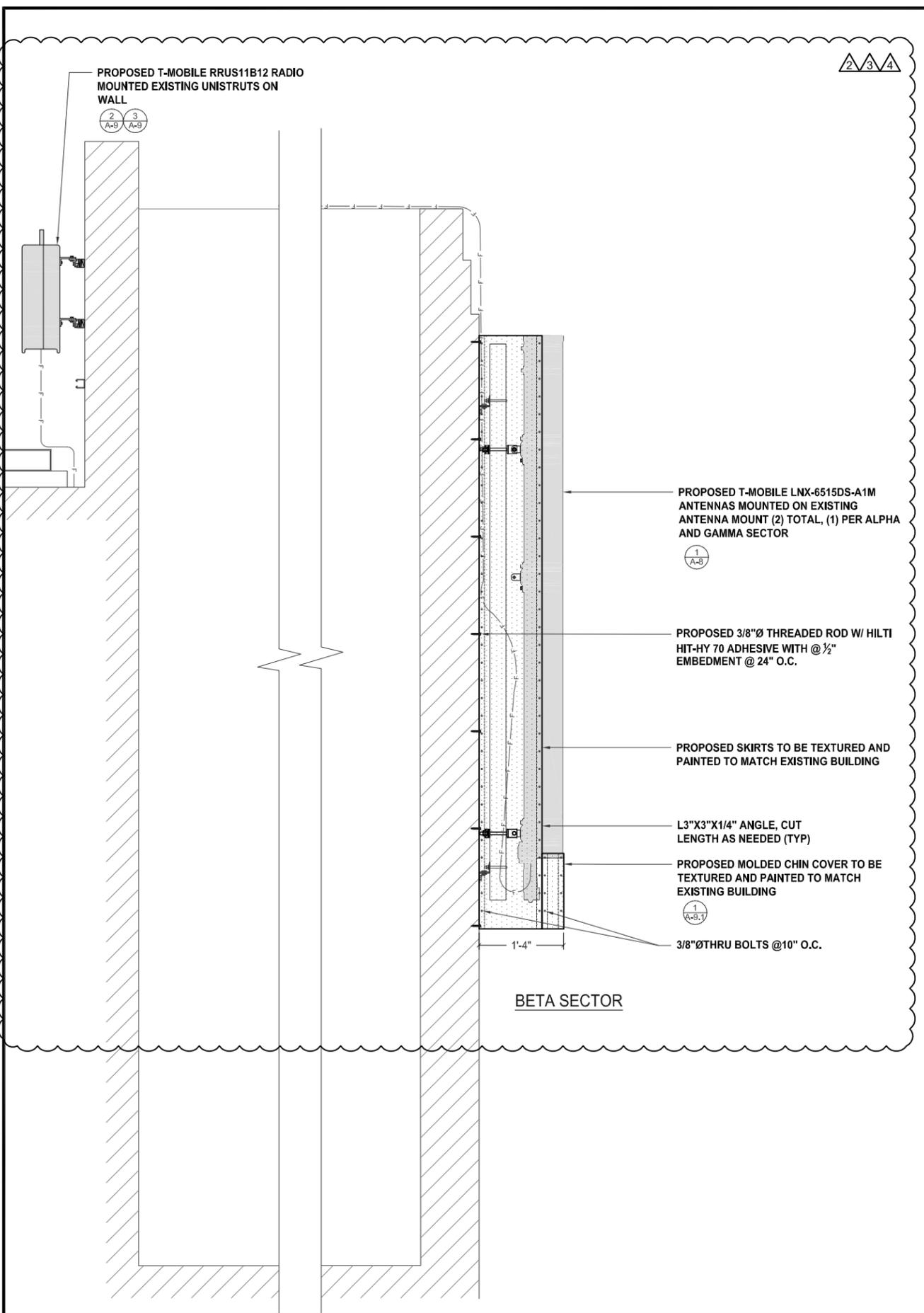
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SHEET TITLE
EXISTING & PROPOSED ANTENNA PLANS, MOUNTING DETAIL & SCHEDULES

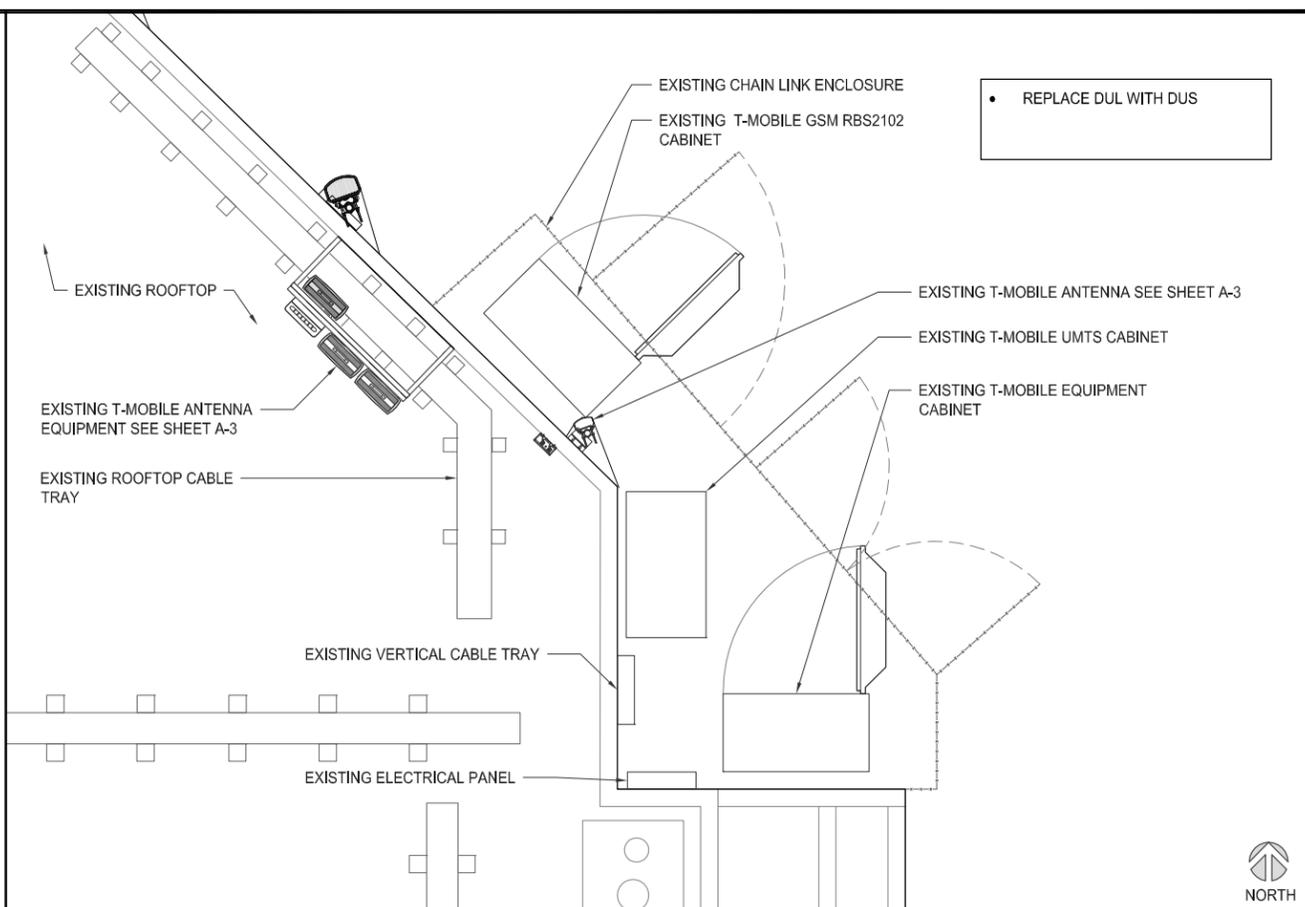
SHEET NUMBER
A-3

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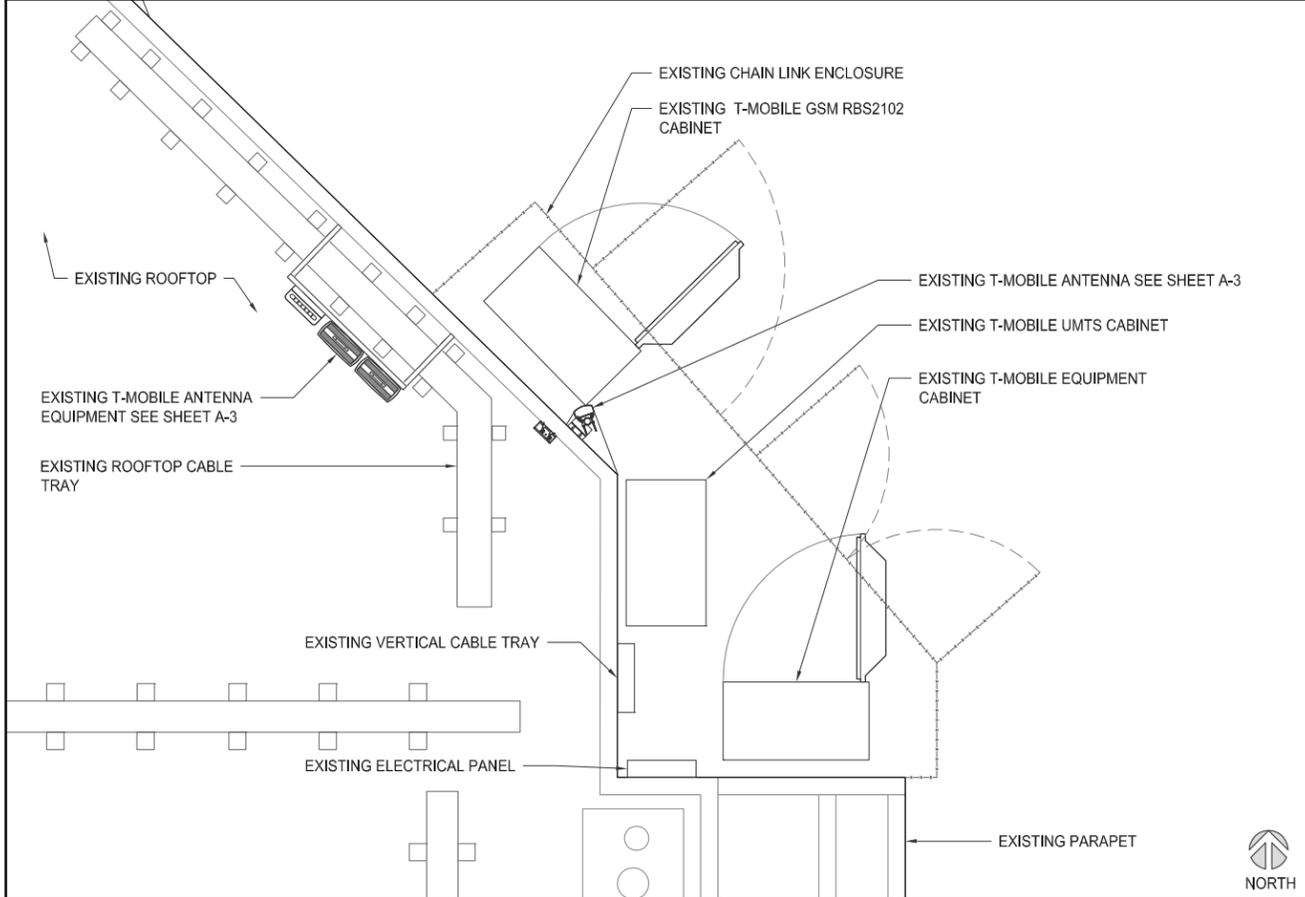
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ANTENNA MOUNTING DETAIL 3



PROPOSED EQUIPMENT PLAN 2

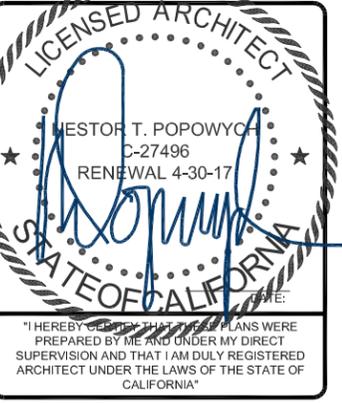


EXISTING EQUIPMENT PLAN 1



| REVISIONS | | | |
|-----------|----------|-------------|----------|
| REV. | DATE | DESCRIPTION | INITIALS |
| 0 | 03/18/16 | 90% CD's | CA |
| 1 | 03/24/16 | 100% CD's | DN |
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| 4 | 10/11/16 | JX COMMENTS | CA |

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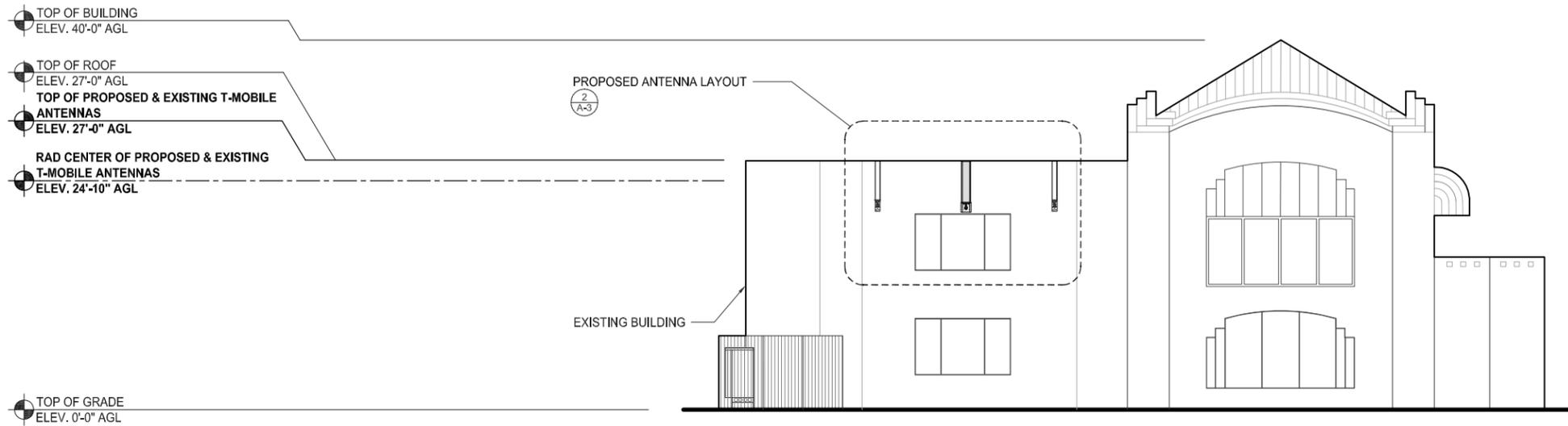
SHEET TITLE
EXISTING & PROPOSED EQUIPMENT PLANS & ANTENNA MOUNTING DETAIL

SHEET NUMBER
A-4

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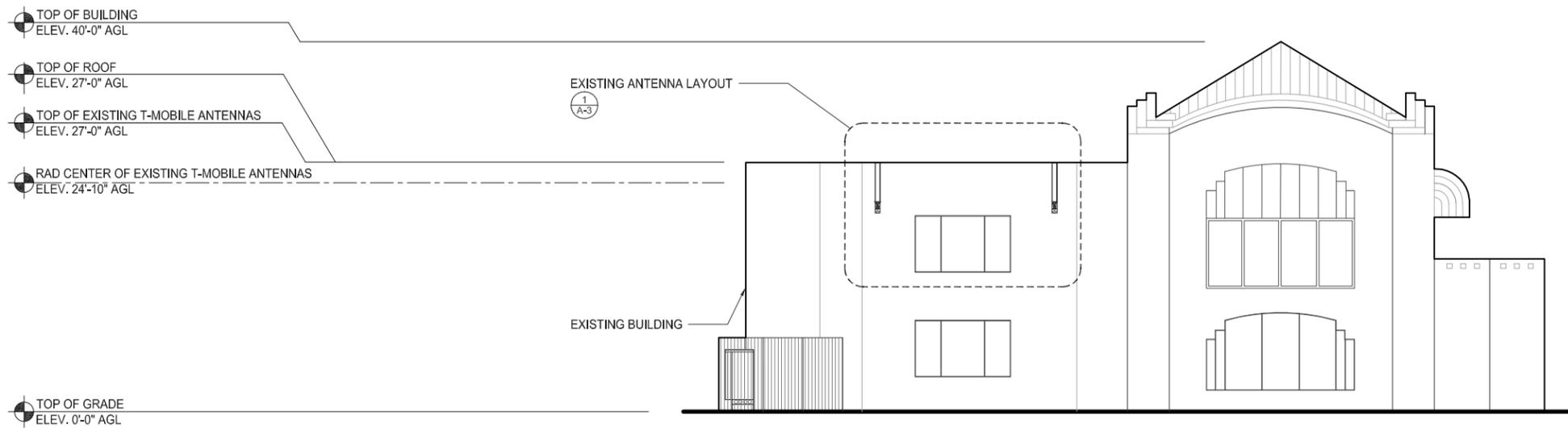
PROPOSED NORTH ELEVATION

0 2' 4' 8' SCALE: 1/8"=1'-0" (22x34)
 (OR) 1/16"=1'-0" (11x17)

2

| REVISIONS | | | |
|-----------|----------|-------------|----------|
| REV. | DATE | DESCRIPTION | INITIALS |
| 0 | 03/18/16 | 90% CD's | CA |
| 1 | 03/24/16 | 100% CD's | DN |
| △ | 07/19/16 | JX COMMENTS | CA |
| △ | 09/08/16 | JX COMMENTS | CA |
| △ | 10/11/16 | JX COMMENTS | CA |

NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET



EXISTING NORTH ELEVATION

0 2' 4' 8' SCALE: 1/8"=1'-0" (22x34)
 (OR) 1/16"=1'-0" (11x17)

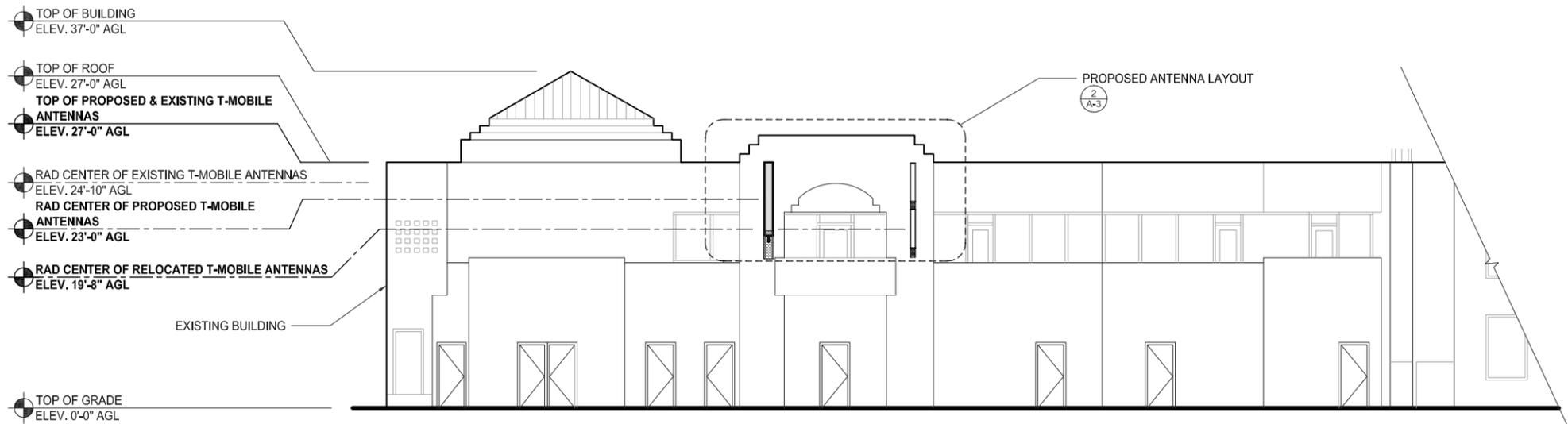
1

LICENSED ARCHITECT
 NESTOR T. POPOWYC
 C-27496
 RENEWAL 4-30-17
 STATE OF CALIFORNIA
 "I HEREBY CERTIFY THAT THE PLANS WERE PREPARED BY ME AND UNDER MY DIRECT SUPERVISION AND THAT I AM DULY REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA"

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SHEET TITLE
 EXISTING & PROPOSED
 NORTH ELEVATIONS

SHEET NUMBER
 A-5



PROPOSED EAST ELEVATION

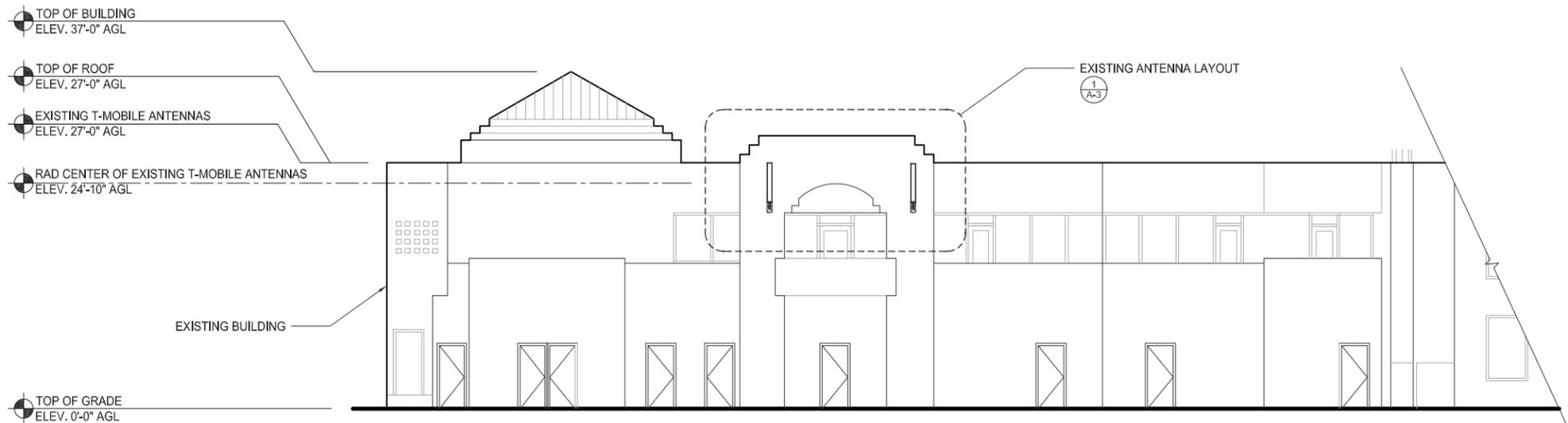


SCALE: 1/8"=1'-0" (22x34)
(OR) 1/16"=1'-0" (11x17)

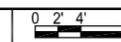
2

| REVISIONS | | | |
|-----------|----------|-------------|----------|
| REV. | DATE | DESCRIPTION | INITIALS |
| 0 | 03/18/16 | 90% CD's | CA |
| 1 | 03/24/16 | 100% CD's | DN |
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| △ | 09/08/16 | JX COMMENTS | CA |
| △ | 10/11/16 | JX COMMENTS | CA |

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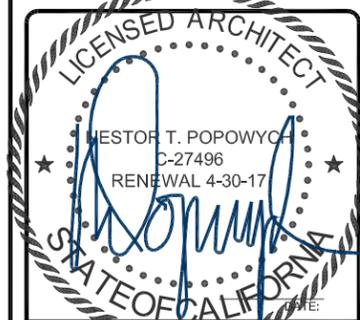


EXISTING EAST ELEVATION



SCALE: 1/8"=1'-0" (22x34)
(OR) 1/16"=1'-0" (11x17)

1



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IMPERIAL BEACH, CA 91932

SHEET TITLE
**EXISTING & PROPOSED
EAST ELEVATIONS**

SHEET NUMBER
A-6

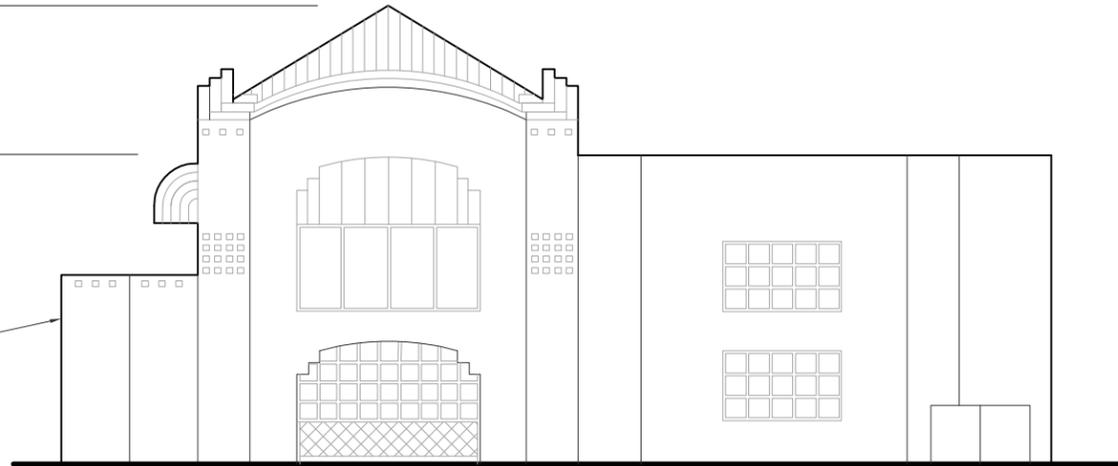
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TOP OF BUILDING
ELEV. 40'-0" AGL

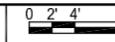
TOP OF ROOF
ELEV. 27'-0" AGL

TOP OF GRADE
ELEV. 0'-0" AGL

EXISTING BUILDING



PROPOSED SOUTH ELEVATION



SCALE: 1/8"=1'-0" (22x34)
(OR) 1/16"=1'-0" (11x17)

2

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| △ | 10/11/16 | JX COMMENTS | CA |
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| | | | |

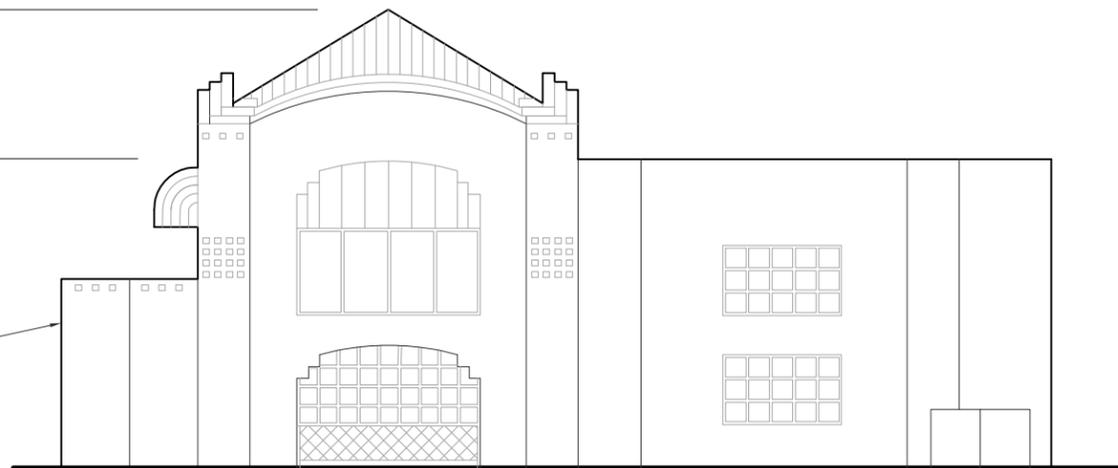
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TOP OF BUILDING
ELEV. 40'-0" AGL

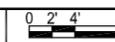
TOP OF ROOF
ELEV. 27'-0" AGL

TOP OF GRADE
ELEV. 0'-0" AGL

EXISTING BUILDING

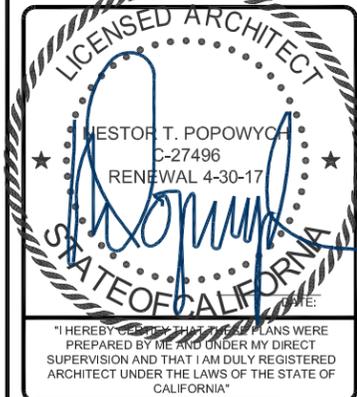


EXISTING SOUTH ELEVATION



SCALE: 1/8"=1'-0" (22x34)
(OR) 1/16"=1'-0" (11x17)

1



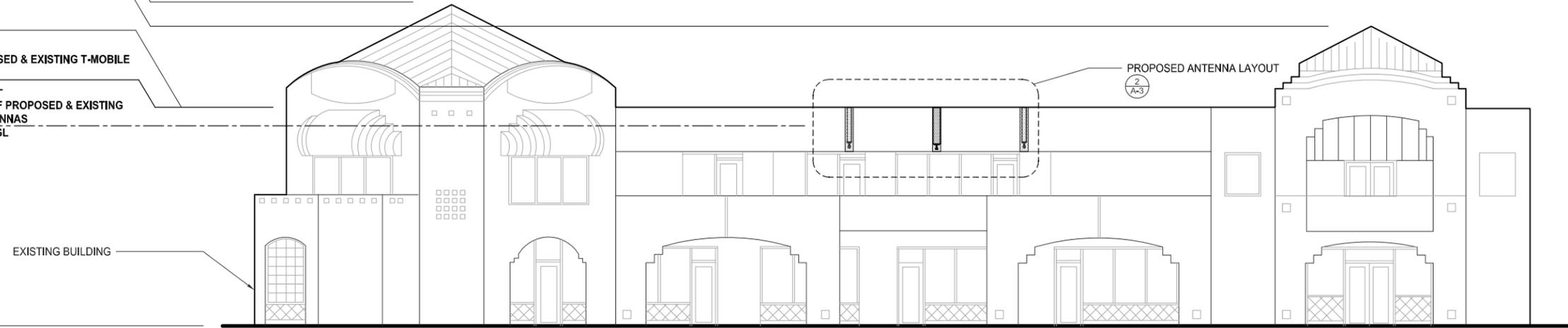
SD052
SD06052A
600 PALM AVE
IMPERIAL BEACH, CA 91932

SHEET TITLE
**EXISTING & PROPOSED
SOUTH ELEVATIONS**

SHEET NUMBER
A-7

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO CARRIER SERVICES IS STRICTLY PROHIBITED.

- TOP OF BUILDING
ELEV. 40'-0" AGL
- TOP OF BUILDING
ELEV. 37'-0" AGL
- TOP OF ROOF
ELEV. 27'-0" AGL
- TOP OF PROPOSED & EXISTING T-MOBILE
ANTENNAS
ELEV. 27'-0" AGL
- RAD CENTER OF PROPOSED & EXISTING
T-MOBILE ANTENNAS
ELEV. 24'-10" AGL
- TOP OF GRADE
ELEV. 0'-0" AGL



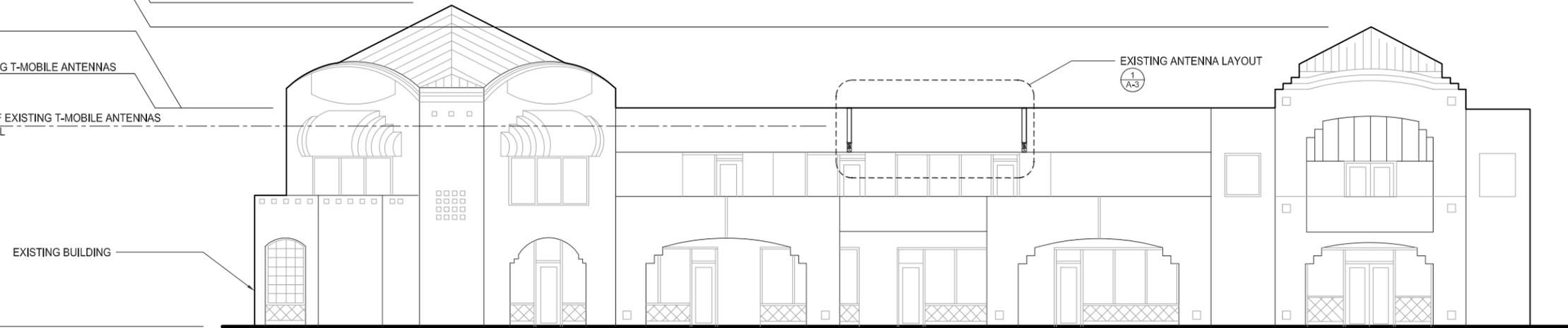
PROPOSED WEST ELEVATION



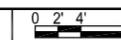
SCALE: 1/8"=1'-0" (22x34)
(OR) 1/16"=1'-0" (11x17)

2

- TOP OF BUILDING
ELEV. 40'-0" AGL
- TOP OF BUILDING
ELEV. 37'-0" AGL
- TOP OF ROOF
ELEV. 27'-0" AGL
- TOP OF EXISTING T-MOBILE ANTENNAS
ELEV. 27'-0" AGL
- RAD CENTER OF EXISTING T-MOBILE ANTENNAS
ELEV. 24'-10" AGL
- TOP OF GRADE
ELEV. 0'-0" AGL



EXISTING WEST ELEVATION



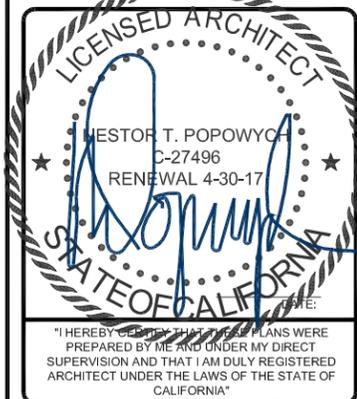
SCALE: 1/8"=1'-0" (22x34)
(OR) 1/16"=1'-0" (11x17)

1



| REVISIONS | | | |
|-----------|----------|-------------|----------|
| REV. | DATE | DESCRIPTION | INITIALS |
| 0 | 03/18/16 | 90% CD's | CA |
| 1 | 03/24/16 | 100% CD's | DN |
| 2 | 07/19/16 | JX COMMENTS | CA |
| 3 | 09/08/16 | JX COMMENTS | CA |
| 4 | 10/11/16 | JX COMMENTS | CA |

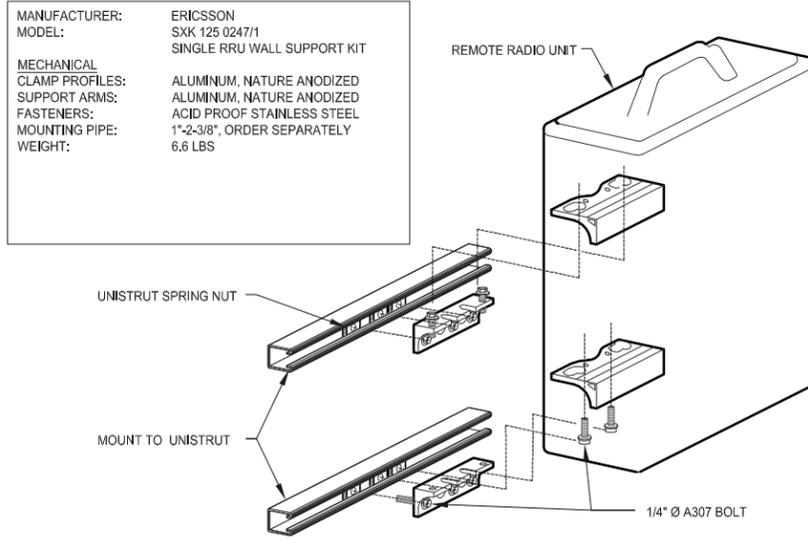
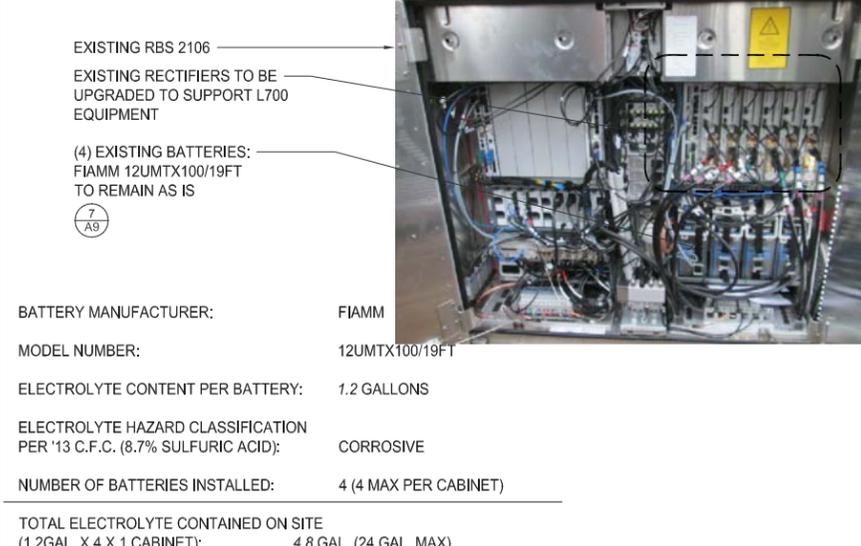
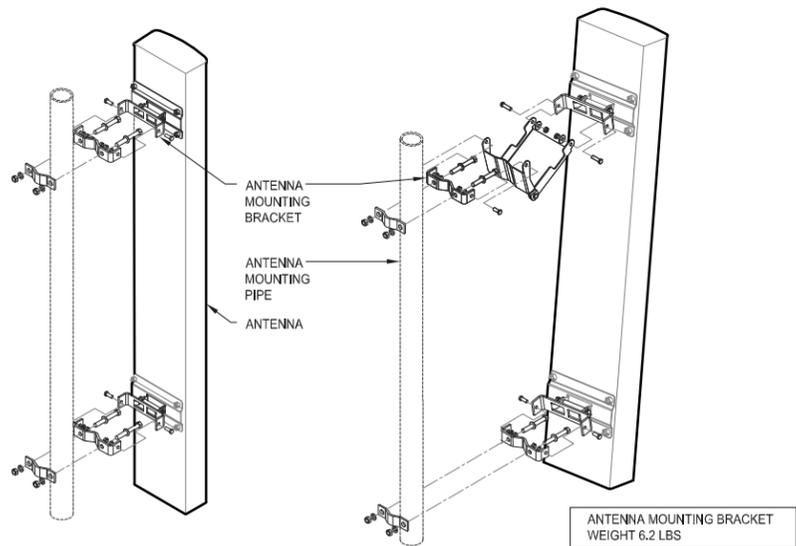
NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET



SD052
SD06052A
600 PALM AVE
IMPERIAL BEACH, CA 91932

SHEET TITLE
**EXISTING & PROPOSED
WEST ELEVATIONS**

SHEET NUMBER
A-8



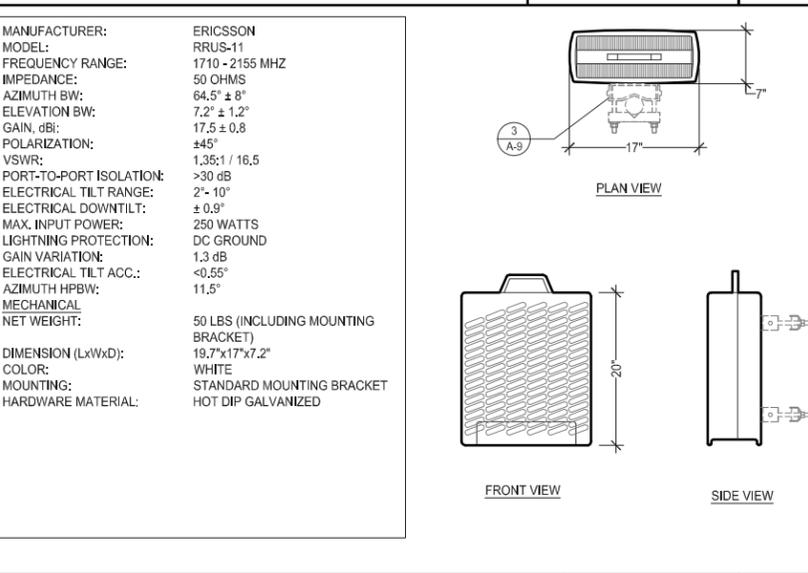
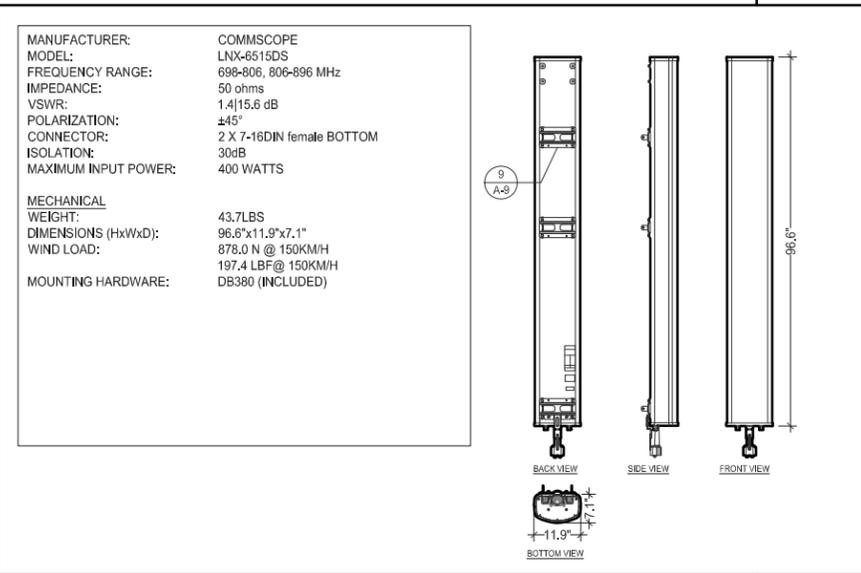
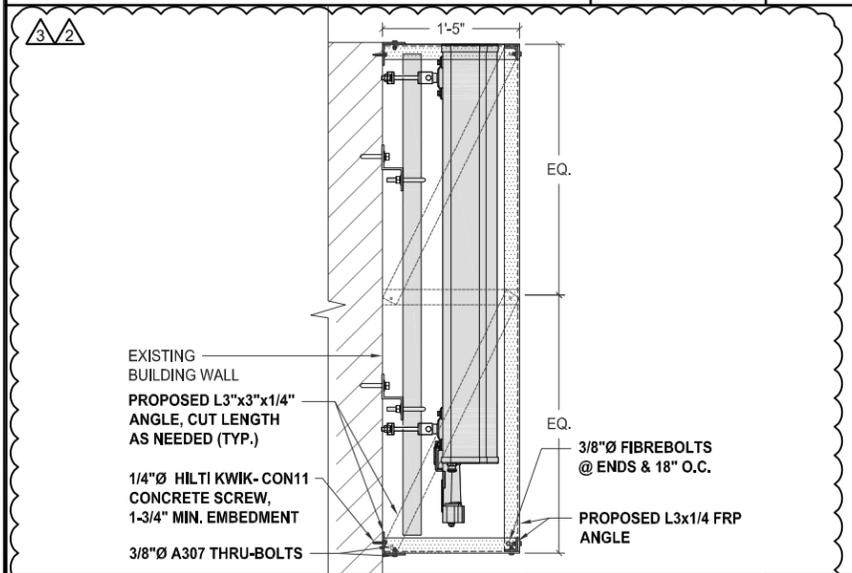
T-Mobile
10509 VISTA SORRENTO PKWY #206
SAN DIEGO, CA 92121
T-MOBILE.COM

SOC WIRELESS
5015 SHOREHAM PL.
SUITE 150
SAN DIEGO, CA 92122
www.socw.com
619.736.3766

DB380 - ANTENNA MOUNTING BRACKET 1"=1'-0" (22x34) 9
1/2"=1'-0" (11x17)

EXISTING EQUIPMENT SPECIFICATION 6

WALL MOUNTED RADIO 1-1/2"=1'-0" (22x34) 3
3/4"=1'-0" (11x17)



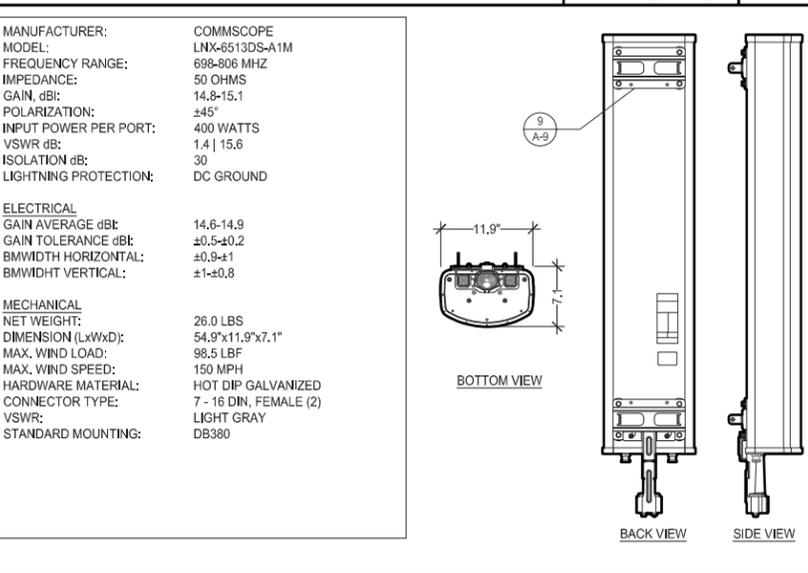
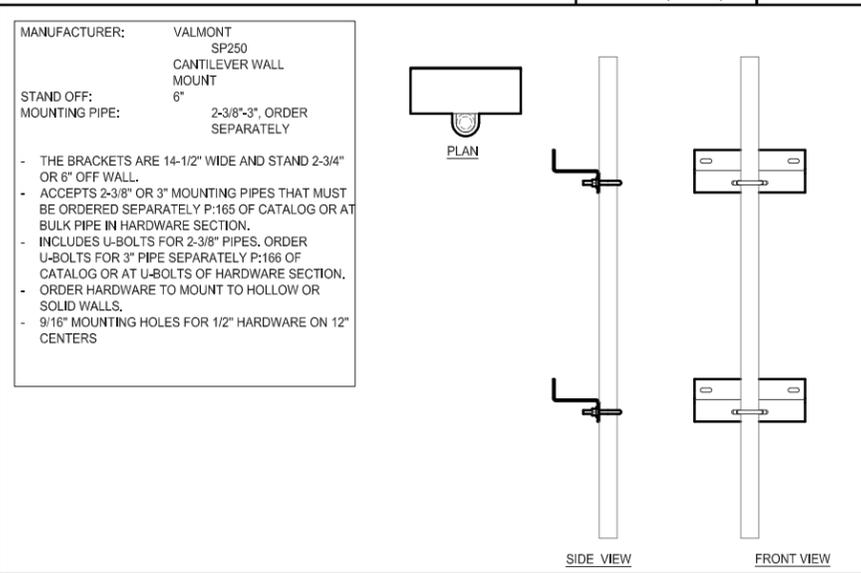
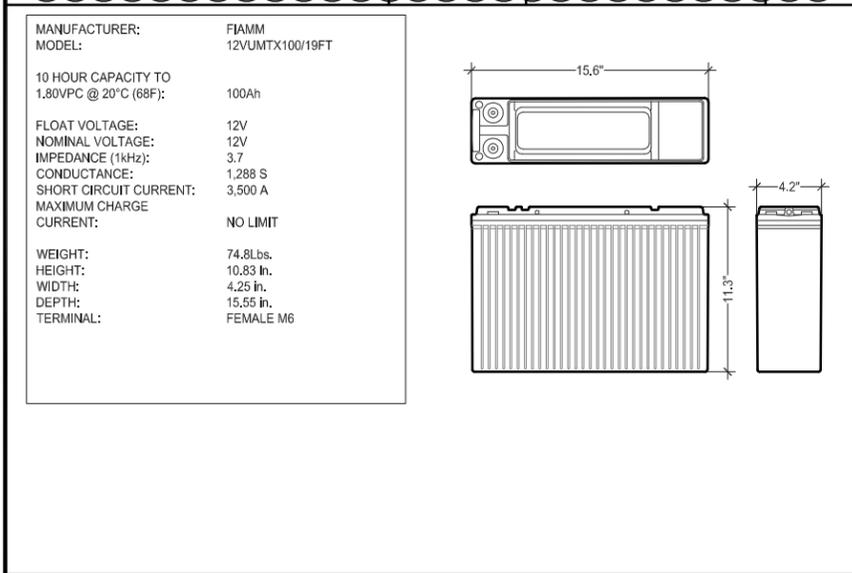
| REVISIONS | | | |
|-----------|----------|-------------|----------|
| REV. | DATE | DESCRIPTION | INITIALS |
| 0 | 03/18/16 | 90% CD's | CA |
| 1 | 03/24/16 | 100% CD's | DN |
| 2 | 07/19/16 | JX COMMENTS | CA |
| 3 | 09/08/16 | JX COMMENTS | CA |
| 4 | 10/11/16 | JX COMMENTS | CA |

NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET

NEW FRP BOX 0 2" 4" 8" SCALE: 1-1/2"=1'-0" (22x34) 8
(OR) 3/4"=1'-0" (11x17)

LNX-6515DS-A1M ANTENNA 1/2"=1'-0" (22x34) 5
1/4"=1'-0" (11x17)

RRUS11 B12 1"=1'-0" (22x34) 2
1/2"=1'-0" (11x17)



LICENSED ARCHITECT
WESTOR T. POPOWY
C-27496
RENEWAL 4-30-17
STATE OF CALIFORNIA

"I HEREBY CERTIFY THAT THE PLANS WERE PREPARED BY ME AND UNDER MY DIRECT SUPERVISION AND THAT I AM DULY REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA"

SD052
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SHEET TITLE
EQUIPMENT DETAILS & SPECIFICATIONS

SHEET NUMBER
A-9

BATTERY 2"=1'-0" (22x34) 7
1"=1'-0" (11x17)

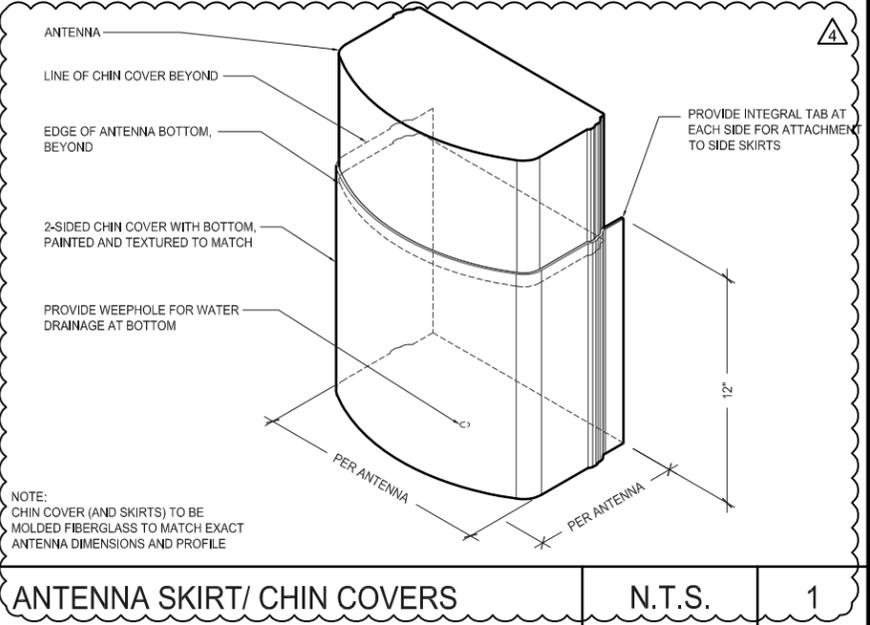
CANTILEVER WALL MOUNT 1"=1'-0" (22x34) 4
1/2"=1'-0" (11x17)

LNX-6513DS-A1M 1"=1'-0" (22x34) 1
1/2"=1'-0" (11x17)

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO CARRIER SERVICES IS STRICTLY PROHIBITED.

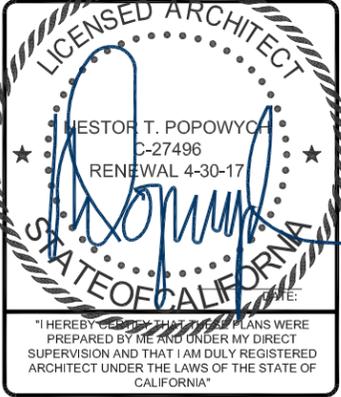
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| | | | | |
|----------|---|----------|---|----------------------------|
| | | | | |
| NOT USED | 9 | NOT USED | 6 | NOT USED |
| | | | | |
| NOT USED | 8 | NOT USED | 5 | NOT USED |
| | | | | |
| NOT USED | 7 | NOT USED | 4 | ANTENNA SKIRT/ CHIN COVERS |



| REVISIONS | | | |
|-----------|----------|-------------|----------|
| REV. | DATE | DESCRIPTION | INITIALS |
| 0 | 03/18/16 | 90% CD's | CA |
| 1 | 03/24/16 | 100% CD's | DN |
| 2 | 07/19/16 | JX COMMENTS | CA |
| 3 | 09/08/16 | JX COMMENTS | CA |
| 4 | 10/11/16 | JX COMMENTS | CA |

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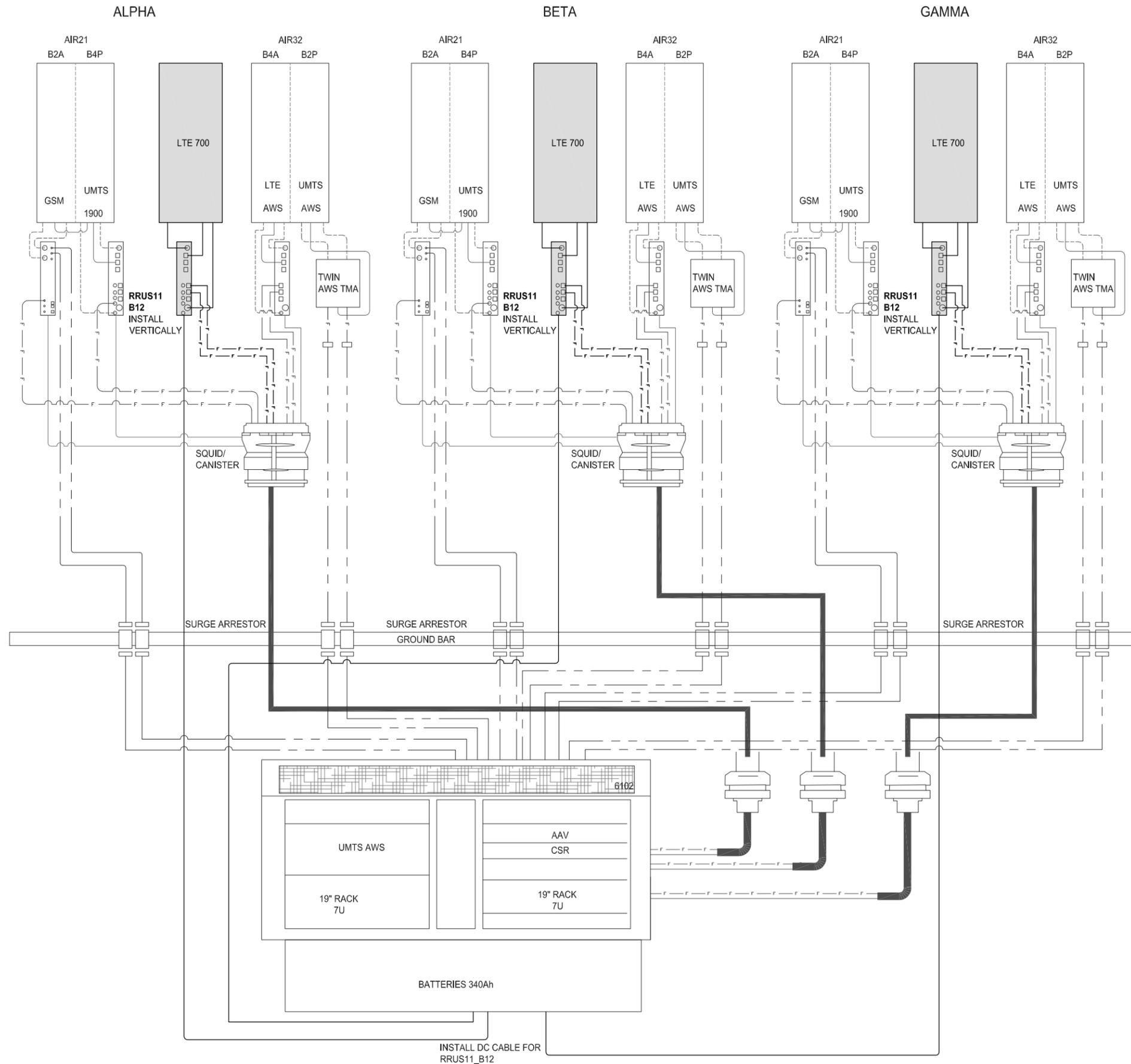
SD052
SD06052A
600 PALM AVE
IMPERIAL BEACH, CA 91932

SHEET TITLE
EQUIPMENT DETAILS & SPECIFICATIONS

SHEET NUMBER
A-9.1

N.T.S. 1

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EQUIPMENT CONFIGURATION

SCALE
N.T.S. 1

T-Mobile
 10509 VISTA SORRENTO PKWY #206
 SAN DIEGO, CA 92121
 T-MOBILE.COM

SOC WIRELESS
 5015 SHOREHAM PL.
 SUITE 150
 SAN DIEGO, CA 92122
 www.socw.com
 619.736.3766



REVISIONS

| REV. | DATE | DESCRIPTION | INITIALS |
|------|----------|-------------|----------|
| 0 | 03/18/16 | 90% CD's | CA |
| 1 | 03/24/16 | 100% CD's | DN |
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| 3 | 09/08/16 | JX COMMENTS | CA |
| 4 | 10/11/16 | JX COMMENTS | CA |

NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET

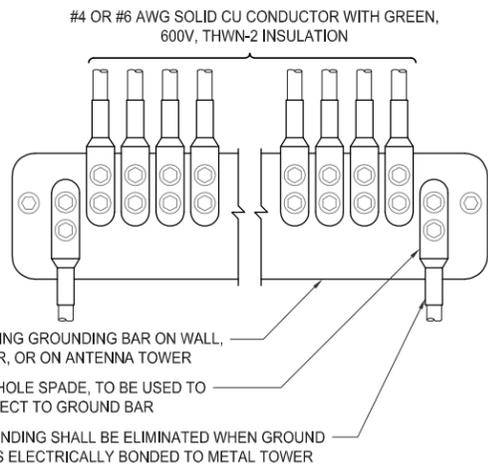
LICENSED ARCHITECT
 NESTOR T. POPOWYC
 C-27496
 RENEWAL 4-30-17
 STATE OF CALIFORNIA
 "I HEREBY CERTIFY THAT THE PLANS WERE PREPARED BY ME AND UNDER MY DIRECT SUPERVISION AND THAT I AM DULY REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA"

SD052
 SD06052A
 600 PALM AVE
 IMPERIAL BEACH, CA 91932

SHEET TITLE
 EQUIPMENT CONFIGURATION

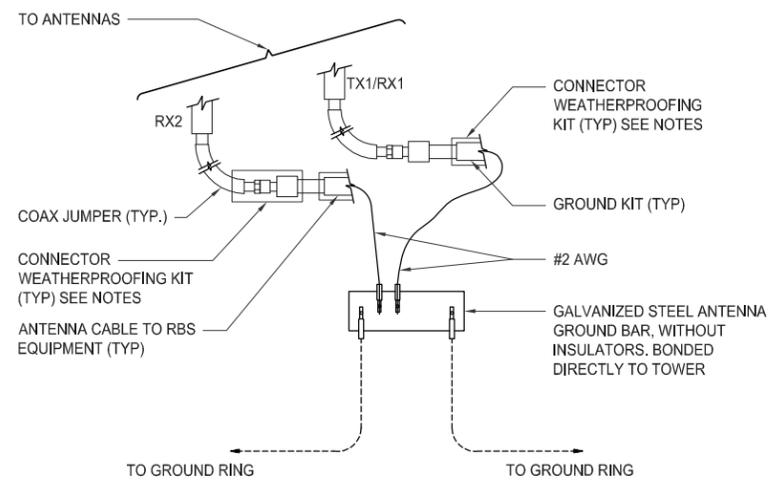
SHEET NUMBER
 A-10

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO CARRIER SERVICES IS STRICTLY PROHIBITED.

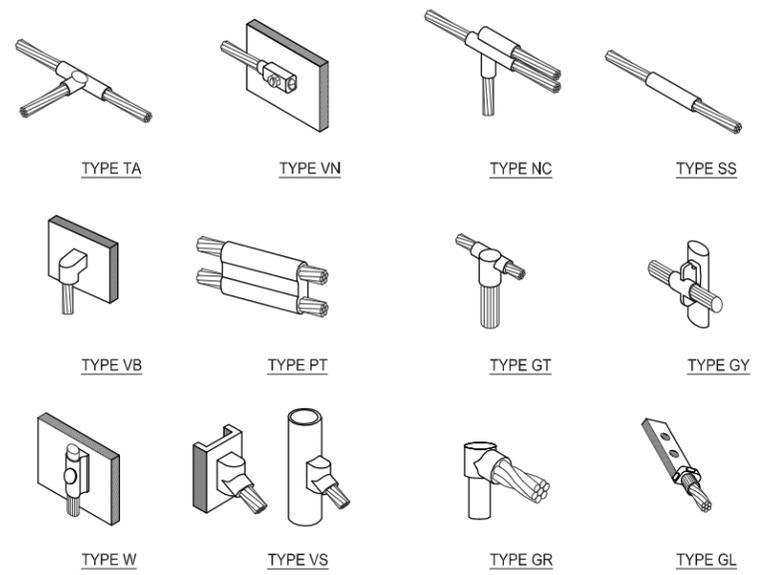


1. APPLY NO-OX TO LUG AND BAR CONTACT SURFACE. DO NOT COAT INLINE LUG.
2. IF STOLEN GROUND BARS ARE ENCOUNTERED, CONTACT T-MOBILE CM FOR REPLACEMENT THREADED ROD KIT.

WIRE INSTALLATION SCALE N.T.S. 6



GROUND CABLE CONNECTION SCALE N.T.S. 5



EXOTHERMIC WELD CONNECTIONS SCALE N.T.S. 4

- ① ANTENNA GROUND BUS BAR NEAR ANTENNA MOUNTS WITH COAX GROUND KIT. SEE DETAIL 5/G-1.
- ② EQUIPMENT GROUND BUS BAR NEAR EQUIPMENT WITH COAX GROUND KIT. SEE DETAIL 6/G-1.
- ③ #6 AWG GROUND FROM ANTENNA GROUND BUS BAR TO TIE INTO EXISTING GROUNDING SYSTEM (TYP OF (2) PLACES). SEE DETAIL 6/G-1.
- ④ #6 AWG GROUND FROM ANTENNAS TO ANTENNA GROUND BUS BAR. SEE DETAIL 5/G-1.
- ⑤ #6 AWG GROUND FROM RADIOS TO ANTENNA GROUND BUS BAR. SEE DETAIL 5/G-1.
- ⑥ #6 AWG GROUND MMBTS GROWTH CABINET TO EQUIPMENT GROUND BUS BAR. SEE DETAIL 6/G-1.
- ⑦ #6 AWG GROUND FROM NEW GROUND BUS BAR TO TIE INTO EXISTING GROUNDING SYSTEM (TYP OF (2) PLACES). SEE DETAIL 4/G-1.

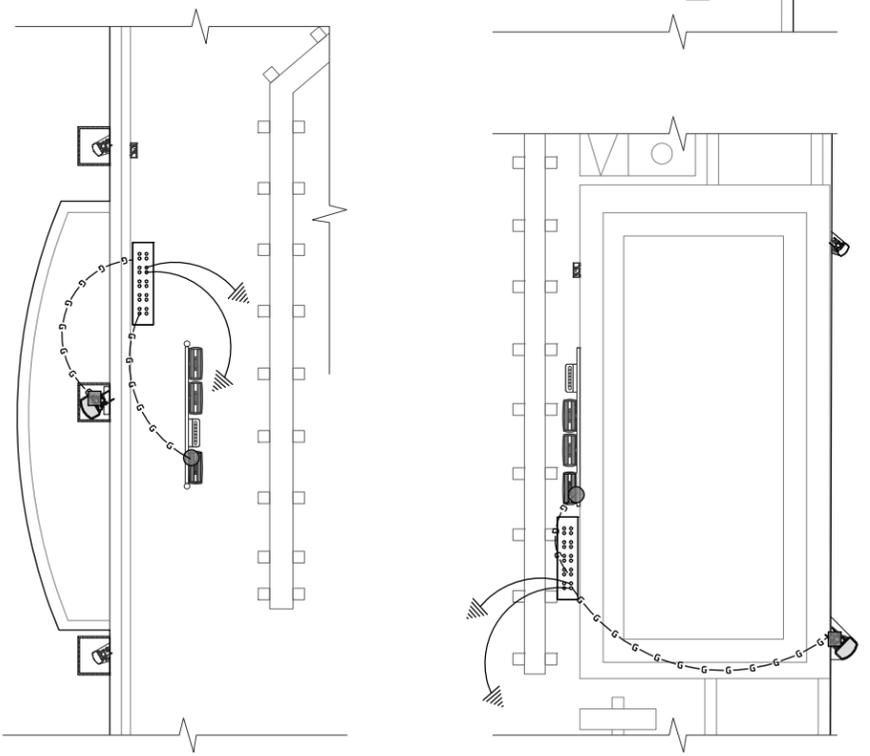
GROUNDING LEGEND

| SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION |
|--------|---|--------|----------------|
| ⊗ | COPPER GROUND ROD | ⊗ | TEST WELL |
| ● | MECHANICAL CONNECTION | ⊠ | GROUND BAR |
| ■ | CADWELD CONNECTION | — G — | GROUNDING WIRE |
| ⚡ | FIELD VERIFY & TIE INTO EXISTING GROUNDING SYSTEM | | |

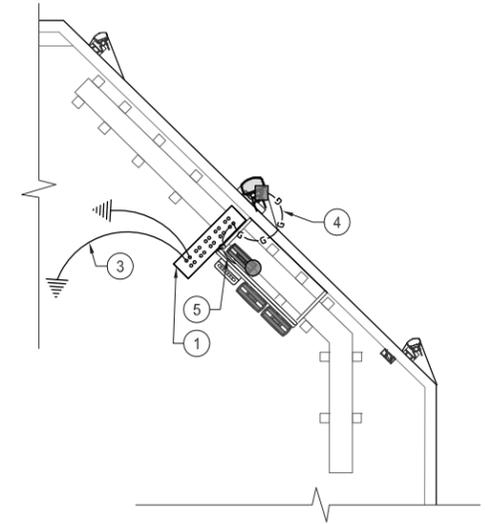
GROUNDING KEY SCALE N.T.S. 3

1. ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL INSTALLATION AND CONSTRUCTION MAY VARY DUE TO SITE SPECIFIC CONDITIONS.
2. GROUND ALL ANTENNA BASES, FRAMES, CABLE RUNS, AND OTHER METALLIC COMPONENTS USING GROUND WIRES AND CONNECT TO SURFACE MOUNTED BUS BARS. FOLLOW ANTENNA AND BTS MANUFACTURERS PRACTICES FOR GROUNDING REQUIREMENTS. GROUND COAX SHIELDS AT BOTH ENDS AND EXIT FROM TOWER OR POLE USING MFR'S PRACTICES.
3. ALL GROUND WIRE SHALL BE GREEN INSULATED WIRE ABOVE GROUND.
4. CONTRACTOR TO VERIFY AND TEST GROUND TO SOURCE. GROUNDING AND OTHER OPERATIONAL TESTING WILL BE WITNESSED BY A T-MOBILE REPRESENTATIVE.
5. REFER TO DIVISION 16 GENERAL ELECTRIC; GENERAL ELECTRICAL PROVISION AND COMPLY WITH ALL REQUIREMENTS OF GROUNDING STANDARDS.
6. CONTRACTOR TO ABIDE BY ALL T-MOBILE SAFETY STANDARDS DURING SITE CONSTRUCTION.
7. CONTRACTOR SHALL REFER TO T-MOBILE STANDARDS FOR GROUNDING CONNECTIONS & INSTALLATION METHODS.
8. ELECTRICAL CONTRACTOR TO PROVIDE DETAILED DESIGN OF GROUNDING SYSTEM, AND RECEIVE APPROVAL OF DESIGN BY AUTHORIZED T-MOBILE REPRESENTATIVE, PRIOR TO INSTALLATION OF GROUNDING SYSTEM. PHOTO DOCUMENT ALL CADWELDS AND GROUND RING.
9. NOTIFY CONSTRUCTION MANAGER IF THERE ARE ANY DIFFICULTIES INSTALLING GROUNDING SYSTEM DUE TO SITE SOIL CONDITIONS.
10. GROUNDING ROD NOTES (WHERE APPLICABLE)
11. ELECTRICAL CONTRACTOR SHALL ORDER GROUND RESISTANCE TESTING ONCE THE GROUND SYSTEM HAS BEEN INSTALLED; A QUALIFIED INDIVIDUAL, UTILIZING THE FALL OF POTENTIAL METHOD, SHOULD PERFORM THE TEST. THE REPORT WILL SHOW THE LOCATION OF THE TEST AND CONTAIN NO LESS THAN 9 TEST POINTS ALONG THE TESTING LINE, GRAPHED OUT TO SHOW THE PLATEAU.
12. POINT GROUND TEST OR 3 POINT 62% TESTS WILL NOT BE ACCEPTED AS ALTERNATIVES TO THE AFORE MENTIONED GROUND TESTS. TEST SHALL BE PERFORMED WHILE THE COUNTERPOISE IS ISOLATED. TEST SHALL BE PERFORMED WHILE THE COUNTERPOISE IS ISOLATED FROM THE A/C SYSTEM GRIDS AND EXISTING COMMUNICATIONS FACILITY.

GENERAL GROUNDING NOTES SCALE N.T.S. 2



SCHEMATIC ANTENNA GROUNDING PLAN SCALE: 1/4"=1'-0" (22x34) (OR) 1/8"=1'-0" (11x17) 1



| REVISIONS | | | |
|-----------|----------|-------------|----------|
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| 0 | 03/18/16 | 90% CD's | CA |
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| 3 | 09/08/16 | JX COMMENTS | CA |
| 4 | 10/11/16 | JX COMMENTS | CA |

NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET



"I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME AND UNDER MY DIRECT SUPERVISION AND THAT I AM DULY REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA"

SD052
SD06052A
600 PALM AVE
IMPERIAL BEACH, CA 91932

SHEET TITLE
SCHEMATIC GROUNDING PLANS, NOTES & DETAILS

SHEET NUMBER
G-1

VICINITY MAP
PHOTOSIMULATION VIEWPOINTS



DISCLAIMER:
THIS PHOTOSIMULATION IS INTENDED AS A GRAPHICAL REPRESENTATION OF EXISTING AND PROPOSED SITE CONDITIONS BASED ON THE PROJECT / DRAWING PLANS. IT IS NOT INTENDED FOR CONSTRUCTION. ACTUAL, FINAL CONSTRUCTION MAY VARY

PHOTOSIMULATION VIEW 1

EXISTING

NOTE:
 EXISTING EQUIPMENT MOUNTED ON EXISTING BUILDING ROOFTOP (NOT VISIBLE IN CURRENT VIEW)

- EXISTING T-MOBILE TMAS TO REMAIN (3) TOTAL
- EXISTING T-MOBILE RRUS TO REMAIN (9) TOTAL

EXISTING T-MOBILE PANEL ANTENNAS TO REMAIN (5) TOTAL, (2) PER ALPHA & GAMMA SECTOR AND (1) PER BETA SECTOR

EXISTING T-MOBILE ANTENNA SKIRTS TO BE REMOVED, TYP. ALL SECTORS

ALPHA SECTOR

NEW

NOTE:
 PROPOSED & EXISTING EQUIPMENT ON EXISTING BUILDING ROOFTOP (NOT VISIBLE IN CURRENT VIEW)

- PROPOSED T-MOBILE RRUS, (3) TOTAL, (1) PER SECTOR TYP. ALL SECTORS
- PROPOSED FRP BOXES TO BE TEXTURED AND PAINTED TO MATCH EXISTING BUILDING, TYP. ALL SECTORS

EXISTING T-MOBILE PANEL ANTENNAS WITHIN PROPOSED FRP BOXES (5) TOTAL, (2) PER ALPHA & GAMMA SECTOR AND (1) PER BETA SECTOR

PROPOSED T-MOBILE PANEL ANTENNAS WITHIN PROPOSED FRP BOXES, (3) TOTAL, (1) PER SECTOR, TYP. ALL SECTORS

ALPHA SECTOR



PHOTOSIMULATION VIEW 2

EXISTING

NOTE:
 EXISTING EQUIPMENT MOUNTED ON EXISTING BUILDING
 ROOFTOP (NOT VISIBLE IN CURRENT VIEW)

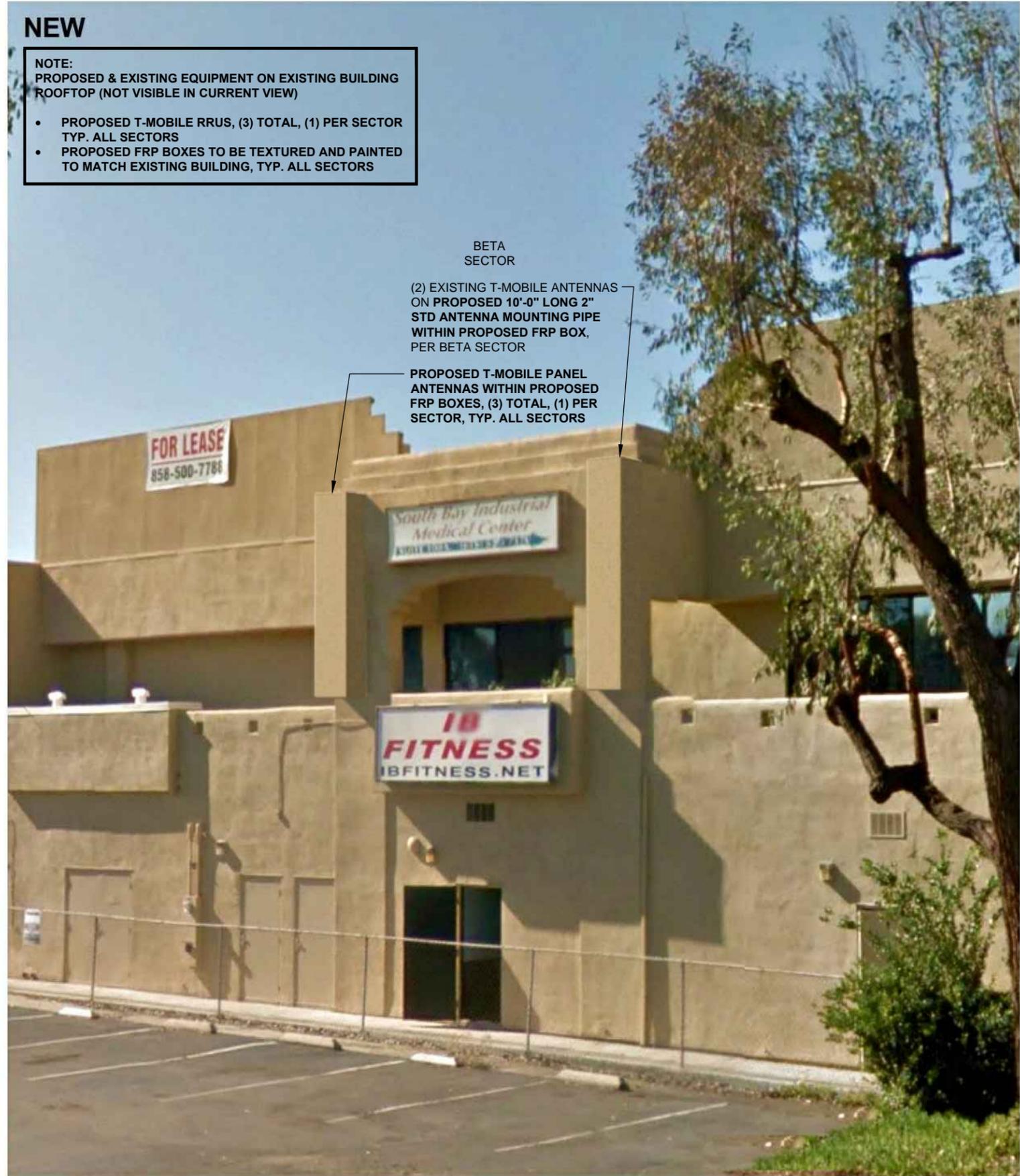
- EXISTING T-MOBILE TMAS TO REMAIN (3) TOTAL
- EXISTING T-MOBILE RRUS TO REMAIN (9) TOTAL



NEW

NOTE:
 PROPOSED & EXISTING EQUIPMENT ON EXISTING BUILDING
 ROOFTOP (NOT VISIBLE IN CURRENT VIEW)

- PROPOSED T-MOBILE RRUS, (3) TOTAL, (1) PER SECTOR TYP. ALL SECTORS
- PROPOSED FRP BOXES TO BE TEXTURED AND PAINTED TO MATCH EXISTING BUILDING, TYP. ALL SECTORS



PHOTOSIMULATION VIEW 3

EXISTING

NOTE:
EXISTING EQUIPMENT MOUNTED ON EXISTING BUILDING
ROOFTOP (NOT VISIBLE IN CURRENT VIEW)

- EXISTING T-MOBILE TMAS TO REMAIN (3) TOTAL
- EXISTING T-MOBILE RRUS TO REMAIN (9) TOTAL

EXISTING T-MOBILE PANEL ANTENNAS
TO REMAIN (5) TOTAL, (2) PER ALPHA &
GAMMA SECTOR AND (1) PER BETA
SECTOR

EXISTING T-MOBILE ANTENNA
SKIRTS TO BE REMOVED,
TYP. ALL SECTORS

GAMMA
SECTOR

FOR LEASE
858-500-7788

NEW

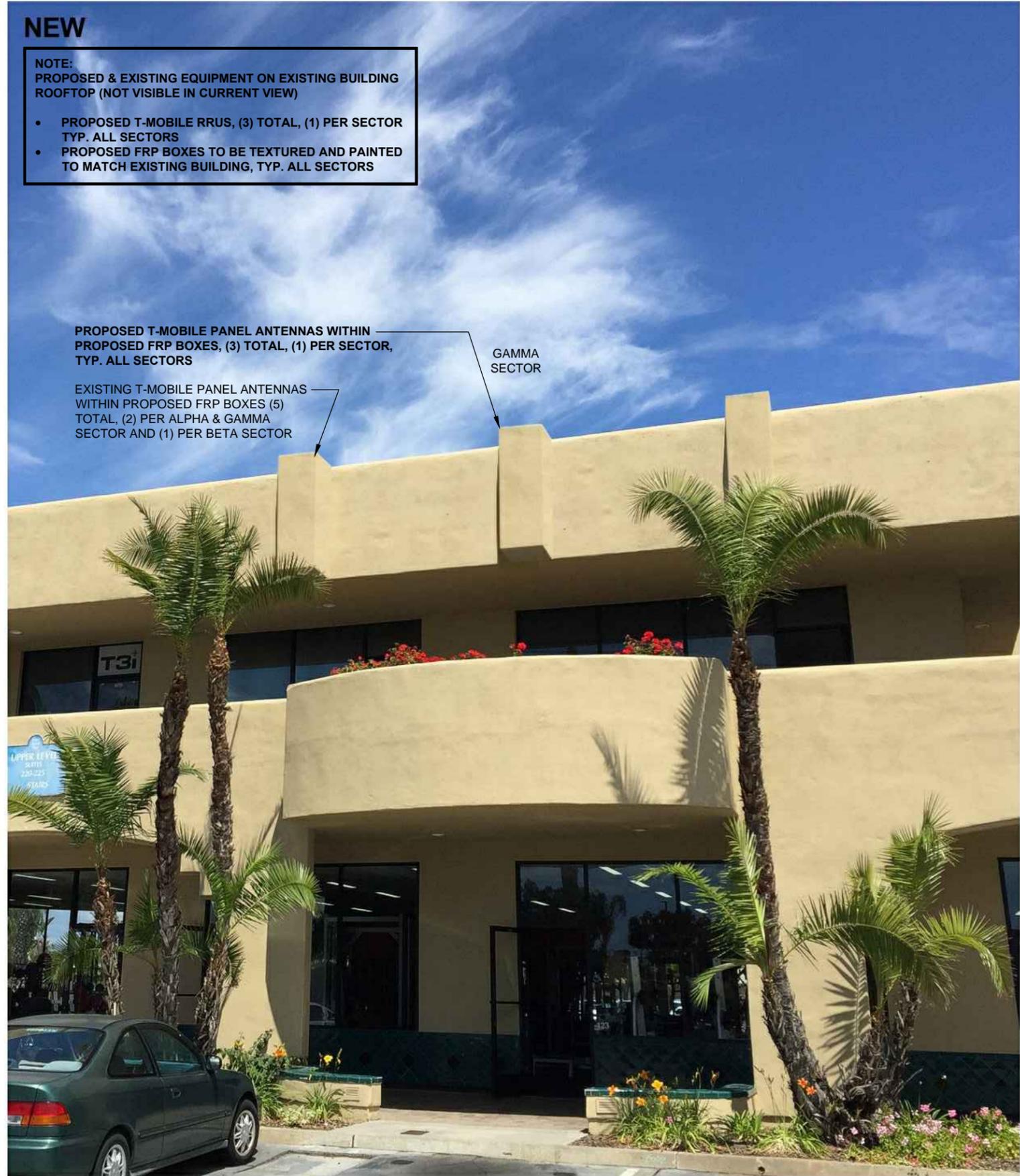
NOTE:
PROPOSED & EXISTING EQUIPMENT ON EXISTING BUILDING
ROOFTOP (NOT VISIBLE IN CURRENT VIEW)

- PROPOSED T-MOBILE RRUS, (3) TOTAL, (1) PER SECTOR
TYP. ALL SECTORS
- PROPOSED FRP BOXES TO BE TEXTURED AND PAINTED
TO MATCH EXISTING BUILDING, TYP. ALL SECTORS

PROPOSED T-MOBILE PANEL ANTENNAS WITHIN
PROPOSED FRP BOXES, (3) TOTAL, (1) PER SECTOR,
TYP. ALL SECTORS

EXISTING T-MOBILE PANEL ANTENNAS
WITHIN PROPOSED FRP BOXES (5)
TOTAL, (2) PER ALPHA & GAMMA
SECTOR AND (1) PER BETA SECTOR

GAMMA
SECTOR



T-Mobile

SITE NUMBER: SD06052A
SITE NAME: SD052
ADDRESS: 600 PALM AVE
 IMPERIAL BEACH, CA 91932
COUNTY: SAN DIEGO
PROJECT: L700



| PROJECT INFORMATION | |
|---------------------------|---|
| SITE NAME: | SD052 |
| SITE NUMBER: | SD06052A |
| SITE ADDRESS: | 600 PALM AVE IMPERIAL BEACH, CA 91932 |
| JURISDICTION: | CITY OF IMPERIAL BEACH |
| COUNTY: | SAN DIEGO |
| LATITUDE: | 32.58516572 |
| LONGITUDE: | -117.12016800 |
| CONSTRUCTION TYPE: | WOOD FRAMES/STUCCO |
| A.P.N.: | 625-140-21-00 |
| ZONING CLASSIFICATION: | C / MU-1 |
| PROPOSED USE: | UNMANNED TELECOMMUNICATION FACILITY |
| PROPERTY OWNER: | KRAMER ENTERPRISES 600 PALM AVE. SAN DIEGO, CA |
| LANDLORD CONTACT: | SANDY KRAMER (619) 423-9022 |
| T-MOBILE PROJECT MANAGER: | JOSEPH ROSE (858) 334-6112 JOSEPH.ROSE41@T-MOBILE.COM |
| APPLICANT: | SAC WIRELESS ON BEHALF OF T-MOBILE DAIL RICHARD (858)200-6541 dail.richard@sacw.com |



| DRAWING INDEX | |
|---------------|--|
| SHEET | DESCRIPTION |
| T-1 | TITLE SHEET |
| T-2 | GENERAL NOTES |
| T-3 | GENERAL NOTES |
| T-4 | REFERENCED DOCUMENTS, SIGNAGE, LEGAL DESCRIPTION & ABBREVIATIONS |
| T-5 | APPROVED PHOTO SIMULATIONS & LETTER OF AUTHORIZATION |
| A-1 | OVERALL SITE PLAN |
| A-2 | ENLARGED ROOF PLAN |
| A-3 | EXISTING & PROPOSED ANTENNA PLANS, MOUNTING DETAIL & SCHEDULES |
| A-4 | EXISTING & PROPOSED EQUIPMENT PLANS & ANTENNA MOUNTING DETAIL |
| A-5 | EXISTING & PROPOSED NORTH ELEVATIONS |
| A-6 | EXISTING & PROPOSED EAST ELEVATIONS |
| A-7 | EXISTING & PROPOSED SOUTH ELEVATIONS |
| A-8 | EXISTING & PROPOSED WEST ELEVATIONS |
| A-9 | EQUIPMENT DETAILS & SPECIFICATIONS |
| A-10 | EQUIPMENT CONFIGURATION |
| G-1 | SCHEMATIC GROUNDING PLANS, NOTES & DETAILS |

| REVISIONS | | | |
|-----------|----------|-------------|----------|
| REV. | DATE | DESCRIPTION | INITIALS |
| 0 | 03/18/16 | 90% CD's | CA |
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| 3 | 09/08/16 | JX COMMENTS | CA |

| SCOPE OF WORK | |
|--|--|
| T-MOBILE PROPOSES TO: | |
| <ul style="list-style-type: none"> INSTALL (1) NEW 8' L700 ANTENNA INSTALL (2) NEW 4' L700 ANTENNAS INSTALL (2) NEW MOUNTS RELOCATE (1) ANTENNA WITH NEW 10' PIPE INSTALL (3) NEW RADIOS (RRUS_B12) INSTALL (3) NEW RET CABLES | <ul style="list-style-type: none"> INSTALL (9) NEW FRP BOXES REPLACE (1) EXISTING DUL W/ (1) NEW DUS |

LEGAL DESCRIPTION

REFER TO T-4

GENERAL NOTES

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 REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS & FIELD CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ARCHITECT OR ENGINEER OF RECORD IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

SPECIAL NOTES

- ALL WORK SHALL BE INSTALLED IN CONFORMANCE WITH CURRENT T-MOBILE CONSTRUCTION INSTALLATION GUIDE.
- EXISTING CONDITIONS WILL BE VERIFIED IN FIELD. IF SIGNIFICANT DEVIATIONS OR DETERIORATION ARE ENCOUNTERED AT THE TIME OF CONSTRUCTION, A REPAIR PERMIT WILL BE OBTAINED & CONTRACTOR SHALL NOTIFY ARCHITECT OR ENGINEER OF RECORD IMMEDIATELY.
- CONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ARCHITECT OR ENGINEER OF RECORD IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.
- THESE DRAWINGS ARE FULL SIZE & SCALEABLE ON 22"x34" SHEET SIZE & ARE NOT REDUCED IN SIZE.
- STATEMENT THAT COMPLIANCE WITH THE ENERGY CODE IS NOT REQUIRED. -SCOPE OF WORK DOES NOT INVOLVE MODIFICATIONS TO EXTERIOR ENVELOPE OF BUILDING, HVAC SYSTEMS OR ELECTRICAL LIGHTING.

CODE COMPLIANCE

- 2013 CALIFORNIA ENERGY CODE
- 2013 CALIFORNIA BUILDING CODE
- 2013 CALIFORNIA ELECTRICAL CODE
- 2013 CALIFORNIA FIRE CODE
- 2013 CALIFORNIA MECHANICAL CODE
- 2013 CALIFORNIA PLUMBING CODE

APPROVALS

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.

T-MOBILE PROJECT MANAGER: _____ DATE: _____

T-MOBILE CONSTRUCTION MANAGER: _____ DATE: _____

T-MOBILE RF ENGINEER: _____ DATE: _____

SITE ACQUISITION: _____ DATE: _____

PROPERTY OWNER: _____ DATE: _____

ZONING: _____ DATE: _____

| PROJECT TEAM | |
|--|--|
| ARCHITECT: SAC WIRELESS NESTOR POPOWYCH, A.I.A. 5015 SHOREHAM PLACE, STE 150 SAN DIEGO, CA 92122 CONTACT: DENNIS YOSHII PHONE: (619) 736-3766 X105 EMAIL: dennis.yoshii@sacw.com | ZONING: SAC WIRELESS CHRISTOPHER FORD 5015 SHOREHAM PLACE, STE 150 SAN DIEGO, CA 92122 PHONE: (619) 454-5234 EMAIL: christopher.ford@sacw.com |
| ENGINEER: SAC WIRELESS TAHZAY RAMIREZ, P.E. 5015 SHOREHAM PLACE, STE 150 SAN DIEGO, CA 92122 PHONE: (619) 736-3766 X114 EMAIL: tahzay.ramirez@sacw.com | RF ENGINEER: T-MOBILE USA MUSTAFA AJMAL 10509 VISTA SORRENTO PKWY STE 206 SAN DIEGO, CA 92121 PHONE: - EMAIL: - |
| PLANNING CONSULTANT: SAC WIRELESS DAIL RICHARD 5015 SHOREHAM PLACE, STE 150 SAN DIEGO, CA 92122 PHONE: (858) 200-6541 EMAIL: dail.richard@sacw.com | CONSTRUCTION MANAGER: T-MOBILE USA KIRT BABCOCK 10509 VISTA SORRENTO PKWY STE 206 SAN DIEGO, CA 92121 PHONE: (858) 334-6139 EMAIL: kirt.babcock@T-Mobile.com |

DRIVING DIRECTIONS

DIRECTIONS FROM: 10509 VISTA SORRENTO PKWY, SAN DIEGO CA 92121

- DEPART VISTA SORRENTO PKWY TOWARD DIRECTORS PL
- TURN RIGHT ONTO MIRA MESA BLVD
- TAKE RAMP RIGHT AND FOLLOW SIGNS FOR I-805 SOUTH
- AT EXIT 14, TAKE RAMP RIGHT FOR CA-15 SOUTH TOWARD M L KING JR FWY
- BEAR RIGHT ONTO I-5 S
- AT EXIT 5A, TAKE RAMP RIGHT AND FOLLOW SIGNS FOR CA-75
- TURN RIGHT ONTO CA-75 N / PALM AVE
- BEAR LEFT ONTO PALM AVE

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



SD052
 SD06052A
 600 PALM AVE
 IMPERIAL BEACH, CA 91932

SHEET TITLE

TITLE SHEET

SHEET NUMBER

T-1

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO CARRIER SERVICES IS STRICTLY PROHIBITED.

GENERAL NOTES:

- THIS FACILITY IS EXEMPT FROM HANDICAP REQUIREMENTS PER CBC SECTION 1105B.3.4 EXCEPTION #1. THIS FACILITY IS NON-OCCUPIABLE SPACE AND ENTERED ONLY BY SERVICE PERSONNEL.
- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE LOCAL BUILDING CODE, THE LATEST EDITION AND ALL OTHER APPLICABLE CODES AND ORDINANCES.
- CONTRACTOR SHALL CONSTRUCT SITE IN ACCORDANCE WITH THESE DRAWINGS AND CONSTRUCTION SPECIFICATIONS 80-T1196-1 REV H. THE SPECIFICATION IS THE RULING DOCUMENT AND ANY DISCREPANCIES BETWEEN THE SPECIFICATION AND THESE DRAWINGS SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER OF RECORD PRIOR TO PROCEEDING WITH CONSTRUCTION.
- CONTRACTOR SHALL VISIT THE JOB SITE AND SHALL FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL MAKE PREVISIONS AS TO THE COST THEREOF. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS AND CONFORMING THAT THE WORK MAY BE ACCOMPLISH AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER OF RECORD PRIOR TO THE COMMENCEMENT OF WORK. NO COMPENSATION WILL BE AWARDED BASED ON CLAIM OF LACK OF KNOWLEDGE OF FIELD CONDITIONS.
- PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT AND APPURTENANCES, AND LABOR NECESSARY TO EFFECT ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS. OWNER PROVIDED MATERIALS WILL INCLUDE THE FOLLOWING, UNLESS NOTED OTHERWISE:
 - TRANSMITTER
 - RF FILTER
 - MFTS RACKS
 - AUXILIARY EQUIPMENT IN MFTS RACK
 - PUMP ASSEMBLY
 - HEAT EXCHANGE
 - HOSE AND HOSE MANIFOLD (ANY COPPER OR STEEL SECTION PROVIDED BY CONTRACTOR)
 - UHF ANTENNA AND MOUNTING BRACKET, GPS ANTENNA AND KU ANTENNAS
 - UHF COAX AND HANGERS
 - 480-208 & 208-400 ELECTRICAL TRANSFORMER (RE: E-2 FOR SPECIALIZED TRANSFORMER PROVIDED BY CONTRACTOR)
 - AUTOMATIC TRANSFER SWITCH AND GENERATOR
 - EQUIPMENT SHELTER (SHELTER FURNISH IN FACTORY W/HVAC EQUIPMENT AND ELECTRICAL DISTRIBUTION PANEL)
 - INTEGRATED LOAD CENTER
 - ANTENNAS, RADIOS & CABLES
- DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS, SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, EXISTING CONDITIONS AND/OR DESIGN INTENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE WORK.
- DETAILS ARE INTENDED TO SHOW DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
- CONTRACTOR SHALL RECEIVE CLARIFICATION IN WRITING, AND SHALL RECEIVE IN WRITING AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEMS NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENT.
- CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING THE BEST CONSTRUCTION SKILLS AND ATTENTION. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER CONTRACT, UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE WORK AREA, ADJACENT AREAS AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFORM TO ALL OSHA REQUIREMENTS.
- CONTRACTOR SHALL COORDINATE HIS WORK WITH THE SUPERINTENDENT OF THE BUILDING & GROUNDS & SCHEDULE HIS ACTIVITIES AND WORKING HOURS IN ACCORDANCE WITH THE REQUIREMENTS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH THE WORK OF OTHERS AS IT MAY RELATE TO RADIO EQUIPMENT, ANTENNAS AND ANY OTHER PORTIONS OF THE WORK.
- INSTALL ALL EQUIPMENT AND MATERIAL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY OTHERWISE INDICATED OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
- MAKE NECESSARY PROVISIONS TO PROTECT EXISTING SURFACE, EQUIPMENT, IMPROVEMENTS, PIPING, ETC. AND IMMEDIATELY REPAIR ANY DAMAGE THAT OCCURS DURING CONSTRUCTION.
- IN DRILLING HOLES INTO CONCRETE WHETHER FOR FASTENING OR ANCHORING PURPOSES, OR PENETRATIONS THROUGH THE FLOOR FOR CONDUIT RUNS, PIPE RUNS, ETC., IT MUST BE CLEARLY UNDERSTOOD THAT REINFORCING STEEL SHALL NOT BE DRILLED INTO, CUT OR DAMAGED UNDER ANY CIRCUMSTANCES (UNLESS NOTED OTHERWISE). LOCATIONS OF REINFORCING STEEL ARE NOT DEFINITELY KNOWN AND THEREFORE MUST BE SEARCHED FOR BY APPROPRIATE METHODS AND EQUIPMENT.
- REPAIR ALL EXISTING WALL SURFACE DAMAGED DURING CONSTRUCTION SUCH THAT THEY MATCH AND BLEND IN WITH ADJACENT SURFACE.
- SEAL PENETRATION THROUGH FIRE RATED AREAS WITH U.L. LISTED AND FIRE CODE APPROVED MATERIALS.
- KEEP CONTRACT AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, AND RUBBISH. EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY OF THE OWNER SHALL BE REMOVED. LEAVE PREMISES IN CLEAN CONDITIONS AND FREE FROM PAINT SPOT, DUST, OR SMUDGES OF ANY NATURE. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ITEMS UNTIL COMPLETION OF CONSTRUCTION.
- MINIMUM BEND RADIUS OF ANTENNA CABLE SHALL BE IN ACCORDANCE WITH CABLE MANUFACTURER'S RECOMMENDATIONS.
- DAMAGE TO EXISTING STRUCTURES AND/OR UTILITIES RESULTING FROM CONTRACTORS NEGLIGENCE SHALL BE REPAIRED AND/OR REPLACED TO THE OWNERS SATISFACTION AT NO ADDITIONAL COST TO THE CONTRACT.
- ALL CONSTRUCTION IS TO ADHERE TO T-MOBILE'S INTEGRATED CONSTRUCTION STANDARDS UNLESS CALIFORNIA CODE IS MORE STRINGENT.
- THE INTENT OF THE PLANS AND SPECIFICATIONS IS TO PERFORM THE CONSTRUCTION IN ACCORDANCE WITH THE CALIFORNIA BUILDING STANDARDS CODE, TITLE 19 AND 24, CALIFORNIA CODE REGULATIONS. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE APPROVED PLANS AND SPECIFICATIONS WHEREIN THE FINISH WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE JURISDICTION BEFORE PROCEEDING WITH THE WORK.

SITE WORK NOTES:

- DO NOT SCALE BUILDING DIMENSIONS FROM DRAWINGS.
- SIZE, LOCATION, AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON AS-BUILT DRAWINGS BY GENERAL CONTRACTOR AND ISSUED TO ARCHITECT OR ENGINEER OF RECORD AT COMPLETION OF PROJECT.

- ALL EXISTING UTILITIES, FACILITIES, CONDITIONS AND THEIR DIMENSIONS SHOWN ON PLANS HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ARCHITECT OR ENGINEER OF RECORD AND OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORK SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES.
- CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES BOTH HORIZONTAL AND VERTICALLY PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT OR ENGINEER OF RECORD FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT OR ENGINEER OF RECORD. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE. CONTRACTOR SHALL CALL LOCAL DIGGER HOT LINE FOR UTILITY LOCATIONS 48 HOURS PRIOR TO START OF CONSTRUCTION.
- CONTRACTOR SHALL CLEAN ENTIRE SITE AFTER CONSTRUCTION SUCH THAT NO PAPER, TRASH, WEEDS, BRUSH OR ANY OTHER DEPOSITS WILL REMAIN. ALL MATERIALS COLLECTED DURING CLEANING OPERATIONS SHALL BE DISPOSED OF OFF-SITE BY THE GENERAL CONTRACTOR.
- ALL SITE WORK SHALL BE CAREFULLY COORDINATED BY THE GENERAL CONTRACTOR WITH LOCAL UTILITY COMPANY, TELEPHONE COMPANY, AND ANY OTHER UTILITY COMPANIES HAVING JURISDICTION OVER THIS LOCATION.

FIRE DEPARTMENT NOTES:

- ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE CONSTRUCTED SO AS TO MAINTAIN AN EQUAL OR GREATER FIRE RATING.
- DECORATIVE MATERIALS SHALL BE MAINTAINED IN A FLAME-RETARDANT CONDITION. [CFC 807.1.2]
- CONTRACTOR SHALL VERIFY IN FIELD THE EXISTENCE OR INSTALLATION OF A FIRE EXTINGUISHER WITH A MINIMUM RATING OF 2A-10BC, WITH A CHARGE STATUS ACCEPTABLE TO THE LOCAL FIRE AUTHORITY HAVING JURISDICTION

ELECTRICAL NOTES:

- ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL ANY/ALL ELECTRICAL WORK INDICATED. ANY/ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH DRAWINGS AND ANY/ALL APPLICABLE SPECIFICATIONS. IF ANY PROBLEMS ARE ENCOUNTERED BY COMPLYING WITH THESE REQUIREMENTS, CONTRACTOR SHALL NOTIFY 'CONSTRUCTION MANAGER' AS SOON AS POSSIBLE, AFTER THE DISCOVERY OF THE PROBLEMS, AND SHALL NOT PROCEED WITH THAT PORTION OF WORK, UNTIL THE 'CONSTRUCTION MANAGER' HAS DIRECTED THE CORRECTIVE ACTIONS TO BE TAKEN.
- ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE HIMSELF WITH ANY/ALL CONDITIONS AFFECTING ELECTRICAL AND COMMUNICATION INSTALLATION AND MAKE PROVISIONS AS TO THE COST THEREOF. ALL EXISTING CONDITIONS OF ELECTRICAL EQUIP., LIGHT FIXTURES, ETC., THAT ARE PART OF THE FINAL SYSTEM, SHALL BE VERIFIED BY THE CONTRACTOR, PRIOR TO THE SUBMITTING OF HIS BID. FAILURE TO COMPLY WITH THIS PARAGRAPH WILL IN NO WAY RELIEVE CONTRACTOR OF PERFORMING ALL WORK NECESSARY FOR A COMPLETE AND WORKING SYSTEM.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE CEC AND ALL CODES AND LOCAL ORDINANCES OF THE LOCAL POWER & TELEPHONE COMPANIES HAVING JURISDICTION.
- DO NOT SCALE ELECTRICAL DRAWINGS. REFER TO SITE PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF ALL EQUIPMENT, AND CONFIRM WITH 'CONSTRUCTION MANAGER' ANY SIZES AND LOCATIONS WHEN NEEDED.
- EXISTING SERVICES: CONTRACTOR SHALL NOT INTERRUPT EXISTING SERVICES WITHOUT WRITTEN PERMISSION OF THE OWNER.
- CONTRACTOR SHALL PAY FOR ANY/ALL PERMITS, FEES, INSPECTIONS AND TESTING. CONTRACTOR IS TO OBTAIN PERMITS AND APPROVED SUBMITTALS PRIOR TO THE WORK BEGINNING OR ORDERING EQUIPMENT.
- THE TERM "PROVIDE" USED IN CONSTRUCTION DOCUMENTS AND SPECIFICATIONS, INDICATES THAT THE CONTRACTOR SHALL FURNISH AND INSTALL.
- CONTRACTOR SHALL CONFIRM WITH LOCAL UTILITY COMPANY ANY/ALL REQUIREMENTS SUCH AS THE: LUG SIZE RESTRICTIONS, CONDUIT ENTRY, SIZE OF TRANSFORMERS, SCHEDULED DOWNTIME FOR THE OWNERS' CONFIRMATION, ETC.. ANY/ALL CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER, PRIOR TO BEGINNING ANY WORK.
- MINIMUM WIRE SIZE SHALL BE #12 AWG, NOT INCLUDING CONTROL WIRING, UNLESS NOTED OTHERWISE. ALL CONDUCTORS SHALL BE COPPER WITH THWN INSULATION.
- OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN WET/DAMP LOCATIONS AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS.
- IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF THE CONSTRUCTION. CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS FOR THE EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
- ELECTRICAL SYSTEM SHALL BE AS COMPLETELY AND EFFECTIVELY GROUNDED, AS REQUIRED BY SPECIFICATIONS, SET FORTH BY T-MOBILE AND CEC ARTICLE 250.
- ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS, WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE AND SUBJECT TO REGULATORY INSPECTION AND APPROVAL BY CONSTRUCTION MANAGER.
- ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
- CONTRACTOR SHALL GUARANTEE ANY/ALL MATERIALS AND WORK FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE OF ACCEPTANCE.
- THE CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ANY ADDITIONAL CHARGE AND SHALL INCLUDE THE REPLACEMENT OR THE REPAIR OF ANY OTHER PHASE OF THE INSTALLATION, WHICH MAY HAVE BEEN DAMAGED THEREIN.
- ADEQUATE AND REQUIRED LIABILITY INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LOSS AND ANY/ALL PROPERTY DAMAGE FOR THE DURATION OF WORK.
- PROVIDE AND INSTALL CONDUIT, CONDUCTORS, PULL WIRES, BOXES, COVER PLATES, AND DEVICES FOR ALL OUTLETS AS INDICATED.
- DITCHING AND BACKFILL: CONTRACTOR SHALL PROVIDE FOR ALL UNDERGROUND INSTALLED CONDUIT AND/OR CABLES INCLUDING EXCAVATION AND BACKFILLING AND COMPACTION.
- MATERIALS, PRODUCTS AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SHALL APPEAR ON THE LIST OF U.L. APPROVED ITEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF THE NEC, NEMA AND IECE.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OR MANUFACTURER'S CATALOG INFORMATION OF ANY/ALL LIGHTING FIXTURES, SWITCHES AND ALL OTHER ELECTRICAL ITEMS FOR APPROVAL BY THE CONSTRUCTION MANAGER PRIOR TO INSTALLATION.
- ANY CUTTING OR PATCHING DEEMED NECESSARY FOR ELECTRICAL WORK IS THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY AND SHALL BE INCLUDED IN THE COST FOR WORK AND PERFORMED TO THE SATISFACTION OF THE 'CONSTRUCTION MANAGER' UPON FINAL ACCEPTANCE.
- THE ELECTRICAL CONTRACTOR SHALL LABEL ALL PANELS WITH ONLY TYPEWRITTEN DIRECTORIES. ALL ELECTRICAL WIRING SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.

- DISCONNECT SWITCHES SHALL BE H.P. RATED HEAVY-DUTY, QUICK-MAKE AND QUICK-BREAK ENCLOSURES, AS REQUIRED BY EXPOSURE TYPE.
- ALL CONNECTIONS SHALL BE MADE WITH A PROTECTIVE COATING OF ANTI-OXIDE COMPOUND SUCH AS "NO-OXIDE A" BY DEARBORNE CHEMICAL CO. COAT ALL WIRE SURFACES BEFORE CONNECTING. EXPOSED COPPER SURFACES, INCLUDING GROUND BARS, SHALL BE TREATED - NO SUBSTITUTIONS.
- RACEWAYS: CONDUIT SHALL BE SCHEDULE 40 PVC MEETING OR EXCEEDING NEMA TC2-1990. CONTRACTOR SHALL PLUG AND CAP EACH END OF SPARE AND EMPTY CONDUITS AND PROVIDE TWO SEPARATE PULL STRINGS- 200 LBS TEST POLYETHYLENE CORD. ALL CONDUIT BENDS SHALL BE A MINIMUM OF 2FT RADIUS. RGS CONDUITS WHEN SPECIFIED, SHALL MEET UL-6 FOR GALVANIZED STEEL. ALL FITTINGS SHALL BE SUITABLE FOR USE WITH THREADED RIGID CONDUIT. COAT ALL THREADS WITH 'BRITE ZING' OR 'GOLD GALV'.
- SUPPORT OF ALL ELECTRICAL WORK SHALL BE AS REQUIRED BY CEC.
- CONDUCTORS: CONTRACTOR SHALL USE 98% CONDUCTIVITY COPPER WITH TYPE THWN INSULATION, 800 VOLT, COLOR CODED. USE SOLID CONDUCTORS FOR WIRE UP TO AND INCLUDING NO. 8 AWG. USE STRANDED CONDUCTORS FOR WIRE ABOVE NO. 8 AWG.
- CONNECTORS FOR POWER CONDUCTORS: CONTRACTOR SHALL USE PRESSURE TYPE INSULATED TWIST-ON CONNECTORS FOR NO. 10 AWG AND SMALLER. USE SOLDERLESS MECHANICAL TERMINAL LUGS FOR NO. 8 AWG AND LARGER.
- SERVICE: 240/120V, SINGLE PHASE, 3 WIRE CONNECTION AVAILABLE FROM UTILITY COMPANY. OWNER OR OWNERS AGENT WILL APPLY FOR POWER.
- TELEPHONE SERVICE: CONTRACTOR SHALL PROVIDE EMPTY CONDUITS WITH PULL STRINGS AS INDICATED ON DRAWINGS.
- ELECTRICAL AND TELCO RACEWAYS TO BE BURIED A MINIMUM OF 2' DEPTH.
- CONTRACTOR SHALL PLACE TWO LENGTHS OF WARNING TAPE AT A DEPTH OF 12" BELOW GROUND AND DIRECTLY ABOVE ELECTRICAL AND TELCO SERVICE CONDUITS. CAUTION TAPE TO READ "CAUTION BURIED ELECTRIC" OR "BURIED TELECOM".

GROUNDING NOTES:

- COMPRESSION CONNECTIONS (2), 2 AWG BARE TINNED SOLID COPPER CONDUCTORS TO GROUNDING BAR. ROUTE CONDUCTORS TO BURIED GROUNDING RING AND PROVIDE PARALLEL EXOTHERMIC WELD.
- EC SHALL USE PERMANENT MARKER TO DRAW THE LINES BETWEEN EACH SECTION AND LABEL EACH SECTION ("P", "A", "N", "I") WITH 1" HIGH LETTERS.
- ALL HARDWARE 18-8 STAINLESS STEEL, INCLUDING LOCK WASHERS. COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING. ALL HARDWARE SHALL BE STAINLESS STEEL 3/8 INCH DIAMETER OR LARGER.
- FOR GROUND BOND TO STEEL ONLY: INSERT A CADMIUM FLAT WASHER BETWEEN LUG AND STEEL, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
- NUT & WASHER SHALL BE PLACED ON THE FRONT SIDE OF THE GROUNDING BAR AND BOLTED ON THE BACK SIDE.
- NUMBER OF GROUNDING BARS MAY VARY DEPENDING ON THE TYPE OF TOWER, ANTENNA LOCATION, AND CONNECTION ORIENTATION. PROVIDE AS REQUIRED.
- WHEN THE SCOPE OF WORK REQUIRES THE ADDITION OF A GROUNDING BAR TO AN EXISTING TOWER, THE SUBCONTRACTOR SHALL OBTAIN APPROVAL FROM THE TOWER OWNER PRIOR TO MOUNTING THE GROUNDING BAR TO THE TOWER.
- ALL ELECTRICAL AND GROUNDING AT THE CELL SITE SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE (NEC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 780 (LATEST EDITION), CALIFORNIA BUILDING STANDARDS AND MANUFACTURER.

STRUCTURAL SPECIFICATIONS:

A. GENERAL

- GENERAL DETAILS AND NOTES ON THESE SHEETS SHALL APPLY UNLESS SPECIFICALLY SHOWN OR NOTED OTHERWISE. CONSTRUCTION DETAILS NOT FULLY SHOWN OR NOTED SHALL BE SIMILAR TO DETAILS SHOWN FOR SIMILAR CONDITIONS.
- SHORING: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL ALL TEMPORARY BRACING AND SHORING TO INSURE THE SAFETY OF THE WORK UNTIL IT IS IN ITS COMPLETED FORM. THIS INCLUDES UNDERPINNING EXISTING FOOTINGS WHERE APPLICABLE.
- SAFETY: THESE STRUCTURAL DRAWINGS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE INDICATED, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION.

B. STEEL

- ALL STRUCTURAL STEEL SECTIONS AND WELDED PLATE MEMBERS SHALL CONFORM TO ASTM A-36 AND BE FABRICATED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE AISC.
- ALL BOLTS SHALL CONFORM TO ASTM A-307 UNLESS OTHERWISE NOTED ON PLANS.
- STEEL PIPE COLUMNS SHALL BE GRADE "B" CONFORMING TO ASTM A53.
- STEEL TUBING SHALL BE GRADE "B" CONFORMING TO ASTM A500.
- ALL WELDING SHOULD BE DONE IN CERTIFIED WELDER'S SHOP UNLESS NOTED OTHERWISE.
- ALL STRUCTURAL STEEL SHALL HAVE MILL CERTIFICATION. MILL CERTIFICATION SHALL BE KEPT ON THE JOB SITE FOR EXAMINATION BY THE DESIGN ENGINEER AND THE CITY INSPECTOR.
- ALL HIGH STRENGTH BOLTS SHALL HAVE MILL CERTIFICATION. MILL CERTIFICATION SHALL BE KEPT ON THE JOB SITE FOR EXAMINATION BY THE INSPECTOR.

C. CONCRETE

- STRENGTH: CONCRETE FOR THE PROJECT SHALL HAVE THE FOLLOWING ULTIMATE COMPRESSIVE STRENGTH AT AGE OF 28 DAYS:

| LOCATION | STRENGTH | WT. | SLUMP | ADMIXTURE |
|-------------------|----------|---------|-------|-----------|
| A. SLAB & FOOTING | 2500 PSI | 150 PCF | 4" | NONE |
- REBAR GRADES: REINFORCING STEEL SHALL BE CLEAN PREFORMED BARS CONFORMING TO ASTM A615 AS FOLLOWS:
 - #4 & SMALLER BARS.....GRADE 40
 - #5 & LARGER BARS.....GRADE 60
- CEMENT: FOUNDATIONS & SLABS: TYPE V, LOW ALKALI, CONFORMING TO ASTM C-150. PIER/CAISSON FOOTINGS: TYPE V, LOW ALKALI, CONFORMING TO ASTM C-150.
- AGGREGATE: USED IN THE CONCRETE SHALL CONFORM TO ASTM C-33. USE ONLY AGGREGATES KNOWN NOT TO CAUSE EXCESSIVE SHRINKAGE. THE MAXIMUM SIZE AGGREGATE IN CONCRETE WORK SHALL BE THE FOLLOWING:
 - FOUNDATIONS & SLABS 9" OR LESS: 3/4" GRAVEL
 - PIER/CAISSON FOOTING: 1" GRAVEL
- WATER: SHALL BE CLEAN AND FREE FROM DELETERIOUS AMOUNT OF ACIDS, ALKALIS, ORGANIC MATERIALS AND SHALL BE SUITABLE FOR HUMAN CONSUMPTION.
- MIXING: PREPARATION OF CONCRETE SHALL CONFORM TO ASTM C-94. NO MORE THAN 90 MINUTES SHALL ELAPSE BETWEEN CONCRETE BATCHING AND CONCRETE PLACEMENT UNLESS APPROVED BY A TESTING AGENCY.
- SPICES OF REINFORCING STEEL SHALL BE LAPPED A MINIMUM OF 40 DIAMETERS AND SECURELY WIRED TOGETHER. SPLICES OF ADJACENT REINFORCING BARS SHALL BE STAGGERED WHEREVER POSSIBLE.

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www.socw.com
619.736.3766

REVISIONS

| REV. | DATE | DESCRIPTION | INITIALS |
|------|----------|-------------|----------|
| 0 | 03/18/16 | 90% CD's | CA |
| 1 | 03/24/16 | 100% CD's | DN |
| 2 | 07/19/16 | JX COMMENTS | CA |
| 3 | 09/08/16 | JX COMMENTS | CA |
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| | | | |

NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET



"I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME AND UNDER MY DIRECT SUPERVISION AND THAT I AM DULY REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA"

SD052
SD06052A
600 PALM AVE
IMPERIAL BEACH, CA 91932

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

T-2

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO CARRIER SERVICES IS STRICTLY PROHIBITED.

- D. TIMBER
- ALL LUMBER SHALL BE NO. 2 GRADE DOUGLAS FIR, S4S. UNLESS NOTED OTHERWISE
 - ROOF PLYWOOD SHALL MATCH EXISTING PLYWOOD SHEATHING WITH A PANEL SPAN RATING 32/16. EDGE NAIL WITH 8d AT 6" O.C. UNLESS NOTED OTHERWISE ON PLANS. NAIL WITH 8d AT 12" O.C. AT INTERMEDIATE SUPPORTS.
 - THE MAXIMUM MOISTURE CONTENT OF ALL LUMBER SHALL NOT EXCEED 19% AT THE TIME OF INSTALLATION.
 - MINIMUM NAILING SHALL COMPLY WITH TABLE 2304.9.1 OF CALIFORNIA BUILDING CODE. ALL NAILS SHALL BE COMMON WIRE NAILS.
 - ALL BOLTS SHALL HAVE STANDARD CUT WASHERS UNDER HEADS AND/OR NUTS WHERE IN CONTACT WITH WOOD.
 - LAG BOLTS SHALL BE SCREWED INTO PLACE, NOT DRIVEN. LAG BOLTS SHALL BE INSTALLED IN PRE-DRILLED HOLES WITH A DIAMETER EQUAL TO 75% DIAMETER OF BOLTS.
 - CONNECTORS: ALL SHEET METAL FRAMING CONNECTORS SHOWN IN THE PLANS SHALL BE SIMPSON STRONG-TIE CONNECTORS. SUBSTITUTIONS MAY BE MADE WHEN APPROVED BY THE STRUCTURAL ENGINEER.
 - ALL LUMBER EXPOSED TO WEATHER OR IN CONTACT WITH MASONRY OR CONCRETE SHALL BE WOLMANIZED PRESSURE TREATED LUMBER OR A NATURALLY DECAY RESISTANT LUMBER SUCH AS REDWOOD OR CEDAR.

PAINTING NOTES & SPECIFICATIONS:

- A. GENERAL
- ALL PAINT PRODUCT LINES SHALL BE SHERWIN WILLIAMS UNLESS SPECIFICALLY NOTED OTHERWISE.
 - CONTRACTOR SHALL PREPARE ALL SURFACES AND APPLY ALL FINISHES PER LATEST EDITION OF MANUFACTURER'S SPECIFICATIONS.
 - COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS REGARDING SUFFICIENT DRYING TIME BETWEEN COATS WITH PROVISIONS AS RECOMMENDED BY MANUFACTURER FOR EXISTING WEATHER CONDITIONS.
 - FINISH COLOR AND TEXTURE OF ALL PAINTED SURFACES SHALL MATCH EXISTING ADJACENT SURFACES UNLESS OTHERWISE NOTED.
 - ALL PAINT MATERIAL DATA SHEETS SHALL BE PROVIDED TO THE T-MOBILE CONSTRUCTION MANAGER.
 - PREPARE PREVIOUSLY PAINTED SURFACE BY LIGHT SANDING WITH 400 GRIT SANDPAPER AND NON-HYDROCARBON WASH. PREPARE GALVANIZED SURFACES BY ACID ETCH OR SOLVENT CLEANING IN ACCORDANCE WITH SSPC-SP1.
 - FURNISH DROP CLOTHES, SHIELDS, MASKING AND PROTECTIVE METHODS TO PREVENT SPRAY OR DROPPINGS FROM DAMAGING ADJACENT SURFACES AND FACILITIES.
 - APPLY PAINT BY AIRLESS SPRAY, SANDING LIGHTLY BETWEEN EACH SUCCEEDING ENAMEL COAT ON FLAT SURFACES. APPLY MATERIAL TO ACHIEVE A COATING NO THINNER THAN THE DRY FILM THICKNESS INDICATED.
 - APPLY BLOCK FILTER TO CONCRETE BLOCK CONSTRUCTION AT A RATE TO ENSURE COMPLETE COVERAGE WITH PORES COMPLETELY FILLED.
 - CONTRACTOR SHALL CORRECT RUNS, SAGS, MISSES AND OTHER DEFECTS INCLUDING INADEQUATE COVERAGE AS DIRECTED BY THE T-MOBILE CONSTRUCTION MANAGER. REPAINT AS NECESSARY TO ACHIEVE SURFACES WHICH ARE SMOOTH, EVENLY COATED WITH UNIFORM SHEEN AND FREE FROM BLEMISHES.
- B. COATING SYSTEM SPECIFICATIONS
- DTM ACRYLIC COATING (SERIES B66) BY SHERWIN WILLIAMS CO. 1MIL DFT PER COAT APPLIED IN TWO COATS OVER DTM BONDING PRIMER (B66A50).
 - 100% ACRYLIC, LATEX COATING EQUIVALENT TO A-100 (SERIES A-82) BY SHERWIN WILLIAMS CO. 1 DFT PER COAT APPLIED IN TWO COATS OVER SPECIFIED PRIMER.
- C. ANTENNAS
- PRIMER - KEM AQUA E61-W525
TOPCOAT - COROTHANE II B65W200/B60V22
- BTS CABINET
PRIMER - KEM AQUA E61-W525
TOPCOAT - COROTHANE II B65W200/B60V22
- COAXIAL JUMPER CABLES
PRIMER - AS REQUIRED FOR ADHESION. APPLY ONE COAT OF KEM AQUA WATER REDUCIBLE PRIMER E61W25 REDUCED 25%
TOPCOAT - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2
- RAW STEEL
PRIMER - KEM BOND HS B50WZ4, DMT ACRYLIC PRIMER
TOPCOAT - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2
- GALVANIZED METAL
ACID ETCH WITH COMMERCIAL ETCH OR VINEGAR PRIMER COAT AND FINISH COAT (GALVITE HIGH SOLIDS OR DTM PRIMER/FINISH)
- STAINLESS STEEL
PRIMER - OTM WASH PRIMER, B71Y1
TOPCOATS - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2
- PRE-PRIMED STEEL
TOUCH UP ANY RUST OR UN-PRIMED STEEL WITH KEM BOND HS, SS0WZ4
- ALUMINUM & COPPER
PRIMER - DTM WASH PRIMER, B71Y1
TOPCOAT - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2
- CONCRETE MASONRY
PRIMER - PRO MAR EXTERIOR BLOCK FILLER
TOPCOAT - 2 COATS A-100 LATEX HOUSE & TRIM, SHEEN TO MATCH
- CONCRETE STUCCO (EXISTING)
2 COATS A-100 LATEX HOUSE & TRIM, SHEEN TO MATCH
- STUCCO
PRIMER - PRO MAR MASONRY CONDITIONED B-46 W21000
TOPCOAT - SUPERPAINT A-80 SERIES A-89 SATIN A-84 GLOSS
- WOOD
PRIMER - A-100 EXTERIOR ALKYD W009D PRIMER Y-24W20
TOPCOAT - 2 COATS A-100 LATEX HOUSE & TRIM SHEEN TO MATCH ADJACENT SURFACES

FIELD CUTS/ DAMAGE (PRIOR TO PRIME & PAINT)
FIRST & SECOND COAT - CUPRINOL CLEAR WOOD PRESERVATIVE #158-0356 ALL PENETRATIONS INTO FINISHED CLU-LAMS SHALL BE CAULKED WITH "SIKAFLEX" SEALANT

STEEL TOUCH UP
STEEL THAT HAS BEEN WELDED, CUT OR SCRATCHED IN THE FIELD SHALL BE TOUCHED UP WITH COLD GALVANIZED PAINT.

CONCRETE MASONRY NOTES:

- CONCRETE MASONRY UNITS SHALL BE MEDIUM WEIGHT UNITS CONFORMING TO ASTM C90, (FM=1,500 PSI), MEDIUM WEIGHT (115 PCF).
- MORTAR SHALL BE TYPE "S" (MINIMUM 1,800 PSI AT 2 DAYS).
- GROUT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI AT 28 DAYS.
- ALL CELLS CONTAINING REINFORCING STEEL OR EMBEDDED ITEMS AND ALL CELLS IN RETAINING WALLS AND WALLS BELOW GRADE SHALL BE SOLID GROUTED.
- WHEN GROUTING IS STOPPED FOR ONE HOUR OR LONGER, HORIZONTAL CONSTRUCTION JOINTS SHALL BE FORMED BY STOPPING THE GROUT POUR 1- 1/2" BELOW TOP OF THE UPPERMOST UNIT.
- ALL MASONRY CONSTRUCTION TO BE PERFORMED AS PER TMS 402-11/ACI 530-11/ASCE 5-1, CBC 2013 CHAPTER 21 AND LOCAL BUILDING ORDINANCES.
- REINFORCING BARS- SEE NOTES UNDER "REINFORCING STEEL" FOR REQUIREMENTS.
- ALL CELLS IN CONCRETE BLOCKS SHALL BE FILLED SOLID WITH GROUT EXCEPT AS NOTED IN THE DRAWINGS AND SPECIFICATIONS.
- BRICKS SHALL CONFORM TO ASTM C-62 AND SHALL BE GRADE MW OR BETTER.

STRUCTURAL CONCRETE NOTES:

- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301-10, ACI 318-11 AND THE SPECIFICATION FOR CAST-IN-PLACE CONCRETE.
- ALL CONCRETE SHALL HAVE MINIMUM COMPRESSIVE STRENGTH $f_c=2500$ PSI AT 28 DAYS UNLESS NOTED OTHERWISE.
- REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES CLASS "B" AND ALL HOOKS SHALL BE STANDARD UNLESS NOTED OTHERWISE.
- THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:

CONCRETE CASTS AGAINST EARTH..... 3 IN.

CONCRETE EXPOSED TO EARTH OR WEATHER:
#6 AND LARGER..... 2 IN.
#5 AND SMALLER & WWF..... 1-1/2 IN.

CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND:
SLAB AND WALL 3/4 IN.
BEAMS AND COLUMNS..... 1-1/2 IN.

- A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE U.N.O. IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.
- HOLES TO RECEIVE EXPANSION/WEDGE ANCHORS SHALL BE 1/8" LARGER IN DIAMETER THAN THE ANCHOR BOLT, DOWEL OR ROD AND SHALL CONFORM TO MANUFACTURERS RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. LOCATE AND AVOID CUTTING EXISTING REBAR WHEN DRILLING HOLES IN CONCRETE SLABS.
- USE AND INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR SHALL BE PER ICC ER# & MANUFACTURERS WRITTEN RECOMMENDED PROCEDURES.

BATTERY NOTES:

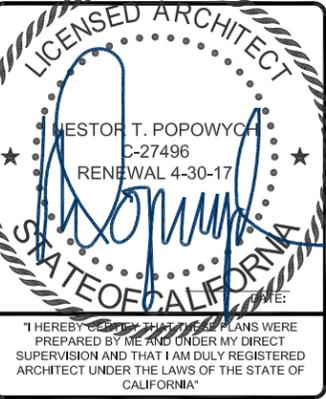
- QUANTITIES OF 500 GAL. OR LESS ARE EXEMPT PER TABLE 3-E OF THE 1997 U.B.C.
- SINGLE VESSEL CAPACITIES OF 20 GAL. OR LESS, AND AGGREGATE QUANTITIES NOT IN EXCESS OF 100 GAL. ARE EXEMPT PER ARTICLE 64 OF THE 2013 C.F.C.
- QUANTITIES LESS THAN 50 GAL. ARE EXEMPT FROM C.F.C. ARTICLE 80, AND SHALL NOT REQUIRE PERMIT.
- ANY CHANGES OR ADDITIONS TO BACK-UP BATTERIES MUST COMPLY WITH 2013 C.F.C. ARTICLE 64, AND SHALL NOT CONTAIN ELECTROLYTE QUANTITIES IN EXCESS OF 50

FIRE DEPARTMENT NOTES:

- FIRE DEPARTMENT FINAL INSPECTION REQUIRED. SCHEDULE INSPECTION 2 DAYS IN ADVANCE.
 - A CFC PERMIT TO OPERATE BATTERY SYSTEMS WITH STATIONARY LEAD-ACID BATTERIES IS NOT REQUIRED FOR THE QUANTITIES ON SITE.
 - A CFC PERMIT MAY BE REQUIRED FOR THE HAZARDOUS MATERIALS ON SITE.
 - A HAZARDOUS MATERIALS IDENTIFICATION SIGN IS REQUIRED FOR ALL ENTRANCES INTO BATTERY STORAGE AREAS. LETTERS MUST BE AT LEAST 1" IN HEIGHT AND IN A COLOR WHICH CONTRASTS TO THE BACKGROUND OF THE SIGN AND LIST THE FOLLOWING: "CLASS 1 WATER REACTIVE LIQUID TOXIC LIQUID CORROSIVE LIQUID OTHER HEALTH HAZARD LIQUID"
 - AN APPROVED METHOD TO NEUTRALIZE SPILLED ELECTROLYTE SHALL BE PROVIDED IN THE BATTERY ROOM.
 - BATTERIES SHALL BE PROVIDED WITH SAFETY VENTING CAPS.
 - LOCATIONS AND CLASSIFICATIONS OF EXTINGUISHERS SHALL BE IN ACCORDANCE WITH THE UNIFORM FIRE CODE STANDARD 10-1 AND PLACEMENT IS SUBJECT TO APPROVAL OF THE FIRE INSPECTOR.
 - STORAGE, DISPENSING OR USE OF ANY FLAMMABLE AND COMBUSTIBLE LIQUIDS, FLAMMABLE AND COMPRESSED GASES, AND OTHER HAZARDOUS MATERIALS SHALL COMPLY WITH UNIFORM FIRE CODE REGULATIONS.
 - EXIST DOORS SHALL BE ABLE TO OPEN FROM THE INSIDE WITHOUT THE USE OF KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
 - ADDRESS NUMBERS SHALL BE A MINIMUM 6 INCHES HIGH AND PLAINLY VISIBLE FROM ROADWAY BUILDING IS ADDRESSED ON.
 - REQUIRED SIGNAGE SHALL INCLUDE LETTERING HEIGHT OF AT LEAST ONE INCH, IN A COLOR THAT CONTRASTS TO THE SIGN BACKGROUND, AND SHALL BE PROMINENTLY DISPLAYED.
- L.REQUIRED SIGNAGE SHALL INCLUDE, BUT MAY NOT BE LIMITED TO, APPLICABLE TYPES FROM EXAMPLES SHOWN HEREIN (SEE SIGNAGE).



| REVISIONS | | | |
|---|----------|-------------|----------|
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| 1 | 03/24/16 | 100% CD's | DN |
| 2 | 07/19/16 | JX COMMENTS | CA |
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| NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET | | | |



SD052
SD06052A
600 PALM AVE
IMPERIAL BEACH, CA 91932

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

T-3

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO CARRIER SERVICES IS STRICTLY PROHIBITED.

| | | | |
|--|----------------------------|--|---------------|
| | DETAIL REFERENCE | | LINE TYPES |
| | ELEVATION REFERENCE | | PROPERTY LINE |
| | SECTION REFERENCE | | CENTER LINE |
| | AZIMUTH ARROW | | FIBER CABLE |
| | GROUNDING CABLE | | |
| | ELEVATION BUBBLE | | |
| | MECHANICAL GRND. CONN. | | |
| | CADWELD | | |
| | GROUND BUS BAR | | |
| | ANTENNAS BY OTHERS | | |
| | EXISTING T-MOBILE ANTENNAS | | |
| | PROPOSED T-MOBILE ANTENNAS | | |
| | T-MOBILE RADIO | | |

| | | |
|--------|--------|---|
| LEGEND | SCALE | 5 |
| | N.T.S. | |

ALL THAT PORTION OF THE WEST HALF OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 19, TOWNSHIP 18 SOUTH, RANGE 2 WEST SAN BERNARDINO BASE AND MERIDIAN IN THE CITY OF IMPERIAL BEACH COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO UNITED STATES GOVERNMENT SURVEY LYING WESTERLY OF THE EASTERLY 65.00 FEET THEREOF AND LYING NORTHERLY OF THE SOUTHERLY 50 FEET THEREOF.

EXCEPTION FROM THE PROPERTY DESCRIBED ABOVE, ANY PORTION THEREOF LYING NORTHERLY OF THE SOUTHERLY LINE DEED RECORDED JULY 12, 1943 IN BOOK1534, PAGE 7 OF OFFICIAL RECORDS.

| | | |
|-------------------|--------|---|
| LEGAL DESCRIPTION | SCALE | 4 |
| | N.T.S. | |

- **CONSTRUCTION DRAWINGS:** SD06052A_Other_SD06052_SCR_ZDs; SD06052A; BY: MITCHELL J ARCHITECTURE; 06/18/12
- **SCOPE OF WORK:** RFDS_SD06052A_2_(L700)_Signed_020816
- **SITE WALK:** NO CURRENT SITE WALK AVAILABLE
- **SITE SURVEY:** NO CURRENT SURVEY AVAILABLE

| | | |
|----------------------|--------|---|
| REFERENCED DOCUMENTS | SCALE | 3 |
| | N.T.S. | |

NOTICE

Radio frequency fields beyond this point may exceed the FCC general public exposure limit.

Obey all posted signs and site guidelines for working in radio frequency environments.
In accordance with Federal Communications Commission rules on radio frequency emissions 47 CFR 1.1307 (b)

CAUTION

Beyond this point; Radio frequency fields at this site may exceed FCC rules for human exposure.

For your safety, obey all posted signs and site guidelines for working in radio frequency environments.
In accordance with Federal Communications Commission rules on radio frequency emissions 47 CFR 1.1307 (b)

WARNING

Beyond this point; Radio frequency fields at this site exceed the FCC rules for human exposure.

Failure to obey all posted signs and site guidelines for working in radio frequency environments could result in serious injury.
In accordance with Federal Communications Commission rules on radio frequency emissions 47 CFR 1.1307 (b)

ALERTING SIGNS

DANGER

HAZARDOUS MATERIAL STORAGE AREA

WARNING

THIS FACILITY CONTAINS CORROSIVE LIQUID TOXIC LIQUID CLASS 1 WATER REACTIVE LIQUID

IN CASE OF EMERGENCY CALL

1-866-400-6040

SITE NUMBER:SD06052A
SITE NAME: SD052



INFORMATION SIGN

| ABBREVIATION | DEFINITION | ABBREVIATION | DEFINITION |
|--------------|----------------------------|--------------|----------------------------|
| A.B. | ANCHOR BOLT | GRND. | GROUND |
| ABV. | ABOVE | HDR. | HEADER |
| AC | AIR CONDITIONING | HGR. | HEIGHT |
| ACU | AIR CONDITIONING UNIT | ICGB. | ISOLATED COPPER GROUND BUS |
| ACCA | ANTENNA CABLE COVER ASSY. | IGR | INTERIOR GROUND RING |
| ADD'L | ADDITIONAL | IN. (*) | INCH(ES) |
| A.F.F. | ABOVE FINISHED FLOOR | INT. | INTERIOR |
| A.F.G. | ABOVE FINISHED GRADE | LB. (#) | POUND(S) |
| A.G.L. | ABOVE GRADE LEVEL | L.B. | LAG BOLTS |
| ALUM. | ALUMINUM | L.F. | LINEAR FEET (FOOT) |
| ALT. | ALTERNATE | L. | LONG(ITUDINAL) |
| ANT. | ANTENNA | MGB | MASTER GROUND BUS |
| APPRX. | APPROXIMATE(LY) | MAS. | MASONRY |
| APX | APEX | MAX. | MAXIMUM |
| ARCH. | ARCHITECT(URAL) | M.B. | MACHINE BOLT |
| ASSY. | ASSEMBLY | MECH. | MECHANICAL |
| AWG. | AMERICAN WIRE GAUGE | MFR. | MANUFACTURER |
| BCN | BEACON | MIN. | MINIMUM |
| BD. | BOLLARD | MISC. | MISCELLANEOUS |
| BDK | BRASS DISK | MTL. | METAL |
| BLDG. | BUILDING | MW | MICROWAVE |
| BLK. | BLOCK | (N) | NEW |
| BLKG. | BLOCKING | NO. (#) | NUMBER |
| BM | BEAM / BENCH MARK | N.T.S. | NOT TO SCALE |
| B.N. | BOUNDARY NAILING | O.C. | ON CENTER |
| BTCW. | BARE TINNED COPPER WIRE | OH. | OVERHEAD |
| B.O.F. | BOTTOM OF FOOTING | OH.P | OVERHEAD POWER LINE |
| BTM. | BOTTOM | OPNG. | OPENING |
| BRC. | BRACE | P/C | PRECAST CONCRETE |
| BTS | BASE TRANSCIEVER STATION | PLY. | PLYWOOD |
| B.W.F. | BARBED WIRE FENCE | PPC | POWER PROTECTION CABINET |
| B/U | BACK-UP CABINET | P.S.F. | POUNDS PER SQUARE FOOT |
| CAB. | CABINET | P.S.I. | POUNDS PER SQUARE INCH |
| CANT. | CANTILEVER(ED) | P.T. | PRESSURE TREATED |
| C.I.P. | CAST IN PLACE | PWR. | POWER (CABINET) |
| C.L.F. | CHAIN LINK FENCE | QTY. | QUANTITY |
| CLG. | CEILING | R. | RADIUS |
| CLR. | CLEAR | RAD. CTR. | RADIATION CENTER |
| COL. | COLUMN | RBS | RADIO BASE STATION |
| CONC. | CONCRETE | REF. | REFERENCE |
| CONN. | CONNECTION(OR) | REINF. | REINFORCEMENT(ING) |
| CONST. | CONSTRUCTION | REQD. | REQUIRED |
| CONT. | CONTINUOUS | RF | RADIO FREQUENCY |
| CPD | CONCRETE PAD | RGS | RIGID GALVANIZED STEEL |
| C.T. | CABLE TRAY | RRU | REMOTE RADIO UNIT |
| d | PENNY (NAILS) | RRH | REMOTE RADIO HEAD |
| DBL. | DOUBLE | SCH. | SCHEDULE |
| DEF. | DEFINITION | SHT. | SHEET |
| DEPT. | DEPARTMENT | SIM. | SIMILAR |
| D.F. | DOUGLAS FIR | SPEC. | SPECIFICATION(S) |
| DIA. (Ø) | DIAMETER | SP | STEEL PLATE |
| DIAG. | DIAGONAL | SQ. | SQUARE |
| DIM. | DIMENSION | S.S. | STAINLESS STEEL |
| DR. | DOOR | STD. | STANDARD |
| DWG. | DRAWING(S) | STL. | STEEL |
| DWL. | DOWEL(S) | STRUC. | STRUCTURAL |
| EA. | EACH | T.B.D. | TO BE DETERMINED |
| EBX | ELECTRICAL BOX | T.B.R. | TO BE RESOLVED |
| EG | EQUIPMENT GROUND | TEMP. | TEMPORARY |
| EGR | EQUIPMENT GROUND RING | THK. | THICK(NESS) |
| EL. | ELEVATION | TMA | TOWER MOUNTED AMPLIFIER |
| ELEC. | ELECTRICAL | T.N. | TOE NAIL |
| ELEV. | ELEVATOR | T.O.A. | TOP OF ANTENNA |
| EM | ELECTRICAL METER | T.O.C. | TOP OF CURB |
| E.M.T. | ELECTRICAL METALLIC TUBING | T.O.F. | TOP OF FOUNDATION |
| E.O.P. | EDGE OF PAVEMENT | T.O.P. | TOP OF PLATE (PARAPET) |
| EQ. (=) | EQUAL | T.O.S. | TOP OF STEEL |
| EVLT | ELECTRICAL VAULT | T.O.W. | TOP OF WALL |
| ENG. | EXPANSION | TWR. | TOWER |
| EXST. | EXISTING | TYP. | TYPICAL |
| EXT. | EXTERIOR | U.G. | UNDER GROUND |
| FAB. | FABRICATION(OR) | U.L. | UTILITY POLE |
| F.N. | FINISH FLOOR | U.N.O. | UNLESS NOTED OTHERWISE |
| F.O. | FINISH GRADE | V.I.N. | VERIFY IN FIELD |
| FIN. | FINISH(ED) | W. | WIDE(WIDTH) |
| FLR. | FLOOR | WD. | WOOD |
| FDN. | FOUNDATION | W.P. | WEATHERPROOF |
| F.C. | FACE OF CONCRETE | WT. | WEIGHT |
| F.M. | FACE OF MASONRY | | |
| F.S. | FACE OF STUD | | |
| F.W. | FACE OF WALL | | |
| F.S. | FINISHED SURFACE | | |
| FT. (*) | FOOT(FEET) | | |
| FTG. | FOOTING | | |
| GA. | GAUGE | | |
| GI. | GALVANIZE(D) | | |
| G.F.I. | GROUND FAULT INTERRUPTER | | |
| GEN | GENERATOR | | |
| GLB. | GLOBAL POSITIONING SYSTEM | | |
| GRC. | GROWTH RADIO CABINET | | |

| | | |
|---------------|--------|---|
| ABBREVIATIONS | SCALE | 1 |
| | N.T.S. | |

T-Mobile

10509 VISTA SORRENTO PKWY #206
SAN DIEGO, CA 92121
T-MOBILE.COM

SOC WIRELESS

5015 SHOREHAM PL.
SUITE 150
SAN DIEGO, CA 92122
www.socw.com
619.736.3766



| REVISIONS | | | |
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LICENSED ARCHITECT

NESTOR T. POPOWICH
C-27496
RENEWAL 4-30-17
STATE OF CALIFORNIA

"I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME AND UNDER MY DIRECT SUPERVISION AND THAT I AM DULY REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA"

SD052
SD06052A
600 PALM AVE
IMPERIAL BEACH, CA 91932

SHEET TITLE

**REFERENCED DOCUMENTS,
SIGNAGE, LEGAL
DESCRIPTION &
ABBREVIATIONS**

SHEET NUMBER

T-4



T-Mobile West LLC
A subsidiary of T-Mobile USA Inc.
10509 Vista Sorrento Parkway, #206
San Diego, CA 92121

January 14, 2016

City of Imperial Beach
Development Services Department
825 Imperial Beach Blvd.
Imperial Beach, CA 91932

Re: Letter of Authorization for Obtaining Land Use Entitlements

To Whom it May Concern,

T-Mobile hereby authorizes SAC Wireless, its employees, agents, and contractors to file and complete any applications necessary to obtain required land use entitlements on T-Mobile's behalf for all T-Mobile projects.

If you have any questions or concerns, please contact me at (858) 334-6112.

Regards,

Joseph Rose

Joey Rose, Esq.

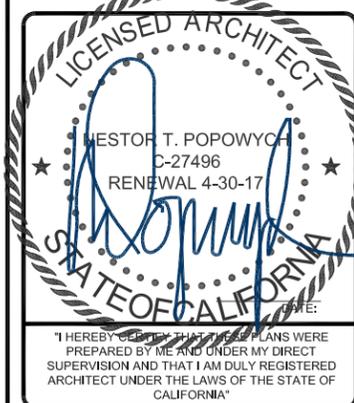
Site Development Manager
T-Mobile USA



T-Mobile
10509 VISTA SORRENTO PKWY #206
SAN DIEGO, CA 92121
T-MOBILE.COM

SAC WIRELESS
5015 SHOREHAM PL.
SUITE 150
SAN DIEGO, CA 92122
www.sacw.com
619.736.3766

| REVISIONS | | | |
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| REV. | DATE | DESCRIPTION | INITIALS |
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SD052
SD06052A
600 PALM AVE
IMPERIAL BEACH, CA 91932

SHEET TITLE
APPROVED PHOTO
SIMULATIONS &
LETTER OF
AUTHORIZATION

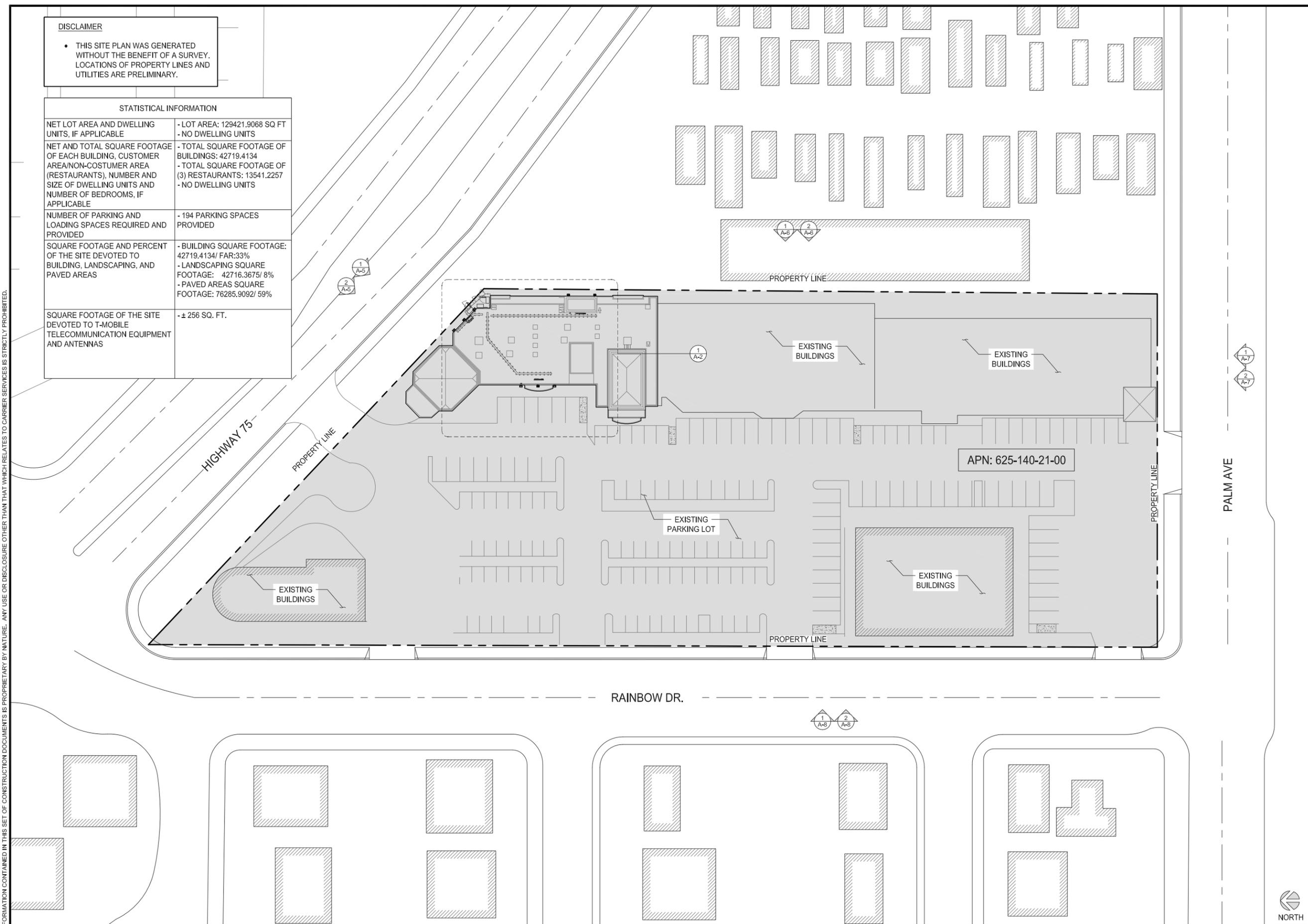
SHEET NUMBER
T-5

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DISCLAIMER

- THIS SITE PLAN WAS GENERATED WITHOUT THE BENEFIT OF A SURVEY. LOCATIONS OF PROPERTY LINES AND UTILITIES ARE PRELIMINARY.

| STATISTICAL INFORMATION | |
|---|---|
| NET LOT AREA AND DWELLING UNITS, IF APPLICABLE | - LOT AREA: 129421.9068 SQ FT - NO DWELLING UNITS |
| NET AND TOTAL SQUARE FOOTAGE OF EACH BUILDING, CUSTOMER AREA/NON-CUSTOMER AREA (RESTAURANTS), NUMBER AND SIZE OF DWELLING UNITS AND NUMBER OF BEDROOMS, IF APPLICABLE | - TOTAL SQUARE FOOTAGE OF BUILDINGS: 42719.4134 - TOTAL SQUARE FOOTAGE OF (3) RESTAURANTS: 13541.2257 - NO DWELLING UNITS |
| NUMBER OF PARKING AND LOADING SPACES REQUIRED AND PROVIDED | - 194 PARKING SPACES PROVIDED |
| SQUARE FOOTAGE AND PERCENT OF THE SITE DEVOTED TO BUILDING, LANDSCAPING, AND PAVED AREAS | - BUILDING SQUARE FOOTAGE: 42719.4134/ FAR:33% - LANDSCAPING SQUARE FOOTAGE: 42716.3675/ 8% - PAVED AREAS SQUARE FOOTAGE: 76285.9092/ 59% |
| SQUARE FOOTAGE OF THE SITE DEVOTED TO T-MOBILE TELECOMMUNICATION EQUIPMENT AND ANTENNAS | - ± 256 SQ. FT. |



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T-MOBILE.COM

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SUITE 150
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www.socw.com
619.736.3766



| REVISIONS | | | |
|-----------|----------|-------------|----------|
| REV. | DATE | DESCRIPTION | INITIALS |
| 0 | 03/18/16 | 90% CD's | CA |
| 1 | 03/24/16 | 100% CD's | DN |
| 2 | 07/19/16 | JX COMMENTS | CA |
| 3 | 09/08/16 | JX COMMENTS | CA |

NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET

LICENSED ARCHITECT
WESTOR T. POPOWICZ
C-27496
RENEWAL 4-30-17
STATE OF CALIFORNIA

"I HEREBY CERTIFY THAT THE PLANS WERE PREPARED BY ME AND UNDER MY DIRECT SUPERVISION AND THAT I AM DULY REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA"

SD052
SD06052A
600 PALM AVE
IMPERIAL BEACH, CA 91932

SHEET TITLE
OVERALL SITE PLAN

SHEET NUMBER
A-1

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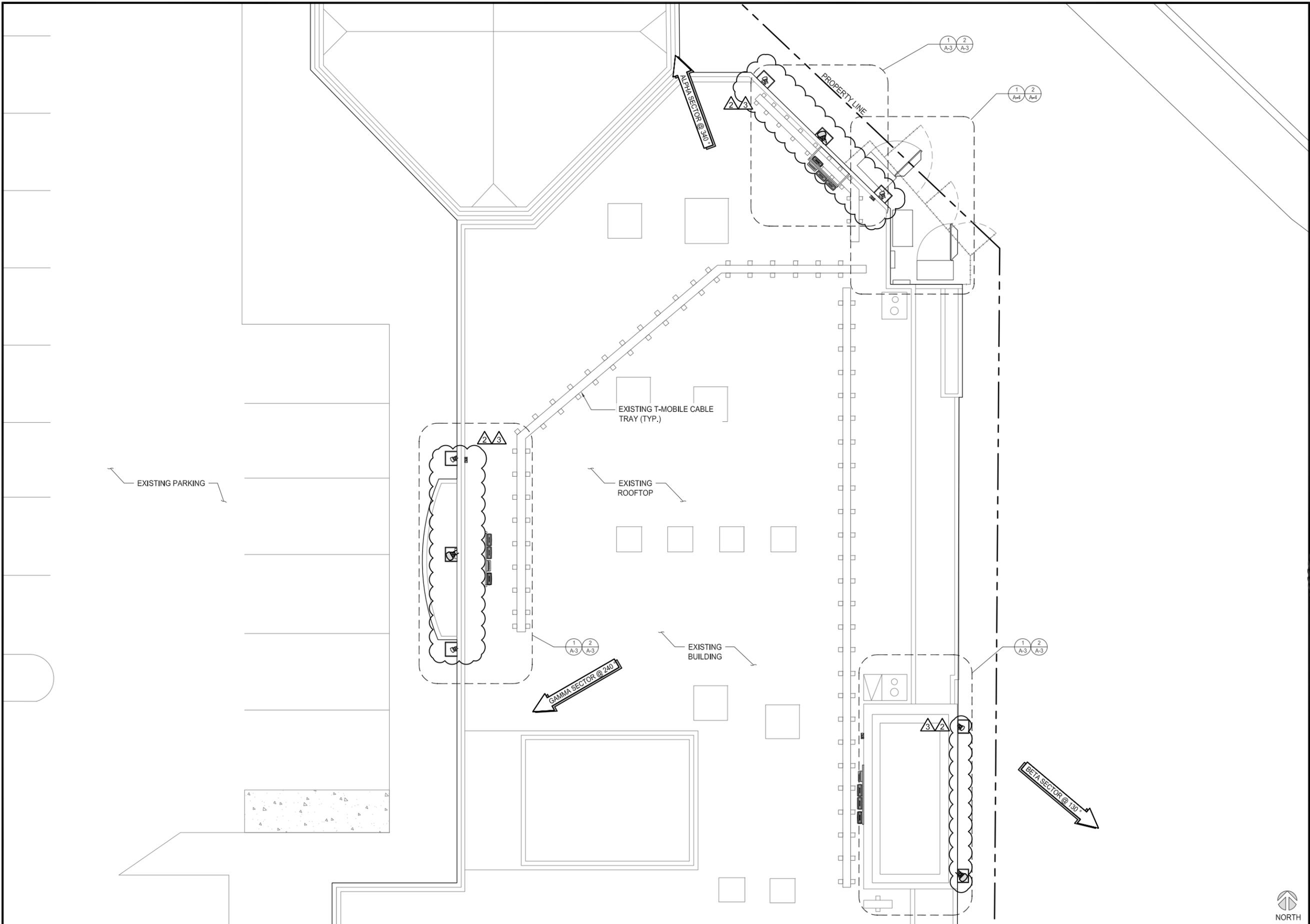
OVERALL SITE PLAN

30' 0 15' 30' SCALE: 1"=30'-0" (22x34)
(OR) 1/2"=30'-0" (11x17)



1

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LICENSED ARCHITECT
 WRESTOR T. POPOWYCH
 C-27496
 RENEWAL 4-30-17
 STATE OF CALIFORNIA
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SD052
 SD06052A
 600 PALM AVE
 IMPERIAL BEACH, CA 91932

SHEET TITLE
 ENLARGED ROOF PLAN

SHEET NUMBER
 A-2

ENLARGED ROOF PLAN

0 1.5' 3' 5' SCALE: 3/16"=1'-0" (22x34)
 (OR) 3/32"=1'-0" (11x17)



PROPOSED ANTENNA SCHEDULE

| SECTOR | AZIMUTH | RAD CENTER | POSITION | EXISTING OR PROPOSED | ANTENNA HEIGHT | ANTENNA MODEL | RRU | CABLE | CABLE LENGTH AS PER RFDS |
|--------|---------|------------|----------|----------------------|----------------|----------------|------------------------------|-----------------------|--------------------------|
| ALPHA | 340 ° | 24'-10" | 1 | EXISTING | 52" | TMBXX-6516-R2M | (1)RRUS01 B2 (1)RRUS11 B2 | (2) FIBER (2) COAX | 16'-0" 59'-0" |
| | | | 2 | EXISTING | 52" | TMBXX-6516-R2M | (1)RRUS11 B4 (1)TWIN AWS | (1) FIBER (2) COAX | 16'-0" 59'-0" |
| | | | 3 | PROPOSED | 54.9" | LNX-6513DS-A1M | (1) RRUS11B12 | (1) FIBER | 16' |
| BETA | 130 ° | 24'-10" | 1 | EXISTING | 52" | TMBXX-6516-R2M | (1)RRUS01 B2 (1)RRUS11 B2 | (2) FIBER (2) COAX | 16'-0" |
| | | | 2 | PROPOSED | 96.6" | LNX-6515DS-A1M | (1) RRUS11B12 | (1) FIBER | 16' |
| | | 19'-8" | 2 | EXISTING | 52" | TMBXX-6516-R2M | (1)RRUS11 B4 (1)TWIN AWS | (1) FIBER (2) COAX | 16'-0" 59'-0" |
| GAMMA | 240 ° | 24'-10" | 1 | EXISTING | 52" | TMBXX-6516-R2M | (1)RRUS01 B2 (1)RRUS11 B2 | (2) FIBER (2) COAX | 16'-0" 59'-0" |
| | | | 2 | EXISTING | 52" | TMBXX-6516-R2M | (1)RRUS11 B4 (1)TWIN AWS | (1) FIBER (2) COAX | 16'-0" 59'-0" |
| | | | 3 | PROPOSED | 54.9" | LNX-6513DS-A1M | (1) RRUS11B12 | (1) FIBER | 16' |

EXISTING ANTENNA SCHEDULE

| SECTOR | AZIMUTH | RAD CENTER | POSITION | EXISTING OR PROPOSED | ANTENNA HEIGHTS | ANTENNA MODEL | RRU | CABLE | CABLE LENGTH AS PER RFDS |
|--------|---------|------------|----------|----------------------|-----------------|----------------|------------------------------|-----------------------|--------------------------|
| ALPHA | 340 ° | 24'-10" | 1 | EXISTING | 52" | TMBXX-6516-R2M | (1)RRUS01 B2 (1)RRUS11 B2 | (2) FIBER (2) COAX | 16'-0" 59'-0" |
| | | | 2 | EXISTING | 52" | TMBXX-6516-R2M | (1)RRUS11 B4 (1)TWIN AWS | (1) FIBER (2) COAX | 16'-0" 59'-0" |
| BETA | 130 ° | 24'-10" | 1 | EXISTING | 52" | TMBXX-6516-R2M | (1)RRUS01 B2 (1)RRUS11 B2 | (2) FIBER (2) COAX | 16'-0" 59'-0" |
| | | | 2 | EXISTING | 52" | TMBXX-6516-R2M | (1)RRUS11 B4 (1)TWIN AWS | (1) FIBER (2) COAX | 16'-0" 59'-0" |
| GAMMA | 240 ° | 24'-10" | 1 | EXISTING | 52" | TMBXX-6516-R2M | (1)RRUS01 B2 (1)RRUS11 B2 | (2) FIBER (2) COAX | 16'-0" 59'-0" |
| | | | 2 | EXISTING | 52" | TMBXX-6516-R2M | (1)RRUS11 B4 (1)TWIN AWS | (1) FIBER (2) COAX | 16'-0" 59'-0" |

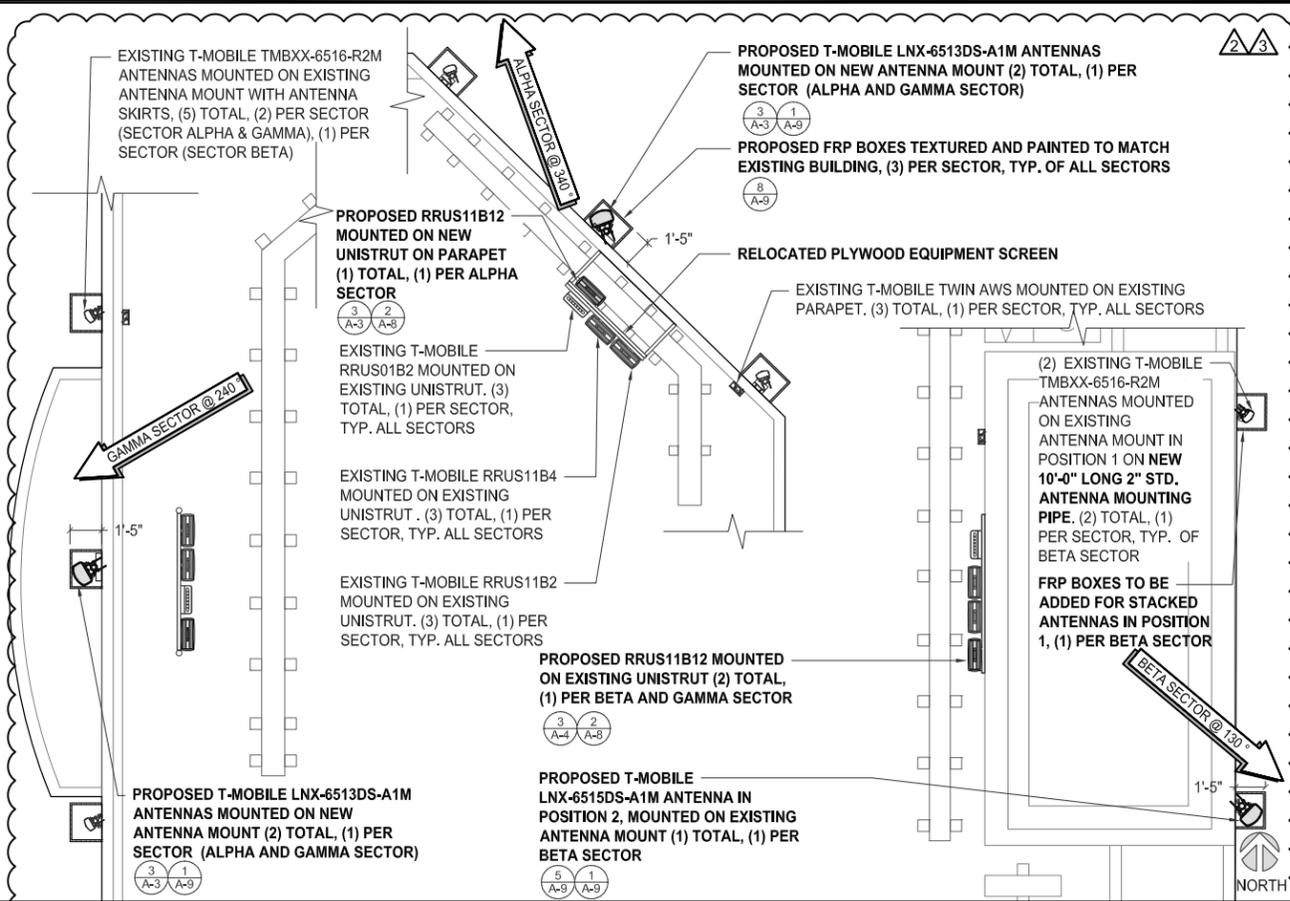
PROPOSED & EXISTING ANTENNA SCHEDULES

SCALE N.T.S. 4

PROPOSED ANTENNA PLAN

SCALE: 1/4"=1'-0" (22x34)
(OR) 1/8"=1'-0" (11x17)

2



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| REVISIONS | | | |
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| 0 | 03/18/16 | 90% CD's | CA |
| 1 | 03/24/16 | 100% CD's | DN |
| 2 | 07/19/16 | JX COMMENTS | CA |
| 3 | 09/08/16 | JX COMMENTS | CA |

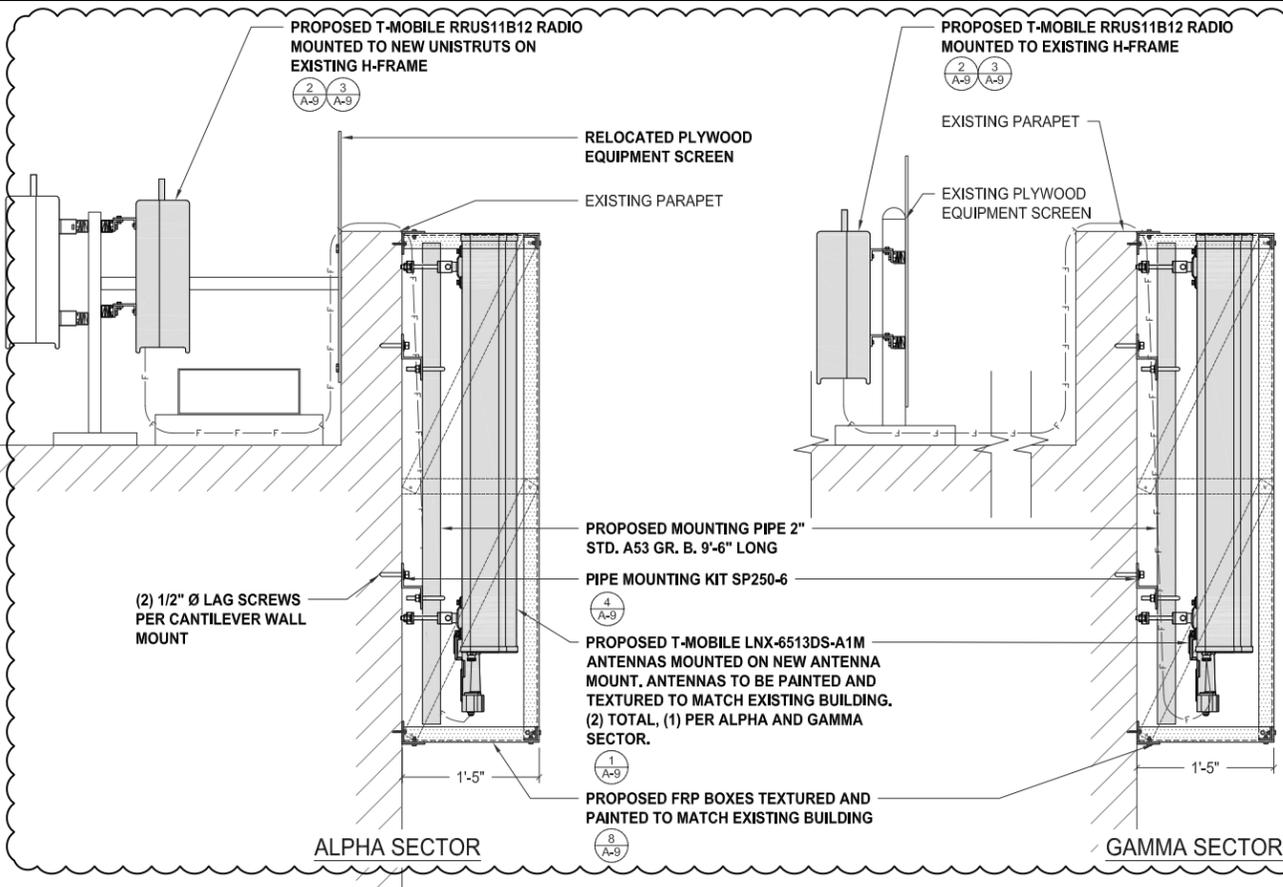
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600 PALM AVE
IMPERIAL BEACH, CA 91932

SHEET TITLE
EXISTING & PROPOSED ANTENNA PLANS, MOUNTING DETAIL & SCHEDULES

SHEET NUMBER
A-3



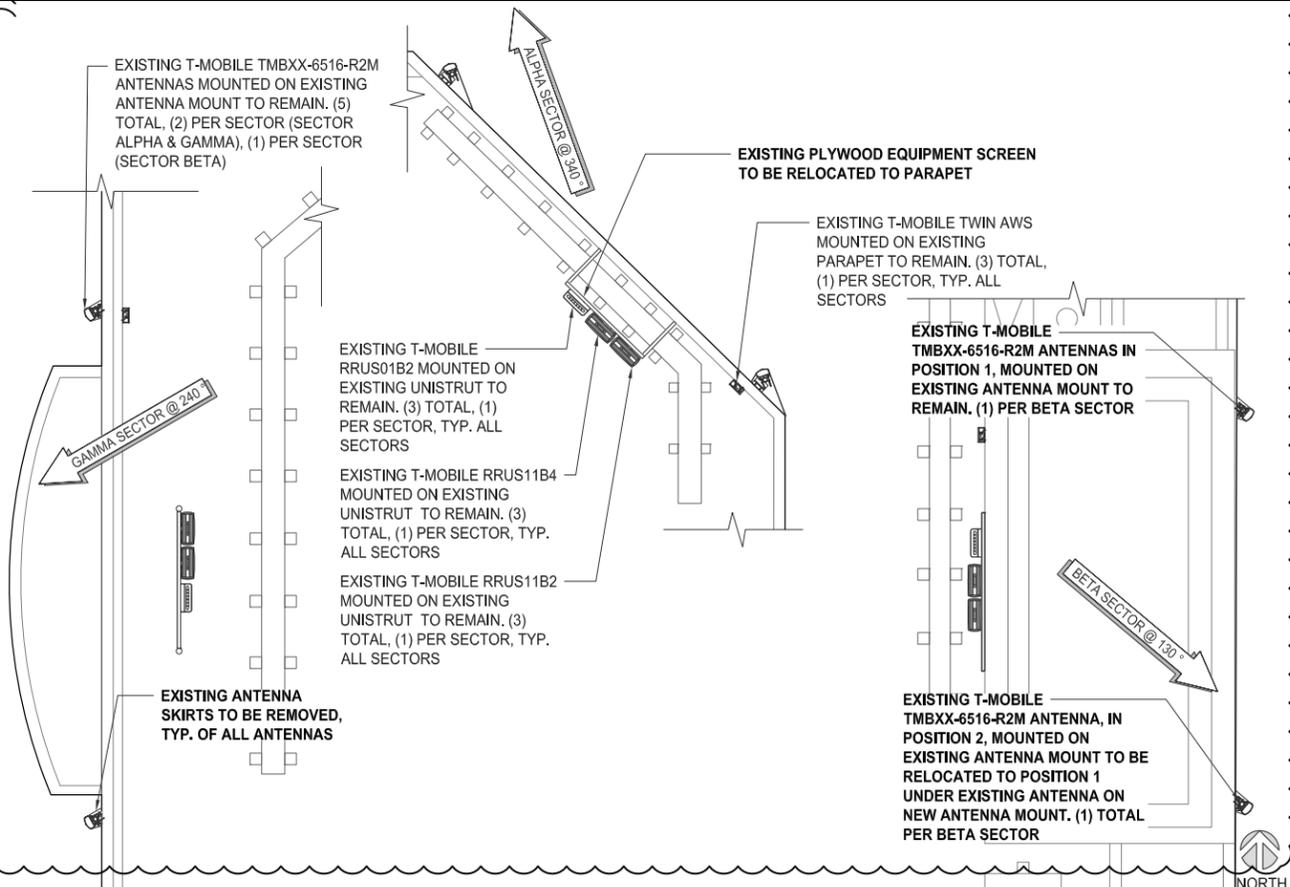
ANTENNA MOUNTING DETAIL

SCALE: 1"=1'-0" (22x34)
(OR) 1/2"=1'-0" (11x17)

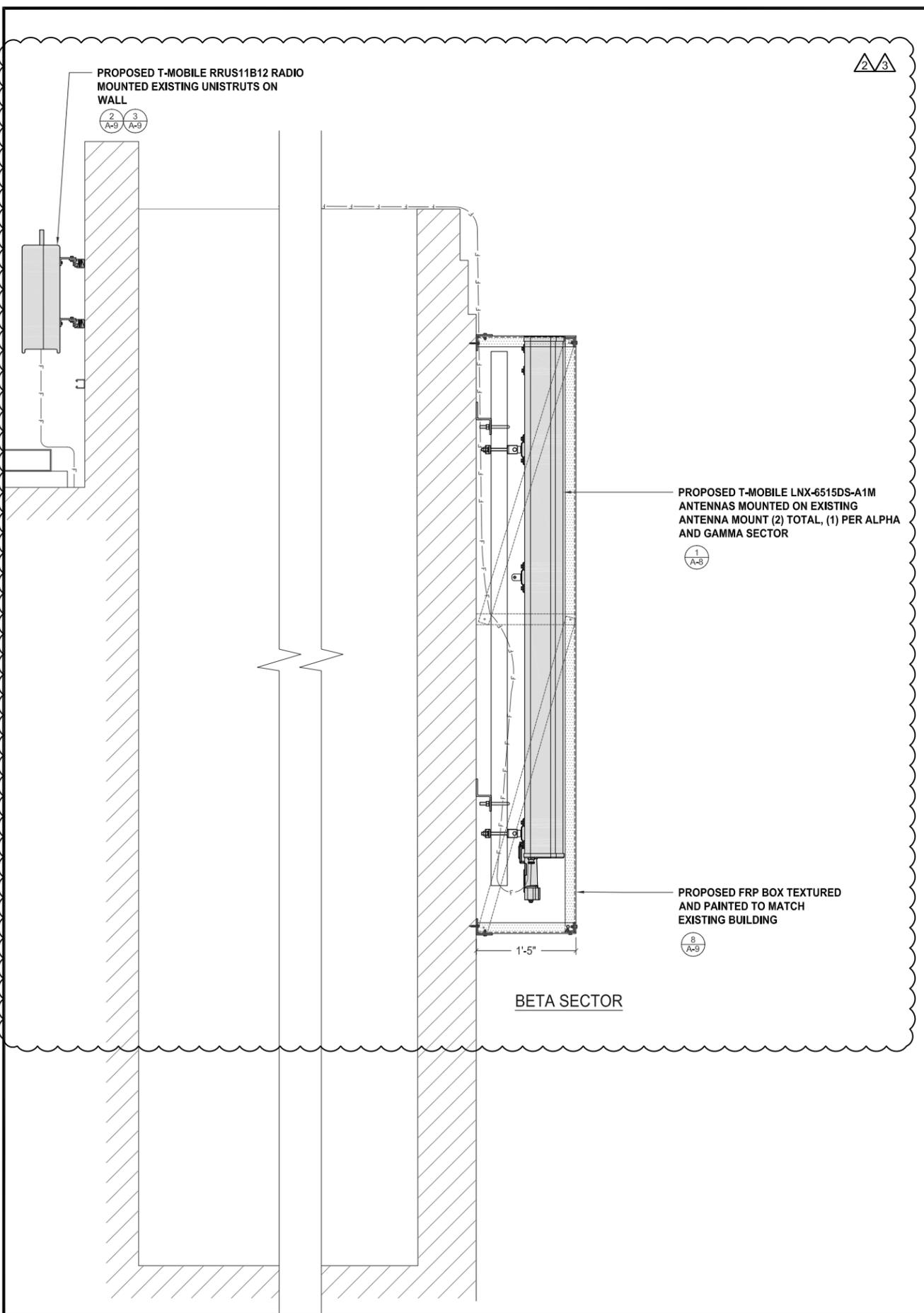
EXISTING ANTENNA PLAN

SCALE: 1/4"=1'-0" (22x34)
(OR) 1/8"=1'-0" (11x17)

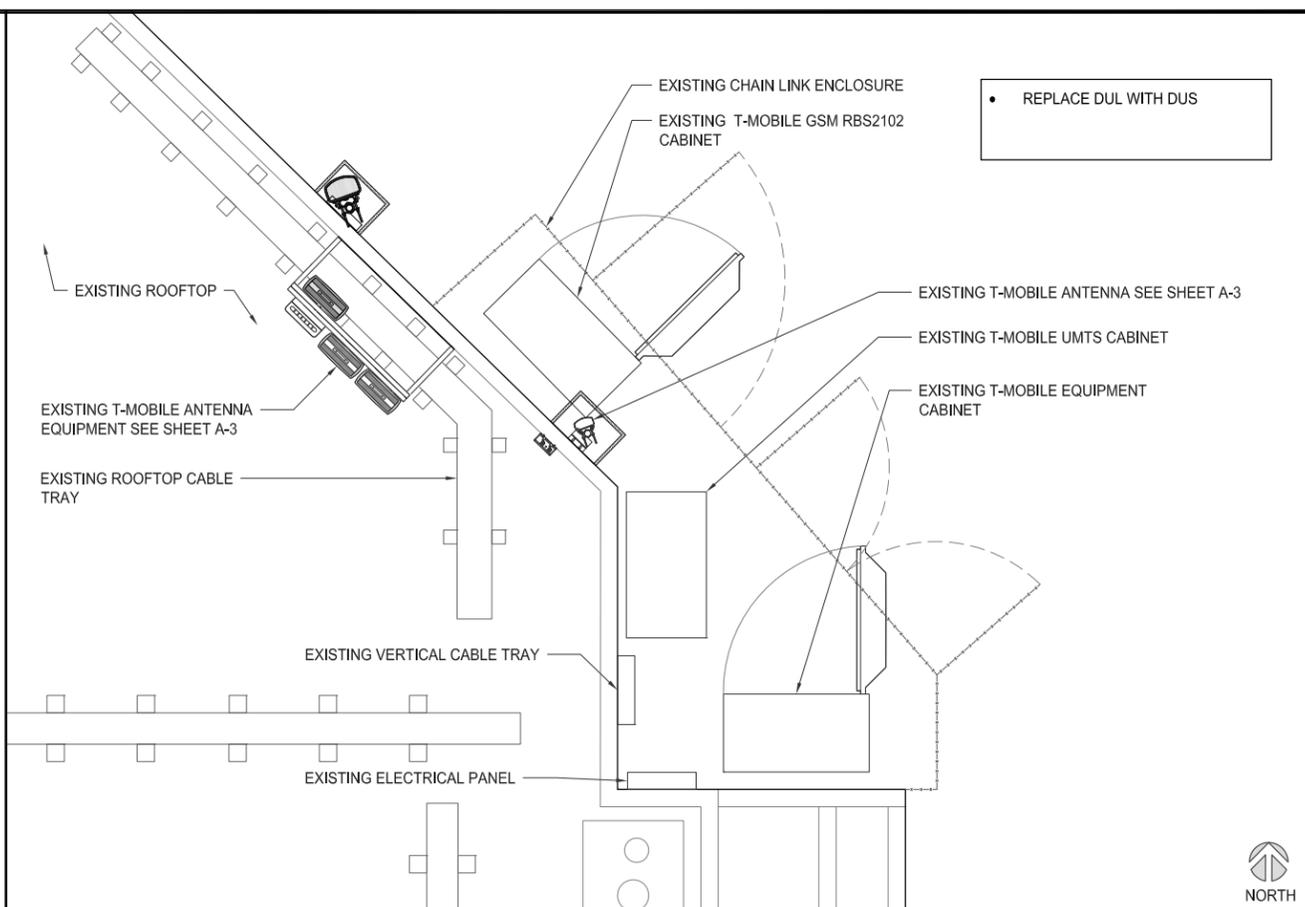
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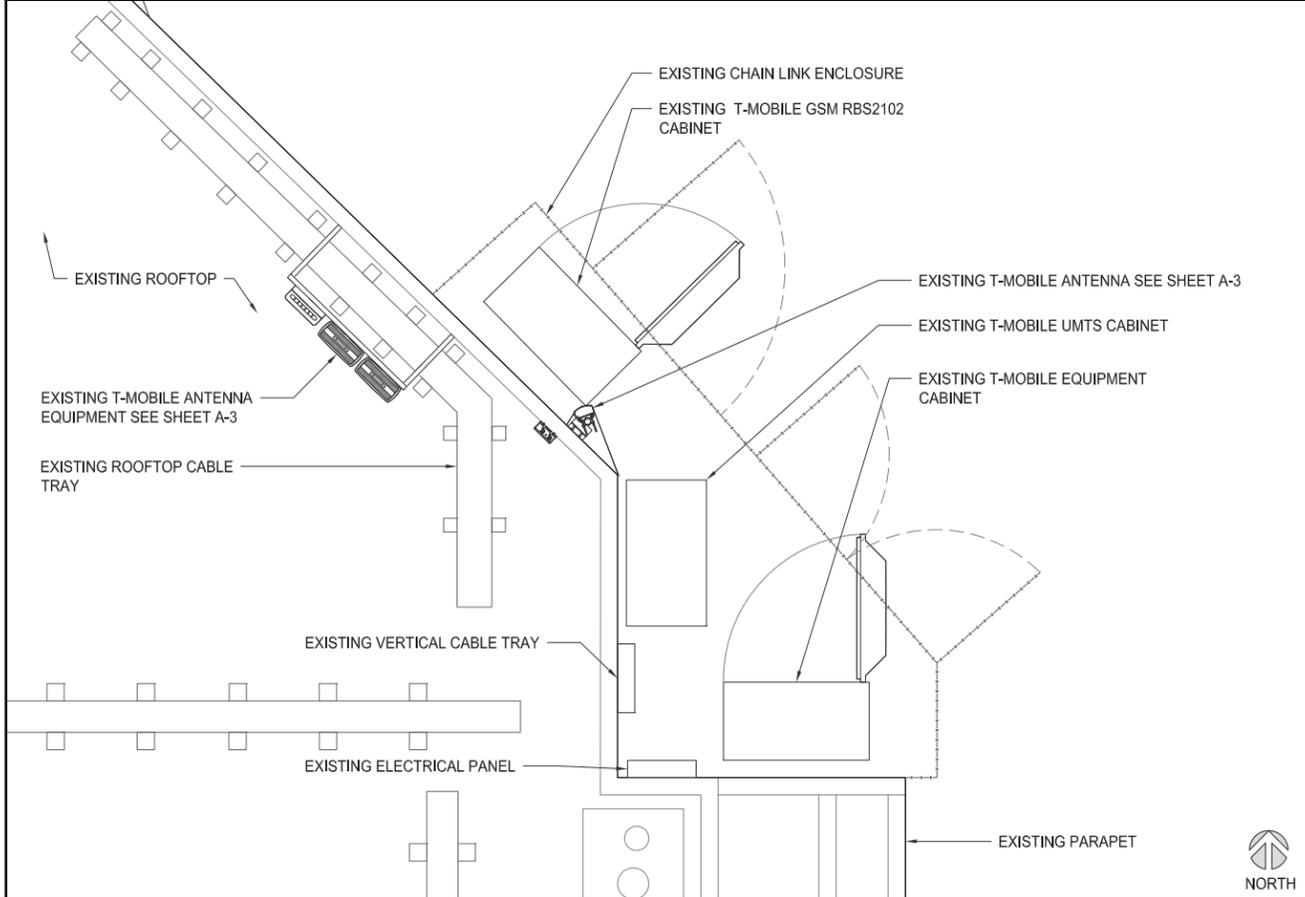
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ANTENNA MOUNTING DETAIL SCALE: 1"=1'-0" (22x34)
(OR) 1/2"=1'-0" (11x17) **3**



PROPOSED EQUIPMENT PLAN SCALE: 3/8"=1'-0" (22x34)
(OR) 3/16"=1'-0" (11x17) **2**



EXISTING EQUIPMENT PLAN SCALE: 3/8"=1'-0" (22x34)
(OR) 3/16"=1'-0" (11x17) **1**

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| 3 | 09/08/16 | JX COMMENTS | CA |

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LICENSED ARCHITECT
WESTOR T. POPOWYCH
C-27496
RENEWAL 4-30-17
STATE OF CALIFORNIA

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IMPERIAL BEACH, CA 91932

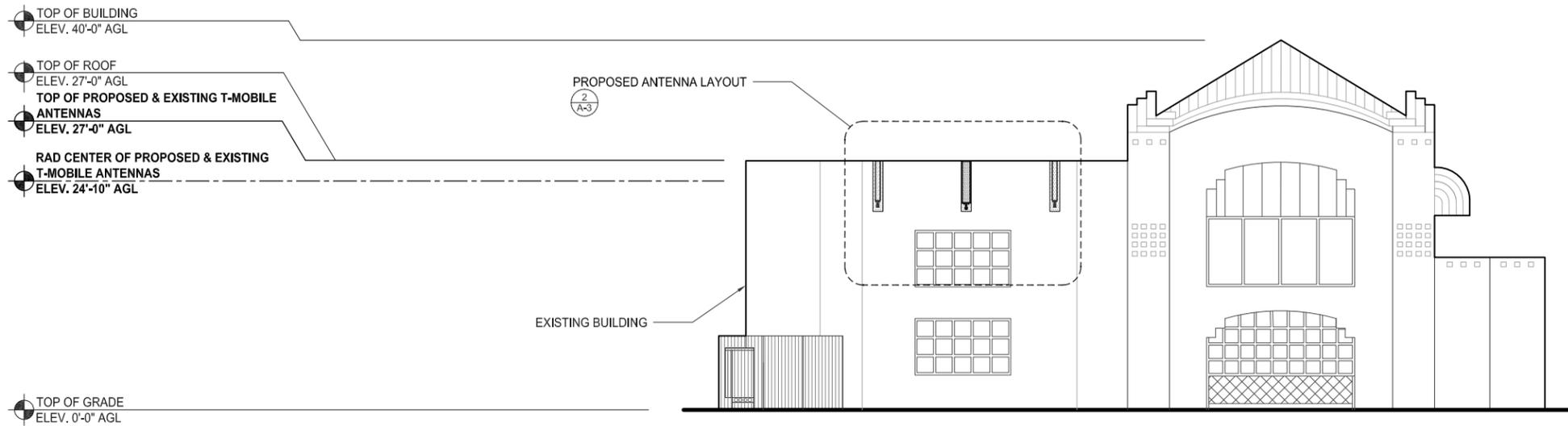
SHEET TITLE
EXISTING & PROPOSED
EQUIPMENT PLANS &
ANTENNA MOUNTING
DETAIL

SHEET NUMBER
A-4

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PROPOSED NORTH ELEVATION

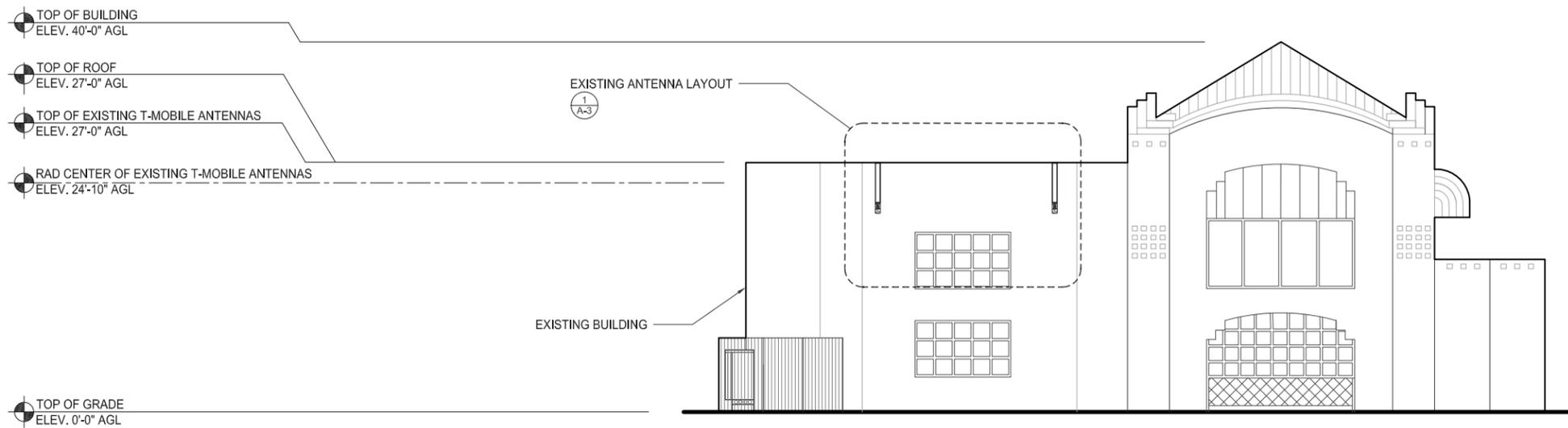


SCALE: 1/8"=1'-0" (22x34)
 (OR) 1/16"=1'-0" (11x17)

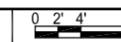
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| REVISIONS | | | |
|-----------|----------|-------------|----------|
| REV. | DATE | DESCRIPTION | INITIALS |
| 0 | 03/18/16 | 90% CD's | CA |
| 1 | 03/24/16 | 100% CD's | DN |
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| 3 | 09/08/16 | JX COMMENTS | CA |

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EXISTING NORTH ELEVATION



SCALE: 1/8"=1'-0" (22x34)
 (OR) 1/16"=1'-0" (11x17)

1

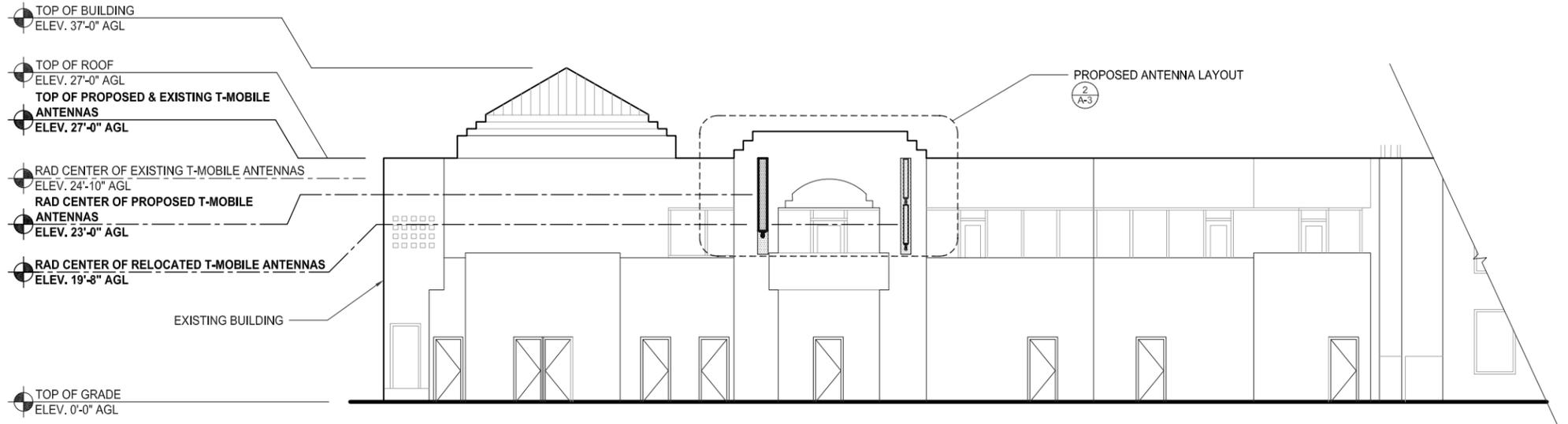
LICENSED ARCHITECT
 WRESTOR T. POPOWYCH
 C-27496
 RENEWAL 4-30-17
 STATE OF CALIFORNIA
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SHEET TITLE
 EXISTING & PROPOSED
 NORTH ELEVATIONS

SHEET NUMBER
 A-5

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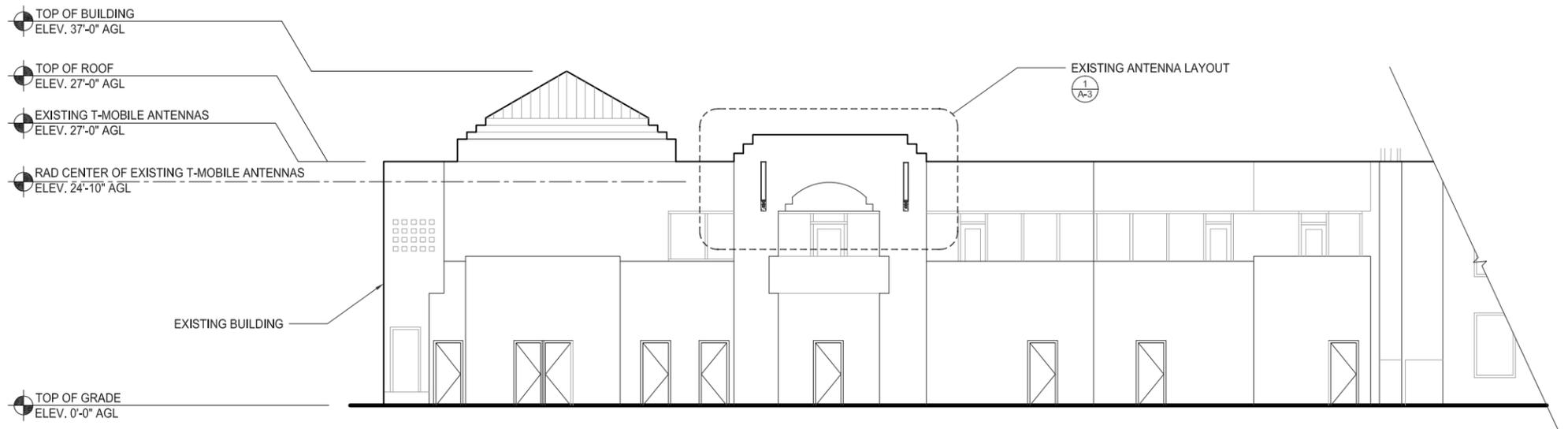
PROPOSED EAST ELEVATION

0 2' 4' 8" SCALE: 1/8"=1'-0" (22x34)
(OR) 1/16"=1'-0" (11x17)

2

| REVISIONS | | | |
|-----------|----------|-------------|----------|
| REV. | DATE | DESCRIPTION | INITIALS |
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| 3 | 09/08/16 | JX COMMENTS | CA |

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EXISTING EAST ELEVATION

0 2' 4' 8" SCALE: 1/8"=1'-0" (22x34)
(OR) 1/16"=1'-0" (11x17)

1



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SD06052A
600 PALM AVE
IMPERIAL BEACH, CA 91932

SHEET TITLE
**EXISTING & PROPOSED
EAST ELEVATIONS**

SHEET NUMBER
A-6

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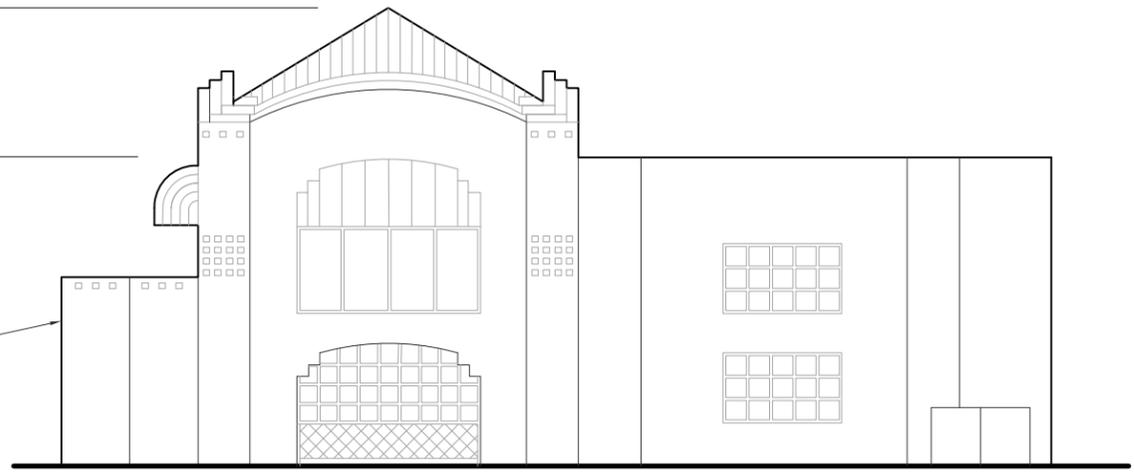
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TOP OF BUILDING
 ELEV. 40'-0" AGL

TOP OF ROOF
 ELEV. 27'-0" AGL

TOP OF GRADE
 ELEV. 0'-0" AGL

EXISTING BUILDING



PROPOSED SOUTH ELEVATION

0 2' 4' 8' SCALE: 1/8"=1'-0" (22x34)
 (OR) 1/16"=1'-0" (11x17) 2

| REVISIONS | | | |
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| 1 | 03/24/16 | 100% CD's | DN |
| △ | 07/19/16 | JX COMMENTS | CA |
| △ | 09/08/16 | JX COMMENTS | CA |
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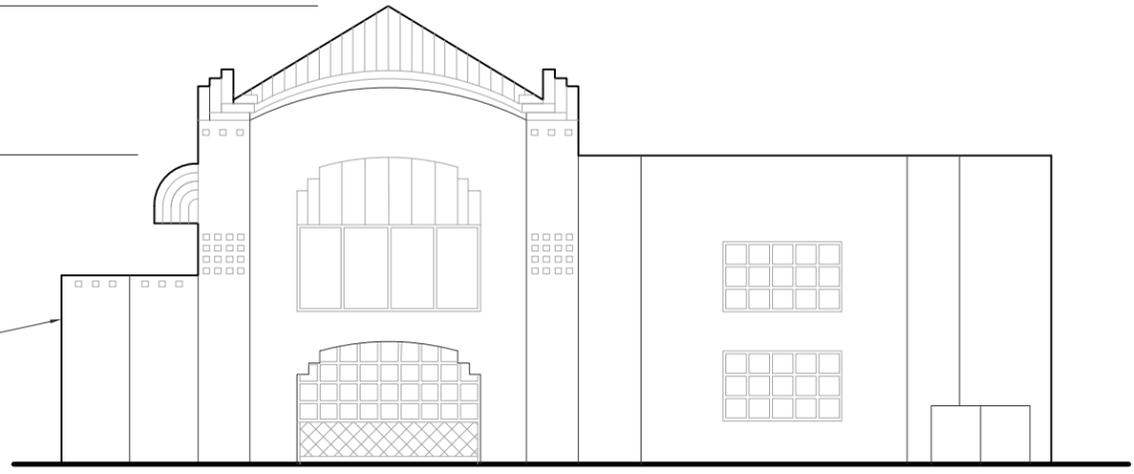
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TOP OF BUILDING
 ELEV. 40'-0" AGL

TOP OF ROOF
 ELEV. 27'-0" AGL

TOP OF GRADE
 ELEV. 0'-0" AGL

EXISTING BUILDING



EXISTING SOUTH ELEVATION

0 2' 4' 8' SCALE: 1/8"=1'-0" (22x34)
 (OR) 1/16"=1'-0" (11x17) 1

LICENSED ARCHITECT

WESTON T. POPOWYCH
 C-27496
 RENEWAL 4-30-17

STATE OF CALIFORNIA

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SHEET TITLE

EXISTING & PROPOSED
 SOUTH ELEVATIONS

SHEET NUMBER

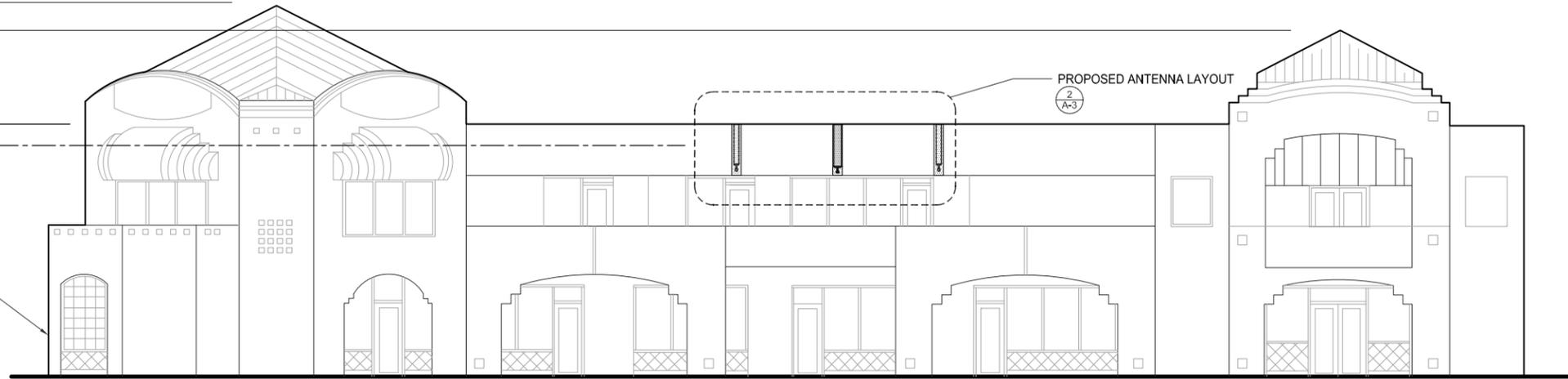
A-7

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- TOP OF BUILDING
ELEV. 40'-0" AGL
- TOP OF BUILDING
ELEV. 37'-0" AGL
- TOP OF ROOF
ELEV. 27'-0" AGL
- TOP OF PROPOSED & EXISTING T-MOBILE
ANTENNAS
ELEV. 27'-0" AGL
- RAD CENTER OF PROPOSED & EXISTING
T-MOBILE ANTENNAS
ELEV. 24'-10" AGL

- TOP OF GRADE
ELEV. 0'-0" AGL

EXISTING BUILDING



PROPOSED WEST ELEVATION



SCALE: 1/8"=1'-0" (22x34)
(OR) 1/16"=1'-0" (11x17)

2

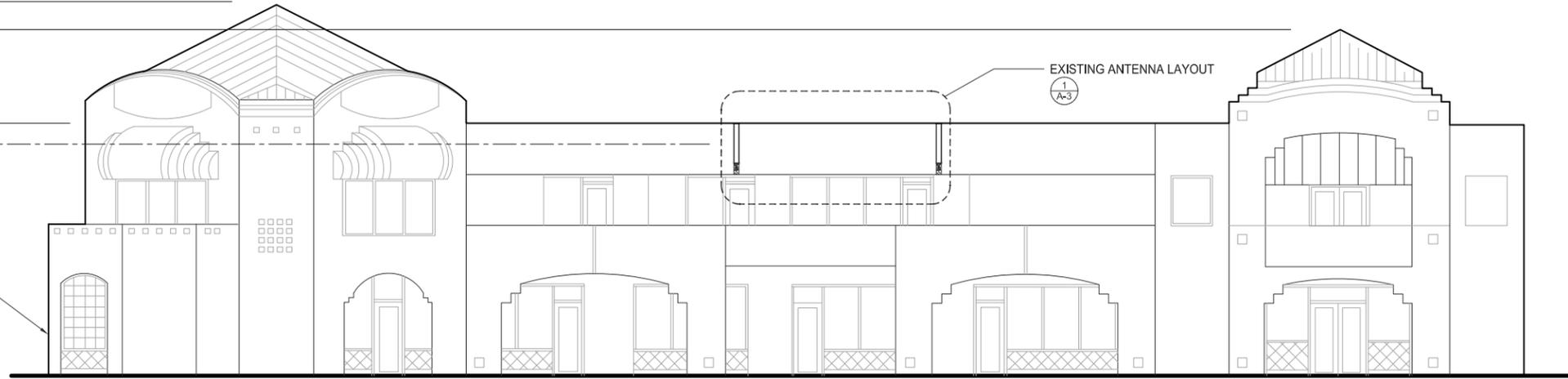
| REVISIONS | | | |
|-----------|----------|-------------|----------|
| REV. | DATE | DESCRIPTION | INITIALS |
| 0 | 03/18/16 | 90% CD's | CA |
| 1 | 03/24/16 | 100% CD's | DN |
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| △ | 09/08/16 | JX COMMENTS | CA |
| | | | |
| | | | |

NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET

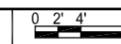
- TOP OF BUILDING
ELEV. 40'-0" AGL
- TOP OF BUILDING
ELEV. 37'-0" AGL
- TOP OF ROOF
ELEV. 27'-0" AGL
- TOP OF EXISTING T-MOBILE ANTENNAS
ELEV. 27'-0" AGL
- RAD CENTER OF EXISTING T-MOBILE ANTENNAS
ELEV. 24'-10" AGL

- TOP OF GRADE
ELEV. 0'-0" AGL

EXISTING BUILDING

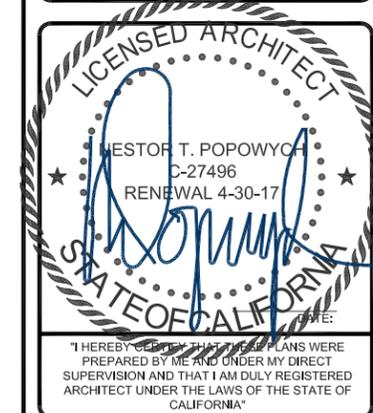


EXISTING WEST ELEVATION



SCALE: 1/8"=1'-0" (22x34)
(OR) 1/16"=1'-0" (11x17)

1



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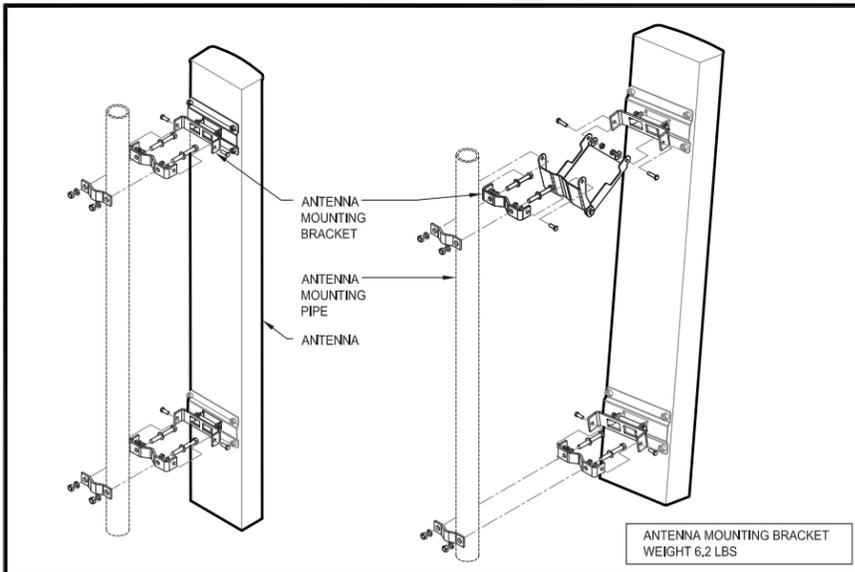
SD052
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SHEET TITLE
**EXISTING & PROPOSED
WEST ELEVATIONS**

SHEET NUMBER
A-8



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| | | |
|----------------------------------|--------------------|---|
| DB380 - ANTENNA MOUNTING BRACKET | 1"=1'-0" (22x34) | 9 |
| | 1/2"=1'-0" (11x17) | |

EXISTING RBS 2106
EXISTING RECTIFIERS TO BE UPGRADED TO SUPPORT L700 EQUIPMENT
(4) EXISTING BATTERIES: FIAMM 12UMTX100/19FT TO REMAIN AS IS

BATTERY MANUFACTURER: FIAMM
MODEL NUMBER: 12UMTX100/19FT
ELECTROLYTE CONTENT PER BATTERY: 1.2 GALLONS
ELECTROLYTE HAZARD CLASSIFICATION PER '13 C.F.C. (8.7% SULFURIC ACID): CORROSIVE
NUMBER OF BATTERIES INSTALLED: 4 (4 MAX PER CABINET)

TOTAL ELECTROLYTE CONTAINED ON SITE (1.2GAL. X 4 X 1 CABINET): 4.8 GAL. (24 GAL. MAX)

| | |
|----------------------------------|---|
| EXISTING EQUIPMENT SPECIFICATION | 6 |
|----------------------------------|---|

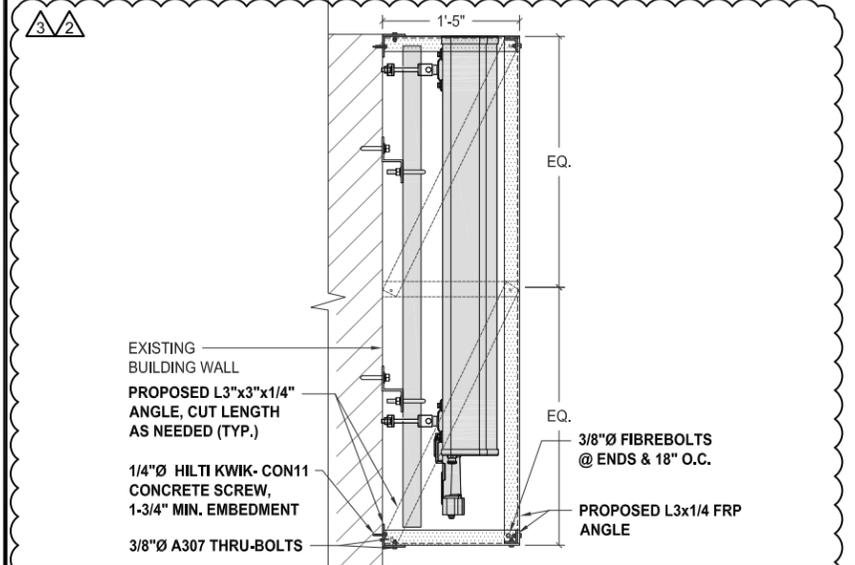
MANUFACTURER: ERICSSON
MODEL: SXX 125 0247/1
SINGLE RRU WALL SUPPORT KIT

MECHANICAL CLAMP PROFILES: ALUMINUM, NATURE ANODIZED
SUPPORT ARMS: ALUMINUM, NATURE ANODIZED
FASTENERS: ACID PROOF STAINLESS STEEL
MOUNTING PIPE: 1"-2-3/8", ORDER SEPARATELY
WEIGHT: 6.6 LBS

REMOTE RADIO UNIT

MOUNT TO WALL OR UNISTRUT

| | | |
|--------------------|----------------------|---|
| WALL MOUNTED RADIO | 1-1/2"=1'-0" (22x34) | 3 |
| | 3/4"=1'-0" (11x17) | |



| | | |
|-------------|-------------------------|---|
| NEW FRP BOX | 1-1/2"=1'-0" (22x34) | 8 |
| | (OR) 3/4"=1'-0" (11x17) | |

MANUFACTURER: FIAMM
MODEL: 12UMTX100/19FT

10 HOUR CAPACITY TO 1.80VPC @ 20°C (68F): 100Ah

FLOAT VOLTAGE: 12V
NOMINAL VOLTAGE: 12V
IMPEDANCE (1kHz): 3.7
CONDUCTANCE: 1.288 S
SHORT CIRCUIT CURRENT: 3.500 A
MAXIMUM CHARGE CURRENT: NO LIMIT

WEIGHT: 74.8Lbs.
HEIGHT: 10.83 in.
WIDTH: 4.25 in.
DEPTH: 15.55 in.
TERMINAL: FEMALE M6

| | | |
|---------|------------------|---|
| BATTERY | 2"=1'-0" (22x34) | 7 |
| | 1"=1'-0" (11x17) | |

MANUFACTURER: COMMSCOPE
MODEL: LNX-6515DS
FREQUENCY RANGE: 698-806, 806-896 MHz
IMPEDANCE: 50 ohms
VSWR: 1.4|15.6 dB
POLARIZATION: ±45°
CONNECTOR: 2 X 7-16DIN female BOTTOM
ISOLATION: 30dB
MAXIMUM INPUT POWER: 400 WATTS

MECHANICAL WEIGHT: 43.7LBS
DIMENSIONS (LxWxD): 96.6"x11.9"x7.1"
WIND LOAD: 878.0 N @ 150KM/H
197.4 LBF @ 150KM/H
MOUNTING HARDWARE: DB380 (INCLUDED)

| | | |
|------------------------|--------------------|---|
| LNX-6515DS-A1M ANTENNA | 1/2"=1'-0" (22x34) | 5 |
| | 1/4"=1'-0" (11x17) | |

MANUFACTURER: VALMONT
MODEL: SP250
CANTILEVER WALL MOUNT

STAND OFF: 6"
MOUNTING PIPE: 2-3/8"-3", ORDER SEPARATELY

- THE BRACKETS ARE 14-1/2" WIDE AND STAND 2-3/4" OR 6" OFF WALL.
- ACCEPTS 2-3/8" OR 3" MOUNTING PIPES THAT MUST BE ORDERED SEPARATELY P:165 OF CATALOG OR AT BULK PIPE IN HARDWARE SECTION.
- INCLUDES U-BOLTS FOR 2-3/8" PIPES. ORDER U-BOLTS FOR 3" PIPE SEPARATELY P:166 OF CATALOG OR AT U-BOLTS OF HARDWARE SECTION.
- ORDER HARDWARE TO MOUNT TO HOLLOW OR SOLID WALLS.
- 9/16" MOUNTING HOLES FOR 1/2" HARDWARE ON 12" CENTERS

| | | |
|-----------------------|--------------------|---|
| CANTILEVER WALL MOUNT | 1"=1'-0" (22x34) | 4 |
| | 1/2"=1'-0" (11x17) | |

MANUFACTURER: ERICSSON
MODEL: RRUS-11
FREQUENCY RANGE: 1710 - 2155 MHZ
IMPEDANCE: 50 OHMS
AZIMUTH BW: 64.5° ± 8°
ELEVATION BW: 7.2° ± 1.2°
GAIN, dB: 17.5 ± 0.8
POLARIZATION: ±45°
VSWR: 1.35:1 / 16.5
PORT-TO-PORT ISOLATION: >30 dB
ELECTRICAL TILT RANGE: 2° - 10° ± 0.9°
MAX. INPUT POWER: 250 WATTS
LIGHTNING PROTECTION: DC GROUND
GAIN VARIATION: 1.3 dB
ELECTRICAL TILT ACC.: <0.55°
AZIMUTH HPBW: 11.5°

MECHANICAL NET WEIGHT: 50 LBS (INCLUDING MOUNTING BRACKET)
DIMENSION (LxWxD): 19.7"x17"x7.2"
COLOR: WHITE
MOUNTING: STANDARD MOUNTING BRACKET
HOT DIP GALVANIZED

| | | |
|------------|--------------------|---|
| RRUS11 B12 | 1"=1'-0" (22x34) | 2 |
| | 1/2"=1'-0" (11x17) | |

MANUFACTURER: COMMSCOPE
MODEL: LNX-6513DS-A1M
FREQUENCY RANGE: 698-806 MHz
IMPEDANCE: 50 OHMS
GAIN, dB: 14.8-15.1
POLARIZATION: ±45°
INPUT POWER PER PORT: 400 WATTS
VSWR dB: 1.4 | 15.6
ISOLATION dB: 30
LIGHTNING PROTECTION: DC GROUND

ELECTRICAL GAIN AVERAGE dB: 14.6-14.9
GAIN TOLERANCE dB: ±0.5±0.2
BWWIDTH HORIZONTAL: ±0.9±1
BWWIDTH VERTICAL: ±1±0.8

MECHANICAL NET WEIGHT: 26.0 LBS
DIMENSION (LxWxD): 54.9"x11.9"x7.1"
MAX. WIND LOAD: 98.5 LBF
MAX. WIND SPEED: 150 MPH
HARDWARE MATERIAL: HOT DIP GALVANIZED
CONNECTOR TYPE: 7 - 16 DIN, FEMALE (2)
VSWR: LIGHT GRAY
STANDARD MOUNTING: DB380

| | | |
|----------------|--------------------|---|
| LNX-6513DS-A1M | 1"=1'-0" (22x34) | 1 |
| | 1/2"=1'-0" (11x17) | |

T-Mobile
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SAN DIEGO, CA 92121
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SAN DIEGO, CA 92122
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619.736.3766

| REVISIONS | | | |
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| REV. | DATE | DESCRIPTION | INITIALS |
| 0 | 03/18/16 | 90% CD's | CA |
| 1 | 03/24/16 | 100% CD's | DN |
| 2 | 07/19/16 | JX COMMENTS | CA |
| 3 | 09/08/16 | JX COMMENTS | CA |

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LICENSED ARCHITECT
WESTON T. POPOWYCH
C-27496
RENEWAL 4-30-17
STATE OF CALIFORNIA

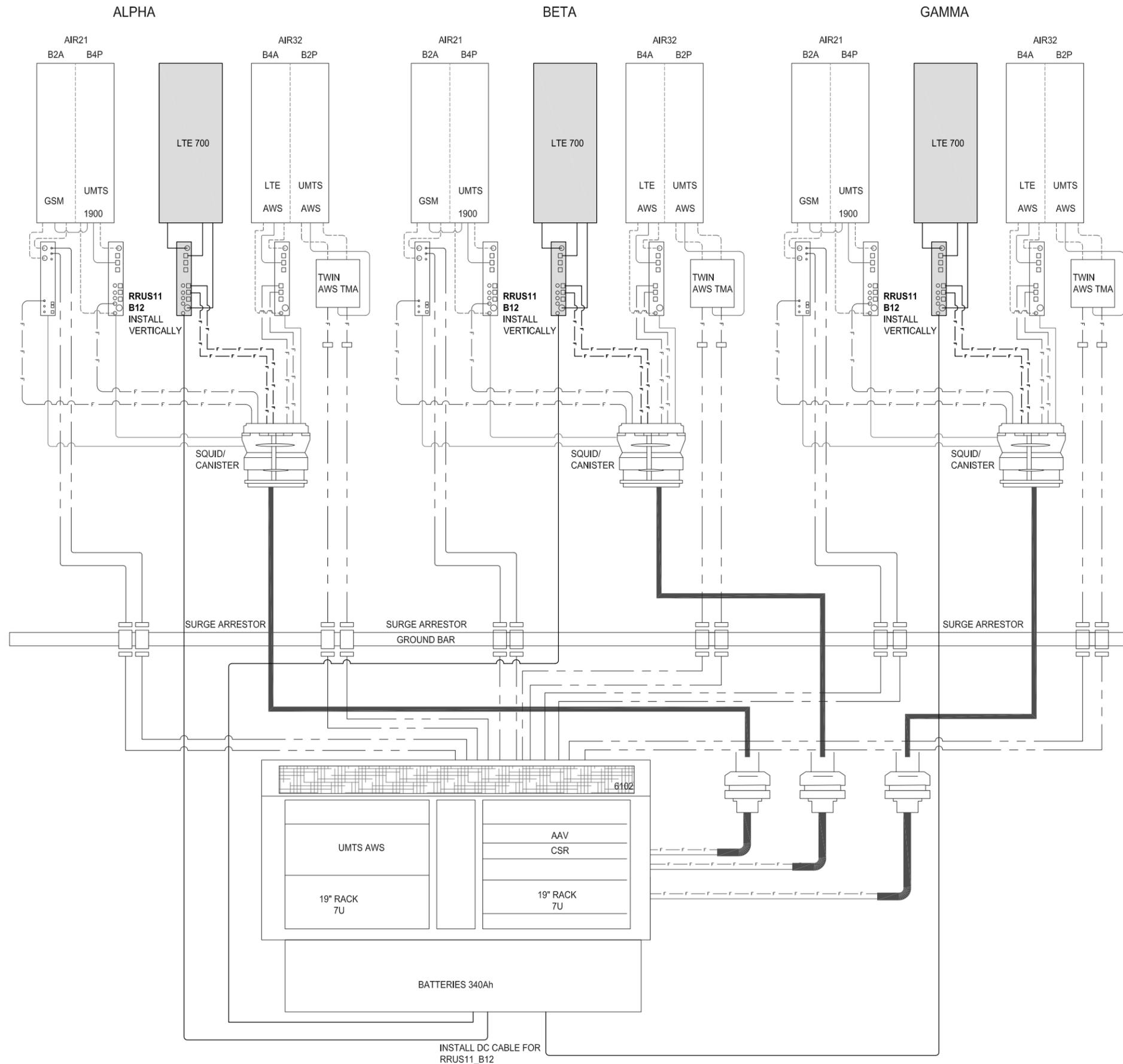
"I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME AND UNDER MY DIRECT SUPERVISION AND THAT I AM DULY REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA"

SD052
SD06052A
600 PALM AVE
IMPERIAL BEACH, CA 91932

SHEET TITLE
EQUIPMENT DETAILS & SPECIFICATIONS

SHEET NUMBER
A-9

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EQUIPMENT CONFIGURATION

SCALE
N.T.S. 1

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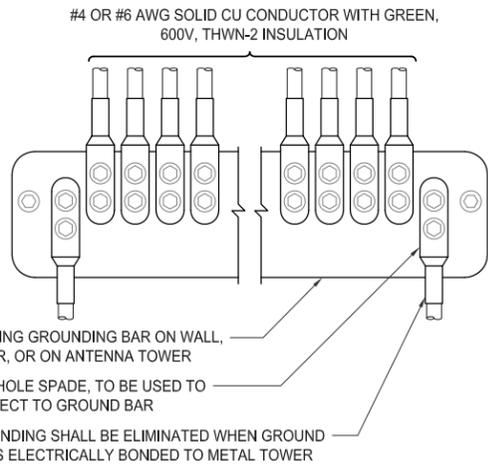
LICENSED ARCHITECT
 NESTOR T. POPOWYC
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 RENEWAL 4-30-17
 STATE OF CALIFORNIA
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SD052
 SD06052A
 600 PALM AVE
 IMPERIAL BEACH, CA 91932

SHEET TITLE
EQUIPMENT CONFIGURATION

SHEET NUMBER
A-10

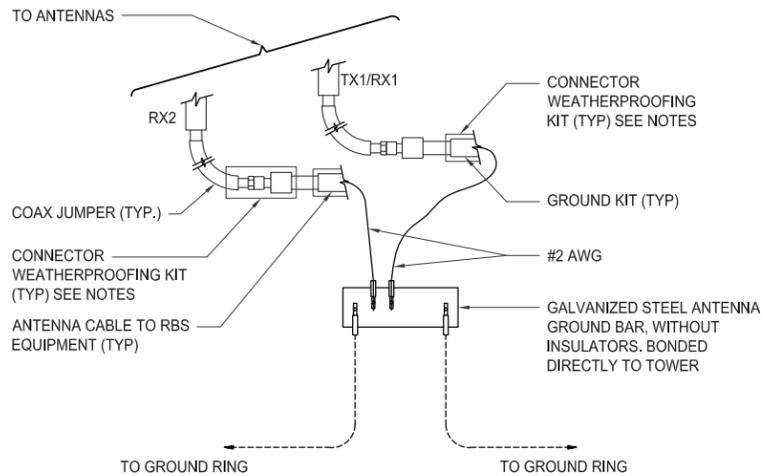
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1. APPLY NO-OX TO LUG AND BAR CONTACT SURFACE. DO NOT COAT INLINE LUG.
2. IF STOLEN GROUND BARS ARE ENCOUNTERED, CONTACT T-MOBILE CM FOR REPLACEMENT THREADED ROD KIT.

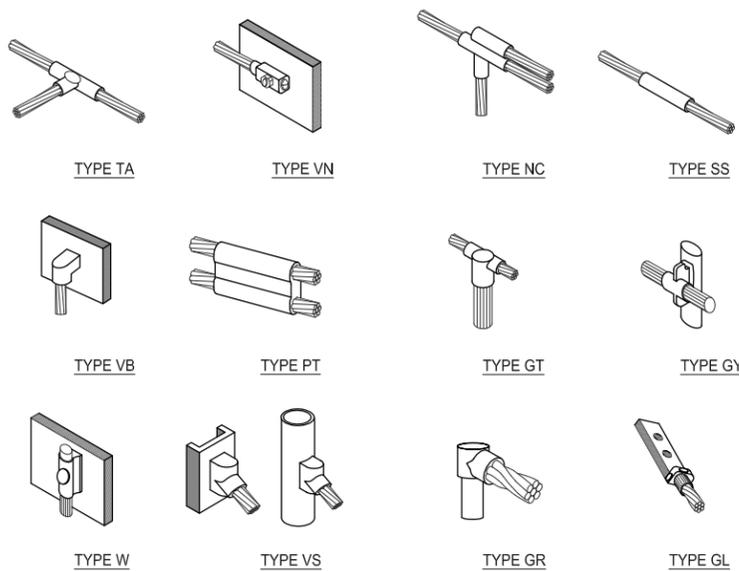
WIRE INSTALLATION

SCALE N.T.S. 6



GROUND CABLE CONNECTION

SCALE N.T.S. 5



EXOTHERMIC WELD CONNECTIONS

SCALE N.T.S. 4

- 1 ANTENNA GROUND BUS BAR NEAR ANTENNA MOUNTS WITH COAX GROUND KIT. SEE DETAIL 5/G-1.
- 2 EQUIPMENT GROUND BUS BAR NEAR EQUIPMENT WITH COAX GROUND KIT. SEE DETAIL 6/G-1.
- 3 #6 AWG GROUND FROM ANTENNA GROUND BUS BAR TO TIE INTO EXISTING GROUNDING SYSTEM (TYP OF (2) PLACES). SEE DETAIL 6/G-1.
- 4 #6 AWG GROUND FROM ANTENNAS TO ANTENNA GROUND BUS BAR. SEE DETAIL 5/G-1.
- 5 #6 AWG GROUND FROM RADIOS TO ANTENNA GROUND BUS BAR. SEE DETAIL 5/G-1.
- 6 #6 AWG GROUND MMBTS GROWTH CABINET TO EQUIPMENT GROUND BUSS BAR. SEE DETAIL 6/G-1.
- 7 #6 AWG GROUND FROM NEW GROUND BUS BAR TO TIE INTO EXISTING GROUNDING SYSTEM (TYP OF (2) PLACES). SEE DETAIL 4/G-1.

GROUNDING LEGEND

| SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION |
|--------|---|--------|----------------|
| ⊗ | COPPER GROUND ROD | ⊗ | TEST WELL |
| ● | MECHANICAL CONNECTION | ⊞ | GROUND BAR |
| ■ | CADWELD CONNECTION | — G — | GROUNDING WIRE |
| ⚡ | FIELD VERIFY & TIE INTO EXISTING GROUNDING SYSTEM | | |

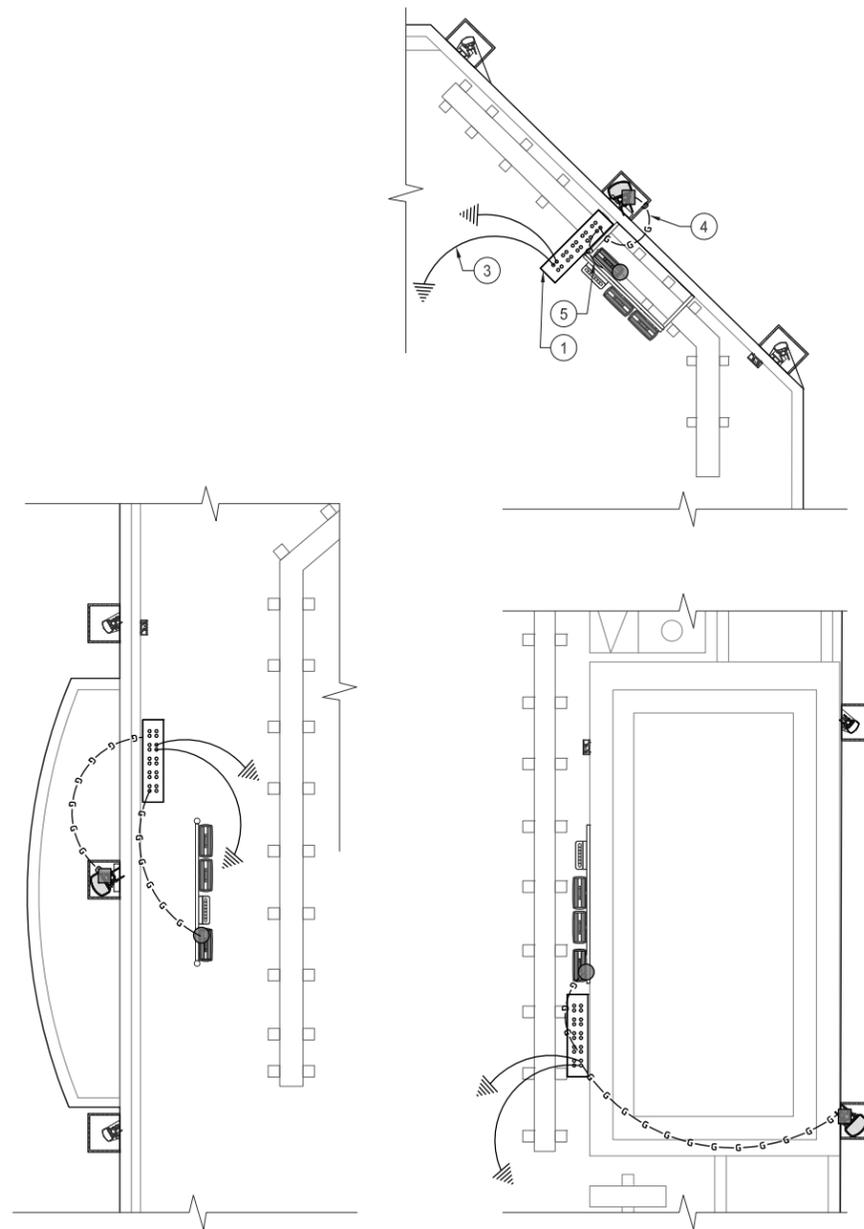
GROUNDING KEY

SCALE N.T.S. 3

1. ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL INSTALLATION AND CONSTRUCTION MAY VARY DUE TO SITE SPECIFIC CONDITIONS.
2. GROUND ALL ANTENNA BASES, FRAMES, CABLE RUNS, AND OTHER METALLIC COMPONENTS USING GROUND WIRES AND CONNECT TO SURFACE MOUNTED BUS BARS. FOLLOW ANTENNA AND BTS MANUFACTURERS PRACTICES FOR GROUNDING REQUIREMENTS. GROUND COAX SHIELDS AT BOTH ENDS AND EXIT FROM TOWER OR POLE USING MFR'S PRACTICES.
3. ALL GROUND WIRE SHALL BE GREEN INSULATED WIRE ABOVE GROUND.
4. CONTRACTOR TO VERIFY AND TEST GROUND TO SOURCE. GROUNDING AND OTHER OPERATIONAL TESTING WILL BE WITNESSED BY A T-MOBILE REPRESENTATIVE.
5. REFER TO DIVISION 16 GENERAL ELECTRIC; GENERAL ELECTRICAL PROVISION AND COMPLY WITH ALL REQUIREMENTS OF GROUNDING STANDARDS.
6. CONTRACTOR TO ABIDE BY ALL T-MOBILE SAFETY STANDARDS DURING SITE CONSTRUCTION.
7. CONTRACTOR SHALL REFER TO T-MOBILE STANDARDS FOR GROUNDING CONNECTIONS & INSTALLATION METHODS.
8. ELECTRICAL CONTRACTOR TO PROVIDE DETAILED DESIGN OF GROUNDING SYSTEM, AND RECEIVE APPROVAL OF DESIGN BY AUTHORIZED T-MOBILE REPRESENTATIVE, PRIOR TO INSTALLATION OF GROUNDING SYSTEM. PHOTO DOCUMENT ALL CADWELDS AND GROUND RING.
9. NOTIFY CONSTRUCTION MANAGER IF THERE ARE ANY DIFFICULTIES INSTALLING GROUNDING SYSTEM DUE TO SITE SOIL CONDITIONS.
10. GROUNDING ROD NOTES (WHERE APPLICABLE)
11. ELECTRICAL CONTRACTOR SHALL ORDER GROUND RESISTANCE TESTING ONCE THE GROUND SYSTEM HAS BEEN INSTALLED; A QUALIFIED INDIVIDUAL, UTILIZING THE FALL OF POTENTIAL METHOD, SHOULD PERFORM THE TEST. THE REPORT WILL SHOW THE LOCATION OF THE TEST AND CONTAIN NO LESS THAN 9 TEST POINTS ALONG THE TESTING LINE, GRAPHED OUT TO SHOW THE PLATEAU.
12. POINT GROUND TEST OR 3 POINT 62% TESTS WILL NOT BE ACCEPTED AS ALTERNATIVES TO THE AFORE MENTIONED GROUND TESTS. TEST SHALL BE PERFORMED WHILE THE COUNTERPOISE IS ISOLATED. TEST SHALL BE PERFORMED WHILE THE COUNTERPOISE IS ISOLATED FROM THE A/C SYSTEM GRIDS AND EXISTING COMMUNICATIONS FACILITY.

GENERAL GROUNDING NOTES

SCALE N.T.S. 2

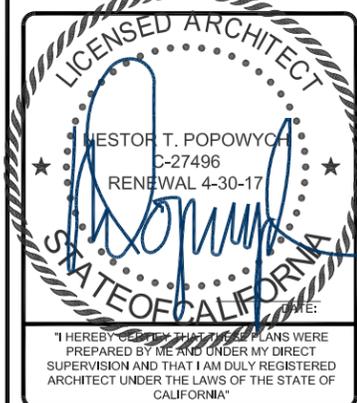


SCHEMATIC ANTENNA GROUNDING PLAN

SCALE: 1/4"=1'-0" (22x34) (OR) 1/8"=1'-0" (11x17)

| REVISIONS | | | |
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SHEET TITLE
SCHEMATIC GROUNDING PLANS, NOTES & DETAILS

SHEET NUMBER
G-1

1