35313

FIRST AMENDMENT TO IN BUILDING RADIO DISTRIBUTION AGREEMENT

This First Amendment to In Building Radio Distribution Agreement ("Amendment") is hereby entered into by and between Los Angeles SMSA Limited Partnership, a California limited partnership dba Verizon Wireless ("Licensee") and the City of Long Beach ("Licensor").

A. Licensee and Licensor are parties to that certain In Building Radio Distribution Agreement last executed on July 30, 2019 (the "**Agreement**") for the installation, maintenance and operation by Licensee of a distributed antenna system ("**System**") at Licensor's property located at 411 and 415 West Ocean Boulevard, Long Beach, California ("**Property**").

B. Licensee and Licensor now desire to amend the Agreement to permit Licensee to modify the System and install additional equipment in connection with expanding coverage at Public Safety Parking Structure located at 115 Chestnut Avenue, Long Beach, California, also owned by Licensor and to be categorized as Property in accordance with this Agreement.

NOW, THEREFORE, in consideration of the facts contained in the Recitals above, the mutual covenants and conditions below, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

1. **Equipment**. The in-building equipment shall be expanded to include the equipment, antennas, repeaters, amplifiers, base station equipment, cables, wiring, and associated network devices as described and depicted in Attachment 1 attached hereto and incorporated herein by this reference.

2. **Property**. Licensor and Licensee acknowledge and agree that the definition of "Property" shall hereinafter include that certain real property located at 115 Chestnut Avenue, Long Beach, California.

3. **Entire Amendment**. Except as specifically modified by this Amendment, all of the terms and conditions of the Agreement shall remain in full force and effect. In the event of a conflict between any term or provision of the Agreement and this Amendment, the terms and provisions of this Amendment shall control. Any capitalized terms used in this Amendment that are not defined herein shall have the meanings given those terms in the Agreement. All captions are for reference purposes only and shall not be used in the construction or interpretation of this Amendment.

[Signatures appear on next page]

IN WITNESS WHEREOF, Verizon Wireless and Licensor have caused this Amendment to be executed by each party's duly authorized representative effective as of the date last written below.

LICENSOR:

City of Long Beach

By: _____
Name: Tom Modica
Title: City Manager
Date: July 21, 2022

APPROVED AS TO FORM
July 19, 2022
CHARLES PARKIN, City Attorney
By _____
ERIN WEESNER-MCKINLEY
DEPUTY CITY ATTORNEY

LICENSEE:

Los Angeles SMSA Limited Partnership, a
California limited partnership dba Verizon Wireless

By: AirTouch Cellular Inc., its General Partner

By: _____
Name: Jill Flynn
Title: Senior Real Estate Manager
Date: 07-12-2022

Attachment 1

Equipment List

Licensor Name: City of Long Beach
Property Address: 411 and 415 West Ocean Boulevard and 115 Chestnut Avenue, Long Beach, California

See attached

Equipment List Report

Project name: Long Beach PD Garage
Project creation date: 2/15/2021
Design company: Enhanced Cellular Design
Designer: CN

Type	Manufacturer	Model	Description	Inventory#	Qty
2217-	Ericsson	Radio 2217 - 2x20W	Ericsson Radio 2217 - 2x20 watts	N/A	2
Antenna	Galtronics	PEAR S5490i - 4.3-10 DIN	Directional Outdoor/In-Building Antenna, V-Pol: 698-2700 MHz, 1x 4.3-10 DIN Female with Cable - P/N: 02130261-05490	N/A	1
Antenna	Galtronics	PEAR GI0801-T6971 Pigtail - 4.3-10 DIN(F)	Small Form Factor Wideband SISO Antenna, 617-4200 MHz, 1x Pigtail 4.3-10 DIN(F). Omni directional antenna for in-building coverage applications such as DAS. Wide band SISO antenna for 5G coverage in 600MHz-3.5GHz	N/A	14
Cable	Times Microwave Systems	SPF25043M43M 3.0F	3ft - 50 Ohm Low Loss, Low PIM Fire Retardant Coaxial Jumper Cable	N/A	48
Cable	CommScope	LDF4-50A	HELIAX® Low Density Foam Coaxial Cable, corrugated copper, 1/2 in, black PE jacket	N/A	1521.46 feet
Cable	Times Microwave Systems	SPO25043M43M R3.0F	3ft - 50 Ohm Low Loss, Low PIM Outdoor Rated Coaxial Jumper Cable	N/A	7
Connector	CommScope	L4HM-D	4.3-10 Male for 1/2 in AL4RPV-50, LDF4-50A, HL4RPV-50 cable	N/A	48
Hybrid Matrix	Microlab/FXR	CM-141E	Hybrid Matrix, Ultra-wideband 4x4, 617-5,925 MHz, 100W/input, 4.3-10 Connectors, Low PIM <-161dBc, IP67, <Last Modified: 06-15-21>	N/A	1
Splitter	Westell	CS64-001-024LP (SPW2-600-6G/4310)	Wilkinson Style 2 Way power Divider, -161 PIM Low Power 50W (600-6000 MHz) 4.3-10 female	CS64-001-024LP	1
Splitter	Westell	CS65-004-084 (DC8/575-6G/4310)	Directional Coupler 8dB, -161dBc PIM, 4.3-10, 575-6000MHz	CS65-004-084	1
Splitter	Westell	CS65-007-154 (DC15/575-6G/4310)	Directional Coupler 15dB, -161dBc PIM, 4.3-10, 575-6000MHz	CS65-007-154	1
Splitter	Westell	CS65-001-054 (DC5/575-6G/4310)	Directional Coupler 5dB, -161dBc PIM, 4.3-10, 575-6000MHz	CS65-001-054	5
Splitter	Westell	CS65-005-104 (DC10/575-6G/4310)	Directional Coupler 10dB, -161dBc PIM, 4.3-10, 575-6000MHz	CS65-005-104	3
Splitter	Westell	CS65-002-064 (DC6/575-6G/4310)	Directional Coupler 6dB, -161dBc PIM, 4.3-10, 575-6000MHz	CS65-002-064	1

izon / 700 MHz - LTE / 1 Sectors
izon / 1900 MHz - PCS - LTE / 1 Sectors
izon / 2100 MHz - AWS - LTE / 1 Sectors

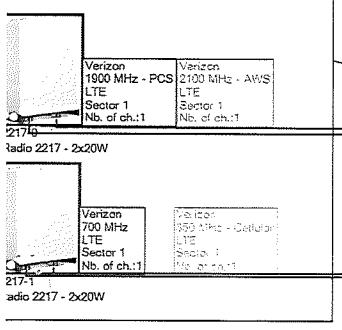
culations legend
izon - 700 MHz - LTE
mposite power [dBm]
izon - 1900 MHz - PCS - LTE
mposite power [dBm]
izon - 2100 MHz - AWS - LTE
mposite power [dBm]

xes legend
LDF4-50A
SPF25043M43M3.0F
SPO25043M43MR3.0F

2" EMT riser between floors using existing core

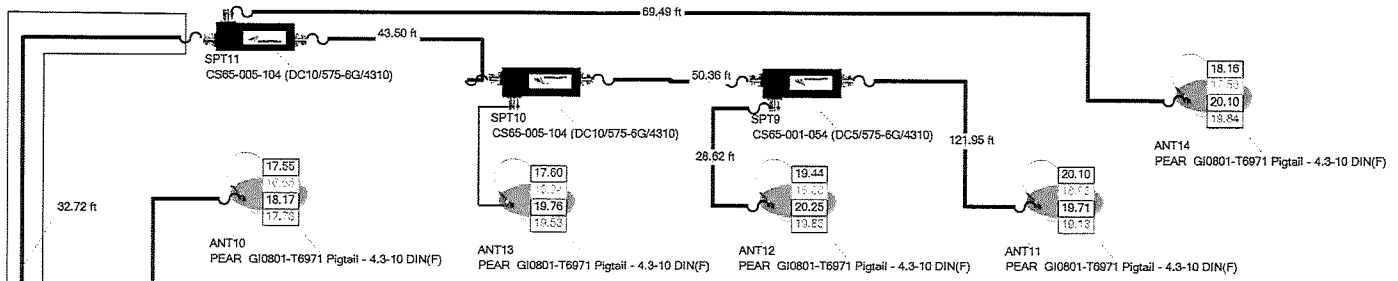
Only vertical riser shown, reference layout plans for horizontal conduit details see P1 Level.

erizon supplied equipment, located on P1 vel of garage in IDF room. Demarkation oint is output of female 4.3-10 for mote radio head.

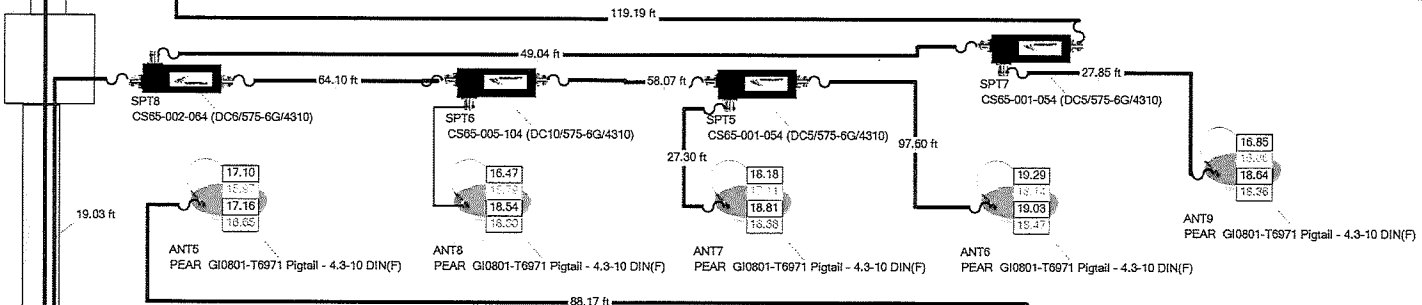


P4 Level

P3 Level

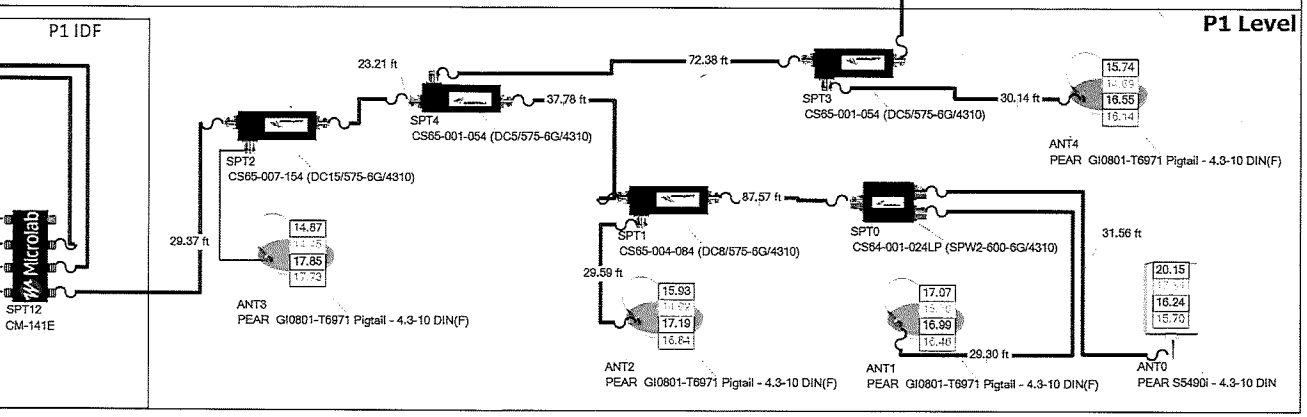


P2 Level



P1 Level

P1 IDF



ENHANCED CELLULAR DESIGN

Enhanced Cellular Design

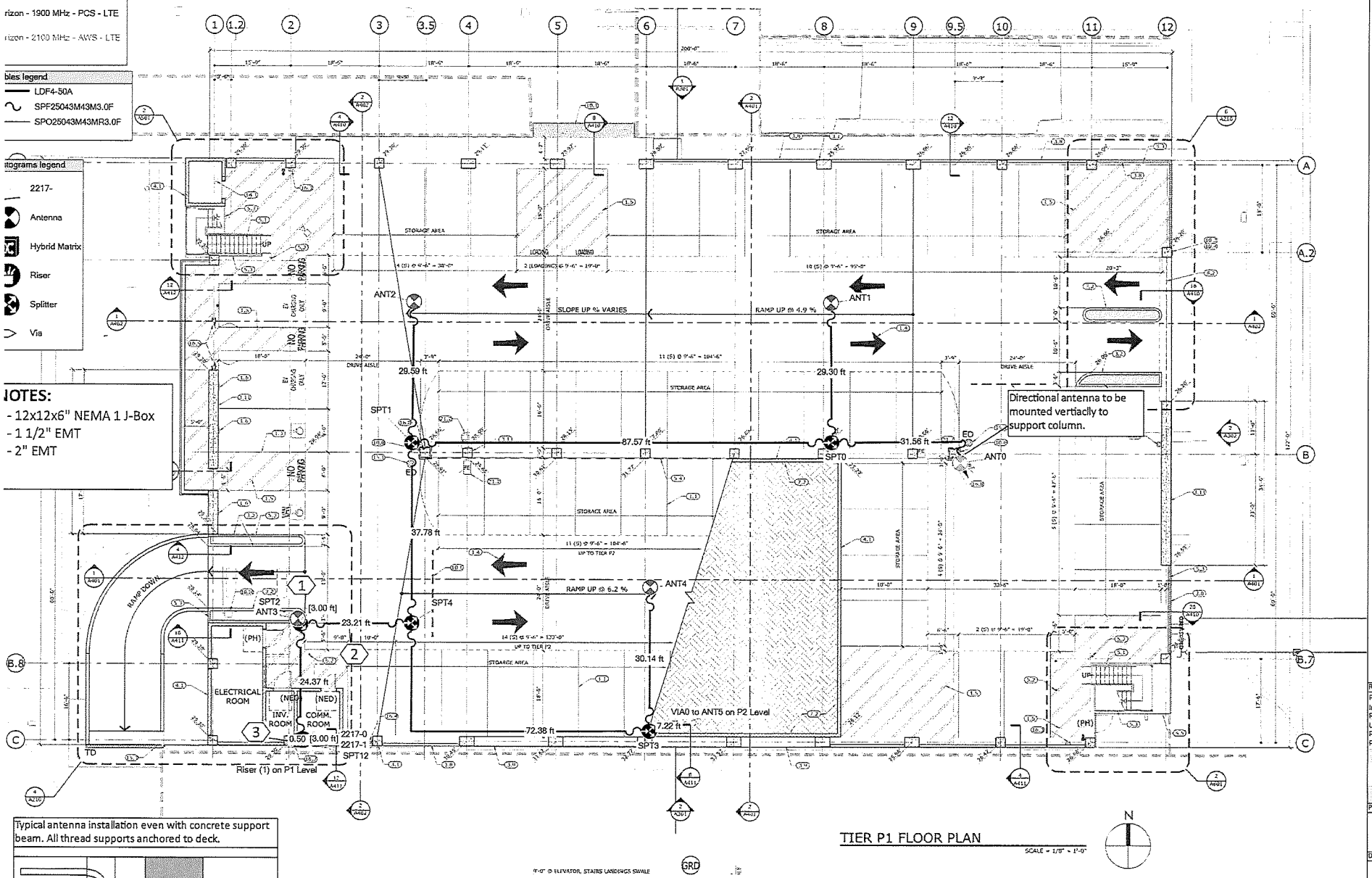
Revision history
Rev1.1 7/28/2021 CN
Initial System Design
Rev2 11/5/2021 CN
Updated to RRH and added conduit details
Rev3.1 11/17/2021 CN
Removed P4 Level equipment

Project name
Long Beach PD Garage

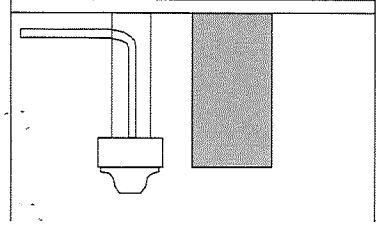
Designer name
CN

Plan name
Design plan

2/15/2021



Typical antenna installation even with concrete support beam. All thread supports anchored to deck.



Enhanced Cellular Design

Revision history

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Project name

Long Beach PD Garage

Designer name

CN

Plan name

P1 Level

2/15/2021

rizon / 700 MHz - LTE / 1 Sectors
rizon / 1900 MHz - PCS - LTE / 1 Sectors
rizon / 2100 MHz - AWS - LTE / 1 Sectors

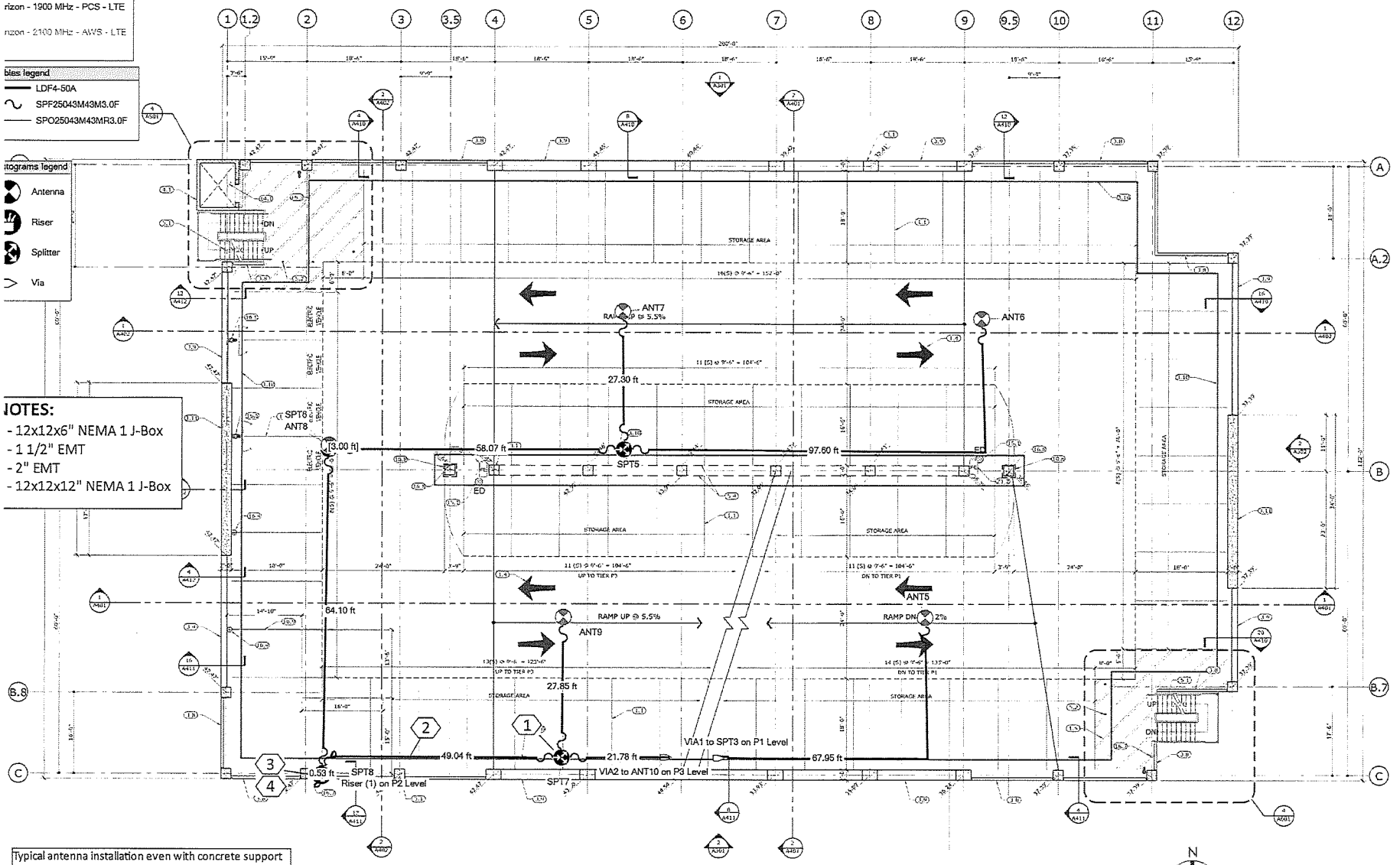
culations legend
rizon - 700 MHz - LTE
rizon - 1900 MHz - PCS - LTE
rizon - 2100 MHz - AWS - LTE

bles legend
LDF4-50A
SPF25043M43M3.0F
SPO25043M43MR3.0F

tograms legend
Antenna
Riser
Splitter
Via

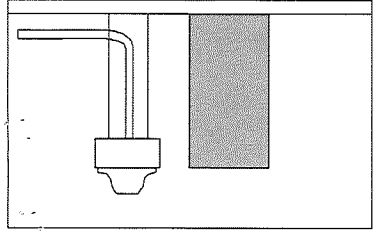
Indoor prediction legend

NOTES:
- 12x12x6" NEMA 1 J-Box
- 1 1/2" EMT
- 2" EMT
- 12x12x12" NEMA 1 J-Box



TIER P2 FLOOR PLAN
SCALE = 1/16" = 1'-0"

Typical antenna installation even with concrete support beam. All thread supports anchored to deck.



Enhanced Cellular Design

Revision history
Rev1.1 7/28/2021 CN
Initial System Design
Rev2 11/5/2021 CN
Updated to RRH and added conduit details
Rev3.1 11/17/2021 CN
Removed P4 Level equipment

Project name
Long Beach PD Garage

Designer name
CN

Plan name
P2 Level

2/15/2021

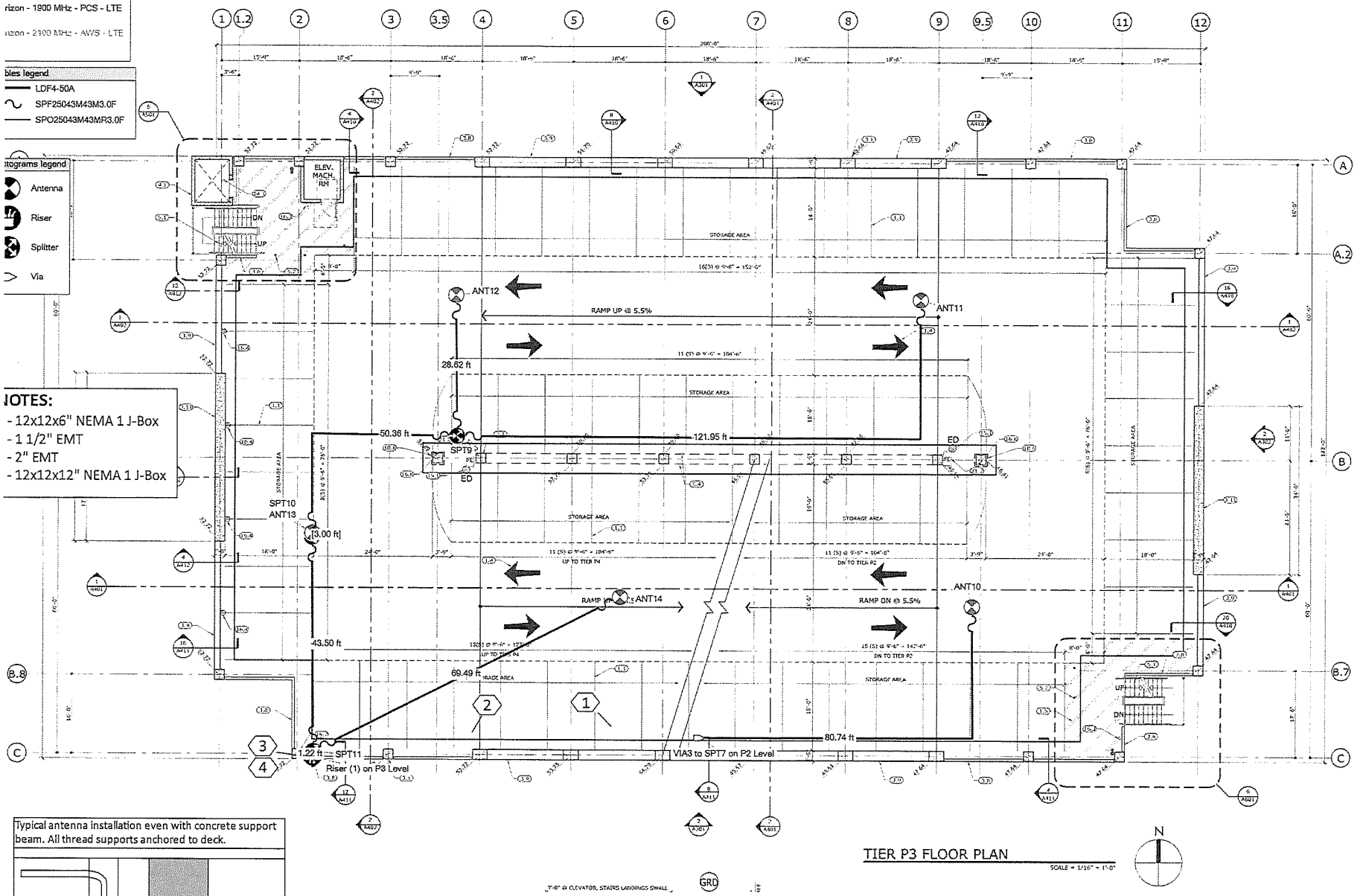
rizon / 700 MHz - LTE / 1 Sectors
rizon / 1900 MHz - PCS - LTE / 1 Sectors
rizon / 2100 MHz - AWS - LTE / 1 Sectors

culations legend
rizon - 700 MHz - LTE
rizon - 1900 MHz - PCS - LTE
rizon - 2100 MHz - AWS - LTE

bles legend
LDF4-50A
SPF25043M43M3.0F
SPO25043M43MR3.0F

tograms legend
Antenna
Riser
Splitter
Via

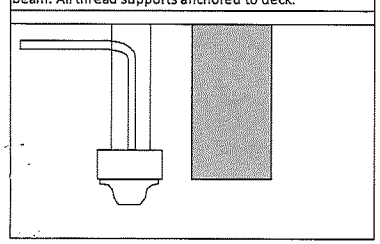
Indoor prediction legend



NOTES:
- 12x12x6" NEMA 1 J-Box
- 1 1/2" EMT
- 2" EMT
- 12x12x12" NEMA 1 J-Box

TIER P3 FLOOR PLAN
SCALE = 1/16" = 1'-0"

Typical antenna installation even with concrete support beam. All thread supports anchored to deck.



ENHANCED CELLULAR DESIGN

Enhanced Cellular Design

Revision history
Rev1 1 7/28/2021 CN
Initial System Design
Rev2 11/5/2021 CN
Updated to RRH and added conduit details
Rev3.1 11/17/2021 CN
Removed P4 Level equipment

Project name
Long Beach PD Garage

Designer name
CN

Plan name
P3 Level

2/15/2021

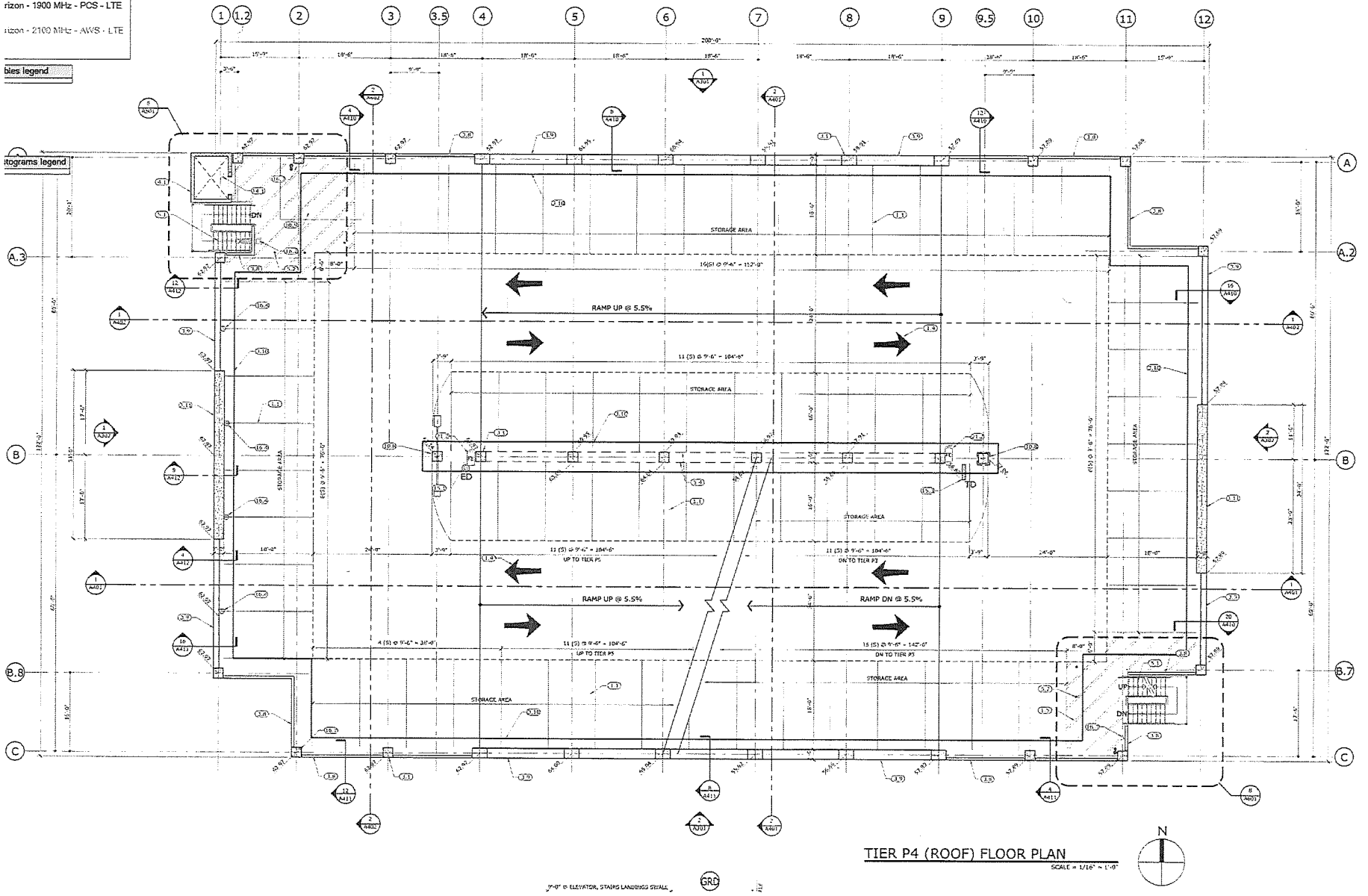
rizon / 700 MHz - LTE / 1 Sectors
rizon / 1900 MHz - PCS - LTE / 1 Sectors
rizon / 2100 MHz - AWS - LTE 1 Sectors

culations legend
rizon - 700 MHz - LTE
rizon - 1900 MHz - PCS - LTE
rizon - 2100 MHz - AWS - LTE

bles legend

tograms legend

Indoor prediction legend



TIER P4 (ROOF) FLOOR PLAN
SCALE = 1/16" = 1'-0"

N

No equipment on this floor

ENHANCED CELLULAR DESIGN

Enhanced Cellular Design

Revision history
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Initial System Design
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Rev3.1 11/17/2021 CN
Removed P4 Level equipment

Project name
Long Beach PD Garage

Designer name
CN

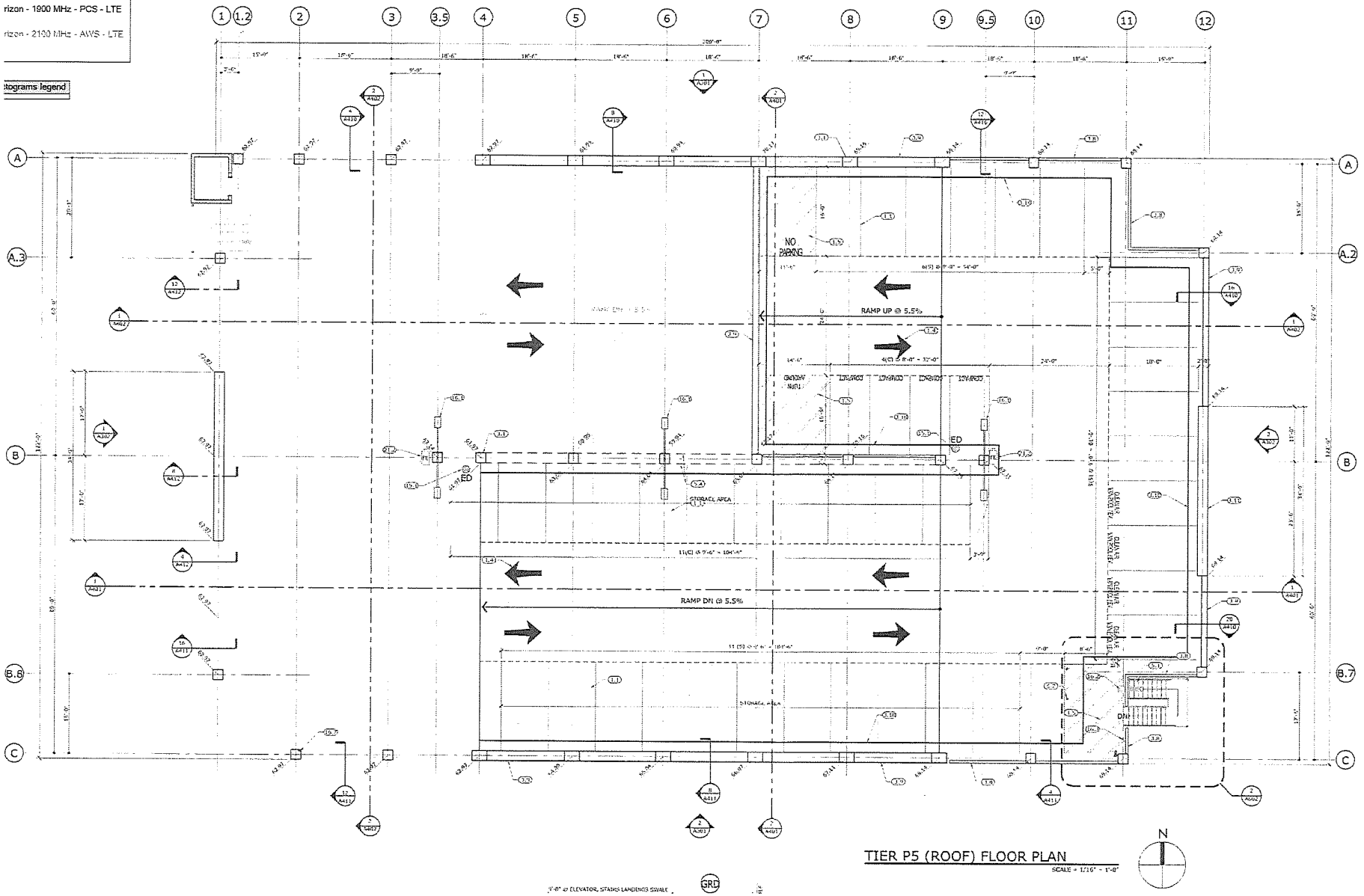
Plan name
P4 Level

2/15/2021

rizon / 700 MHz - LTE / 1 Sectors
rizon / 850 MHz - Cellular - LTE / 1 Sectors
rizon / 1900 MHz - PCS - LTE / 1 Sectors
rizon / 2100 MHz - AWS - LTE / 1 Sectors

culations legend
rizon - 700 MHz - LTE
rizon - 850 MHz - Cellular - LTE
rizon - 1900 MHz - PCS - LTE
rizon - 2100 MHz - AWS - LTE

tograms legend



TIER P5 (ROOF) FLOOR PLAN
SCALE = 1/16" = 1'-0"

N

No equipment on this floor

ENHANCED CELLULAR DESIGN

Enhanced Cellular Design

Revision history
Rev1.1 7/28/2021 CN
Initial System Design
Rev2 11/5/2021 CN
Updated to RRH and added conduit detail
Rev3.1 11/17/2021 CN
Removed P4 Level equipment

Project name
Long Beach PD Garage

Designer name
CN

Plan name
P5 Level

2/15/2021