



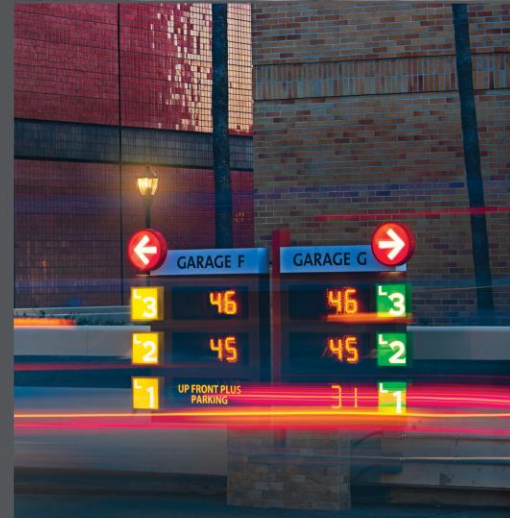
PARK
ASSIST

TKH Security/Park Assist Proposal For **University Station One LLC**

Automated Parking Guidance System

Proposal Presented to
University Station I, LLC
November 19th, 2024

Automated Parking
Guidance System (APGS)



November 19th, 2024

University Station Garage
2031 Polk St
Hollywood, FL 33020



Hi Sir/Madam,

Thank you for the opportunity to submit a proposal for the exciting new development at University Station in Hollywood, FL. We greatly appreciate the opportunity and are confident that our solution and organization are the best fit for this project.

Park Assist/TKH Security is the pioneer of imaging technology in the parking industry and invented the first camera-based parking guidance solution. Today, Park Assist is the industry leader with successful installations of its patented camera solution with over 200 projects in the US. Park Assist has the largest portfolio of projects in the US ranging from airports, shopping centers, hospitals, mixed-use developments, municipalities, universities, casinos, and corporate campuses.

In the proposal response you will find why Park Assist has the best automated parking guidance solution with features that include:

- Proven, patented camera-based guidance technology with industry-leading accuracy, including *Find Your Car™* functionality
- Innovative camera detection technology & license plate inventory
- 99%+ vehicle detection accuracy with monthly verifiable reports
- Cloud-based software, *INX™*, enabling a seamless integration of sensors installed on site to the dashboards and reports delivering rich data analytics
- Real-time alerts to assist operations staff & enforcement
- Optional live streaming video surveillance
- Open API for website and mobile app integrations

On behalf of Park Assist, I want to assure you of our steadfast commitment to make parking at University Station as enjoyable and profitable as the asset itself. Equally important to us is your complete satisfaction. We appreciate the opportunity to work with University Station One LLC & the City of Hollywood and look forward to the next steps!

Sincerely,

Thomas Alexander

Thomas Alexander
Senior Regional Account Executive
t.alexander@tkhsecurity.com
(954) 816-9888

Company History

Park Assist is a business intelligence technology company that utilizes camera-based sensor applications to improve the parking experience. Park Assist's patented camera-based sensor systems are highly regarded in over 45 countries around the globe for their ability to improve the overall parking experience, integrate with other systems in place, and enhance operational efficiencies and security coverage. Park Assist is the global leader in parking sensor technology and the pioneer of camera based parking systems. TKH Security is part of the TKH Group (Euronext: TWEKA), a \$1.8 billion publicly traded company headquartered in the Netherlands.

About Park Assist

1. Headquartered in the United States, Park Assist has the most experience of any guidance manufacturer worldwide in designing, deploying, and supporting guidance systems for parking.
2. Park Assist has a fully staffed, US based technical support team and local team to assist with maintenance and support after installation.
3. Park Assist has the most camera-based installations in North America compared to its competitors, and is the world's only patented camera based parking guidance system.

Company Overview

Company Name & Year Founded:	TKH Security LLC, 2005 (Park Assist)
Parent Company & Year Founded:	TKH Group NV, 1930
TKH Security State of Incorporation:	Delaware
TKH Security Corporate HQ:	125 Commerce Court, Suite 11, Cheshire, CT 06410
TKH Security Employees:	300+
TKH Security Annual Sales:	\$50M+
TKH Security Federal Tax ID#:	26-2047919
Account Manager's Contact:	Thomas Alexander, t.alexander@tkhsecurity.com
Account Manager's Phone Number:	(954) 816-9888

Sample Project Experience – Key Accounts

- **Miami International Airport** – *Miami, FL*
- **Fort Lauderdale International Airport** – *Fort Lauderdale, FL*
- **The University of Miami** – *Miami, FL*
- **The City of Hollywood** – *Hollywood, FL*
- **The City of Delray Beach** – *Delray Beach, FL*
- **The City of Naples** – *Naples, FL*
- **Bal Harbour Shops** – *Miami, FL*
- **Royal Caribbean Cruise Lines** – *Miami, FL*
- **Aventura Mall** – *Miami, FL*
- **Mizner Park** – *Boca Raton, FL*
- **Duke University** – *Durham, NC*
- **Princeton University** – *Princeton, NJ*
- **Miami Dade County/FDOT** – *Miami, FL*
- **Children's Healthcare of Atlanta (Arthur M. Blank Hospital)** – *Atlanta, GA*
- **AT&T Campus HQ** – *Dallas, TX*
- **General Motors Campus HQ** – *Warren, MI*
- **Disneyland Park** – *Anaheim, CA*
- **Mall of America** – *Bloomington, MN*



Park Assist/TKH Security Project Team Resumes

Park Assist is the only parking technology company to have implemented over 200 camera-based parking guidance systems in major hospitals, corporate headquarters, shopping centers, universities, airports, casinos, and mixed-used developments. The team below all have extensive experience with a keen understanding of the requirements to ensure the successful implementation of this type of technology. This team will be the key individuals that will work throughout the project. Additionally, and just as important, is the team that works behind the scenes that keeps this well-oiled machine running and will be an integral part of the overall success of the project.



Jason Dechello, *Director of Project Management at Park Assist*

Project Role: Oversee all projects, project management team, project planning, client relationships, and project timelines

Experience: Jason joined in 2015. Prior to joining Jason gained 20+ years' experience in parking industry technology implementing PARCS throughout North America

Past Project Experience: Foxwoods Resorts Casino, Mohegan Sun Resorts Casino, Nashville International Airport, Capital One HQ, Mall of America, Eppley Field Airport, Louisville International Airport, Chicago O'Hare International Airport, Miami International Airport, Los Angeles International Airport, Newark International Airport, Princeton University, & Abbott Northwestern Hospital.



Brett Johnson, *Director of Technical Operations at Park Assist*

Project Role: Networking and Commission of the APGS, post installation support oversight

Experience: Brett is responsible for overseeing a team of 10 Engineers who provide project specific as required. As Director of Technical Operations, Brett will oversee both the Systems Engineering and Technical Services teams. Brett and his teams will

be responsible for activating sites once they are installed and providing consistent, quality support for those sites throughout the system's lifetime.

Past Project Experience: Brett has worked on or been involved in every project Park Assist has ever been awarded since he joined the company in 2016.



Thomas Alexander, *Senior Account Executive at Park Assist*

Project Role: Account management and installation support

Experience: Thomas has great experience with the procurement/bid process and managing accounts post-installation. He joined the company in 2016 and has helped manage all business development for the entire North American branch. Thomas places an emphasis on customer experience to ensure all details are covered from start to finish and is responsible for all sales in the Southeast of the United States.

Thomas has played a critical role in growing the North American branch with his meticulous approach and attention to detail and has a deep product knowledge.

Past Project Experience: Miami International Airport, Nashville International Airport, Raleigh-Durham International Airport, Asheville Regional Airport, Greenville-Spartanburg International Airport, Duke University Hospital, Atrium Wake Forest Baptist Medical Center, Savannah Hilton Head International Airport, Nashville Music City Center, Lake Nona Town Center, and Children's Healthcare of Atlanta.



Carlton Campbell, *Senior Project Manager at Park Assist*

Project Role: Manage the subcontract team to ensure compliance with the subcontract terms and conditions and performance baseline commitments. Ensure that all company core values, and safety protocols are followed and enforced. Coordinate and integrate the activities of all the project team members and support functions. Establish priorities for the project staff based on client and project requirements. Review and approve all

major purchase orders, change orders, and contractor/vendor requisitions as prepared by the project staff.

Establish regularly scheduled meetings to review the following: shop drawing preparation / approval, equipment/material lead times and required on-site dates, manpower projections vs the project schedule, quality/performance issues on and off site. Obtain client's acceptance of the work, and sign-off for the completed project. Responsible for the preparation and submission of the final project report, and prompt closeout of the subcontracts.

Experience: Carlton joined Park Assist in 2016. Prior to joining the company Carlton was involved in various rolls in the Networking/ Telecommunication field and worked at Blackberry and Nokia with a focus on software and product development.

Past Project Experience: Miami International Airport, Fort Lauderdale International Airport, Aventura Mall, Lake Nona Town Center, the City of Hollywood, Bal Harbour Shops, PortMiami Royal Caribbean Terminal, Miami-Dade County Metrorail Stations, the Plaza Coral Gables, Easton Town Center, Mizner Park, the City of Delray Beach, & Cityplace West Palm Beach.



Will Mayer, *Director of Client Services & Support at Park Assist*

Project Role: Network Design & Implementation, Post Installation Support

Experience: Will is responsible for designing and implementing network designs for Park Assist projects. Additionally, Will oversees all support during and post installation of the APGS. Prior to joining Park Assist, Will was a network Administrator at municipal emergency services and currently serves in the United States Marine Corp

with a rank of Sergeant.

Past Project Experience: Will has been involved in every Park Assist project since he joined the company in 2017.



Pete Messman, *General Manager at Park Assist*

Project Role: Operational oversight

Experience: With more than 20 years of executive and operational positions in a diverse set of businesses, Pete has in-depth experience in sales, product development, marketing, and project management. As General Manager, Pete is responsible for all North American operations activities for Park Assist. Pete is

responsible for managing client accounts totaling over 60,000 parking spaces. Pete's commitment and dedication to customer satisfaction ensures that all client needs are addressed with the utmost attention and sensitivity. Pete works out of our Mid-Atlantic region.

Proposed Solution

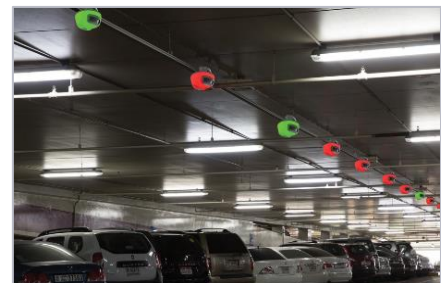
Park Assist M5 Camera Solution

The M5 Camera System is a network of sensing, processing, and displaying elements. The array of sensors collect data about parking status across the facility and then distribute that information to the network for use in guiding drivers and assisting operations staff.

The M5 Camera Sensor offers the ability to sense, identify, and count vehicles **per individual parking space**. Configured with one or two CMOS digital cameras, the M5 sensor can monitor up to six parking spaces simultaneously. Captured images are continuously processed to detect parking space occupancy changes using proprietary image processing software.

The sensor sends parking status and images to the site's Core Server for management and reporting. Because the M5 sensor is based on digital imaging, it is the key enabling element for license plate recognition.

To indicate parking status to visitors, a highly visible Light Emitting Diode (LED) indicator is built into the M5 Camera Sensor, capable of displaying thousands of different colors. Each M5 Camera Sensor autonomously manages its own occupancy status and indicator color, providing visitors with real-time parking information.



Installation of the M5 System

The M5 system is installed down the center of the drive aisle. Each sensor is capable of monitoring up to six (6) parking spaces. Bright LED lights will remain green if one of the six (6) monitored spaces are available and it will turn red if all of the spaces are taken. The M5 sensors operate on low voltage power and connect to the level garage controller via Ethernet cable. Park Assist's proprietary channel is designed to work with all garage designs for a clean installation. Our channel uses specially designed joiners to maneuver around beams and obstacles inside the garage. We are able to install our camera sensors with minimum affect to clearance height.



Park Assist understands the difficulty and unpredictable cost involved in clearing sections of an operating garage for installation. Since Park Assist's installation is down the center of the drive aisle, we do not require parked cars to be removed during installation. We will select slow traffic hours for installation to minimize disruption to operations.

The main reason for the installation of an APGS is to enhance guest experience. We know that when an APGS installation requires closure of sections of the garage for long periods of time, it can have a negative effect on guest parking experience. We have designed a system to ideally prevent this from ever occurring.



Dynamic Signage Displays

Exterior and Interior Signage: VMS-NAV

TKH Security's VMS-NAV signs are equipped with full-matrix LED displays for unprecedented design freedom. Ownership will have free rein to create and broadcast an expansive set of digital messages – including detailed RGB custom graphics – in millions of colors. These can be populated with dynamic 24-bit RGB text and icons, instead of a limited set of predefined messages and graphics. The variety of colors/gradations enables the signage to be tightly aligned with brand and architectural palettes. With enhanced brightness pixels, these continuously adjustable signs, are easy to view and customize so your customers receive the detailed information they need to make quick, informed parking decisions.

University Station will have an installed monument sign reflecting the total available amount of spaces.



Server and System Controls

All TKH Security installations include a license to our cloud-based platform, *INX*. *INX* is the central computer collecting, managing and storing all parking data from the sensors. *INX* equips operations staff with a browser-based dashboard. This intuitive and customizable platform provides cloud-empowered access to system parameters across a site or a network of sites, including:

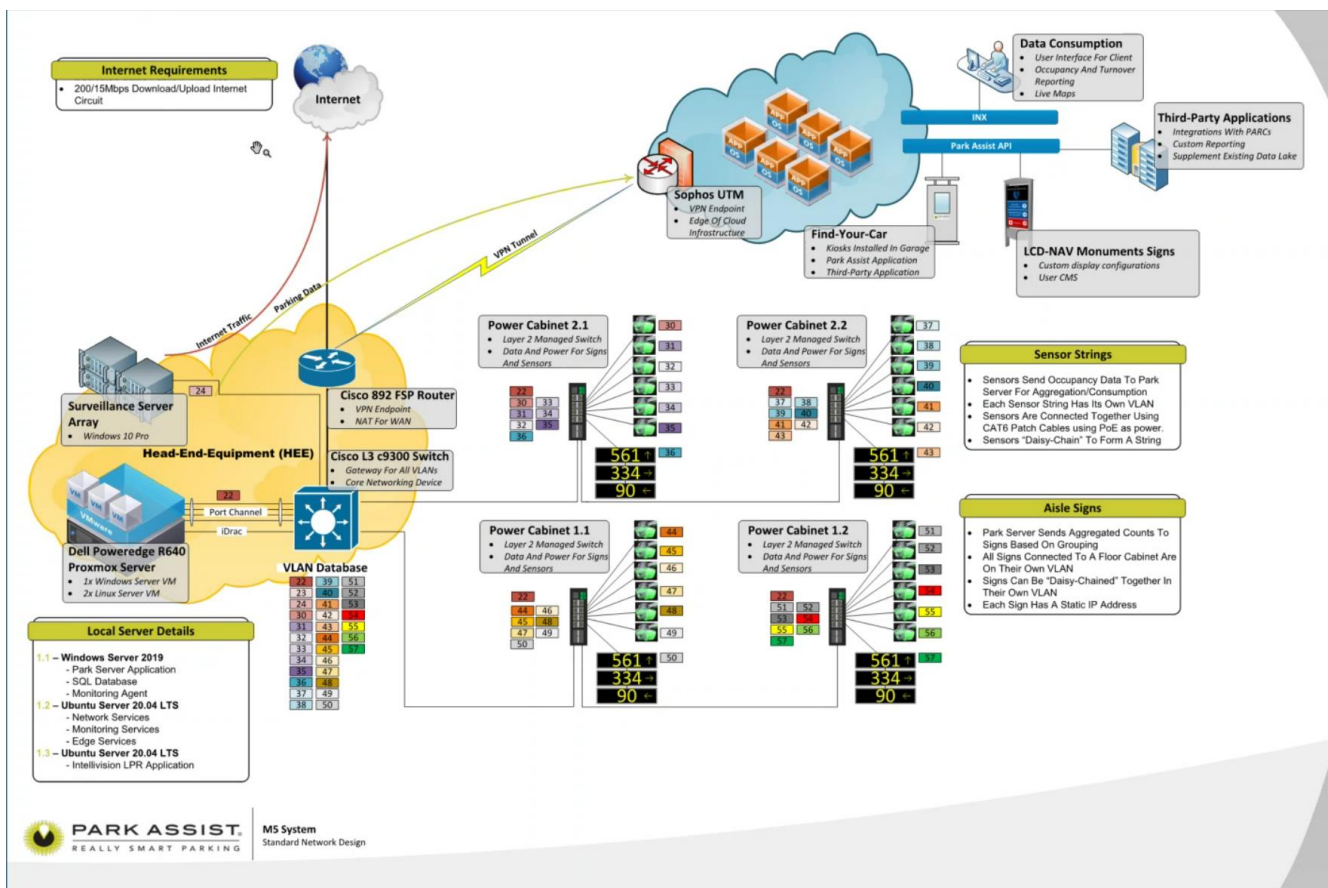
- Data in real time from our smart sensing system to drive quicker and better decisions
- Dashboards and automated alerts keep you up to date on the latest site operations
- Charts and reports to elevate customer experience, drive revenue opportunities

Workstations are not required for any TKH Security system. Designated users with a password can access *INX* to view, search, and export reports. Users with administrative access can control signage displays, reset, or manually adjust garage availability. In the scenario that no computer is located onsite, we will price one as an alternate.

Networking/Head End Equipment

Each floor or region of a TKH Security system installation includes at least one POE Cabinet, housing a network switch, video storage, and power supplies supporting our sensors and signage.

Network Topology below describes our standard M5 network/design interface:



Next-Gen Software Platform – INX™

Reporting Tools

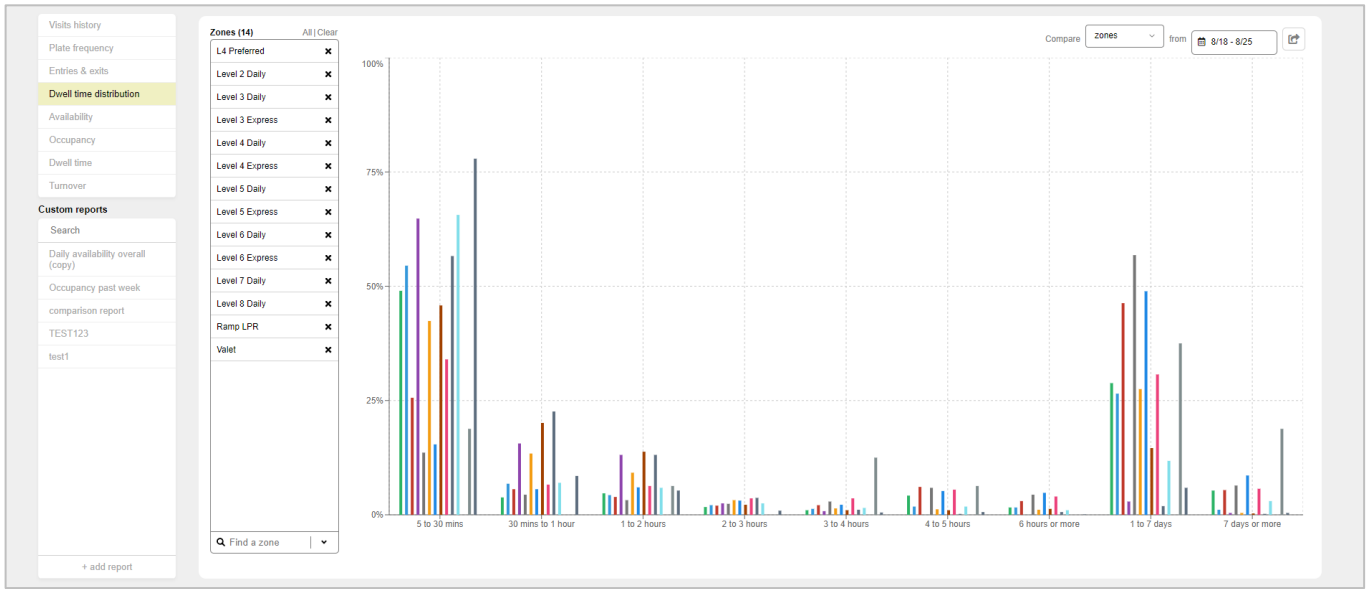
INX, a cloud-based interface provides Management, Operators and Marketing teams with real-time data using dashboards, historical reports and comparative analyses to seamlessly improve the parking experience, operational efficiencies and create new revenue opportunities. Offering a simple, single point of access to parking garage data, it helps asset owners measure the performance of their garage and gather insights into user behavior. Live maps capture the current state of the facility, and in-progress and historic visitor patterns can be analyzed to drive staffing for parking, security, and customer service staff. All reports can be accessed remotely via the public web through unique secure user logins. *INX* securely connects to each M5 site's Core Server installation via an encrypted HTTPS connection at 1 AM local time daily. Data from each site is analyzed, aggregated, and distributed to the *INX* reporting system.

INX is installed in a private, dedicated, and load-balanced server farm, offering a 99.9% availability guarantee with twice daily secure back-ups. Furthermore, the centralized architecture for *INX* allows for the controlled release of new software upgrades, maintenance services, and new innovations seamlessly. As a privacy and security measure, *INX* does not collect or store any images from sites' Core Servers. *INX* is fully compliant with industry security standards, including ISO 27001. Data in *INX* is fully encrypted to enhance security and data protection. This includes data & images encrypted communication enforced with certificates between sensors and the cloud. Also, multi-factor authentication (MFA) for all data administration and platform development.

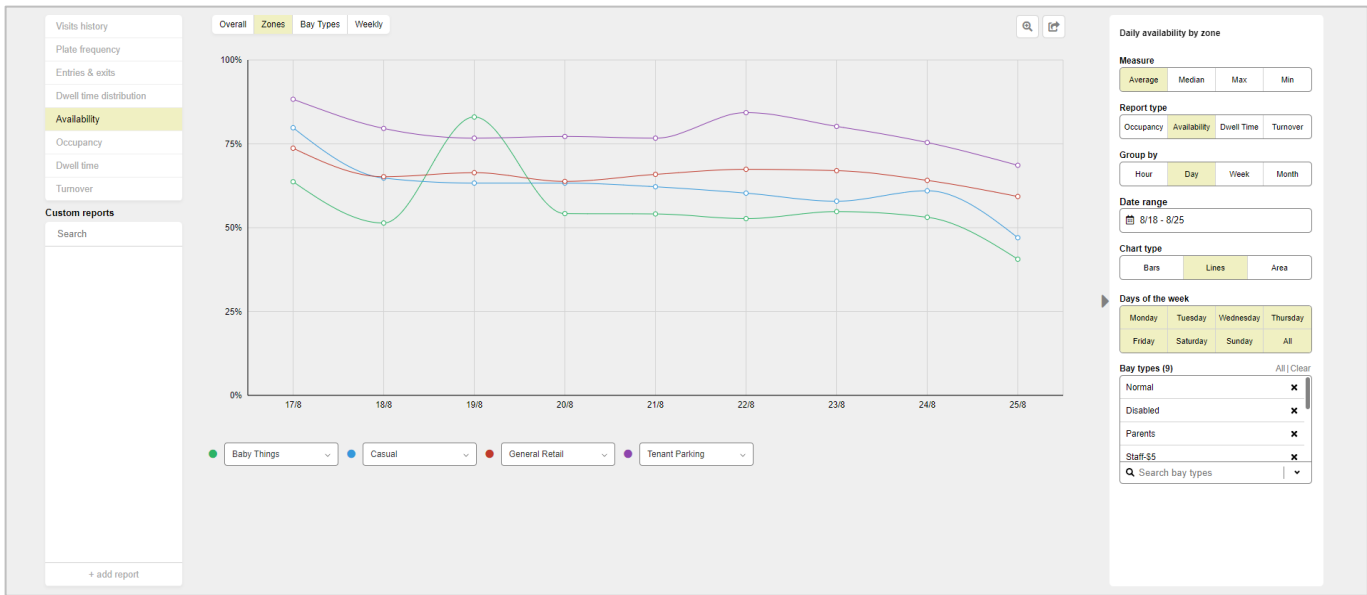
Data is reported in real time, with information typically less than 5 minutes old. The home page dashboard contains moveable widgets, displaying a variety of data. These widgets can also be embedded in other end-user applications. Sample dashboard image and additional sample photos below:



Dwell Time



Availability



Enhancing Customer Experience/Operations

Alerts – (Included at no cost)

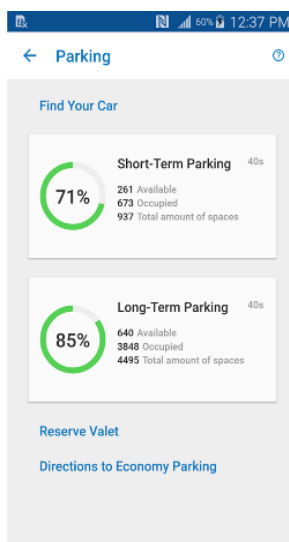
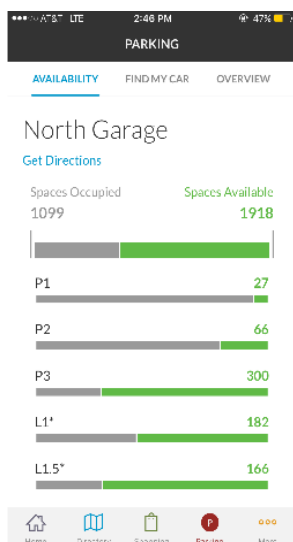
Alerts is our powerful **business logic engine**, which enables operators to automate rule-based alerts and/or actions across our solution and API's that assess each individual car against the relevant set of rules or zones. Tapping into the integrated LPR built into our camera-based system, these alerts can be conditionally triggered by license plates, schedules, system conditions, zones, durations, and/or bays. This is configured by a simple drag & drop "if this, then that" visual interface. *Alerts* integrates seamlessly with some of the well-known PARCS and mobile payment platforms.



CX API/Access to Mobile App – (Optional)

Our next generation *Mobile API* allows for integrating the Park Assist system data into mobile apps and websites to allow for an array of functionality. Utilizing our Mobile API brings real-time parking availability straight to the customer's phone and computer directing them as to which lots, garages, and specific levels have parking availability. The Mobile API also brings Park Assist *Finder* functionality to any mobile device allowing customers to find their lost vehicle right from their phone.

Park Assist's mobile app is currently available on iOS and Android. The Park Assist app will allow users to search for available parking ahead of time so they can plan their commute accordingly. If ownership prefers to develop an interface to be part of their own mobile app or website, Park Assist can provide the Web API for their developers. Many of our clients have utilized this API to develop their own custom applications.



Park Surveillance – (Included)

With *Park Surveillance*, Park Assist's M5 system can capture streaming surveillance video whenever motion is detected in or around a space. Or continuously, if desired. Since the M5 system is perched above the driving lane, their dual CMOS cameras have an unobstructed view of each vehicle during its entire stay in a parking space. This provides an expanded level of security that would otherwise be cost-prohibitive. Majority of CCTV surveillance systems do not monitor the parking spaces. Ownership can have the peace of mind knowing that their visitors have an additional eye in the sky to keep them safe.



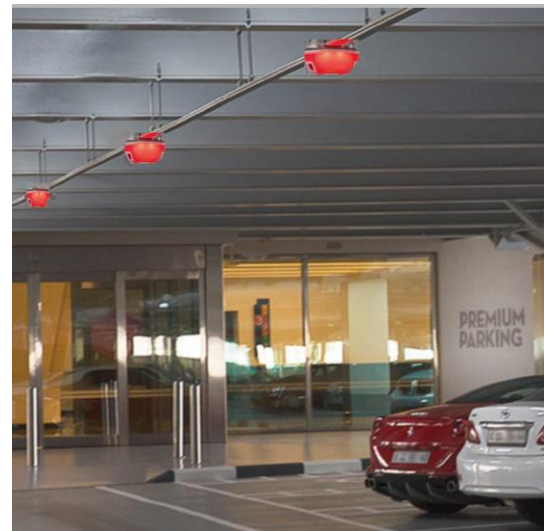
CX API/Find Your Car – (Optional)

Our Find Your Car (FYC) functionality allows a visitor to enter the number for a license plate using the smartphone app, PARCS pay station, or a touchscreen kiosk. In seconds, the system scours a database of currently parked vehicles, which were identified through our integrated LPR when they entered a space. Guests will see exact locations of their vehicle on a digital map along or alternatively ownership can assist guests via the INX platform to find their vehicle.



Business Development API – (Optional)

Our Business Development API functionality allows our clients the ability to increase rates/prices for specific zones/areas without gate systems or nested barriers for premium parking. This has increased additional revenue opportunities and enhanced the customer experience allowing visitors to select the more desirable parking spaces in a garage. A color-coded LED on the M5 camera sensor attracts visitors to these spaces and can be configured to whatever color ownership deems appropriate. The vehicle ID and location data is then fed to the existing PARCS system, which already knows the premium rate to apply.



Support & Maintenance

Park Assist has a full in-house team dedicated to support and maintenance. Unique only to Park Assist system is a quarterly accuracy reading report breaking down accuracy, occupancy, trends by zones, levels and garage. Every M5 sensor will be constantly monitored for connectivity, performance and accuracy. For systems under our service and maintenance agreements, ownership can have peace of mind that the large majority of issues can be detected and resolved before they impact system performance and customer experience. With different plan levels, Park Assist will be proactive in monitoring and troubleshooting any and all issues before they affect operations.



Park Assist maintenance goes far beyond a basic check on system operation; rather, it follows a detailed, holistic approach to every aspect of the sensor network, from hardware to software. With Park Assist taking numerous proactive measures to ensure system operation, your network will provide years of trouble-free operation and high performance. Our inspection program is customized for each site, which assures complete coverage for each system's unique aspects.

Software maintenance is a key component of Park Assist maintenance package. At its foundation are basic information technology maintenance practices, with remote inspections for the entire network. Using modern, secure remote access technology, Park Assist monitors and adjusts your sensor network without the need for intervention or presence. Software updates for sensing components and head-end gear are also applied using this approach.

Another advantage of Park Assist's software design is the built-in capacity for customization. If parking conditions or site design change in the future, Park Assist can create customized detection patterns tailored to the unique aspects of a site.

Warranty

This proposal includes **One-Year Warranty** on all parts and labor for defects in materials or manufacture. Park Assist will repair or replace all work delivered under the contract and correct any defect within the warranty period at no additional cost. Software updates to the current installed version of our software are also included as required. This warranty does not apply to situations where damage or malfunctions resulting from fire, flood, earthquakes, elements of nature or acts of God, strikes, riots, collision, vandalism, misuse, electrical surges, power failure, use of non-manufacturer approved parts, or any other similar cause beyond the reasonable control of Park Assist.

TKH Security/Park Assist Warranty Statement

For one (1) year from the date of substantial completion (the “Equipment Warranty Period”), TKH Security warrants the Replacement Equipment will be free from substantial defects in materials and workmanship under conditions of normal use (the “Equipment Warranty”). If applicable, TKH Security further warrants for a period of thirty (30) days from substantial completion, Installation Services shall be performed in accordance with industry standards.

EXCLUSIVE REMEDY

TKH Security’s exclusive obligation under the Equipment Warranty shall be to, at its sole option, repair or replace defective Equipment, at no charge to Customer, so long as notice describing the nature of the defect and location of the Equipment is received by TKH Security within the Equipment Warranty Period and within fourteen (14) days after the defect is discovered. If Customer purchased Installation Services to install the Equipment originally, the Equipment Warranty shall also include the necessary labor required to replace a defective part if TKH Security, in its reasonable judgment, determines that such replacement is required. In no event shall the Equipment Warranty Period be extended by the repair or replacement of an item of Equipment. For the avoidance of doubt, to the extent there are any labor costs that are the responsibility of TKH Security in connection with the Equipment Warranty, any such labor shall be arranged by TKH Security and TKH Security will not reimburse Customer for any costs incurred by Customer to service the Equipment.

WARRANTY EXCLUSIONS

- The Equipment Warranty shall not apply to any defect, loss or damage arising in connection with:
- Installation, maintenance or attempted repairs that are not performed by TKH Security or its designees.
- Improper system maintenance not performed by TKH Security or its designees.
- Improper software configuration not performed by TKH Security or its designees.
- Product operation outside of specifications.
- Unauthorized modification or tampering.
- Any act or omission of a person or entity other than TKH Security or from fire, water, burglary, accident, transit, vandalism, acts of God, terrorism.

DISCLAIMER

THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU ANY AND ALL OTHER WARRANTIES WHETHER WRITTEN, EXPRESS OR IMPLIED (INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE). TKH SECURITY FURTHER DISCLAIMS ANY AND ALL WARRANTIES WHETHER WRITTEN, EXPRESS OR IMPLIED (INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE) RELATED TO PRODUCTS OR HARDWARE NOT PROVIDED BY TKH SECURITY, WHETHER OR NOT TKH SECURITY INSTALLS SUCH PRODUCTS OR HARDWARE.

WARRANTY START DATE: [TBD](#)

Post Warranty - Maintenance Service Packages

The Park Assist approach goes far beyond a basic check on system operation; rather, it follows a detailed, holistic methodology addressing every aspect of the sensor network, from hardware to software and accuracy. With Park Assist taking numerous proactive measures to ensure system operation, your sensor network will provide years of trouble-free operation and high performance. Three package types Basic Software, Premium and Comprehensive tailor the maintenance approach to the site's specific needs.

Basic Software

At its foundation are basic information technology maintenance practices, with remote inspections for the entire network. Using modern, secure remote access technology, Park Assist monitors and adjusts your sensor network without the need for intervention or presence. Software updates for sensing components and head-end equipment are also applied using this approach. Because TKH Security understands the importance of a reliable and accurate system; software maintenance includes daily detection performance monitoring. Vehicle detection and license plate recognition accuracy are routinely checked, with remote support for corrective action if necessary, included in the package. Customers receive detailed monthly and annual performance reports.

Premium

Our Premium package includes the Basic Software plan and introduces on-site quarterly system service and monthly inspections, and remote system monitoring. This forms the baseline of Park Assist's integrated maintenance approach. From servers to sensors, cabling to network infrastructure, each inspection takes a critical eye to every physical and software component making up the system to foresee problems before they impact functionality. The program is customized for each site, which assures complete coverage for each system's unique aspects. If, during our inspections, we find hardware that needs replacement due to normal wear and tear we offer a discount on parts, which will be quoted before performing any corrective work.

Comprehensive

Our Comprehensive packages take software and hardware maintenance a step further by including an additional range of advanced monitoring metrics, proactive system improvements, replacement parts and on-site labor if necessary - removing uncertainty from budgeting for maintenance. This includes monthly onsite inspection and preventative maintenance visits. One package takes care of everything and is uniquely priced based on the needs and equipment in your unique implementation.

Bill of Materials – Budget Proposal

The M5 system is highly adaptable to fit any parking structure and usage needs. This Bill of Materials lays out the base system and options recommended by Park Assist expert teams for the University Station parking garage in Hollywood, FL.

Base System Cost – University Station Parking Garage

Base Models/QTY	QTY
Number of Covered Spaces	365
M5 Single Space Sensors	99
Entrance Monument Signs with Single Digital VMS NAV Sign	1
Channel and Cabling	Included
Onsite Server, Head-End Equipment, INX Software (Includes SaaS 1 year)	Included
Installation/Labo	Included
Project Management and CAD Design	Included
Commissioning, Networking, Configuration, & Logistics	Included
Park Alerts	Included
Video Surveillance	Included
Total System Cost (excluding applicable sales tax)	\$284,360.67

Recurring Annual Fee Starts in Year 2

Models	Type	Price
INX Core Software Suite	Annual license	\$1,773.75

Optional Maintenance Package Plans (Annual Fees Below)

Year	Basic	Premium	Comprehensive
1	\$10,000.00	\$15,000.00	\$23,000.00
2	\$10,300.00	\$15,450.00	\$23,690.00
3	\$10,609.00	\$15,913.00	\$24,400.00
4	\$10,927.00	\$16,390.00	\$25,132.00
5	\$11,254.00	\$16,881.00	\$25,885.00

Estimated Project Schedule

We do our utmost to make installation fast and site-friendly. Thanks to common-sense design and a wealth of experience in the parking industry, the M5 system can be installed very quickly, with little to no disruption to your normal operation. The projected timeline from contract/purchase order to physical completion for a project this size is 8-10 weeks. Please consult the estimated timeline below for details on this project.

Starting point is from receipt of purchase order and execution of contract	
Shipping	1-2 weeks
Physical Installation	2-3 weeks
Commissioning and software tuning	2-3 weeks

Payment Schedule: (*Invoice due upon receipt, Net 30 days)

Phase	Amount
*Deposit due upon order	15%
*Upon delivery/shipping	50%
*Upon final completion/system acceptance	35%

Proposal Terms

General

1. The specifics of timing and pricing in this proposal are valid for a period of 90 days from issue date. Pricing beyond this period is subject to change and excludes any applicable sales taxes.
2. Assumes access to restrooms and waste container.
3. Any insurance requirements outside of standard coverage carried by Park Assist are not included in this proposal and shall be provided at an additional charge based upon additional requirements and terms of coverage.
4. Project is subject to a 25% restocking fee plus shipping

Park Assist Responsibilities

1. Park Assist will provide a fully automated parking guidance system as shown and described in this proposal for University Station garage in Hollywood, FL.
2. Commission the new M5 system in accordance with the approved project schedule.
3. M5 system to be installed at a maximum height above floor to be determined upon further garage details such as the presence of beams, pipes, and sprinkler systems. This Contractor shall meet minimum clearance heights provided throughout the garage.
4. Final termination of low voltage power, cabling to exterior signage, and data wiring connections.
5. Park Assist shall provide all head-end equipment required to operate the system. This includes 2-D design and software setup, server hardware, server licenses and core switch.
6. All areas of work will be cleaned and debris free at the end of each shift.

Exclusions Include

1. Any power feeds for cabinets and exterior signage, at designated final termination points.
2. Owner to provide conduit and termination for data feeds from cabinets, exterior signage, at designated demarcation points.
3. Owner to provide a dedicated static public IP address for PARK server. Speed should be 100 Mbps upload/download at minimum, prior to commence of installation.
4. Owner to provide a secure area for material storage on site
5. Owner to provide a temperature-controlled room to house head-end equipment.
6. Costs to integrate the technology with other platforms or customized reports not specified in the proposal.
7. Any required permits or stamped engineering drawings will be charged back to the owner/client.
8. Any civil, concrete, or coring work is not included.
9. Any required GPR scanning or X ray is not included.
10. Any additional poles required to support the automated camera guidance system

Client Acceptance

By signing below, the client accepts the quotation and proposal terms in this document and signals their intent to proceed to purchase.

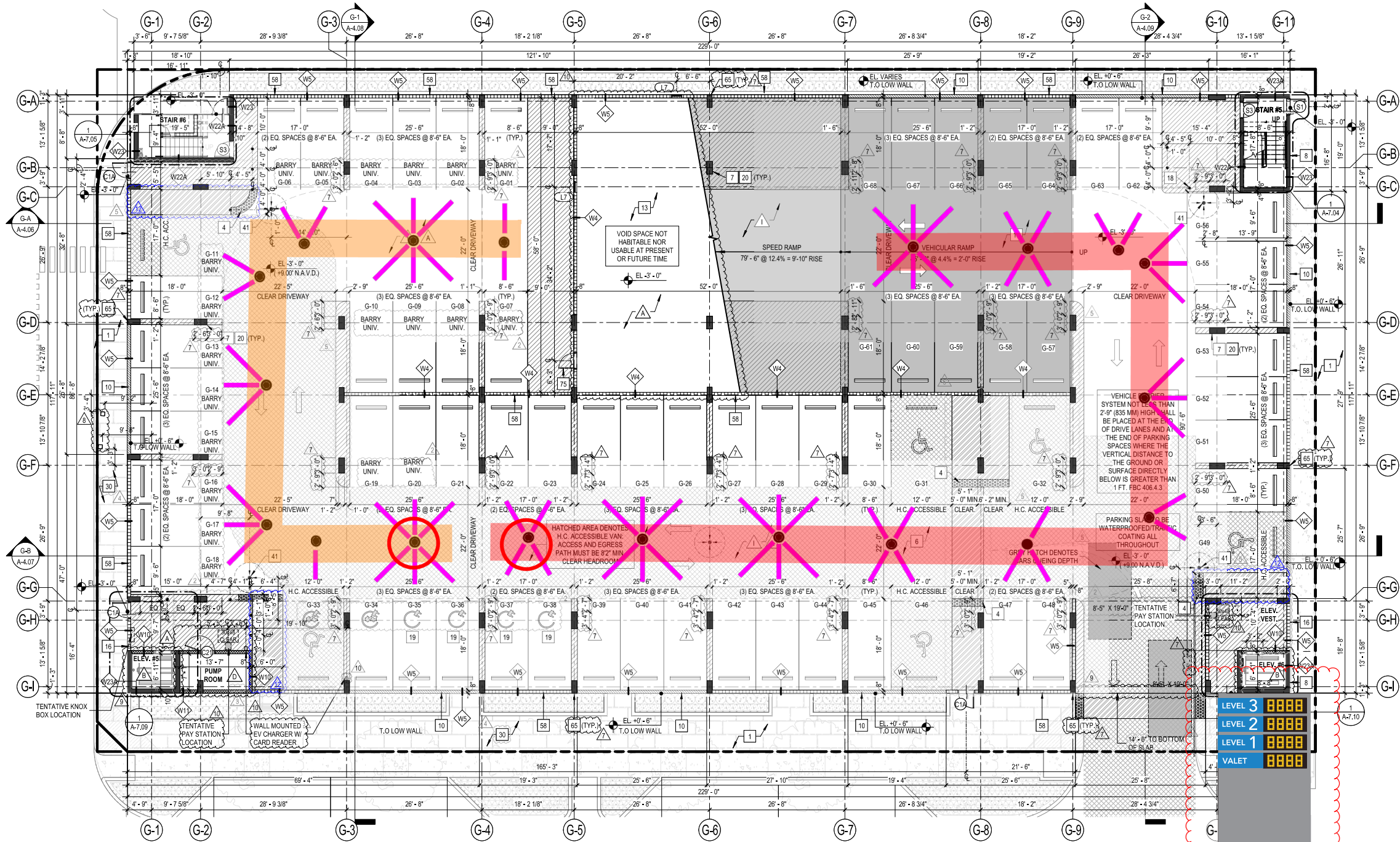
University Station I, LLC representative signature:

University Station I, LLC representative printed name:

University Station I, LLC representative's title: _____

Date: _____

Preliminary Design & Product Cut-Sheets



GROUND FLOOR (GARAGE)

SCALE: 3/32" = 1'-0"

GENERAL KEYNOTE LEGEND

- | | | |
|--|---|---|
| 1. CONCRETE SIDEWALK | 18. BOLLARDS (TYP.), REFER TO DETAILS ON SHEET A-1.01, REFER TO STRUCTURAL DWG. FOR ADDITIONAL INFORMATION. | 29. POOL DECK ACCESS GATE MIN. 48" HIGH A.F.F., PROVIDE VONDUPRIN 98L-374L-POOL-WH-4-US320, SELF-CLOSING, SELF-LATCHING, GATE W. PANIC HARDWARE DEVICE. |
| 2. CONCRETE FOUNDATION, REFER TO STRUCTURAL DWGS. | 19. WIRING PROVIDED FOR FUTURE ELECTRICAL VEHICLE PARKING (EV). | 30. LANDSCAPE, REFER TO LANDSCAPE DWGS. |
| 3. CONCRETE CURB, REFER TO CIVIL DWGS. | 20. CONC. GUARDS AT CORNERS OF WALLS & COLUMNS (TYP.) | 31. LANDSCAPING, REFER TO LANDSCAPE DWGS. |
| 4. DETECTABLE WARNINGS | 21. CONCRETE ACCESS STEPS / STOOP, REFER TO SHEETS A-1.02 AND STRUCTURAL DRAWINGS. | 32. ARTIFICIAL GREEN WALL BY EASYGRASS OR APPROVED EQUAL, SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO FABRICATION. |
| 5. PEDESTRIAN ACCESSIBLE PATH | 22. ALUMINUM CAT II SAFETY GLAZING IMPACT RESISTANT STOREFRONT SYSTEM, REFER TO A-10.00 SERIES SHEETS FOR ELEVATIONS AND DETAILS. | 33. REFER TO LANDSCAPE PLANS FOR POOL DECK FINISHES. |
| 6. H.C. ACCESSIBLE VAN: ACCESS & EGRESS PATH MUST BE 8'-2" MIN. CLEAR HEADROOM | 23. ALUMINUM CAT II SAFETY GLAZING IMPACT RESISTANT WINDOW SYSTEM, REFER TO A-10.00 SERIES SHEETS FOR ELEVATIONS AND DETAILS. | 34. POOL COLLECTOR TANK. |
| 7. STRUCTURAL COLUMN, REFER TO STRUCTURAL DWG. FOR DTLS, PROVIDE LIGHT TEXTURE CEMENT PLASTER FINISH (TYP. THROUGHOUT UNLESS OTHERWISE NOTED). | 24. SLIDING DOOR FRAME & IMPACT RESISTANT CAT II GLASS (TYP.), REFER TO A-10.00 SERIES SHEETS FOR ELEVATIONS AND DETAILS. | 35. GARAGE GATE TO BE SELECTED BY OWNER, SUBMIT SHOP DRAWINGS FOR APPROVAL, SEE GATE NOTES. |
| 8. STRUCTURAL WALL (SHEARWALL), REFER TO STRUCTURAL DWG. FOR DTLS. | 25. IMPACT RESISTANT METAL DOOR, REFER TO DOOR SCHEDULE ON SHEET A-9.01. | 36. BRIDGE BY DELEGATED ENGINEER UNDER SEPARATE SUBMITTAL. |
| 9. STRUCTURAL CONCRETE BEAM, REFER TO STRUCTURAL DWG. FOR DTLS. | 26. INTERIOR CAT II SAFETY GLAZING STOREFRONT SYSTEM, REFER TO A-10.00 SERIES SHEETS FOR ELEVATIONS AND DETAILS. | 37. BACK FLOW, REFER TO CIVIL PLANS FOR DETAILS. |
| 10. TYP. LOW WALL 42" HIGH (PROVIDE CRASH WALL 2'-8" MIN. TYP. REFER TO STRUCTURAL DWGS FOR DETAILS) | 27. 42 1/2" HIGH MIN. A.F.F. (TAKEN FROM INTERIOR F.F.E.) BALCONY/GUARD 2'X10" MESH RAILING, SHALL REJECT 4" OBJECTS, SUBMIT SHOP-DRAWINGS FOR APPROVAL PRIOR TO FABRICATION, REFER TO DETAILS ON SHEET A-9.01. | 38. BIKE RACK, REFER TO SHEET A1.01A FOR DETAILS. |
| 11. SLAB ON GRADE W/ 15 MIL VAPOR BARRIER SYSTEM. | 28. 6'-0" HIGH MIN. A.F.F. (TAKEN FROM INTERIOR F.F.E.) ALUMINUM MESH PRIVACY PARTITION DIVIDER AT BALCONIES, SUBMIT SHOP-DRAWINGS FOR APPROVAL, REFER TO DETAILS ON SHEET A-9.01. | 39. ADA FLOOR MOUNTED BIKE RACK, REFER TO SHEET A-1.01A FOR DETAIL. |
| 12. STRUCTURAL SLAB, REFER TO STRUCTURAL DRAWINGS. | | 40. BIKE REPAIR STATION, REFER TO SHEET A-1.01A FOR DETAIL. |
| 13. VEHICULAR RAMP, REFER TO STRUCTURAL DWGS. | | 41. FLOOR DRAIN (TYP.) |
| 14. CONCRETE EYEBROW REFER TO STRUCTURAL DWG. FOR DETAILS. | | 42. LINEAR DRAIN (TYP.) |
| 15. BALCONY/ TERRACE CONCRETE SLAB PROPERLY SLOPED TO EXTERIOR, PROVIDE WATERPROOFING AT ALL ELEVATED BALCONIES/ TERRACES AND CONCRETE SLABS OR AS OTHERWISE INDICATED BY DRAWINGS, EXTEND VERTICALLY A MIN. 2" AT ALL ADJACENT WALLS, REFER TO DETAIL ON A-9.01 | | 43. TRENCH DRAIN (TYP.) REFER TO PLUMBING DRAWINGS. |
| 16. CMU WALL WITH 5/8" MIN. EXT. STUCCO FINISH ON ALL EXPOSED SIDES, SAMPLE TO BE PROVIDED FOR APPROVAL PRIOR TO INSTALL. | | 44. MECHANICAL EQUIPMENT, REFER TO MEP DRAWINGS FOR DTLS, (KYNAR 500 FINISH OR EQUAL) |
| | | 45. FLAT ROOF SLOPE 1/4" 12" MIN. REFER TO ROOF PLAN AND SHEET SERIES A-9.00. |

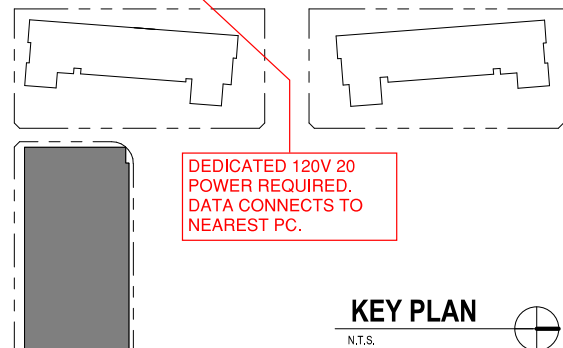
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|---|---|
| 46. PRIMARY ROOF DRAIN (TYP.), SEE PLUMBING FOR INFORMATION AND DETAILS. | 61. LIGHT TEXTURE CEMENT PLASTER FINISH (TYP. THROUGHOUT UNLESS OTHERWISE NOTED). |
| 47. EMERGENCY OVERFLOW FLOOR DRAIN (TYP.) | 62. CONT. 1" WIDE BY 1/4" DEEP STUCCO SCORE LINE, ALL LINES TO BE CONTINUOUS AND AT SAME HEIGHT THROUGHOUT ELEVATIONS, SEE DETAIL IN A-11.00 SERIES SHEETS, PROVIDE THROUGHOUT AT MAX. 144 SF. OF STUCCO AREA, (TYP.) |
| 48. CONCRETE PLATFORM AT STAIR DOOR TO ROOF, DETAIL ON SHEET A-9.00 | 63. MECHANICAL CHASE |
| 49. TRASH CHUTE, REFER TO A-7.03 | 64. WELL COMPACTED FILL, REFER TO STRUCTURAL DWGS, FOR REQUIRED COMPACTION. |
| 50. ROOF PARAPET, REFER TO ARCHITECTURAL AND STRUCTURE DRAWINGS FOR DETAILS. | 65. SMOOTH CEMENT TEXTURE PLASTER, TYPICAL THROUGHOUT UNLESS OTHERWISE SPECIFIED. |
| 51. SINGLE PLY MEMBRANE ROOFING OVER LIGHTWEIGHT INSULATING CONCRETE SLOPED TO DRAINS, SEE SHEET SERIES A-9 FOR ROOF DETAILS. | 66. EYEBROW DROPPED BEAM, REFER TO STRUCTURES AND DETAIL ON SHEETS A-9.01 SERIE |
| 52. SECONDARY CONCRETE TOPPING SLOPED TO DRAIN 1/4" PER FT. MIN. WITH TREMCO | 67. TOP OF 42" HIGH LOW WALL TO FOLLOW RAMP PROFILE (PROVIDE CRASH WALL 2'-8" MIN. TYP. REFER TO STRUCTURAL DWGS FOR DETAILS) |
| 53. PROVIDE RIGID INSULATION (R-19 VALUE) AT OCCUPIED SPACES UNDER FLAT ROOF | 68. IMPACT RESISTANT ALUMINUM ROLLING DOOR TO MATCH WALL COLOR WHERE LOCATED. |
| 54. GUTTER, REFER TO CIVIL DRAWINGS. | 69. PRECAST CONCRETE WHEEL STOP, SEE A-1.00 SERIE FOR DETAILS. |
| 55. MECHANICAL LOUVER, REFER TO MECHANICAL DWGS. & ARCHITECTURAL A-10.00 SHEETS FOR SIZES, TO BE PAINTED TO MATCH BACKGROUND WALL. | 70. STAIR CORE AT ROOF LEVEL. |
| 56. UNIT INTAKE / EXHAUST VENT, REFER TO MECHANICAL DWGS. TO BE PAINTED TO MATCH BACKGROUND WALL. | 71. ELEVATOR CORE AT ROOF LEVEL. |
| 57. EXTERIOR PLASTER CEILING, REFER TO SHEETS SERIE A-8.02 FOR TYPICAL CEILING DETAILS, AND SHEETS A-5.00 TO A-5.10 FOR TYPES AND LOCATION (TYP.) | 72. 34" A.F.F. HANDRAIL ATTACHED TO CONCRETE SLAB, REFER TO SHEETS A-9.01 AND A-10.04 FOR DETAILS. |
| 58. 2'-8" HIGH CONCRETE CRASH WALL (TYP.) SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION. | 73. 3/4" CONT. SLAB RECESS (TYP.) |
| 59. WALL MOUNTED, EXTERIOR GRADE LIGHT FIXTURE, TO BE SELECTED BY OWNER, REFER TO ELECTRICAL DWGS. | 74. CONTINUOUS DRIP EDGE (TYP.) |
| 60. BUILDING ADDRESS IDENTIFICATION SIGNAGE, SIGNAGE TO BE UNDER SEPARATE PERMIT. | 75. 36" X 48" MIN. ACCESS PANEL FOR MAINTENANCE ONLY, SUBMIT SHOP DWGS. FOR APPROVAL, SEE DETAIL ON SHEET A-11.00 |

PARKING BREAKDOWN

GROUND PARKING LEVEL	
TYPE	QUANTITY
STANDARD	62
H.C. ACCESSIBLE	6
TOTAL	68

NOTES:

VEHICLE BARRIER SYSTEM NOT LESS THAN 2'-8" (835 MM) HIGH SHALL BE PLACED AT THE END OF DRIVE LANES AND AT THE END OF PARKING SPACES WHERE THE VERTICAL DISTANCE TO THE GROUND OR SURFACE DIRECTLY BELOW IS GREATER THAN 1 FT. FBC 406.4.3



KEY PLAN

N.T.S.

WALL & SYMBOL LEGEND

- REIN. CMU WALL W/O FURRING
- REIN. CMU WALL W/O FURRING (2 HOUR RATED)
- REIN. CMU WALL W/O FURRING (3 HOUR RATED)
- REIN. SHEAR WALL (2 HOUR RATED)
- LOW PARAPET WALL @ 42" MIN.
- TYP. METAL STUD PARTITION WALL
- TYP. 1 HOUR TENANT SEPARATIONS/SMOKE BARRIER METAL STUD PARTITION WALL
- 2 HOUR UL RATED SHAFT WALL
- DENOTES 1/2" MAX. F.F. THRESHOLD
- WINDOW TYPE, REFER TO WINDOW SCHEDULE
- DOOR NUMBER, REFER TO DOOR SCHEDULE
- STOREFRONT TYPE / LOUVER TYPE
- LOUVER TYPE, REFER TO SERIES A-10.00
- CENTER LINE
- WALL TYPE, SEE SHEET A-8.01
- PAVEMENT STRIPED ZONE, NO PARKING, NO DRIVING & NO STANDING AREA
- HATCH DENOTES ACCESSIBLE ROUTE STRIPING, REFER TO TRAFFIC PLANS
- WALL/ PEDESTAL MOUNTED ACTUATOR TO BE CONNECTED / COORDINATED TO SECURITY SYSTEM

WATERPROOFING LEGEND

- SLAB ON GRADE: STEGO WRAP 15 MIL VAPOR BARRIER BELOW SLAB THROUGHOUT SLAB ON GRADE
- BELOW GRADE ELEVATOR PIT: VOLTEX DSCR BENTONITE WATERPROOFING ENCAPSULATING ELEVATOR PIT.
- BELOW GRADE POST APPLIED WATERPROOFING SYSTEM: PROVIDE TREMCO TREMPROOF 250GC 60-MIL AT CONCRETE WALLS EXPOSED TO EARTHEN FILL.
- B.O.H. / MAINTENANCE ROOMS: - WALLS: 2 COAT BM COROTEC - POLYIMIDE HS EPOXY COATING, (PAINT UP TO 48" FROM FLOOR) - FLOORING: EUCLID CHEMICAL EUCOPOXY TUF COAT.
- CONCRETE BALCONIES, CANOPIES, AND EYEBROWS (NON-OCCUPIED) SPACES: - APPLY TREMCO VULKEM 350/351 AT BALCONIES & EYEBROWS - SANDED TO REJECTION - CMU WALLS TO BE PARGED WITH TAMOSEAL PRIOR TO INSTALLATION OF VULKEM 350NF/351.
- BALCONIES, TERRACE, & CANOPIES (OCCUPIED SPACE): TREMCO VULKEM EWS PUMA FLUID APPLIED WATERPROOFING
- POOL STRUCTURE: PER POOL CONTRACTOR.
- SINGLE PLY ROOFING SYSTEMS: - 60-MIL MIN. SINGLE PLY MEMBRANE FULLY ADHERED SYSTEM OVER R19 MIN. LWC OVER A STRUCTURAL CONCRETE DECK.
- VEHICULAR TRAFFIC WATERPROOFING SYSTEM @ PARKING GARAGE EXPOSED TO THE ELEMENTS: - VULKEM 350/346/348 (VEHICULAR TRAFFIC DECK COATING). - TERMINATE UP THE PERIMETER WALLS OR ONTO A ROULET WHERE APPLICABLE PER MANUFACTURERS SPECS. - TERMINATE 1 PARKING SPACE WIDTH PAST THE FOOTPRINT OVER THE OCCUPIED AREA BELOW. - THE AREA OF FLOOR USED FOR AUTOMOBILES OR OTHER VEHICLES SHALL BE SLOPED TO FACILITATE THE MOVEMENT OF LIQUIDS TO A DRAIN.
- EXTERIOR BUILDING COATING SYSTEM (RECOMMENDATION): BASF MASTERPROTECT HB 400 COATING (RECOMMEND TWO (2) COAT APPLICATION TO GET A 12 - 16 DFT).

EV VEHICLE CHARGING - LEGEND

- EVSE - VEHICLE PARKING WITH CHARGING STATION
- EV - PARKING SPACE WITH INFRASTRUCTURE READY FOR FUTURE CHARGING STATION



CORWIL ARCHITECTS
4210 LAGUNA ST. CORAL GABLES FL 33146
QUALIFIER LIC. NO. AR0016003 T.305.448.7383

PROJECT:

UNIVERSITY STATION

NORTH TOWER:

421 N 21 AVE., HOLLYWOOD, FL 33020

SOUTH TOWER:

309 N 21 AVE., HOLLYWOOD, FL 33020

GARAGE:

2031 POLK ST, HOLLYWOOD, FL 33020

OWNER:

UNIVERSITY STATION I, LLC

GROUND FLOOR PLAN (GARAGE)

PHASE:

PERMIT SET

PERMIT No.:

REVISIONS		
No.	Revision Description	Date
4	Bldg. Dept. Comments	04/03/23
5	Bldg. Dept. Comments	04/17/23
7	Coordination	05/03/23
8	Coordination	06/12/23
9	Coordination	07/14/23
10	Coordination	08/17/23
12	Bldg. Dept. Comments	03/08/24

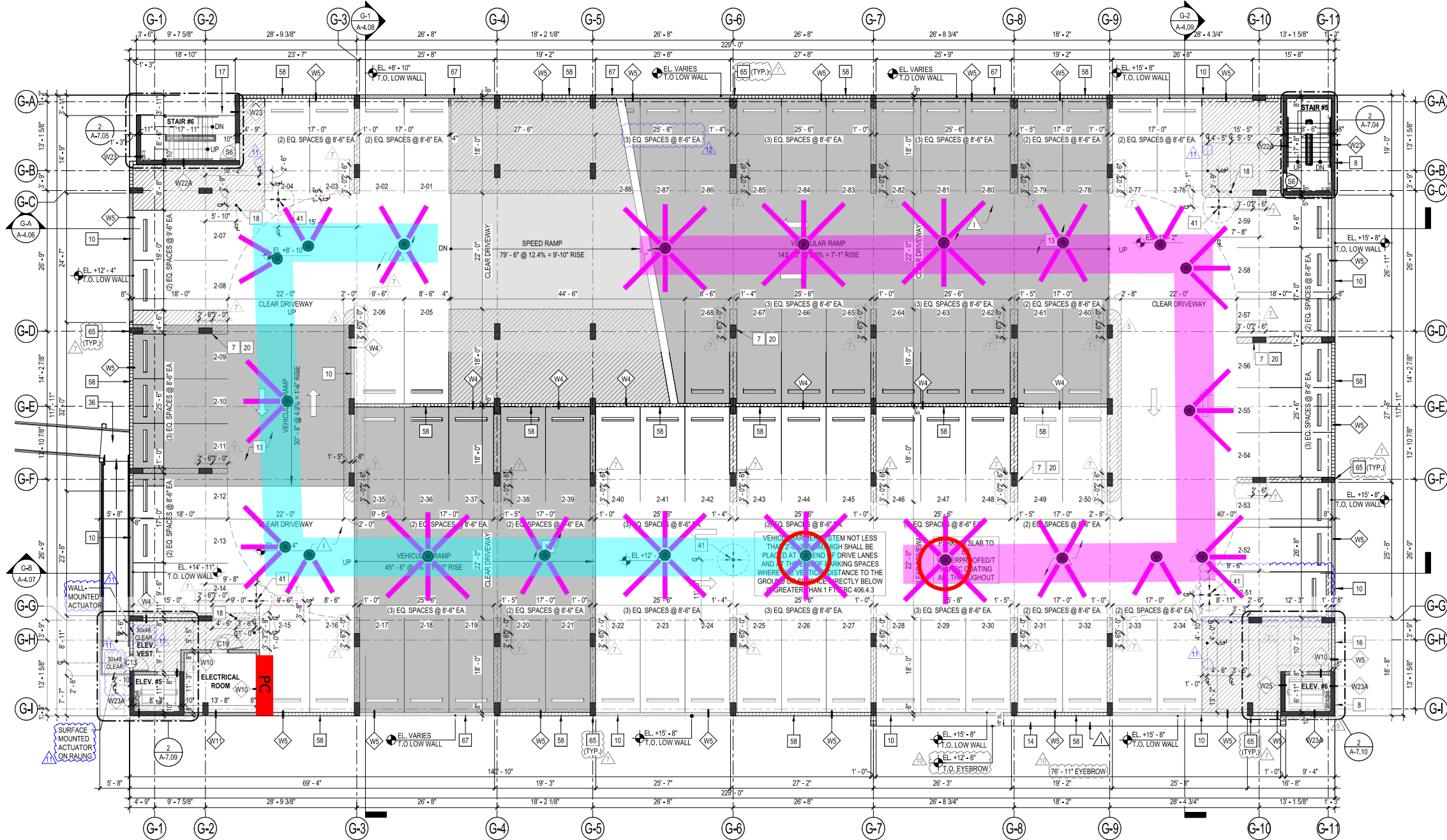
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DATE: 3/7/2020
JOB No.: 2020-11
DRAWN BY: RZ, CM, DR
APPR BY: AMC
PRINTED: 03/14/2024

SHEET NUMBER:

A-2.00C



2ND LEVEL FLOOR PLAN (GARAGE)

SCALE: 3/32" = 1'-0"

GENERAL KEYNOTE LEGEND

- | | | |
|--|---|---|
| 1. CONCRETE SIDEWALK | 9. ALUMINUM GARAGE SCREEN, REFER TO SHEETS A-3.09 TO A-3.12A FOR ENLARGEMENTS. PROVIDE SHOP DRAWINGS FOR APPROVAL. REFER TO 4/A-3.09 & 3/A-3.10 FOR MORE INFORMATION. | 29. POOL DECK ACCESS GATE MIN. 48" HIGH A.F.F., PROVIDE VONDUPRIN 98L-374L-POOL-WH-4-US320, SELF-CLOSING, SELF-LATCHING, GATE W. PANIC HARDWARE DEVICE. |
| 2. CONCRETE FOUNDATION, REFER TO STRUCTURAL DWGS. | 18. BOLLARDS (TYP.), REFER TO DETAILS ON SHEET A-1.01, REFER TO STRUCTURAL DWG. FOR ADDITIONAL INFORMATION. | 30. HARDSCAPE, REFER TO LANDSCAPE DWGS. |
| 3. CONCRETE CURB, REFER TO CIVIL DWGS. | 19. WIRING PROVIDED FOR FUTURE ELECTRICAL VEHICLE PARKING (EV). | 31. LANDSCAPING, REFER TO LANDSCAPE DWGS. |
| 4. DETECTABLE WARNINGS | 20. CONC. GUARDS AT CORNERS OF WALLS & COLUMNS (TYP.) | 32. REFER TO LANDSCAPE PLANS FOR POOL DECK FINISHES. |
| 5. PEDESTRIAN ACCESSIBLE PATH | 21. CONCRETE ACCESS STEPS / STOOP, REFER TO SHEETS A-1.02 AND STRUCTURAL DRAWINGS. | 33. POOL COLLECTOR TANK. |
| 6. H.C. ACCESSIBLE VAN: ACCESS & EGRESS PATH MUST BE 8'-2" MIN. CLEAR HEADROOM | 22. ALUMINUM CAT II SAFETY GLAZING IMPACT RESISTANT STOREFRONT SYSTEM, REFER TO A-10.00 SERIES SHEETS FOR ELEVATIONS AND DETAILS. | 34. GARAGE GATE TO BE SELECTED BY OWNER. SUBMIT SHOP DRAWINGS FOR APPROVAL, SEE GATE NOTES. |
| 7. STRUCTURAL COLUMN, REFER TO STRUCTURAL DWG. FOR DTLS. PROVIDE LIGHT TEXTURE CEMENT PLASTER FINISH (TYP. THROUGHOUT UNLESS OTHERWISE NOTED). | 23. ALUMINUM CAT II SAFETY GLAZING IMPACT RESISTANT WINDOW SYSTEM, REFER TO A-10.00 SERIES SHEETS FOR ELEVATIONS AND DETAILS. | 35. BRIDGE BY DELEGATED ENGINEER UNDER SEPARATE SUBMITTAL. |
| 8. STRUCTURAL WALL (SHEARWALL), REFER TO STRUCTURAL DWG. FOR DTLS. | 24. SLIDING DOOR FRAME & IMPACT RESISTANT CAT II GLASS (TYP.), REFER TO A-10.00 SERIES SHEETS FOR ELEVATIONS AND DETAILS. | 36. BACK FLOW, REFER TO CIVIL PLANS FOR DETAILS. |
| 9. STRUCTURAL CONCRETE BEAM, REFER TO STRUCTURAL DWG. FOR DTLS. | 25. IMPACT RESISTANT METAL DOOR, REFER TO DOOR SCHEDULE ON SHEET A-4.00. | 37. BIKE RACK, REFER TO SHEET A1.01A FOR DETAILS. |
| 10. TYP. LOW WALL 42" HIGH (PROVIDE CRASH WALL 2'-8" MIN. TYP. REFER TO STRUCTURAL DWGS FOR DETAILS) | 26. INTERIOR CAT II SAFETY GLAZING STOREFRONT SYSTEM, REFER TO A-10.00 SERIES SHEETS FOR ELEVATIONS AND DETAILS. | 38. ADA FLOOR MOUNTED BIKE RACK, REFER TO SHEET A-1.01A FOR DETAIL. |
| 11. SLAB ON GRADE W/ 15 MIL VAPOR BARRIER SYSTEM. | 27. 42 1/2" HIGH MIN. A.F.F. (TAKEN FROM INTERIOR F.F.E.) BALCONY/GUARD 2"x10" MESH RAILING. SHALL REJECT 4" OBJECTS. SUBMIT SHOP-DRAWINGS FOR APPROVAL PRIOR TO FABRICATION, REFER TO DETAILS ON SHEET A-9.01. | 39. BIKE REPAIR STATION, REFER TO SHEET A-1.01A FOR DETAIL. |
| 12. STRUCTURAL SLAB, REFER TO STRUCTURAL DRAWINGS. | 28. 6'-0" HIGH MIN. A.F.F. (TAKEN FROM INTERIOR F.F.E.) ALUMINUM MESH PRIVACY PARTITION DIVIDER AT BALCONIES. SUBMIT SHOP-DRAWINGS FOR APPROVAL. REFER TO DETAILS ON SHEET A-9.01. | 40. FLOOR DRAIN (TYP.) |
| 13. VEHICULAR RAMP, REFER TO STRUCTURAL DWGS. | | 41. LINEAR DRAIN (TYP.) |
| 14. CONCRETE EYEBROW REFER TO STRUCTURAL DWG. FOR DETAILS. | | 42. TRENCH DRAIN (TYP.) REFER TO PLUMBING DRAWINGS. |
| 15. BALCONY/ TERRACE CONCRETE SLAB PROPERLY SLOPED TO EXTERIOR. PROVIDE WATERPROOFING AT ALL ELEVATED BALCONIES/ TERRACES AND CONCRETE SLABS OR AS OTHERWISE INDICATED BY DRAWINGS. EXTEND VERTICALLY A MIN. 2" AT ALL ADJACENT WALLS. REFER TO DETAIL ON A-9.01 | | 43. MECHANICAL EQUIPMENT, REFER TO MEP DRAWINGS FOR DTLS. (KYNAR 500 FINISH OR EQUAL) |
| 16. CMU WALL WITH 5/8" MIN. EXT. STUCCO FINISH ON ALL EXPOSED SIDES. SAMPLE TO BE PROVIDED FOR APPROVAL PRIOR TO INSTALL. | | 44. FLAT ROOF SLOPE 1/4" 12' MIN. REFER TO ROOF PLAN AND SHEET SERIES A-9.00. |

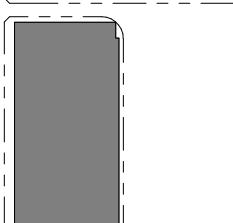
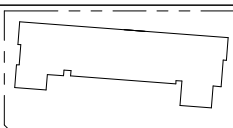
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|---|---|
| 45. PRIMARY ROOF DRAIN (TYP.). SEE PLUMBING FOR INFORMATION AND DETAILS. | 61. LIGHT TEXTURE CEMENT PLASTER FINISH (TYP. THROUGHOUT UNLESS OTHERWISE NOTED). |
| 46. EMERGENCY OVERFLOW FLOOR DRAIN (TYP.) | 62. CONT. 1" WIDE BY 1/4" DEEP STUCCO SCORE LINE. ALL LINES TO BE CONTINUOUS AND AT SAME HEIGHT THROUGHOUT ELEVATIONS. SEE DETAIL IN A-11.00 SERIES SHEETS. PROVIDE THROUGHOUT AT MAX. 144 SF. OF STUCCO AREA. (TYP.) |
| 47. CONCRETE PLATFORM AT STAIR DOOR TO ROOF, DETAIL ON SHEET A-9.00 | 63. MECHANICAL CHASE |
| 48. TRASH CHUTE, REFER TO A-7.03 | 64. WELL COMPACTED FILL, REFER TO STRUCTURAL DWGS. FOR REQUIRED COMPACTION. |
| 49. ROOF PARAPET, REFER TO ARCHITECTURAL AND STRUCTURE DRAWINGS FOR DETAILS. | 65. SMOOTH CEMENT TEXTURE PLASTER. TYPICAL THROUGHOUT UNLESS OTHERWISE SPECIFIED. |
| 50. SINGLE PLY MEMBRANE ROOFING OVER LIGHTWEIGHT INSULATING CONCRETE SLOPED TO DRAINS. SEE SHEET SERIES A-9 FOR ROOF DETAILS. | 66. EYEBROW DROPPED BEAM, REFER TO STRUCTURES AND DETAIL ON SHEETS A-9.01 SERIE |
| 51. SECONDARY CONCRETE TOPPING SLOPED TO DRAIN 1/4" PER FT. MIN. WITH TREMCO | 67. TOP OF 42" HIGH LOW WALL TO FOLLOW RAMP PROFILE (PROVIDE CRASH WALL 2'-8" MIN. TYP. REFER TO STRUCTURAL DWGS FOR DETAILS) |
| 52. PROVIDE RIGID INSULATION (R-19 VALUE) AT OCCUPIED SPACES UNDER FLAT ROOF | 68. IMPACT RESISTANT ALUMINUM ROLLING DOOR TO MATCH WALL COLOR WHERE LOCATED. |
| 53. GUTTER, REFER TO CIVIL DRAWINGS. | 69. PRECAST CONCRETE WHEEL STOP. SEE A-1.00 SERIE FOR DETAILS. |
| 54. MECHANICAL LOUVER, REFER TO MECHANICAL DWGS. & ARCHITECTURAL A-10.00 SHEETS FOR SIZES. TO BE PAINTED TO MATCH BACKGROUND WALL. | 70. STAIR CORE AT ROOF LEVEL. |
| 55. UNIT INTAKE / EXHAUST VENT. REFER TO MECHANICAL DWGS. TO BE PAINTED TO MATCH BACKGROUND WALL. | 71. ELEVATOR CORE AT ROOF LEVEL. |
| 56. EXTERIOR PLASTER CEILING. REFER TO SHEETS SERIE A-8.02 FOR TYPICAL CEILING DETAILS, AND SHEETS A-5.00 TO A-5.10 FOR TYPES AND LOCATION (TYP.) | 72. 34" A.F.F. HANDRAIL ATTACHED TO CONCRETE SLAB. REFER TO SHEETS A-9.01 AND A-10.04 FOR DETAILS. |
| 57. 2'-8" HIGH CONCRETE CRASH WALL (TYP.) SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION. | 73. 3/4" CONT. SLAB RECESS (TYP.) |
| 58. WALL MOUNTED, EXTERIOR GRADE LIGHT FIXTURE, TO BE SELECTED BY OWNER, REFER TO ELECTRICAL DWGS. | 74. CONTINUOUS DRIP EDGE (TYP.) |
| 59. BUILDING ADDRESS IDENTIFICATION SIGNAGE. SIGNAGE TO BE UNDER SEPARATE PERMIT. | 75. 36" X 48" MIN. ACCESS PANEL FOR MAINTENANCE ONLY. SUBMIT SHOP DWGS. FOR APPROVAL. SEE DETAIL ON SHEET A-11.00 |

PARKING BREAKDOWN

2ND PARKING LEVEL	
TYPE	QUANTITY
STANDARD	93
H.C. ACCESSIBLE	0
TOTAL	93

NOTES:

VEHICLE BARRIER SYSTEM NOT LESS THAN 2'-8" (835 MM) HIGH SHALL BE PLACED AT THE END OF DRIVE LANES AND AT THE END OF PARKING SPACES WHERE THE VERTICAL DISTANCE TO THE GROUND OR SURFACE DIRECTLY BELOW IS GREATER THAN 1 FT. FBC 406.4.3



WALL & SYMBOL LEGEND

- REIN. CMU WALL W/O FURRING
- REIN. CMU WALL W/O FURRING (2 HOUR RATED)
- REIN. CMU WALL W/O FURRING (3 HOUR RATED)
- REIN. SHEAR WALL (2 HOUR RATED)
- LOW PARAPET WALL @ 42" MIN.
- TYP. METAL STUD PARTITION WALL
- TYP. 1 HOUR TENANT SEPARATION/SMOKE BARRIER METAL STUD PARTITION WALL
- 2 HOUR UL RATED SHAFT WALL
- DENOTES 1/2" MAX. F.F. THRESHOLD
- WINDOW TYPE. REFER TO WINDOW SCHEDULE
- DOOR NUMBER. REFER TO DOOR SCHEDULE
- STOREFRONT TYPE / LOUVER TYPE
- LOUVER TYPE. REFER TO SERIES A-10.00
- CENTER LINE
- WALL TYPE. SEE SHEET A-8.01
- PAVEMENT STRIPED ZONE- NO PARKING, NO DRIVING & NO STANDING AREA
- HATCH DENOTES ACCESSIBLE ROUTE STRIPING. REFER TO TRAFFIC PLANS.
- WALL/ PEDESTAL MOUNTED ACTUATOR TO BE CONNECTED / COORDINATED TO SECURITY SYSTEM

WATERPROOFING LEGEND

- SLAB ON GRADE: STEGO WRAP 15-MIL VAPOR BARRIER BELOW SLAB THROUGHOUT SLAB ON GRADE
- BELOW GRADE ELEVATOR PIT: VOLTEX DSCR BENTONITE WATERPROOFING ENCAPSULATING ELEVATOR PIT.
- BELOW GRADE POST APPLIED WATERPROOFING SYSTEM: PROVIDE TREMCO TREMPROOF 250GC 60-MIL AT CONCRETE WALLS EXPOSED TO EARTHEN FILL.
- B.O.H. / MAINTENANCE ROOMS: WALLS: 2 COAT BM COROTEC - POLYIMIDE HS EPOXY COATING. (PAINT UP TO 48" FROM FLOOR) FLOORING: EUCUID CHEMICAL EUCOPOXY TUF COAT.
- CONCRETE BALCONIES, CANOPIES, AND EYEBROWS (NON-OCCUPIED) SPACES: APPLY TREMCO VULKEM 350/351 AT BALCONIES & EYEBROWS. SANDED TO REJECTION CMU WALLS TO BE PARGED WITH TAMOSEAL PRIOR TO INSTALLATION OF VULKEM 350NF/351.
- BALCONIES, TERRACE, & CANOPIES (OCCUPIED SPACE) TREMCO VULKEM EWS PUMA FLUID APPLIED WATERPROOFING
- POOL STRUCTURE: PER POOL CONTRACTOR.
- SINGLE PLY ROOFING SYSTEMS: 60-MIL MIN. SINGLE PLY MEMBRANE FULLY ADHERED SYSTEM OVER R19 MIN. LWIC OVER A STRUCTURAL CONCRETE DECK.
- VEHICULAR TRAFFIC WATERPROOFING SYSTEM @ PARKING GARAGE EXPOSED TO THE ELEMENTS: VULKEM 350/346/346 (VEHICULAR TRAFFIC DECK COATING). TERMINATE UP THE PERIMETER WALLS OR ONTO A REGLET WHERE APPLICABLE PER MANUFACTURER'S SPECS. TERMINATE 1 PARKING SPACE WIDTH PAST THE FOOTPRINT OVER THE OCCUPIED AREA BELOW. THE AREA OF FLOOR USED FOR AUTOMOBILES OR OTHER VEHICLES SHALL BE SLOPED TO FACILITATE THE MOVEMENT OF LIQUIDS TO A DRAIN.
- EXTERIOR BUILDING COATING SYSTEM (RECOMMENDATION) BASF MASTERPROTECT HB 400 COATING (RECOMMEND TWO (2) COAT APPLICATION TO GET A 12 - 16 DFT).

EV VEHICLE CHARGING - LEGEND

- EVSE - VEHICLE PARKING WITH CHARGING STATION

- EV - PARKING SPACE WITH INFRASTRUCTURE READY FOR FUTURE CHARGING STATION

KEY PLAN

N.T.S.



CORWIL ARCHITECTS
4210 LAGUNA ST. CORAL GABLES FL 33146
QUALIFIER LIC. NO. AR0016003 T.305.448.7383

PROJECT:

UNIVERSITY STATION

NORTH TOWER:

421 N 21 AVE., HOLLYWOOD, FL 33020

SOUTH TOWER:

309 N 21 AVE., HOLLYWOOD, FL 33020

GARAGE:

2031 POLK ST, HOLLYWOOD, FL 33020

OWNER:

UNIVERSITY STATION I, LLC

2ND FLOOR PLAN (GARAGE)

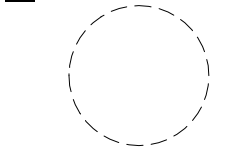
PHASE:

PERMIT SET

PERMIT No.:

REVISIONS		
No.	Revision Description	Date
5	Bldg. Dept. Comments	04/17/23
7	Coordination	05/03/23
8	Coordination	06/12/23
9	Coordination	07/14/23
10	Coordination	08/17/23
11	Coordination	03/08/24
12	Bldg. Dept. Comments	03/08/24

SEAL:

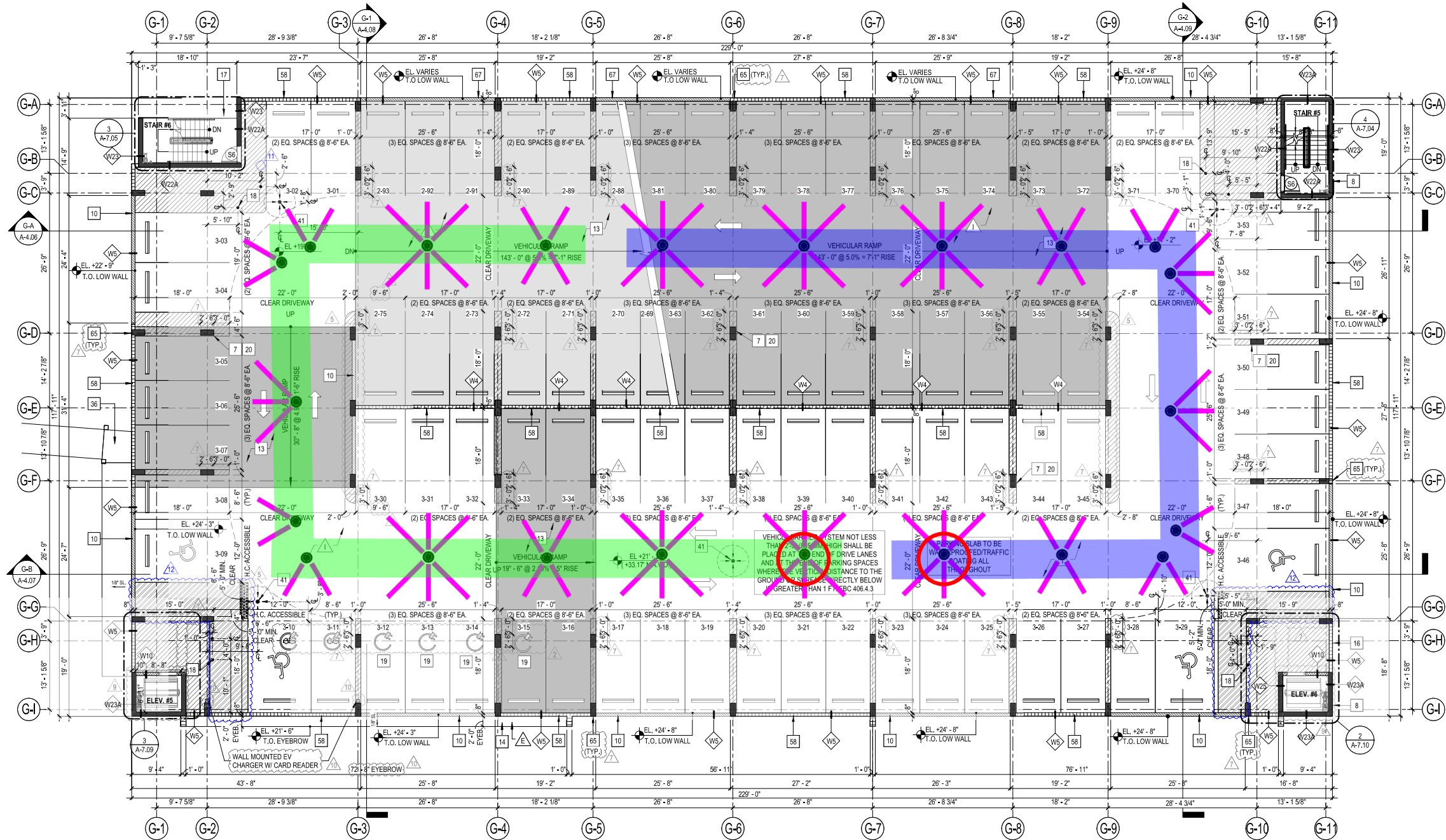


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DATE: 3/7/2020
JOB No.: 2020-11
DRAWN BY: RZ, CM, DR
APPR BY: AMC
PRINTED: 03/14/2024

SHEET NUMBER:

A-2.01C



3RD LEVEL FLOOR PLAN (GARAGE)

SCALE: 3/32" = 1'-0"

GENERAL KEYNOTE LEGEND

1. CONCRETE SIDEWALK	17. ALUMINUM GARAGE SCREEN, REFER TO SHEETS A-3.09 TO A-3.12A FOR ENLARGEMENTS. PROVIDE SHOP DRAWINGS FOR APPROVAL. REFER TO 4/A-3.09 & 3/A-3.10 FOR MORE INFORMATION.	29. POOL DECK ACCESS GATE MIN. 48" HIGH A.F.F., PROVIDE VONDUPRIN 98L-374L-POOL-WH-4-US320. SELF-CLOSING, SELF-LATCHING, GATE W. PANIC HARDWARE DEVICE.
2. CONCRETE FOUNDATION. REFER TO STRUCTURAL DWGS.	18. BOLLARDS (TYP.), REFER TO DETAILS ON SHEET A-1.01, REFER TO STRUCTURAL DWG. FOR ADDITIONAL INFORMATION.	30. HARDSCAPE, REFER TO LANDSCAPE DWGS.
3. CONCRETE CURB, REFER TO CIVIL DWGS.	19. WIRING PROVIDED FOR FUTURE ELECTRICAL VEHICLE PARKING (EV).	31. LANDSCAPING, REFER TO LANDSCAPE DWGS.
4. DETECTABLE WARNINGS	20. CONC. GUARDS AT CORNERS OF WALLS & COLUMNS (TYP.)	32. ARTIFICIAL GREEN WALL BY EASYGRASS OR APPROVED EQUAL, SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
5. PEDESTRIAN ACCESSIBLE PATH	21. CONCRETE ACCESS STEPS / STOOP, REFER TO SHEETS A-1.02 AND STRUCTURAL DRAWINGS.	33. REFER TO LANDSCAPE PLANS FOR POOL DECK FINISHES.
6. H.C. ACCESSIBLE VAN: ACCESS & EGRESS PATH MUST BE 8'-2" MIN. CLEAR HEADROOM	22. ALUMINUM CAT II SAFETY GLAZING IMPACT RESISTANT STOREFRONT SYSTEM, REFER TO A-10.00 SERIES SHEETS FOR ELEVATIONS AND DETAILS.	34. POOL COLLECTOR TANK.
7. STRUCTURAL COLUMN, REFER TO STRUCTURAL DWG. FOR DTLS. PROVIDE LIGHT TEXTURE CEMENT PLASTER FINISH (TYP. THROUGHOUT UNLESS OTHERWISE NOTED).	23. ALUMINUM CAT II SAFETY GLAZING IMPACT RESISTANT WINDOW SYSTEM, REFER TO A-10.00 SERIES SHEETS FOR ELEVATIONS AND DETAILS.	35. GARAGE GATE TO BE SELECTED BY OWNER. SUBMIT SHOP DRAWINGS FOR APPROVAL, SEE GATE NOTES.
8. STRUCTURAL WALL (SHEARWALL), REFER TO STRUCTURAL DWG. FOR DTLS.	24. SLIDING DOOR FRAME & IMPACT RESISTANT CAT II GLASS (TYP.), REFER TO A-10.00 SERIES SHEETS FOR ELEVATIONS AND DETAILS.	36. BRIDGE BY DELEGATED ENGINEER UNDER SEPARATE SUBMITTAL.
9. STRUCTURAL CONCRETE BEAM, REFER TO STRUCTURAL DWG. FOR DTLS.	25. IMPACT RESISTANT METAL DOOR, REFER TO DOOR SCHEDULE ON SHEET A-4.00.	37. BACK FLOW, REFER TO CIVIL PLANS FOR DETAILS.
10. TYP. LOW WALL 42" HIGH (PROVIDE CRASH WALL 2'-8" MIN. TYP. REFER TO STRUCTURAL DWGS FOR DETAILS)	26. INTERIOR CAT II SAFETY GLAZING STOREFRONT SYSTEM, REFER TO A-10.00 SERIES SHEETS FOR ELEVATIONS AND DETAILS.	38. BIKE RACK, REFER TO SHEET A1.01A FOR DETAILS.
11. SLAB ON GRADE W/ 15 MIL VAPOR BARRIER SYSTEM.	27. 42 1/2" HIGH MIN. A.F.F. (TAKEN FROM INTERIOR F.F.E.) BALCONY/GUARD 2"x10" MESH RAILING. SHALL REJECT 4" OBJECTS. SUBMIT SHOP-DRAWINGS FOR APPROVAL PRIOR TO FABRICATION, REFER TO DETAILS ON SHEET A-9.01.	39. ADA FLOOR MOUNTED BIKE RACK, REFER TO SHEET A-1.01A FOR DETAIL.
12. STRUCTURAL SLAB, REFER TO STRUCTURAL DRAWINGS.	28. 6'-0" HIGH MIN. A.F.F. (TAKEN FROM INTERIOR F.F.E.) ALUMINUM MESH PRIVACY PARTITION DIVIDER AT BALCONIES. SUBMIT SHOP-DRAWINGS FOR APPROVAL. REFER TO DETAILS ON SHEET A-9.01.	40. BIKE REPAIR STATION, REFER TO SHEET A-1.01A FOR DETAIL.
13. VEHICULAR RAMP, REFER TO STRUCTURAL DWGS.		41. FLOOR DRAIN (TYP.)
14. CONCRETE EYEBROW REFER TO STRUCTURAL DWG. FOR DETAILS.		42. TRENCH DRAIN (TYP.) REFER TO PLUMBING DRAWINGS.
15. BALCONY/ TERRACE CONCRETE SLAB PROPERLY SLOPED TO EXTERIOR. PROVIDE WATERPROOFING AT ALL ELEVATED BALCONIES/ TERRACES AND CONCRETE SLABS OR AS OTHERWISE INDICATED BY DRAWINGS, EXTEND VERTICALLY A MIN. 2" AT ALL ADJACENT WALLS. REFER TO DETAIL ON A-9.01		43. MECHANICAL EQUIPMENT, REFER TO MEP DRAWINGS FOR DTLS. (KYNAR 500 FINISH OR EQUAL)
16. CMU WALL WITH 5/8" MIN. EXT. STUCCO FINISH ON ALL EXPOSED SIDES. SAMPLE TO BE PROVIDED FOR APPROVAL PRIOR TO INSTALL.		44. FLAT ROOF SLOPE 1/4" 12' MIN. REFER TO ROOF PLAN AND SHEET SERIES A-9.00.

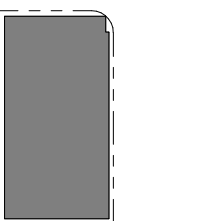
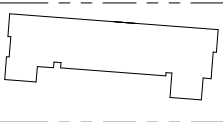
45. PRIMARY ROOF DRAIN (TYP.). SEE PLUMBING FOR INFORMATION AND DETAILS.	61. LIGHT TEXTURE CEMENT PLASTER FINISH (TYP. THROUGHOUT UNLESS OTHERWISE NOTED).
46. EMERGENCY OVERFLOW FLOOR DRAIN (TYP.)	62. CONT. 1" WIDE BY 1/4" DEEP STUCCO SCORE LINE, ALL LINES TO BE CONTINUOUS AND AT SAME HEIGHT THROUGHOUT ELEVATIONS. SEE DETAIL IN A-11.00 SERIES SHEETS. PROVIDE THROUGHOUT AT MAX. 144 SF. OF STUCCO AREA. (TYP.)
47. CONCRETE PLATFORM AT STAIR DOOR TO ROOF, DETAIL ON SHEET A-9.00	63. MECHANICAL CHASE
48. TRASH CHUTE, REFER TO A-7.03	64. WELL COMPACTED FILL, REFER TO STRUCTURAL DWGS. FOR REQUIRED COMPACTION.
49. ROOF PARAPET, REFER TO ARCHITECTURAL AND STRUCTURE DRAWINGS FOR DETAILS.	65. SMOOTH CEMENT TEXTURE PLASTER, TYPICAL THROUGHOUT UNLESS OTHERWISE SPECIFIED.
50. SINGLE PLY MEMBRANE ROOFING OVER LIGHTWEIGHT INSULATING CONCRETE SLOPED TO DRAINS. SEE SHEET SERIES A-9 FOR ROOF DETAILS.	66. EYEBROW DROPPED BEAM, REFER TO STRUCTURES AND DETAIL ON SHEETS A-9.01 SERIE
51. SECONDARY CONCRETE TOPPING SLOPED TO DRAIN 1/4" PER FT. MIN. WITH TREMCO	67. TOP OF 42" HIGH LOW WALL TO FOLLOW RAMP PROFILE (PROVIDE CRASH WALL 2'-8" MIN. TYP. REFER TO STRUCTURAL DWGS FOR DETAILS)
52. PROVIDE RIGID INSULATION (R-19 VALUE) AT OCCUPIED SPACES UNDER FLAT ROOF	68. IMPACT RESISTANT ALUMINUM ROLLING DOOR TO MATCH WALL COLOR WHERE LOCATED.
53. GUTTER, REFER TO CIVIL DRAWINGS.	69. PRECAST CONCRETE WHEEL STOP, SEE A-1.00 SERIE FOR DETAILS.
54. MECHANICAL LOUVER, REFER TO MECHANICAL DWGS. & ARCHITECTURAL A-10.00 SHEETS FOR SIZES. TO BE PAINTED TO MATCH BACKGROUND WALL.	70. STAIR CORE AT ROOF LEVEL.
55. UNIT INTAKE / EXHAUST VENT. REFER TO MECHANICAL DWGS. TO BE PAINTED TO MATCH BACKGROUND WALL.	71. ELEVATOR CORE AT ROOF LEVEL.
56. EXTERIOR PLASTER CEILING, REFER TO SHEETS SERIE A-8.02 FOR TYPICAL CEILING DETAILS, AND SHEETS A-5.00 TO A-5.10 FOR TYPES AND LOCATION (TYP.)	72. 34" A.F.F. HANDRAIL ATTACHED TO CONCRETE SLAB, REFER TO SHEETS A-9.01 AND A-10.04 FOR DETAILS.
57. 2'-8" HIGH CONCRETE CRASH WALL (TYP.) SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.	73. 3/4" CONT. SLAB RECESS (TYP.)
58. WALL MOUNTED, EXTERIOR GRADE LIGHT FIXTURE, TO BE SELECTED BY OWNER, REFER TO ELECTRICAL DWGS.	74. CONTINUOUS DRIP EDGE (TYP.)
59. BUILDING ADDRESS IDENTIFICATION SIGNAGE, SIGNAGE TO BE UNDER SEPARATE PERMIT.	75. 36" X 48" MIN. ACCESS PANEL FOR MAINTENANCE ONLY. SUBMIT SHOP DWGS. FOR APPROVAL. SEE DETAIL ON SHEET A-11.00

PARKING BREAKDOWN

3RD PARKING LEVEL	
TYPE	QUANTITY
STANDARD	83
H.C. ACCESSIBLE	4
TOTAL	87

NOTES:

VEHICLE BARRIER SYSTEM NOT LESS THAN 2'-8" (835 MM) HIGH SHALL BE PLACED AT THE END OF DRIVE LANES AND AT THE END OF PARKING SPACES WHERE THE VERTICAL DISTANCE TO THE GROUND OR SURFACE DIRECTLY BELOW IS GREATER THAN 1 FT. FBC 406.4.3



WALL & SYMBOL LEGEND

	REINF. CMU WALL W/O FURRING
	REINF. CMU WALL W/O FURRING (2 HOUR RATED)
	REINF. CMU WALL W/O FURRING (3 HOUR RATED)
	REINF. SHEAR WALL (2 HOUR RATED)
	LOW PARAPET WALL @ 42" MIN.
	TYP. METAL STUD PARTITION WALL
	TYP. 1 HOUR TENANT SEPARATION/SMOKE BARRIER METAL STUD PARTITION WALL
	2 HOUR UL RATED SHAFT WALL
	DENOTES 1/2" MAX. F.F. THRESHOLD
	WINDOW TYPE, REFER TO WINDOW SCHEDULE
	DOOR NUMBER, REFER TO DOOR SCHEDULE
	STOREFRONT TYPE / LOUVER TYPE
	LOUVER TYPE, REFER TO SERIES A-10.00
	CENTER LINE
	WALL TYPE, SEE SHEET A-8.01
	PAVEMENT STRIPED ZONE- NO PARKING, NO DRIVING & NO STANDING AREA
	HATCH DENOTES ACCESSIBLE ROUTE STRIPING, REFER TO TRAFFIC PLANS
	WALL/ PEDESTAL MOUNTED ACTUATOR TO BE CONNECTED / COORDINATED TO SECURITY SYSTEM

WATERPROOFING LEGEND

	SLAB ON GRADE, STEGO WRAP 15-MIL VAPOR BARRIER BELOW SLAB THROUGHOUT SLAB ON GRADE
	BELOW GRADE ELEVATOR PIT, VOLTEX DSCR BENTONITE WATERPROOFING ENCAPSULATING ELEVATOR PIT.
	BELOW GRADE POST APPLIED WATERPROOFING SYSTEM, PROVIDE TREMCO TREMPROOF 250GC 60-MIL AT CONCRETE WALLS EXPOSED TO EARTHEN FILL.
	B.O.H. / MAINTENANCE ROOMS: - WALLS: 2 COAT BM COROTECTH - POLYIMIDE HS EPOXY COATING. (PAINT UP TO 48" FROM FLOOR) - FLOORING: EUCLID CHEMICAL EUCOEPOXY TUF COAT.
	CONCRETE BALCONIES, CANOPIES, AND EYEBROWS (NON-OCCUPIED) SPACES - APPLY TREMCO VULKEM 350/351 AT BALCONIES & EYEBROWS - SANDED TO REJECT. - CMU WALL TO BE PARGED WITH TAMOSEAL PRIOR TO INSTALLATION OF VULKEM 350NF/351.
	BALCONIES, TERRACE, & CANOPIES (OCCUPIED) SPACE, TREMCO VULKEM EWMS PUMA FLUID APPLIED WATERPROOFING
	POOL STRUCTURE, PER POOL CONTRACTOR.
	SINGLE PLY ROOFING SYSTEMS, 60-MIL MIN. SINGLE PLY MEMBRANE FULLY ADHERED SYSTEM OVER R19 MIN. LWC OVER A STRUCTURAL CONCRETE DECK.
	VEHICULAR TRAFFIC WATERPROOFING SYSTEM, PARKING GARAGE EXPOSED TO THE ELEMENTS, VULKEM 350/340/346 (VEHICULAR TRAFFIC DECK COATING). - TERMINATE UP THE PERIMETER WALLS OR ONTO A REGLET WHERE APPLICABLE PER MANUFACTURERS SPECS. - TERMINATE 1 PARKING SPACE WIDTH PAST THE FOOTPRINT OVER THE OCCUPIED AREA BELOW. - THE AREA OF FLOOR USED FOR AUTOMOBILES OR OTHER VEHICLES SHALL BE SLOPED TO FACILITATE THE MOVEMENT OF LIQUIDS TO A DRAIN.
	EXTERIOR BUILDING COATING SYSTEM (RECOMMENDATION) BASF MASTERPROTECT HB 400 COATING (RECOMMEND TWO (2) COAT APPLICATION TO GET A 12 - 16 DFT).

EV VEHICLE CHARGING - LEGEND

	EVSE - VEHICLE PARKING WITH CHARGING STATION
	EV - PARKING SPACE WITH INFRASTRUCTURE READY FOR FUTURE CHARGING STATION

KEY PLAN

N.T.S.



CORWIL ARCHITECTS
4210 LAGUNA ST. CORAL GABLES FL 33146
QUALIFIER LIC. NO. AR0016003 T:305.448.7383

PROJECT:

UNIVERSITY STATION

NORTH TOWER:

421 N 21 AVE., HOLLYWOOD, FL 33020

SOUTH TOWER:

309 N 21 AVE., HOLLYWOOD, FL 33020

GARAGE:

2031 POLK ST, HOLLYWOOD, FL 33020

OWNER:

UNIVERSITY STATION I, LLC

3RD LEVEL FLOOR PLAN (GARAGE)

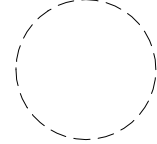
PHASE:

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REVISIONS		
No.	Revision Description	Date
2	Coordination	12/05/22
5	Bldg. Dept. Comments	04/17/23
7	Coordination	05/03/23
8	Coordination	06/12/23
9	Coordination	07/14/23
10	Coordination	08/17/23
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12	Bldg. Dept. Comments	03/08/24

SEAL:

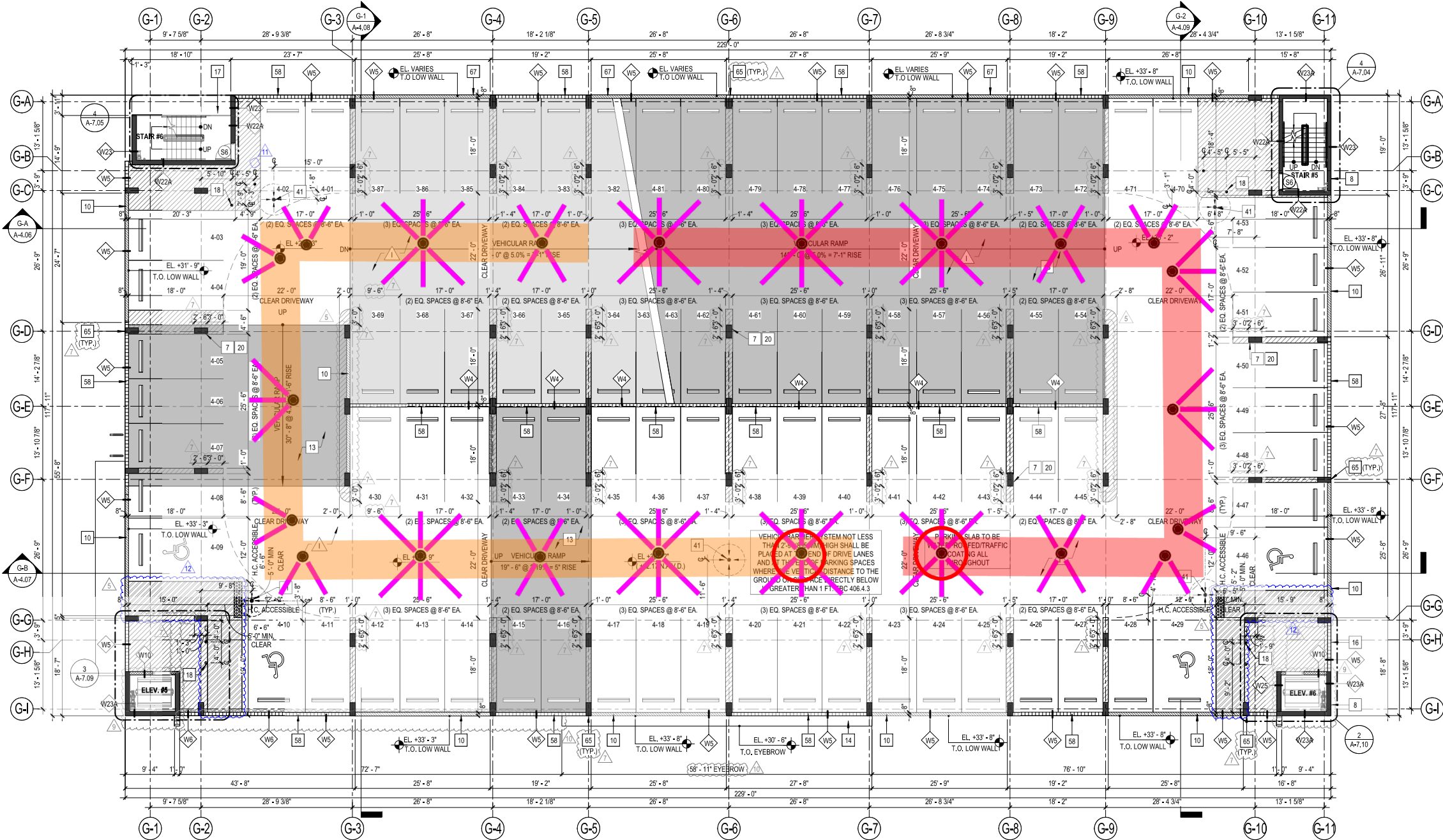


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APPR BY: AMC
PRINTED: 03/14/2024

SHEET NUMBER:

A-2.02C



4TH LEVEL FLOOR PLAN (GARAGE)

SCALE: 3/32" = 1'-0"

GENERAL KEYNOTE LEGEND

1. CONCRETE SIDEWALK	17. ALUMINUM GARAGE SCREEN, REFER TO SHEETS A-3.09 TO A-3.12A FOR ENLARGEMENTS. PROVIDE SHOP DRAWINGS FOR APPROVAL. REFER TO 4/A-3.09 & 3/A-3.10 FOR MORE INFORMATION.	29. POOL DECK ACCESS GATE MIN. 48" HIGH A.F.F., PROVIDE VONDUPRIN 98L-374L-POOL-WH-4-US320, SELF-CLOSING, SELF-LATCHING, GATE W. PANIC HARDWARE DEVICE.
2. CONCRETE FOUNDATION, REFER TO STRUCTURAL DWGS.	18. BOLLARDS (TYP.), REFER TO DETAILS ON SHEET A-1.01, REFER TO STRUCTURAL DWG. FOR ADDITIONAL INFORMATION.	30. HARDSCAPE, REFER TO LANDSCAPE DWGS.
3. CONCRETE CURB, REFER TO CIVIL DWGS.	19. WIRING PROVIDED FOR FUTURE ELECTRICAL VEHICLE PARKING (EV).	31. LANDSCAPING, REFER TO LANDSCAPE DWGS.
4. DETECTABLE WARNINGS	20. CONC. GUARDS AT CORNERS OF WALLS & COLUMNS (TYP.)	32. ARTIFICIAL GREEN WALL BY EASYGRASS OR APPROVED EQUAL, SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
5. PEDESTRIAN ACCESSIBLE PATH	21. CONCRETE ACCESS STEPS / STOOP, REFER TO SHEETS A-1.02 AND STRUCTURAL DRAWINGS.	33. REFER TO LANDSCAPE PLANS FOR POOL DECK FINISHES.
6. H.C. ACCESSIBLE VAN: ACCESS & EGRESS PATH MUST BE 8'-2" MIN. CLEAR HEADROOM	22. ALUMINUM CAT II SAFETY GLAZING IMPACT RESISTANT STOREFRONT SYSTEM, REFER TO A-10.00 SERIES SHEETS FOR ELEVATIONS AND DETAILS.	34. POOL COLLECTOR TANK.
7. STRUCTURAL COLUMN, REFER TO STRUCTURAL DWG. FOR DTLS. PROVIDE LIGHT TEXTURE CEMENT PLASTER FINISH (TYP. THROUGHOUT UNLESS OTHERWISE NOTED).	23. ALUMINUM CAT II SAFETY GLAZING IMPACT RESISTANT WINDOW SYSTEM, REFER TO A-10.00 SERIES SHEETS FOR ELEVATIONS AND DETAILS.	35. GARAGE GATE TO BE SELECTED BY OWNER. SUBMIT SHOP DRAWINGS FOR APPROVAL. SEE GATE NOTES.
8. STRUCTURAL WALL (SHEARWALL), REFER TO STRUCTURAL DWG. FOR DTLS.	24. SLIDING DOOR FRAME & IMPACT RESISTANT CAT II GLASS (TYP.), REFER TO A-10.00 SERIES SHEETS FOR ELEVATIONS AND DETAILS.	36. BRIDGE BY DELEGATED ENGINEER UNDER SEPARATE SUBMITTAL.
9. STRUCTURAL CONCRETE BEAM, REFER TO STRUCTURAL DWG. FOR DTLS.	25. IMPACT RESISTANT METAL DOOR, REFER TO DOOR SCHEDULE ON SHEET A-8.00.	37. BACK FLOW, REFER TO CIVIL PLANS FOR DETAILS.
10. TYP. LOW WALL 42" HIGH (PROVIDE CRASH WALL 2'-8" MIN. TYP. REFER TO STRUCTURAL DWGS FOR DETAILS)	26. INTERIOR CAT II SAFETY GLAZING STOREFRONT SYSTEM, REFER TO A-10.00 SERIES SHEETS FOR ELEVATIONS AND DETAILS.	38. BIKE RACK, REFER TO SHEET A1.01A FOR DETAILS.
11. SLAB ON GRADE W/ 15 MIL VAPOR BARRIER SYSTEM.	27. 42 1/2" HIGH MIN. A.F.F. (TAKEN FROM INTERIOR F.F.E.) BALCONY/GUARD 2"x10" MESH RAILING. SHALL REJECT 4" OBJECTS. SUBMIT SHOP-DRAWINGS FOR APPROVAL PRIOR TO FABRICATION. REFER TO DETAILS ON SHEET A-9.01.	39. ADA FLOOR MOUNTED BIKE RACK, REFER TO SHEET A-1.01A FOR DETAIL.
12. STRUCTURAL SLAB, REFER TO STRUCTURAL DRAWINGS.	28. 6'-0" HIGH MIN. A.F.F. (TAKEN FROM INTERIOR F.F.E.) ALUMINUM MESH PRIVACY PARTITION DIVIDER AT BALCONIES. SUBMIT SHOP-DRAWINGS FOR APPROVAL. REFER TO DETAILS ON SHEET A-9.01.	40. BIKE REPAIR STATION, REFER TO SHEET A-1.01A FOR DETAIL.
13. VEHICULAR RAMP, REFER TO STRUCTURAL DWGS.		41. FLOOR DRAIN (TYP.)
14. CONCRETE EYEBROW REFER TO STRUCTURAL DWG. FOR DETAILS.		42. LINEAR DRAIN (TYP.)
15. BALCONY/ TERRACE CONCRETE SLAB PROPERLY SLOPED TO EXTERIOR. PROVIDE WATERPROOFING AT ALL ELEVATED BALCONIES/ TERRACES AND CONCRETE SLABS OR AS OTHERWISE INDICATED BY DRAWINGS. EXTEND VERTICALLY A MIN. 2" AT ALL ADJACENT WALLS. REFER TO DETAIL ON A-9.01		43. TRENCH DRAIN (TYP.) REFER TO PLUMBING DRAWINGS.
16. CMU WALL WITH 5/8" MIN. EXT. STUCCO FINISH ON ALL EXPOSED SIDES. SAMPLE TO BE PROVIDED FOR APPROVAL PRIOR TO INSTALL.		44. MECHANICAL EQUIPMENT, REFER TO MEP DRAWINGS FOR DTLS. (KYNAR 500 FINISH OR EQUAL)
		45. FLAT ROOF SLOPE 1/4" 12' MIN. REFER TO ROOF PLAN AND SHEET SERIES A-9.00.

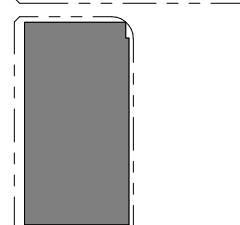
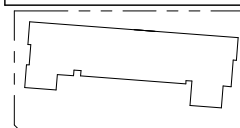
46. PRIMARY ROOF DRAIN (TYP.). SEE PLUMBING FOR INFORMATION AND DETAILS.	61. LIGHT TEXTURE CEMENT PLASTER FINISH (TYP. THROUGHOUT UNLESS OTHERWISE NOTED).
47. EMERGENCY OVERFLOW FLOOR DRAIN (TYP.)	62. CONT. 1" WIDE BY 1/4" DEEP STUCCO SCORE LINE. ALL LINES TO BE CONTINUOUS AND AT SAME HEIGHT THROUGHOUT ELEVATIONS. SEE DETAIL IN A-11.00 SERIES SHEETS. PROVIDE THROUGHOUT AT MAX. 144 SF. OF STUCCO AREA. (TYP.)
48. CONCRETE PLATFORM AT STAIR DOOR TO ROOF, DETAIL ON SHEET A-9.00	63. MECHANICAL CHASE
49. TRASH CHUTE, REFER TO A-7.03	64. WELL COMPACTED FILL, REFER TO STRUCTURAL DWGS. FOR REQUIRED COMPACTION.
50. ROOF PARAPET, REFER TO ARCHITECTURAL AND STRUCTURE DRAWINGS FOR DETAILS.	65. SMOOTH CEMENT TEXTURE PLASTER. TYPICAL THROUGHOUT UNLESS OTHERWISE SPECIFIED.
51. SINGLE PLY MEMBRANE ROOFING OVER LIGHTWEIGHT INSULATING CONCRETE SLOPED TO DRAINS. SEE SHEET SERIES A-9 FOR ROOF DETAILS.	66. EYEBROW DROPPED BEAM, REFER TO STRUCTURES AND DETAIL ON SHEETS A-9.01 SERIE
52. SECONDARY CONCRETE TOPPING SLOPED TO DRAIN 1/4" PER FT. MIN. WITH TREMCO	67. TOP OF 42" HIGH LOW WALL TO FOLLOW RAMP PROFILE (PROVIDE CRASH WALL 2'-8" MIN. TYP. REFER TO STRUCTURAL DWGS FOR DETAILS)
53. PROVIDE RIGID INSULATION (R-19 VALUE) AT OCCUPIED SPACES UNDER FLAT ROOF	68. IMPACT RESISTANT ALUMINUM ROLLING DOOR TO MATCH WALL COLOR WHERE LOCATED.
54. GUTTER, REFER TO CIVIL DRAWINGS.	69. PRECAST CONCRETE WHEEL STOP. SEE A-1.00 SERIE FOR DETAILS.
55. MECHANICAL LOUVER, REFER TO MECHANICAL DWGS. & ARCHITECTURAL A-10.00 SHEETS FOR SIZES. TO BE PAINTED TO MATCH BACKGROUND WALL.	70. STAIR CORE AT ROOF LEVEL.
56. UNIT INTAKE / EXHAUST VENT. REFER TO MECHANICAL DWGS. TO BE PAINTED TO MATCH BACKGROUND WALL.	71. ELEVATOR CORE AT ROOF LEVEL.
57. EXTERIOR PLASTER CEILING, REFER TO SHEETS SERIE A-8.02 FOR TYPICAL CEILING DETAILS, AND SHEETS A-5.00 TO A-5.10 FOR TYPES AND LOCATION (TYP.)	72. 34" A.F.F. HANDRAIL ATTACHED TO CONCRETE SLAB, REFER TO SHEETS A-9.01 AND A-10.04 FOR DETAILS.
58. 2'-8" HIGH CONCRETE CRASH WALL (TYP.) SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.	73. 3/4" CONT. SLAB RECESS (TYP.)
59. WALL MOUNTED, EXTERIOR GRADE LIGHT FIXTURE, TO BE SELECTED BY OWNER, REFER TO ELECTRICAL DWGS.	74. CONTINUOUS DRIP EDGE (TYP.)
60. BUILDING ADDRESS IDENTIFICATION SIGNAGE. SIGNAGE TO BE UNDER SEPARATE PERMIT.	75. 36" X 48" MIN. ACCESS PANEL FOR MAINTENANCE ONLY. SUBMIT SHOP DWGS. FOR APPROVAL. SEE DETAIL ON SHEET A-11.00

PARKING BREAKDOWN

4TH PARKING LEVEL	
TYPE	QUANTITY
STANDARD	83
H.C. ACCESSIBLE	4
TOTAL	87

NOTES:

VEHICLE BARRIER SYSTEM NOT LESS THAN 2'-8" (835 MM) HIGH SHALL BE PLACED AT THE END OF DRIVE LANES AND AT THE END OF PARKING SPACES WHERE THE VERTICAL DISTANCE TO THE GROUND OR SURFACE DIRECTLY BELOW IS GREATER THAN 1 FT. FBC 406.4.3



WALL & SYMBOL LEGEND

	REINF. CMU WALL W/O FURRING
	REINF. CMU WALL W/O FURRING (2 HOUR RATED)
	REINF. CMU WALL W/O FURRING (3 HOUR RATED)
	REINF. SHEAR WALL (2 HOUR RATED)
	LOW PARAPET WALL @ 42" MIN.
	TYP. METAL STUD PARTITION WALL
	TYP. 1 HOUR TENANT SEPARATION/SMOKE BARRIER METAL STUD PARTITION WALL
	2 HOUR UL RATED SHAFT WALL
	DENOTES 1/2" MAX. F.F. THRESHOLD
	WINDOW TYPE. REFER TO WINDOW SCHEDULE
	DOOR NUMBER. REFER TO DOOR SCHEDULE
	STOREFRONT TYPE / LOUVER TYPE
	LOUVER TYPE. REFER TO SERIES A-10.00
	CENTER LINE
	WALL TYPE. SEE SHEET A-8.01
	PAVEMENT STRIPED ZONE- NO PARKING, NO DRIVING & NO STANDING AREA
	HATCH DENOTES ACCESSIBLE ROUTE STRIPING. REFER TO TRAFFIC PLANS.
	WALL/ PEDESTAL MOUNTED ACTUATOR TO BE CONNECTED / COORDINATED TO SECURITY SYSTEM

WATERPROOFING LEGEND

	SLAB ON GRADE: STEGO WRAP 15-MIL VAPOR BARRIER BELOW SLAB THROUGHOUT SLAB ON GRADE
	BELOW GRADE ELEVATOR PIT: VOLTEX D30R BENTONITE WATERPROOFING ENCAPSULATING ELEVATOR PIT.
	BELOW GRADE POST APPLIED WATERPROOFING SYSTEM: PROVIDE TREMCO TREMPROOF 250GC 60-MIL AT CONCRETE WALLS EXPOSED TO EARTHEN FILL.
	B.O.H. / MAINTENANCE ROOMS: WALLS: 2 COAT BM COROTECH - POLYIMIDE HS EPOXY COATING. (PAINT UP TO 48" FROM FLOOR) FLOORING: EUCLID CHEMICAL EUCOPOXY TUF COAT.
	CONCRETE BALCONIES, CANOPIES, AND EYEBROWS (NON-OCCUPIED) SPACES: APPLY TREMCO VULKEM 350/351 AT BALCONIES & EYEBROWS - SANDED TO REJECT. CMU WALLS TO BE PARGED WITH TAMOSEAL PRIOR TO INSTALLATION OF VULKEM 350NF/351.
	BALCONIES, TERRACE, & CANOPIES (OCCUPIED SPACE) TREMCO VULKEM EWS PUMA FLUID APPLIED WATERPROOFING
	POOL STRUCTURE: PER POOL CONTRACTOR.
	SINGLE PLY ROOFING SYSTEMS: 60-MIL MIN. SINGLE PLY MEMBRANE FULLY ADHERED SYSTEM OVER R19 MIN. LWC OVER A STRUCTURAL CONCRETE DECK.
	VEHICULAR TRAFFIC WATERPROOFING SYSTEM @PARKING GARAGE EXPOSED TO THE ELEMENTS - VULKEM 350/346/346 (VEHICULAR TRAFFIC DECK COATING). TERMINATE UP THE PERIMETER WALLS OR ONTO A ROULET WHERE APPLICABLE PER MANUFACTURERS SPECS. TERMINATE 1 PARKING SPACE WIDTH PAST THE FOOTPRINT OVER THE OCCUPIED AREA BELOW. THE AREA OF FLOOR USED FOR AUTOMOBILES OR OTHER VEHICLES SHALL BE SLOPED TO FACILITATE THE MOVEMENT OF LIQUIDS TO A DRAIN.
	EXTERIOR BUILDING COATING SYSTEM (RECOMMENDATION) BASF MASTERPROTECT HB 400 COATING (RECOMMEND TWO (2) COAT APPLICATION TO GET A 12 - 16 DFT).

EV VEHICLE CHARGING - LEGEND

	EVSE - VEHICLE PARKING WITH CHARGING STATION
	EV - PARKING SPACE WITH INFRASTRUCTURE READY FOR FUTURE CHARGING STATION



CORWIL ARCHITECTS
4210 LAGUNA ST. CORAL GABLES FL 33146
QUALIFIER LIC. NO. AR0016003 T.305.448.7383

PROJECT:

UNIVERSITY STATION

NORTH TOWER:

421 N 21 AVE., HOLLYWOOD, FL 33020

SOUTH TOWER:

309 N 21 AVE., HOLLYWOOD, FL 33020

GARAGE:

2031 POLK ST, HOLLYWOOD, FL 33020

OWNER:

UNIVERSITY STATION I, LLC

4TH LEVEL FLOOR PLAN (GARAGE)

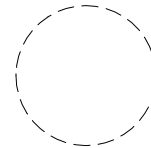
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No.	Revision Description	Date
5	Bldg. Dept. Comments	04/17/23
7	Coordination	05/03/23
8	Coordination	06/12/23
9	Coordination	07/14/23
10	Coordination	08/17/23
11	Coordination	03/08/24
12	Bldg. Dept. Comments	03/08/24

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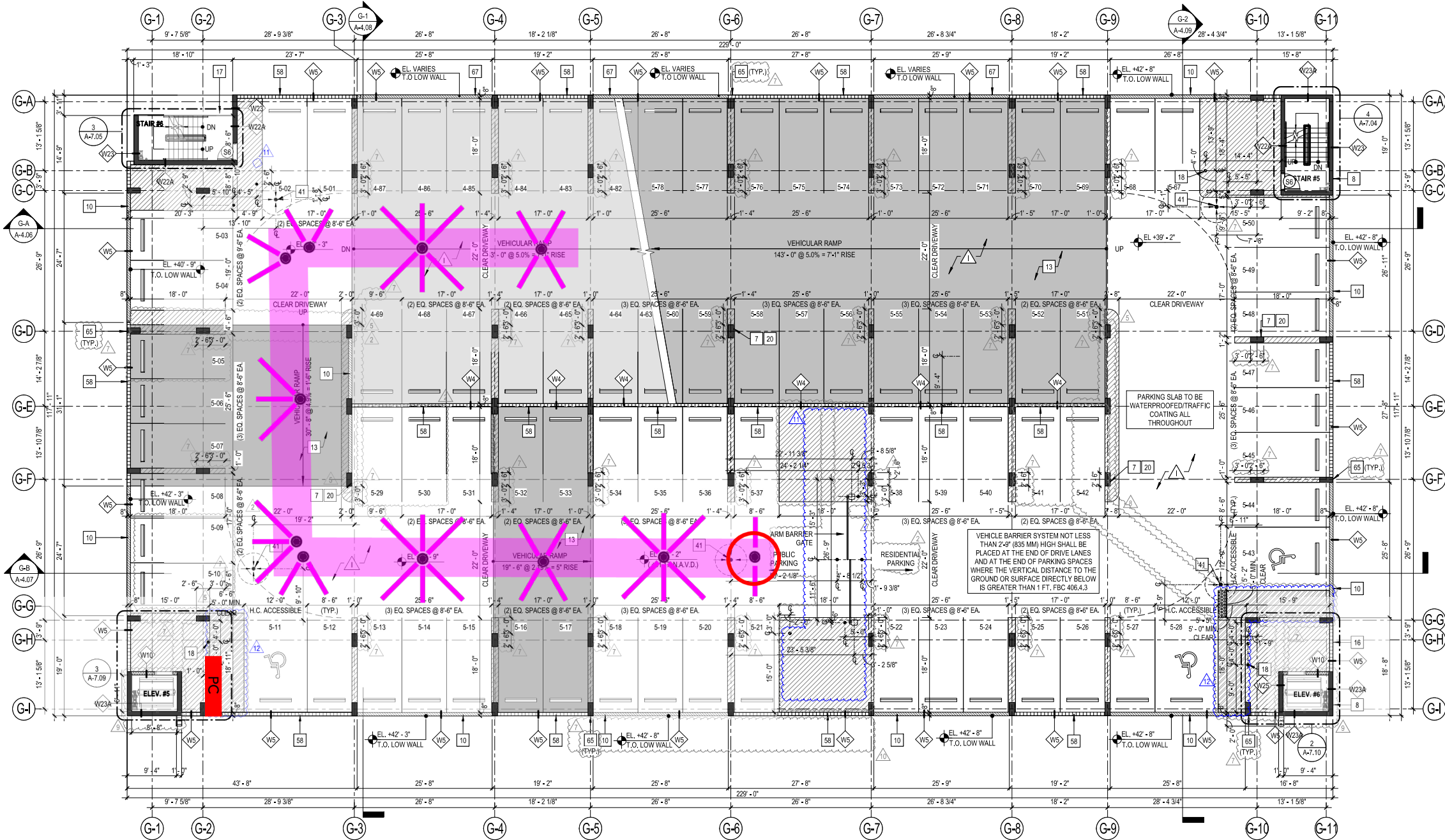
DATE: 3/7/2020
JOB No.: 2020-11
DRAWN BY: RZ, CM, DR
APPR BY: AMC
PRINTED: 03/14/2024

SHEET NUMBER:

KEY PLAN

N.T.S.

A-2.03C



5TH LEVEL FLOOR PLAN (GARAGE)

SCALE: 3/32" = 1'-0"

GENERAL KEYNOTE LEGEND

1. CONCRETE SIDEWALK	17. ALUMINUM GARAGE SCREEN, REFER TO SHEETS A-3.09 TO A-3.12A FOR ENLARGEMENTS. PROVIDE SHOP DRAWINGS FOR APPROVAL. REFER TO 4/A-3.09 & 3/A-3.10 FOR MORE INFORMATION.	29. POOL DECK ACCESS GATE MIN. 48" HIGH A.F.F., PROVIDE VONDUPRIN 98L-374L-POOL-WH-4-US320. SELF-CLOSING, SELF-LATCHING, GATE W. PANIC HARDWARE DEVICE.
2. CONCRETE FOUNDATION. REFER TO STRUCTURAL DWGS.	18. BOLLARDS (TYP.), REFER TO DETAILS ON SHEET A-1.01, REFER TO STRUCTURAL DWG. FOR ADDITIONAL INFORMATION.	30. HARDSCAPE, REFER TO LANDSCAPE DWGS.
3. CONCRETE CURB, REFER TO CIVIL DWGS.	19. WIRING PROVIDED FOR FUTURE ELECTRICAL VEHICLE PARKING (EV).	31. LANDSCAPING, REFER TO LANDSCAPE DWGS.
4. DETECTABLE WARNINGS	20. CONC. GUARDS AT CORNERS OF WALLS & COLUMNS (TYP.)	32. ARTIFICIAL GREEN WALL BY EASYGRASS OR APPROVED EQUAL, SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
5. PEDESTRIAN ACCESSIBLE PATH	21. CONCRETE ACCESS STEPS / STOOP, REFER TO SHEETS A-1.02 AND STRUCTURAL DRAWINGS.	33. REFER TO LANDSCAPE PLANS FOR POOL DECK FINISHES.
6. H.C. ACCESSIBLE VAN: ACCESS & EGRESS PATH MUST BE 8'-2" MIN. CLEAR HEADROOM	22. ALUMINUM CAT II SAFETY GLAZING IMPACT RESISTANT STOREFRONT SYSTEM, REFER TO A-10.00 SERIES SHEETS FOR ELEVATIONS AND DETAILS.	34. POOL COLLECTOR TANK.
7. STRUCTURAL COLUMN, REFER TO STRUCTURAL DWG. FOR DTLS. PROVIDE LIGHT TEXTURE CEMENT PLASTER FINISH (TYP. THROUGHOUT UNLESS OTHERWISE NOTED).	23. ALUMINUM CAT II SAFETY GLAZING IMPACT RESISTANT WINDOW SYSTEM, REFER TO A-10.00 SERIES SHEETS FOR ELEVATIONS AND DETAILS.	35. GARAGE GATE TO BE SELECTED BY OWNER. SUBMIT SHOP DRAWINGS FOR APPROVAL. SEE GATE NOTES.
8. STRUCTURAL WALL (SHEARWALL), REFER TO STRUCTURAL DWG. FOR DTLS.	24. SLIDING DOOR FRAME & IMPACT RESISTANT CAT II GLASS (TYP.), REFER TO A-10.00 SERIES SHEETS FOR ELEVATIONS AND DETAILS.	36. BRIDGE BY DELEGATED ENGINEER UNDER SEPARATE SUBMITTAL.
9. STRUCTURAL CONCRETE BEAM, REFER TO STRUCTURAL DWG. FOR DTLS.	25. IMPACT RESISTANT METAL DOOR, REFER TO DOOR SCHEDULE ON SHEET A-4.00.	37. BACK FLOW, REFER TO CIVIL PLANS FOR DETAILS.
10. TYP. LOW WALL 42" HIGH (PROVIDE CRASH WALL 2'-8" MIN. TYP. REFER TO STRUCTURAL DWGS FOR DETAILS)	26. INTERIOR CAT II SAFETY GLAZING STOREFRONT SYSTEM, REFER TO A-10.00 SERIES SHEETS FOR ELEVATIONS AND DETAILS.	38. BIKE RACK, REFER TO SHEET A1.01A FOR DETAILS.
11. SLAB ON GRADE W/ 15 MIL VAPOR BARRIER SYSTEM.	27. 42 1/2" HIGH MIN. A.F.F. (TAKEN FROM INTERIOR F.F.E.) BALCONY/GUARD 2"x10" MESH RAILING. SHALL REJECT 4" OBJECTS. SUBMIT SHOP-DRAWINGS FOR APPROVAL PRIOR TO FABRICATION, REFER TO DETAILS ON SHEET A-9.01.	39. ADA FLOOR MOUNTED BIKE RACK, REFER TO SHEET A-1.01A FOR DETAIL.
12. STRUCTURAL SLAB, REFER TO STRUCTURAL DRAWINGS.	28. 6'-0" HIGH MIN. A.F.F. (TAKEN FROM INTERIOR F.F.E.) ALUMINUM MESH PRIVACY PARTITION DIVIDER AT BALCONIES, SUBMIT SHOP-DRAWINGS FOR APPROVAL. REFER TO DETAILS ON SHEET A-9.01.	40. BIKE REPAIR STATION, REFER TO SHEET A-1.01A FOR DETAIL.
13. VEHICULAR RAMP, REFER TO STRUCTURAL DWGS.		41. FLOOR DRAIN (TYP.)
14. CONCRETE EYEBROW REFER TO STRUCTURAL DWG. FOR DETAILS.		42. LINEAR DRAIN (TYP.)
15. BALCONY/ TERRACE CONCRETE SLAB PROPERLY SLOPED TO EXTERIOR. PROVIDE WATERPROOFING AT ALL ELEVATED BALCONIES/ TERRACES AND CONCRETE SLABS OR AS OTHERWISE INDICATED BY DRAWINGS, EXTEND VERTICALLY A MIN. 2" AT ALL ADJACENT WALLS. REFER TO DETAIL ON A-9.01		43. TRENCH DRAIN (TYP.) REFER TO PLUMBING DRAWINGS.
16. CMU WALL WITH 5/8" MIN. EXT. STUCCO FINISH ON ALL EXPOSED SIDES. SAMPLE TO BE PROVIDED FOR APPROVAL PRIOR TO INSTALL.		44. MECHANICAL EQUIPMENT, REFER TO MEP DRAWINGS FOR DTLS. (KYNAR 500 FINISH OR EQUAL)
		45. FLAT ROOF SLOPE 1/4" 12' MIN. REFER TO ROOF PLAN AND SHEET SERIES A-9.00.

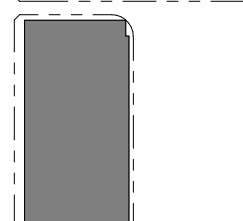
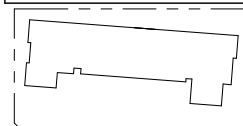
46. PRIMARY ROOF DRAIN (TYP.). SEE PLUMBING FOR INFORMATION AND DETAILS.	61. LIGHT TEXTURE CEMENT PLASTER FINISH (TYP. THROUGHOUT UNLESS OTHERWISE NOTED).
47. EMERGENCY OVERFLOW FLOOR DRAIN (TYP.)	62. CONT. 1" WIDE BY 1/4" DEEP STUCCO SCORE LINE, ALL LINES TO BE CONTINUOUS AND AT SAME HEIGHT THROUGHOUT ELEVATIONS. SEE DETAIL IN A-11.00 SERIES SHEETS. PROVIDE THROUGHOUT AT MAX. 144 SF. OF STUCCO AREA. (TYP.)
48. CONCRETE PLATFORM AT STAIR DOOR TO ROOF, DETAIL ON SHEET A-9.00	63. MECHANICAL CHASE
49. TRASH CHUTE, REFER TO A-7.03	64. WELL COMPACTED FILL, REFER TO STRUCTURAL DWGS. FOR REQUIRED COMPACTION.
50. ROOF PARAPET, REFER TO ARCHITECTURAL AND STRUCTURE DRAWINGS FOR DETAILS.	65. SMOOTH CEMENT TEXTURE PLASTER, TYPICAL THROUGHOUT UNLESS OTHERWISE SPECIFIED.
51. SINGLE PLY MEMBRANE ROOFING OVER LIGHTWEIGHT INSULATING CONCRETE SLOPED TO DRAINS. SEE SHEET SERIES A-9 FOR ROOF DETAILS.	66. EYEBROW DROPPED BEAM, REFER TO STRUCTURES AND DETAIL ON SHEETS A-9.01 SERIE
52. SECONDARY CONCRETE TOPPING SLOPED TO DRAIN 1/4" PER FT. MIN. WITH TREMCO	67. TOP OF 42" HIGH LOW WALL TO FOLLOW RAMP PROFILE (PROVIDE CRASH WALL 2'-8" MIN. TYP. REFER TO STRUCTURAL DWGS FOR DETAILS)
53. PROVIDE RIGID INSULATION (R-19 VALUE) AT OCCUPIED SPACES UNDER FLAT ROOF	68. IMPACT RESISTANT ALUMINUM ROLLING DOOR TO MATCH WALL COLOR WHERE LOCATED.
54. GUTTER, REFER TO CIVIL DRAWINGS.	69. PRECAST CONCRETE WHEEL STOP, SEE A-1.00 SERIE FOR DETAILS.
55. MECHANICAL LOUVER, REFER TO MECHANICAL DWGS. & ARCHITECTURAL A-10.00 SHEETS FOR SIZES. TO BE PAINTED TO MATCH BACKGROUND WALL.	70. STAIR CORE AT ROOF LEVEL.
56. UNIT INTAKE / EXHAUST VENT. REFER TO MECHANICAL DWGS. TO BE PAINTED TO MATCH BACKGROUND WALL.	71. ELEVATOR CORE AT ROOF LEVEL.
57. EXTERIOR PLASTER CEILING, REFER TO SHEETS SERIE A-8.02 FOR TYPICAL CEILING DETAILS, AND SHEETS A-5.00 TO A-5.10 FOR TYPES AND LOCATION (TYP.)	72. 34" A.F.F. HANDRAIL ATTACHED TO CONCRETE SLAB, REFER TO SHEETS A-9.01 AND A-10.04 FOR DETAILS.
58. 2'-8" HIGH CONCRETE CRASH WALL (TYP.) SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.	73. 3/4" CONT. SLAB RECESS (TYP.)
59. WALL MOUNTED, EXTERIOR GRADE LIGHT FIXTURE, TO BE SELECTED BY OWNER, REFER TO ELECTRICAL DWGS.	74. CONTINUOUS DRIP EDGE (TYP.)
60. BUILDING ADDRESS IDENTIFICATION SIGNAGE, SIGNAGE TO BE UNDER SEPARATE PERMIT.	75. 36" X 48" MIN. ACCESS PANEL FOR MAINTENANCE ONLY. SUBMIT SHOP DWGS. FOR APPROVAL. SEE DETAIL ON SHEET A-11.00

PARKING BREAKDOWN

5TH PARKING LEVEL	
TYPE	QUANTITY
STANDARD	81
H.C. ACCESSIBLE	3
TOTAL	84

NOTES:

VEHICLE BARRIER SYSTEM NOT LESS THAN 2'-8" (835 MM) HIGH SHALL BE PLACED AT THE END OF DRIVE LANES AND AT THE END OF PARKING SPACES WHERE THE VERTICAL DISTANCE TO THE GROUND OR SURFACE DIRECTLY BELOW IS GREATER THAN 1 FT. FBC 406.4.3



WALL & SYMBOL LEGEND

	REINF. CMU WALL W/O FURRING
	REINF. CMU WALL W/O FURRING (2 HOUR RATED)
	REINF. CMU WALL W/O FURRING (3 HOUR RATED)
	REINF. SHEAR WALL (2 HOUR RATED)
	LOW PARAPET WALL @ 42" MIN.
	TYP. METAL STUD PARTITION WALL
	TYP. 1 HOUR TENANT SEPARATION/SMOKE BARRIER METAL STUD PARTITION WALL
	2 HOUR UL RATED SHAFT WALL
	DENOTES 1/2" MAX. F.F. THRESHOLD
	WINDOW TYPE, REFER TO WINDOW SCHEDULE
	DOOR NUMBER, REFER TO DOOR SCHEDULE
	STOREFRONT TYPE / LOUVER TYPE
	LOUVER TYPE, REFER TO SERIES A-10.00
	CENTER LINE
	WALL TYPE, SEE SHEET A-8.01
	PAVEMENT STRIPED ZONE, NO PARKING, NO DRIVING & NO STANDING AREA
	HATCH DENOTES ACCESSIBLE ROUTE STRIPING, REFER TO TRAFFIC PLANS
	WALL/ PEDESTAL MOUNTED ACTUATOR TO BE CONNECTED / COORDINATED TO SECURITY SYSTEM

WATERPROOFING LEGEND

	SLAB ON GRADE, STEDCO WRAP 15-MIL VAPOR BARRIER BELOW SLAB THROUGHOUT SLAB ON GRADE
	BELOW GRADE ELEVATOR PIT, VOLTEK D50R BENTONITE WATERPROOFING ENCAPSULATING ELEVATOR PIT
	BELOW GRADE POST APPLIED WATERPROOFING SYSTEM, PROVIDE TREMCO TREMPROOF 250GC 60-MIL AT CONCRETE WALLS EXPOSED TO EARTHEN FILL
	B.O.H. / MAINTENANCE ROOMS: - WALLS: 2 COAT BM COROTECH - POLYIMIDE HS EPOXY COATING, (PAINT UP TO 48" FROM FLOOR) - FLOORING: EUCLID CHEMICAL EUCOPOLY TUF COAT.
	CONCRETE BALCONIES, CANOPIES, AND EYEBROWS (NON-OCCUPIED) SPACES - APPLY TREMCO VULKEM 350/351 AT BALCONIES & EYEBROWS - SANDED TO REJECTION - CMU WALLS TO BE PARGED WITH TAMOSEAL PRIOR TO INSTALLATION OF VULKEM 350NF/351.
	BALCONIES, TERRACE, & CANOPIES (OCCUPIED) SPACE TREMCO VULKEM EWS PUMA FLUID APPLIED WATERPROOFING
	POOL STRUCTURE PER POOL CONTRACTOR.
	SINGLE PLY ROOFING SYSTEMS - 60-MIL MIN. SINGLE PLY MEMBRANE FULLY ADHERED SYSTEM OVER R19 MIN. LWC OVER A STRUCTURAL CONCRETE DECK.
	VEHICULAR TRAFFIC WATERPROOFING SYSTEM, @ PARKING GARAGE EXPOSED TO THE ELEMENTS - VULKEM 350/346/346 (VEHICULAR TRAFFIC DECK COATING).
	EXTERIOR BUILDING COATING SYSTEM BASF MASTERPROTECT HB 400 COATING (RECOMMEND TWO (2) COAT APPLICATION TO GET A 12 - 16 DFT).

EV VEHICLE CHARGING - LEGEND

	EVSE - VEHICLE PARKING WITH CHARGING STATION
	EV - PARKING SPACE WITH INFRASTRUCTURE READY FOR FUTURE CHARGING STATION

KEY PLAN

N.T.S.



CORWIL ARCHITECTS
4210 LAGUNA ST. CORAL GABLES FL 33146
QUALIFIER LIC. NO. AR0016003 T:305.448.7383

PROJECT:

UNIVERSITY STATION

NORTH TOWER:

421 N 21 AVE., HOLLYWOOD, FL 33020

SOUTH TOWER:

309 N 21 AVE., HOLLYWOOD, FL 33020

GARAGE:

2031 POLK ST, HOLLYWOOD, FL 33020

OWNER:

UNIVERSITY STATION I, LLC

5TH LEVEL FLOOR PLAN (GARAGE)

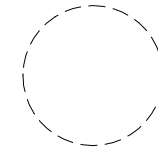
PHASE:

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REVISIONS		
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2	Coordination	12/05/22
5	Bldg. Dept. Comments	04/17/23
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12	Bldg. Dept. Comments	03/08/24

SEAL:



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A-2.04C

M5 Smart-Sensor

DESCRIPTION

The camera-based M5 Smart-Sensor has the ability to sense, identify, and count vehicles for individual parking spaces. Configured with one or two CMOS digital cameras, each smart-sensor can monitor up to six (6) parking spaces simultaneously.

Using a distributed processing ecosystem, Camera images are continuously processed by smart AI algorithms to detect parking space occupancy changes using proprietary image processing software. For surveillance purposes, the output of the cameras can be streamed over the network. The Smart-Sensor’s housing has a seal rating of IP66, preventing the ingress of water and dirt.

Built into the M5 Smart-Sensor is a full spectrum RGB (LED) indicator, configurable to any of thousands of colors to indicate the status of the spaces it monitors. In a typical configuration, the indicator is green when at least one monitored space is unoccupied, and red when all monitored spaces are occupied. Status colors can be set remotely via software to meet local standards and/or address special needs.

Each M5 Smart-Sensor operates locally, managing its own occupancy status and indicator color. Data and images flow from sensors to the central server via a proprietary PoE (Power over Ethernet) based TCP/IP Ethernet network. The smart-sensors also feature network-accessible interfaces for remote configuration and maintenance.

PART NUMBER	DESCRIPTION
M5-1000	Camera Sensor, 5th Generation, single camera, daisy chain
M5-2000	Camera Sensor, 5th Generation, dual camera, daisy chain



Model	M5-1000	M5-2000
Architecture		
Processor	ARM	
Imaging	Single Camera	Dual Camera
Network	RJ45 PoE Ethernet connection designed for daisy chained installation	
Indicator		
Technology	12 RGB LEDs; color mixing for thousands of possible colors	
Imaging		
Field of View	105° Horizontally (3 adjustable aiming positions)	
Min Illumination to Operate	25 lux	
Interfaces		
Network	TCP/IP	
Video	4.0 megapixel	
Environment		
Operating Temperature	-30° to 50+°C (-40° to 122+°F)	
Humidity Range	10% - 95%	
Environment Sealing	IP66	
Mechanical		
Mounting	Removable “snap-click” brackets	
Material	ABS and polycarbonate plastic	
Electrical		
Voltage	20-60v DC	
Power Draw	5.5W typical	
Product Safety	Conforms to ANSI/UL Std 62368-1, Certified to CSA Std C22.2 NO. 62368-1	
Dimensions		
Height	125 mm (4.9”)	
Width	170 mm (6.7”)	
Depth	170 mm (6.7”)	
Weight	1.0 kg (2.2 lbs)	

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Rev 1/2022.



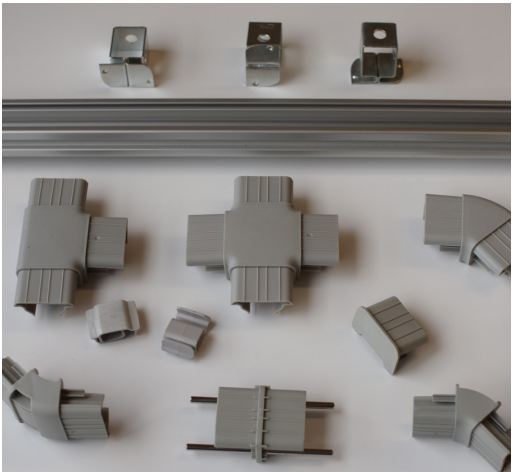
Channel System

DESCRIPTION

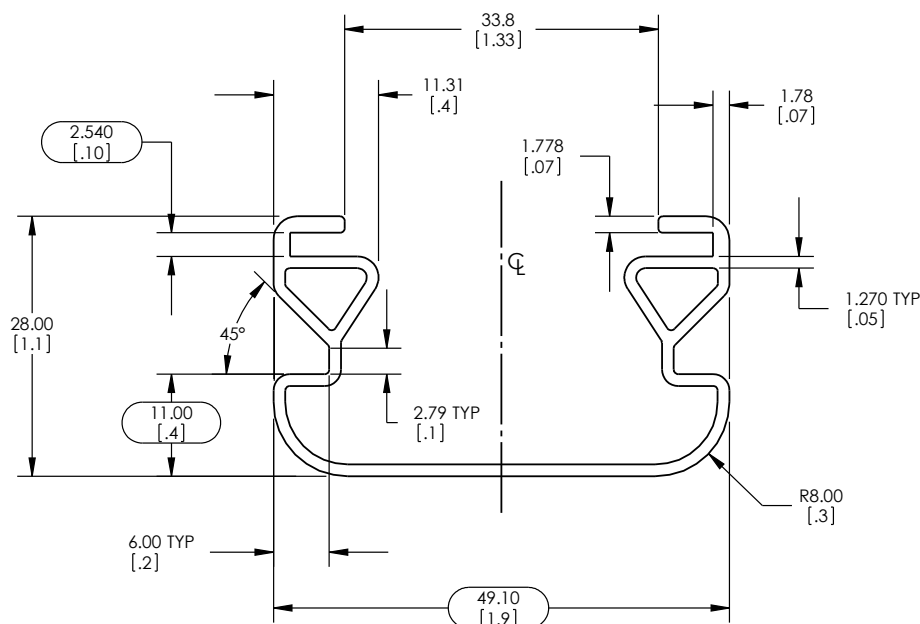
The specially-designed aluminum mounting channel simplifies the installation of the Park Assist smart-sensor system. From initial hanging to mounting smart-sensors, the channel reduces the time to get a system up and running.

Park Assist smart-sensors attach to the channel without tools. The open channel holds the wiring that connects each unit to the high-speed network. Channel sections can be assembled into long straight runs, or junction pieces can be used to alter the channel's path in height and direction. The channel hangs from the ceiling using standard anchors, threaded rods, and nuts attached to Park Assist hanger clips that fit inside the channel.

PART NUMBER	DESCRIPTION
CS-CHNL-3	Channel, aluminum, 10' / 3.05 m
CS-HANGER-0	Channel system, Hanger clip, short profile
CS-JS	Channel system, Straight junction
CS-JH90	Channel system, 90° junction
CS-JH45	Channel system, 45° junction
CS-JT	Channel system, T junction
CS-JX	Channel system, X junction
CS-JV45U	Channel system, 45° up junction
CS-JV45D	Channel system, 45° down junction
CS-CAP	Channel system, End-caps
CBL-CC100	Channel system, Cable clamp



Material	Aluminum 6063-0
Finish	Iridite per MIL-C-5541E, Class 3
Drainage	Two 5 mm (0.2") weep holes, centered on width, 1016 mm (40")from each end of a standard 3 m (10') length
Wall Thickness	1.25 mm (0.05") \pm 0.125 mm (0.005")
Length	3.05 m (10') \pm 3.175 mm (0.125")
Width	49.1 mm (1.9") \pm 0.125 mm (0.005")
Height	28 mm (1.1") \pm 0.125 mm (0.005")-
Weight	1.7 kg (3.7 lbs) per piece
Packaging	Bundle of 16
Shipping Weight	26.7 kg (58.9 lbs) per bundle



TKHSECURITY.COM | PARK ASSIST

PARK ASSIST

VMS-NAV

1x2 Aisle Sign

DESCRIPTION

With a Park Assist smart-sensor system, digital variable messaging signs are placed at key driver wayfinding decision points within parking structures.

Each Park Assist VMS-NAV aisle sign can display a wide range of guidance information, including the number of currently available spaces for its indicated area, icons, and textual messages enabling visitors to quickly make decisions about where to park.

Park Assist VMS-NAV 1x2 Aisle Sign is specifically designed to be installed stand-alone or can be incorporated into an enclosure with one or more inserts.

Light emitting diodes (LEDs) are the key optical element, forming the basis for all illuminated characters and symbols. Character display color is selectable to meet client preferences. Power and network access are provided by Park Assist Floor Cabinets, which make wayfinding signage an extension of the smart-sensor network.

PART NUMBER DESCRIPTION

VMS-NAV 1x2	Sign insert, full 16 x 64 LED matrix, 8mm pitch, high brightness for outdoor use, True RGB 16.7M colors, 128 x 512 mm active area
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Specs

Content Display:	
Capabilities	Static text or dynamic digits, icons, static or scrolling arrows
Font	8 x 14 (112 mm character height) or 9 x 16 (128 mm character height)
Active Area	128 mm x 512 mm (5" x 20.2")
Digit Color	24-bit RGB for 16.7M colors
Brightness	Continuously adjustable via software, up to 6400 nits
Maximum Viewing Range	78 m @ 24-40 km/h (256' @ 15-25 mph)
Maximum Viewing Angle	Legible viewing maintained at $\pm 60^\circ$ off-axis in any direction
LED Service Life	100,000 hours MTBF
Communications	
Communication	2x switched Ethernet ports for daisy chaining comms.
Protocols Supported	TCP, UDP, DHCP, SNMP, MQTT
Environment	
Operating Temperature	-20° to 50°C (-4° to 122°F)
Environmental Sealing	IP65
Mechanical	
Mounting Options	2x M8x1.25 threaded inserts on top 2x 3/8" threaded inserts on top 2x L-brackets bolted to back housing
Service Access	From front. Case is hinged on top, secured by 2x screws on bottom
Case Material	Black powder-coated aluminum
Case Impact Resistance	IK08
Electrical	
Voltage	18 - 30V DC 24V DC nominal
Power Draw	30W nominal 50W maximum
Protection	Reverse polarity protected
Power Connection	2x parallel internal connectors, up to 5.2 mm ² (10AWG)
Product Safety	UL Listed to UL Std. 48
Dimensions	
Height	128 mm (5")
Width	512 mm (20.2")
Depth (cabinet only)	90 mm (3.4")
Weight	3 kg (6.6 lbs)

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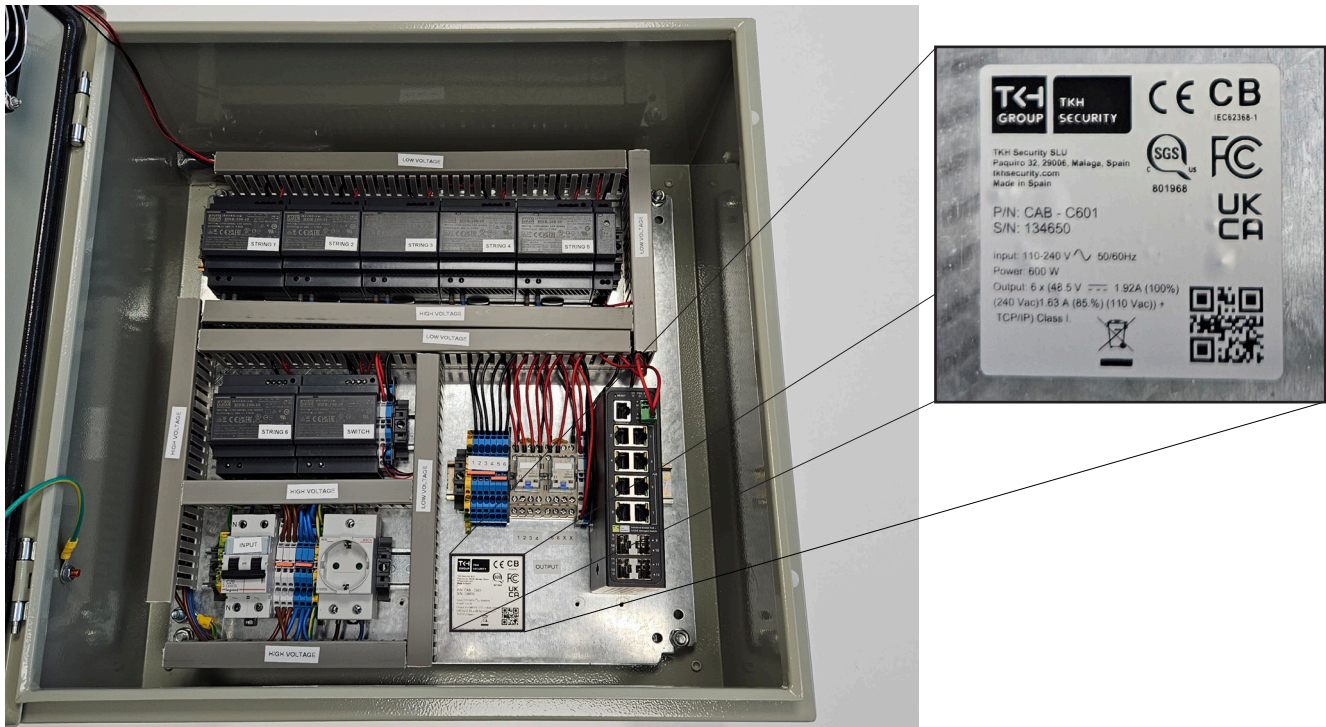
M5 Power Cabinet

DESCRIPTION

The TKH Security Power Cabinet underpins a revolutionary change in the architecture of Automated Parking Guidance Systems (APGS). The POE Cabinet is the foundation of the parking sensor solution system, providing power and network connectivity to the APGS sensor and signage network.

Each floor or region of an M5 installation includes at least one Power Cabinet. The equipment housed in the cabinet includes a Power over Ethernet (PoE) network switch to provide power and data for the camera based smart-sensor network and digital wayfinding aisle signs.

PART NUMBER	DESCRIPTION
CAB-C601	Cabinet for M5 ecosystem, 6 ports 1Gb Passive PoE++, 2 ports 1Gb Active PoE+ 802.3at (90W total budget), 4 ports 1Gb SFP, global 85-264VAC 6A @120VAC / 3A @230VAC



All pictures shown are for illustration purposes only. Actual product may vary due to product enhancement.

Communications

Ethernet	Contains 12-port Layer 2 managed Ethernet switch 4 ports: 1Gb Ethernet PoE+ (100W budget) 4 ports: 1Gb SFP port
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Environment

Operating Temperature	-25° to 50°C (-13° to 122°F)
Environmental sealing	IP66 / NEMA 4

Electrical

Power Input	85-264V AC 50/60 Hz 6A/3A
Power Output	(6) 48V DC 100W Class 2-compliant LPS outputs 8 ports 802.3at PoE+ (100W total budget)
Product Safety	UL 62368

Construction

Body	1.5 mm (16 ga) Powder-coated steel
Door	2 mm (14 ga) Powder-coated steel with PU seal
Color	Light gray (RAL 7035)

Dimensions

Height	500 mm (19.7")
Width	500 mm (19.7")
Depth	250 mm (9.8")
Weight	20.4 kg (45 lbs)

Core Server

DESCRIPTION

The Park Assist Core Server is the central manager of the entire camera based smart sensor system. It consists of an industry standard rackmount server running multiple virtual machines, each tasked with a different aspect of system operation. At the heart of the Core Server is our *Park Server* software, occupying one of the virtual machines. In total, the responsibilities of the Core Server include:

- Receiving and processing transactional data from smart-sensors
- Updating information displayed on signage: interior and exterior
- Processing images from smart-sensors with License Plate Recognition (LPR) software
- Network management (e.g. IP addressing, time synchronization)
- Supporting advanced optional software features
- Communication with other onsite systems being used (e.g. kiosks for Park Finder, PARCS or other systems)
- Time-limited local storage of all data
- Transmitting data (excluding images) to INX: a cloud-based portal to access the parking data gathered by the system
- Presenting a web-accessible interface for commissioning, configuration and ongoing administration of the camera based smart-sensors

PART NUMBER	DESCRIPTION
IT-DELL-PE-R640	IT head end, Core server, standard, 1RU



Specs

Hardware	
CPU	Dual Intel Xeon Silver 4114
DRAM	64 GB
Storage	3 x 300 GB HDD with RAID5
Network	4 x Gigabit Ethernet
Mounting	1U height rack mount
Software	
Operating Systems	Windows Server 2016 Ubuntu Linux
Database	SQL Server Standard
Virtualization	VMware®
Electrical	
Power Input	100-240 V AC, 50-60 Hz
Power Supply	Redundant 750W
Thermal Output	2891 BTU/hr (max)

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Core Router

DESCRIPTION

The Core Router allows the Park Assist network to securely connect to the internet for a variety of purposes including Park Assist’s data mining applications, API access, and remote support. It includes a firewall, providing robust security coming in and out of the network, access control for users via IPsec VPN, and NAT of local subnets for internet access.

PART NUMBER	DESCRIPTION
IT-CISCO-892-FSP	IT head end, Core Router, 2x 1Gb RJ45 WAN, 1x Gb SFP WAN, 8x 1Gb RJ45 LAN, managed switch, rack mount kit not included
IT-CISCO-ACS-890-RM-19	1U rack mount kit for IT-CISCO-892-FSP



Specs

Network	
WAN Ports	2x 1Gb Ethernet RJ45, 1x 1Gb SFP
LAN Ports	8x 1Gb Ethernet RJ45
Security	50x IPsec VPN tunnels, MAC filtering & port security, Stateful inspection transparent firewall, Dynamic and static port security
Electrical	
Input Voltage	100-240V AC, 50-60 Hz
Power Supply	12V DC 60W
Heat Output	205 BTU/hr (max)
Regulatory	
Emission	FCC Part 15, CISPR22, EN55022, others
Immunity	CISPR24, EN55024, others
Dimensions	
Mounting	1U height rack mount
Weight	2.5kg (5.5lbs)

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Core Switch

DESCRIPTION

At the center of the Park Assist network is the Core Switch. Data from all types of sensors is concentrated at the Core Switch, which features ample ports and room for expansion via network modules. All switch configuration is controlled by Park Assist to manage traffic, ports, and security protocols.

For installations with high bandwidth requirements, this switch can be used for distribution within parking structures to allow dedicated 1G links to each floor cabinet. Uplink from the distribution switch to the core switch at the head end would be via 10G network module.

PART NUMBER	DESCRIPTION
IT-CISCO-C9300-24T-E	IT head end, Core Switch, 24x 1G RJ45 ports, support for 4x 1G SFP or 8x 10G SFP network module
IT-CISCO-C9300-NM-4G	Network module, 4x 1G SFP (optional)
IT-CISCO-C9300-NM-8X	Network module, 8x 10G SFP (optional)



Specs

Network	
Switch type	Managed layer 3
Ports	24x 1G RJ45 4x 1G SFP network module 8x 10G SFP network module
Electrical	
Input Voltage	100-240V AC, 50-60 Hz 350W Power Supply
Input Current	2-4A
Thermal Output	1207BTU/hr
Regulatory	
Product Safety	UL 60950-1, CSA-C22.2 No. 60950-1, EN 60950-1, IEC 60950-1, CCC, CE Marking
EMI	FCC Part 15 Class A, ICES-003 Class A, EN 55022 Class A, CISPR 22 Class A, AS/NZS 3548 Class A, others
Dimensions	
Mounting	1U height rack mount

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Uninterruptible Power Supply

DESCRIPTION

The Uninterruptible Power Supply protects the Park Assist Core Server from electric power fluctuations, including surges, spikes, lightning, and other disturbances. If power is interrupted the UPS supplies power to the Core Server from its internal battery, providing the server time to shut down gracefully. Internal systems manage the battery, maximizing battery life by regulating recharging operations.

PART NUMBER	DESCRIPTION
IT-UPS-2200-110	IT head end, UPS, 2200VA, 2RU, 110V AC
IT-UPS-2200-230	IT head end, UPS, 2200VA, 2RU, 230V AC



Specs

Electrical	
Nominal Input Voltage	120V AC (-110) 230V AC (-230)
Input Frequency Range	57-63 Hz (-110) 47-53 Hz (-230)
Input Voltage Range	90-140V (-110) 160-280V (-230)
Output type	Sine wave
Output capacity	1800W / 2200VA
Output connections	4x NEMA 5-15R (-110) 4x IEC 320 C13 (-230)
Surge suppression	500 joules
Regulatory	
Approvals (-110)	UL 1778, FCC Part 15 Class A RoHS
Approvals (-230)	CE, EN/IEC 62040-1, EN/IEC 62040-2
Physical	
Mounting	2U height rack mount
Weight	43 kg (95 lbs)
Online Thermal Dissipation	306 BTU/hr
Management Port	RJ45 Ethernet, SNMP

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Equipment Rack

DESCRIPTION

The Equipment Rack provides a mounting frame for Park Assist head-end hardware. Designed for standard 19" rack-mount equipment, racks are available with vertical capacity of 12U, 25U, or 42U depending on project-specific requirements. Rack rails are adjustable to accommodate different sizes of equipment. Ventilation on multiple sides facilitates cooling by convection. Removable side panels are lockable, and the front door is lockable and reversible.

PART NUMBER DESCRIPTION

IT-RACK12	IT head end, Enclosed equipment rack, 12RU
IT-RACK25	IT head end, Enclosed equipment rack, 25RU
IT-RACK42	IT head end, Enclosed equipment rack, 42RU



Specs

Dimensions			
Rack height	12U	25U	42U
Unit height	637.5 mm (25.1")	1245 mm (49")	2000 mm (78.5")
Unit width	600 mm (23.6")	600 mm (23.6")	600 mm (23.6")
Unit depth	851 mm (33.5")	1092 mm (43")	1092 mm (43")
Maximum rack depth	826 mm (32.5")	940 mm (37")	940 mm (37")
Unit weight	47.6 kg (105 lbs)	88.5 kg (195 lbs)	128 kg (281 lbs)
Weight capacity (stationary)	453.6 kg (1000 lbs)	1360 kg (3000 lbs)	1360 kg (3000 lbs)
Weight capacity (rolling)	453.6 kg (1000 lbs)	1020 kg (2250 lbs)	1020 kg (2250 lbs)
Color	Black	Black	Black

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