

#### 2022 CALIFORNIA CODE WILL APPLY TO THIS PROJECT

#### SIGN TYPE A - PRIMARY MONUMENT

- Fabricate and install (x1) internally illuminated primary monument sign, concrete footing. Connecting to power source (BY OTHERS) with dedicated 20amp circuit, photocell, and timer.

#### SIGN TYPE B - CANOPY ADDRESS ID

- Fabricate and install (x1) internally illuminated canopy address id, wall mounting. Connecting to power source ( BY OTHERS) with dedicated 20amp circuit, photocell, and timer.

#### SIGN TYPE C - PROPERTY ID

- Fabricate and install (x1) internally illuminated property id, wall mounting.

Connecting to power source ( BY OTHERS) with dedicated 20amp circuit, photocell, and timer.

#### SIGN TYPE D - OVERHEAD PARKING ID

- Fabricate and install (x1) fco lettering, and painted existing wall overhead parking id. Applied upward light, wall mounting.

Connecting to power source (BY OTHERS) with dedicated 20amp circuit, photocell, and timer.

#### SIGN TYPE E - BLADE PARKING ID

- Fabricate and install (x1) internally illuminated parking monument it, concrete footing. Connecting to power source (BY OTHERS) with dedicated 20amp circuit, photocell, and timer.

**525** 

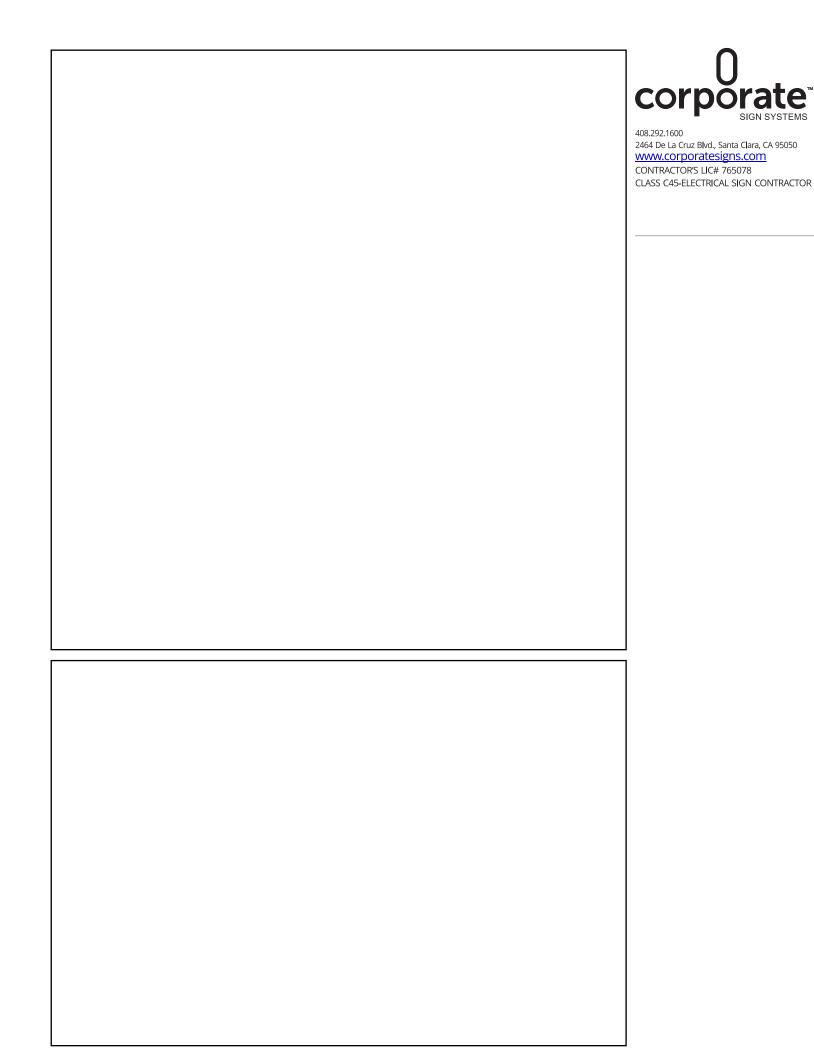
# UNIVERSITY

#### PROJECT:

525 UNIVERSITY AVE, SUITE 200 PALO ALTO, CA 94301

EXTERIOR PACKAGE 02/13/2024

Design + Build.



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CLASS C45-ELECTRICAL SIGN CONTRACTOR

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DRAWING / REVISION DATE

06/29/23 - YY 02/09/24 - YY 07/05/23 - YY 02/13/24 - YY 07/11/23 - YY 07/17/23 - YY

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Orchard Commercial\525 University Ave\\_LUX\Drawings\ 1512 525 University Exterior.cdr

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1512

SIGN TYPE

SHEET TITLE
TABLE OF CONTENTS

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## **ALLOWABLE SIGNAGE - CALCULATIONS**

#### **TOTAL SIGN AREA CALCULATIONS**

Total Sign Area Calculations in SF

# **525 UNIVERSITY AVENUE**

LOT FRONTAGE	MAXIMUM SIGN AREA
FT	SF
393 FT	

SIGN TYPE	PROPOSED SF	x QTY PROPOSED	x QTY ALLOWED	SIGN AREA ALLOWED	= TOTAL SIGN AREA USED
C. PROPERTY ID (WALL SIGN)	58.5 SF	1	ANY	150 SF (TOTAL AGGREGATE OF ALL WALL SIGNS)	58.5 SF
D. OVERHEAD PARKING ID (WALL SIGN)	22.95 SF	1	ANY	150 SF (TOTAL AGGREGATE OF ALL WALL SIGNS)	22.95 SF
				CUPT	27.1

SUBTOTAL = 81.45 SF

SIGN TYPE	PROPOSED SF	x QTY PROPOSED	x QTY ALLOWED	SIGN AREA ALLOWED	= TOTAL SIGN AREA USED
A. PRIMARY MONUMENT ID (DIRECTORY)	20 SF	1	2	REPLACING EXISTING LIKE-FOR-LIKE	20 SF
E. PARKING MONUMENT ID	7.36 SF	1	N/A	N/A	7.36 SF

SUBTOTAL = 27.36 SF

TOTAL = 108.81 SF



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CALCULATIONS

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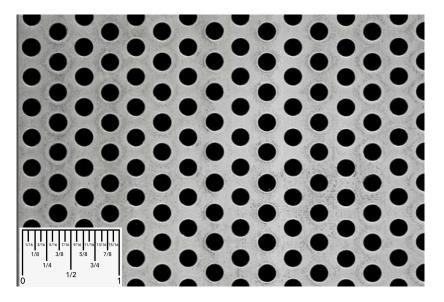
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BRAND ARTWORK

525

# **UNIVERSITY**

PATTERN



3/16" ROUND ON 5/16" STAGGER CENTERS 1/8" BAR, 11.95 HPSI, 33% OPEN AREA ALUMINUM ALLOY 3003-H14

#### **FONTS**

Roboto Condensed ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

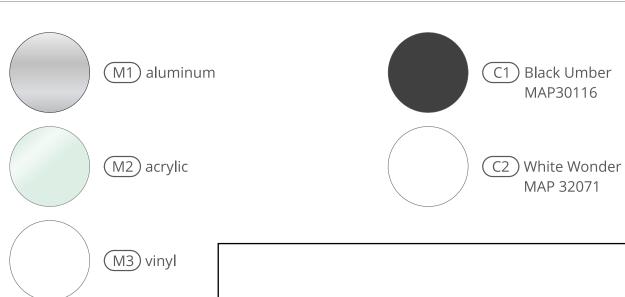
1234567890

Roboto Condensed Bold ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

1234567890

#### MATERIAL AND COLOR SCHEDULE





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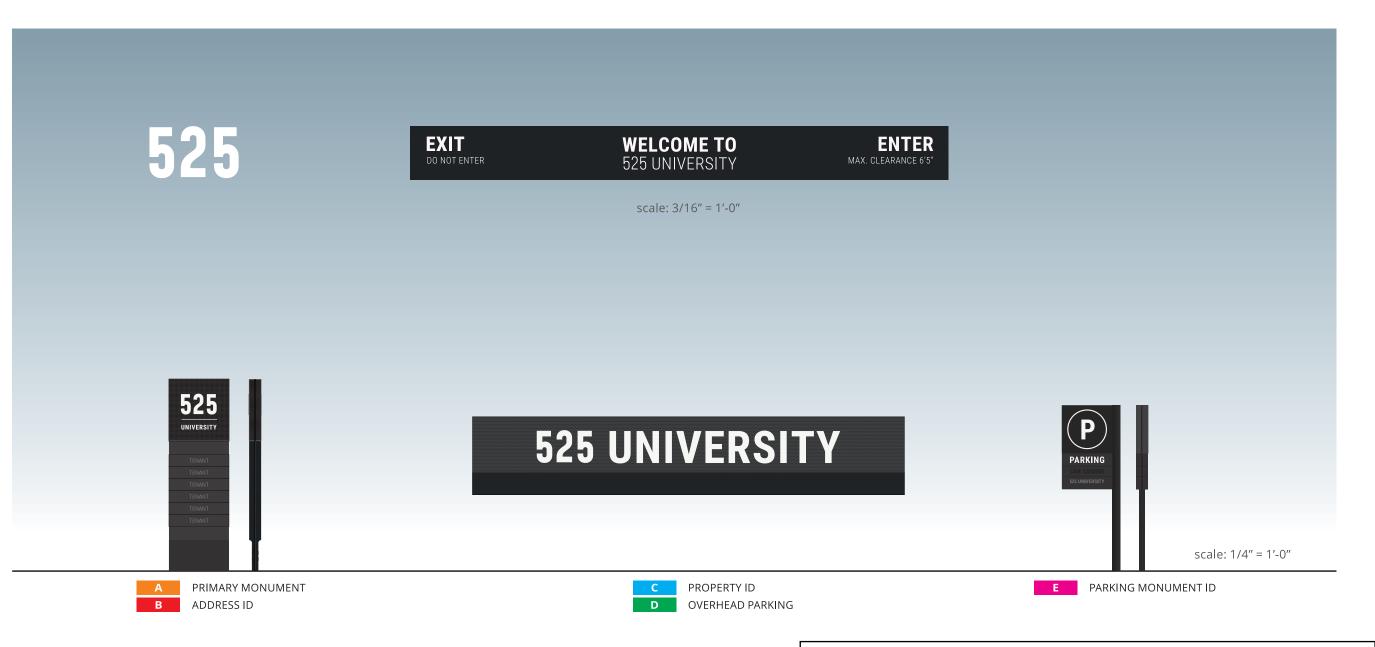
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SIGN TYPE

SHEET TITLE
SIGN ELEMENTS

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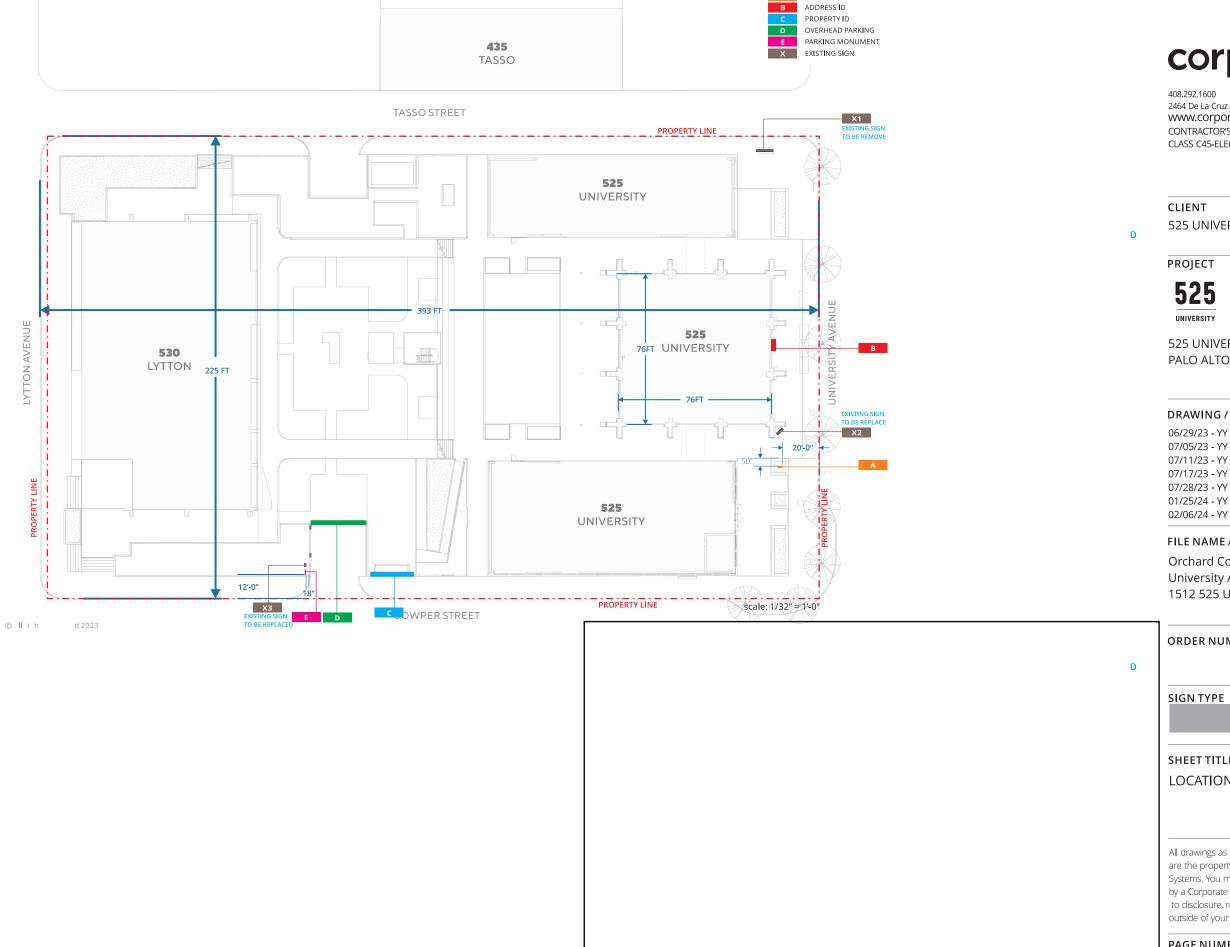
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SIGN TYPE

SHEET TITLE
SIGN HIERARCHY

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A PRIMARY MONUMENT

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SIGN TYPE

SHEET TITLE LOCATION PLAN

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DESCRIPTION

**QTY:** 1

**A.** 96"h x 30"w x 6"d -3 1/4"d fabricated aluminum cabinet, painted C1 black umber

**B.** 31"h x 30"w x 6"d fabricated perforated panel on the top portion of sign cabinet

**C.** 10"h x 1/2" thick push thru acrylic address number id, painted C2 white wonder

**D.** 2 3/8"h x 1/4" thick push thru acrylic lettering and 1/8" rule line, painted C2 white wonder

E. 7"h x 30"w removable tenant panel, painted C1 black umber; with 2 1/2"h x 1/4"d flush face acrylic push thru tenant name, painted C2 white wonder

**G.** LEDs

H. concrete footing (see engineering page for detail)

I. 3" x 3" aluminum tube post with 1/2"dia galvanized steel thru bolt

J. 110v-277v ul listed power supply

**K.** christy box by OTHERS

L. primary line 110-277v on dedicated circuit 20AMP by others

M. 1/4" thick aluminum plate and expansion bolt mounted with waterproofing by bothers

N. disconnect switch box

O. photocell

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#### FILE NAME / LOCATION

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SIGN TYPE

SHEET TITLE

A

**PRIMARY MONUMENT** 

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This sign is intended to be installed n accordance with the requirements of Article 600 of the National Electrical Code and/or other applicable local codes. This includes proper grounding and bonding of the sign.

20 SF

GRADE

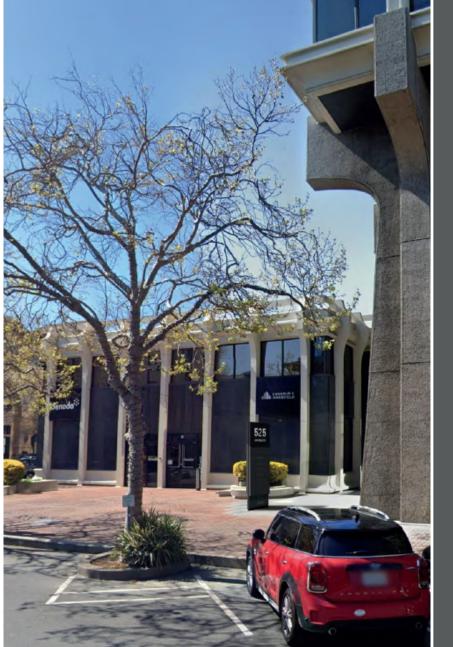
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FRONT VIEW

scale: 3/4" = 1'-0"



**EXISTING SIGN TO BE LIKE FOR LIKE** 







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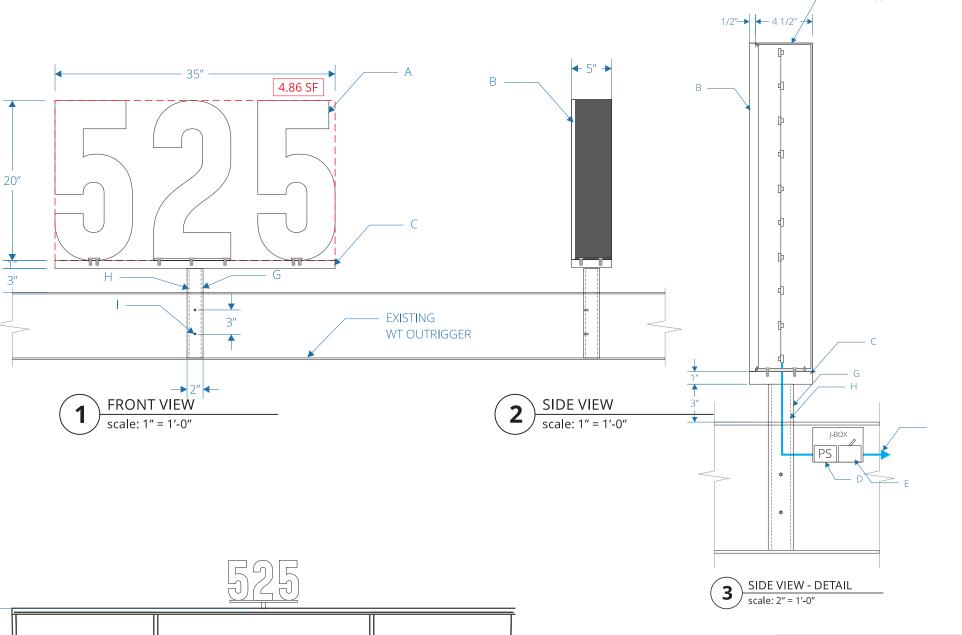
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SIGN TYPE

A

SHEET TITLE
PRIMARY MONUMENT
(PHOTO ELEVATION)

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#### DESCRIPTION

**A.** 20"h x 5"d fabricated aluminum lettering, internally illuminated, 4"d aluminum returns painted C1 umber black, and acrylic face and back painted C2 white wonder

<sub>QTY:</sub> 1

**B.** 1/2"d face acrylic, painted C2 white wonder

**C.** 1/4" thick aluminum plate, painted C2 white wonder, and attached to canopy with 3/8"dia - 16 x 4"L x 18-8 stainless steel hex drive flat head screw with steel spacer

**D.** 110v-277v ul listed power supply

**E.** j-box and disconnect switch box by others

**F.** primary line 110-277v on dedicated circuit 20AMP by others

**G.** 2" x 2" x 1/4" steel square aluminum tube, fully welded to top of WT outrigger by GC (see engineering for detail)

**H.** 1 1/2" x 1 1/2" x 1/8" steel square aluminum tube sleeves into 2" x 2" x 1/4" aluminum tube (see engineering for detail)

**I.** stainless steel counter-sunk drill and tap bolt

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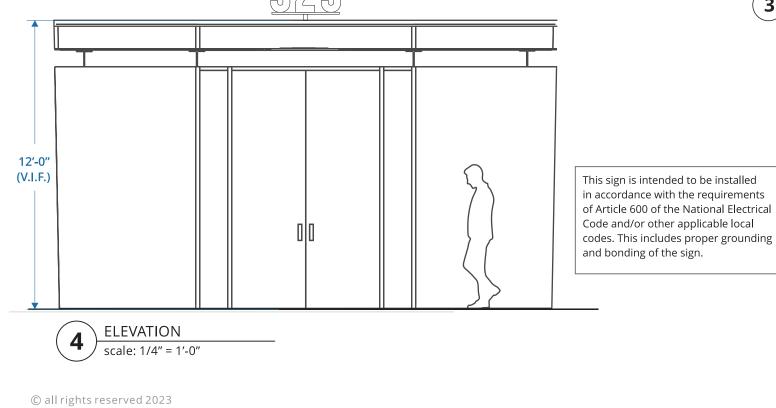
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SHEET TITLE ADDRESS ID

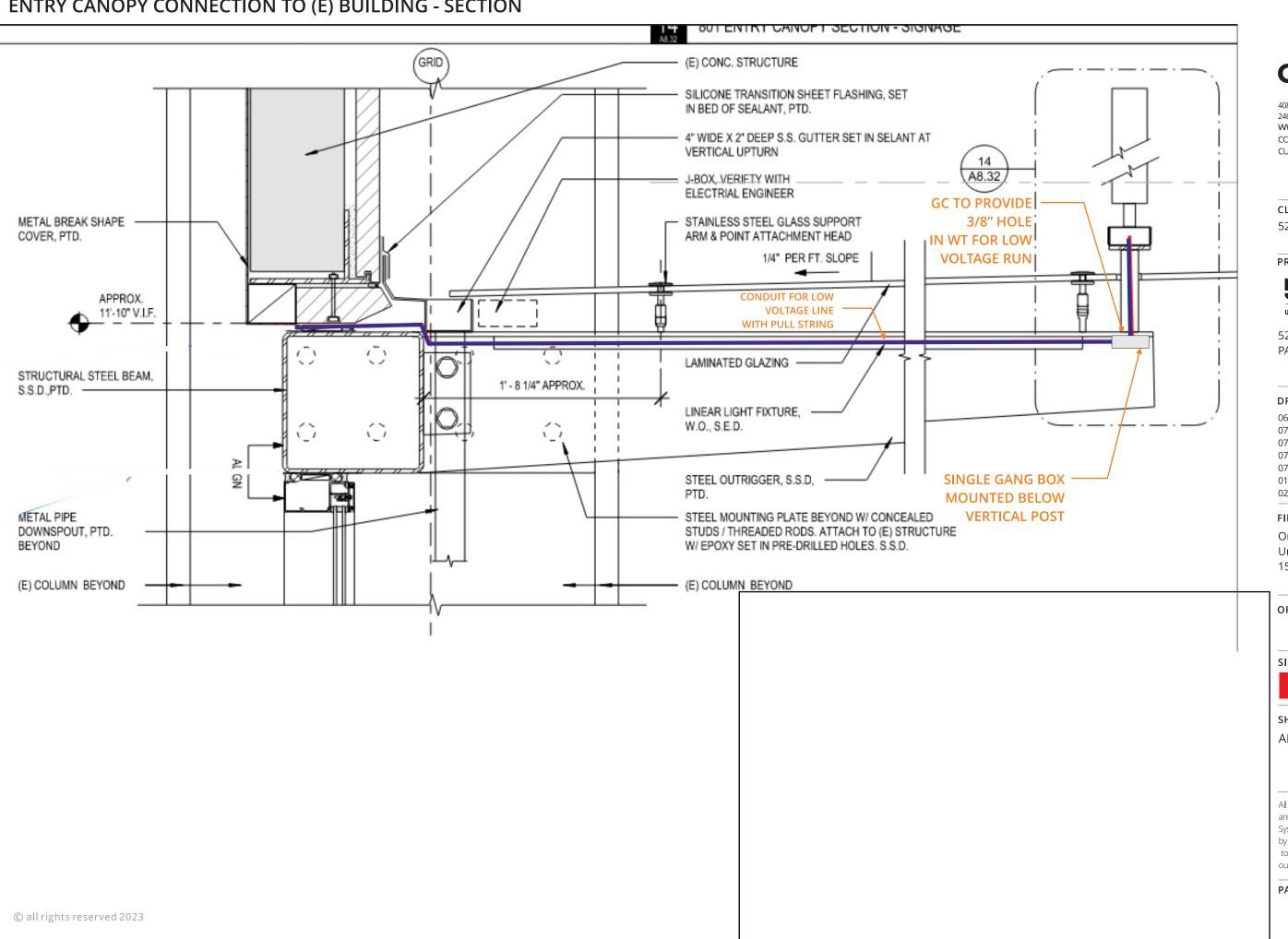
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GENOMBER



# **ENTRY CANOPY CONNECTION TO (E) BUILDING - SECTION**



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SIGN TYPE

B

SHEET TITLE **ADDRESS ID** 

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07/11/23 **-** YY

07/17/23 - YY

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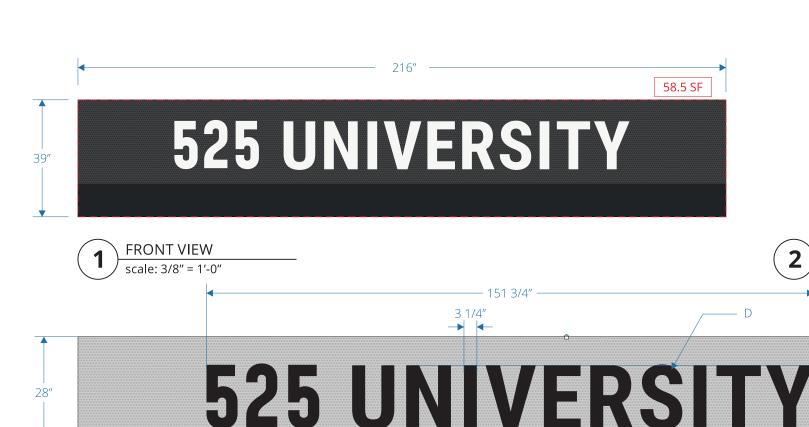
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B

SHEET TITLE ADDRESS ID

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PAGE NUMBER



FRONT VIEW - DETAIL
scale: 1/2" = 1'-0"

#### DESCRIPTION

11"

QTY: 1

**A.** 39"h x 216"w x 3"d - 1 1/2"d fabricated aluminum cabinet with face perforated on the top portion, painted C1 umber black

**B.** 1/8" thick perforated aluminum face

**C.** bottom curved portion of fabricated aluminum sign cabinet at 1 1/2"d, painted C1 umber black

 $\mathbf{D}$ . 16"h x 1 1/2"d fabricated aluminum lettering with 1/2" thick acrylic face lit mount to sign face cabinet

F. 1/2" thick acrylic face, painted C2 white wonder

**G.** LEDs

 $\ensuremath{\mathbf{H.}}$  attached to existing wall with tapcon conrete anchor

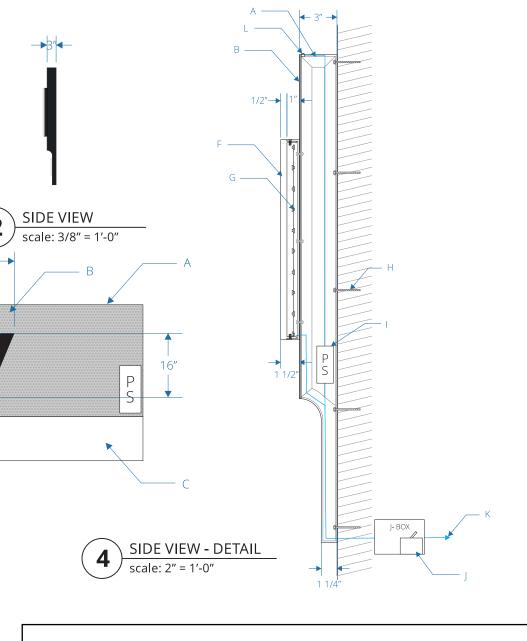
I. 110v-277v ul listed power supply

J. christy box and disconnect switch box by others

**K.** primary line 110-277v on dedicated circuit 20AMP by others

L. photocell

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SIGN TYPE

C

SHEET TITLE

PROPERTY ID

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RENDERING

scale: NTS

02/06/24 - YY

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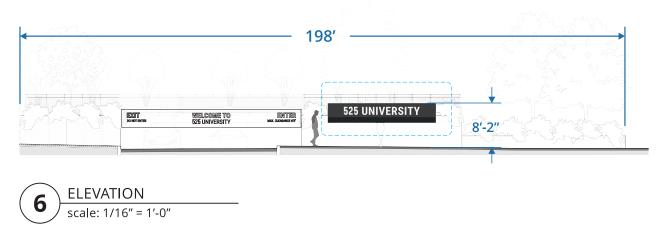
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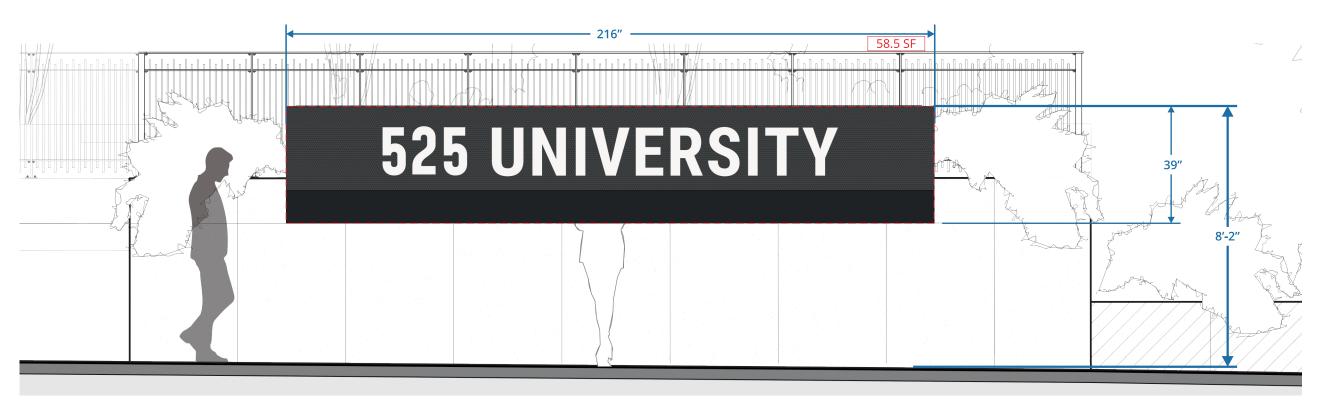
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SHEET TITLE

PROPERTY ID

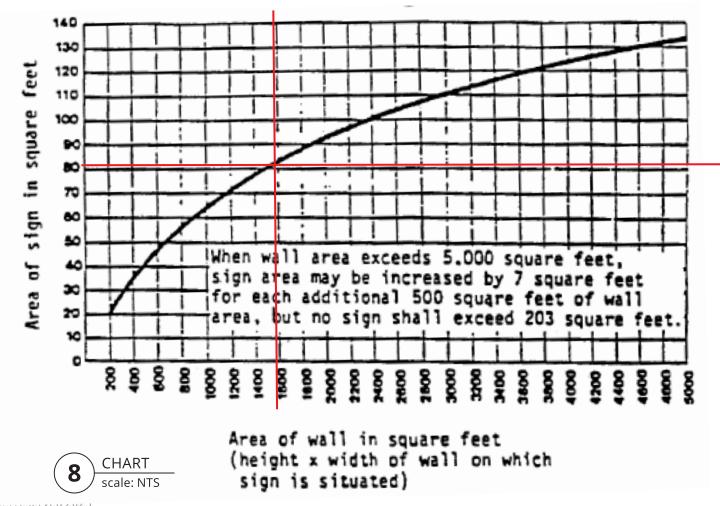
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ELEVATION - ENLARGED scale: 3/8" = 1'-0"

#### WALL SIGNS: COMBINED SIGN TYPE C AND SIGN TYPE D



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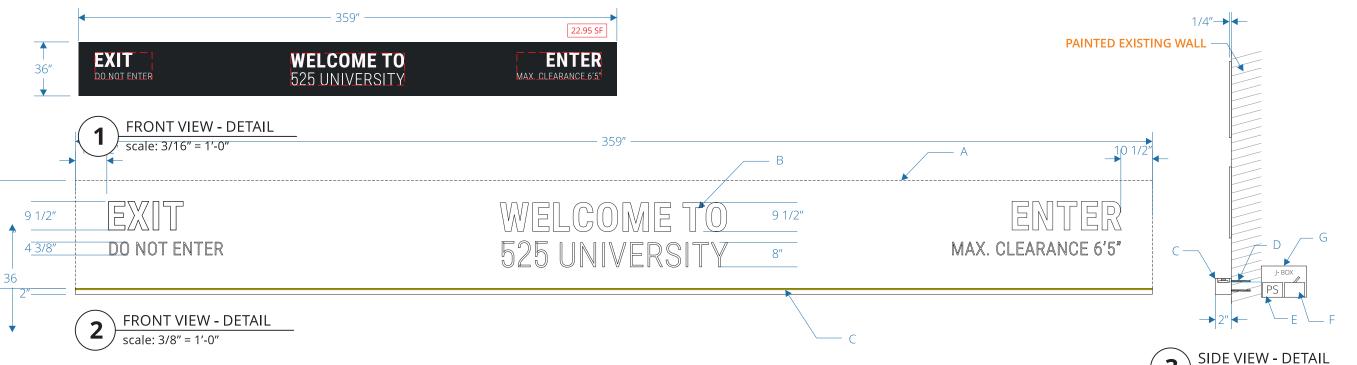
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EXISTING SIGN
TO BE LIKE FOR LIKE

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scale: 1" = 1'-0"

DESCRIPTION

**A.** existing concrete wall, painted C1 umber black

**B.** 1/4" thick fco acrylic lettering, painted C2 white

**F.** J-box and disconnect switch box by others

base of sign, painted C1 umber black

**D.** attached to wall with stud mounting

E. 110v-277v ul listed power supply

C. fabricated aluminum race box with upward light mounted to

**G.** primary line 110-277v on dedicated circuit 20AMP by

QTY: 1

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SIGN TYPE

D

SHEET TITLE
OVERHEAD PARKING ID

OVERHEAD PARKING ID

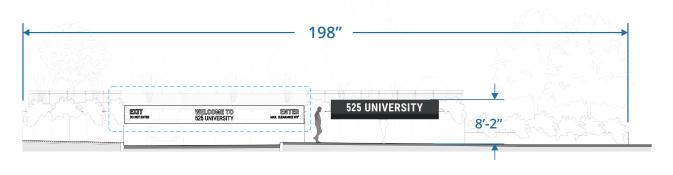
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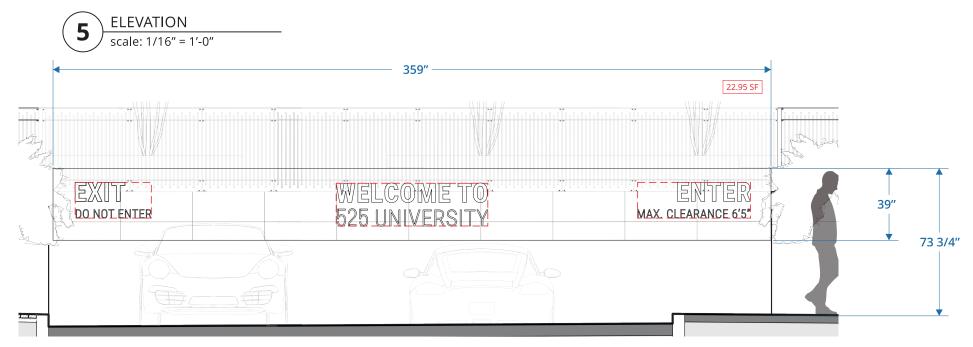
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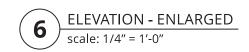
**15** 

**EXISTING SIGN** 

scale: NTS









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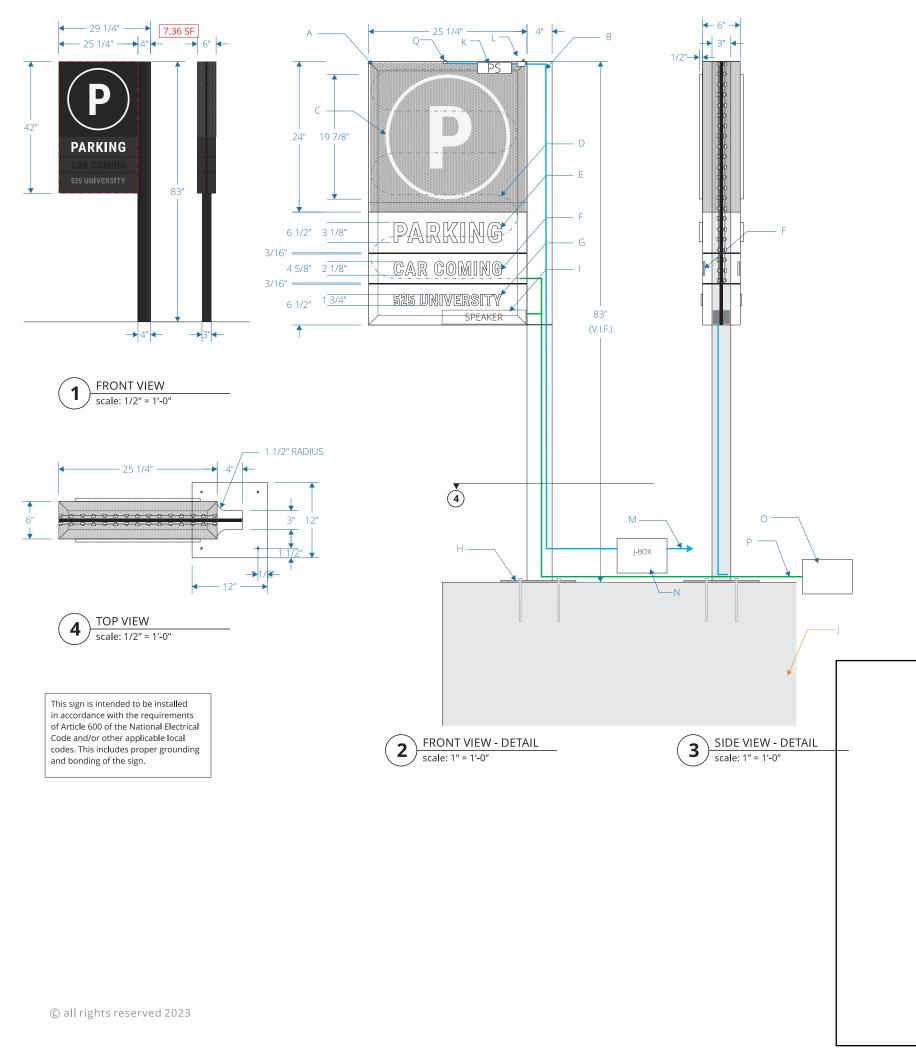
D

SHEET TITLE

OVERHEAD PARKING ID

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DESCRIPTION

**A.** 42"h x 25 1/4"w x 6"d fabricated aluminum cabinet with partially 24"h x 25 1/4"w perforated panel at the top

**QTY:** 1

with partially 24"h x 25 1/4"w perforated panel at the top part and internally illuminated, painted C1dark gray

**B.** 4"w x 3"thick aluminum post, painted C2 dark gray

**C.** 1/2" thick acrylic graphic and lettering push thru, painted C2 white

**D.** LEDs

**E.** 3 1/8"h x 1/2" thick push thru acrylic "Parking " lettering, painted C2 white

**F.** cutout lettering with vehicle detection sensor program to lit, applied red LEDs and day night acrylic.

**G.** 1 3/4"h x 1/4" thick FCO address lettering stainless

**H.** 1/4" thick aluminum plate attached with steel thru bolt to existing base

I. installed speaker inside the sign cabinet (see spec sheet for programming and installation detail)

#### J. EXISTING base by Others

**K.** 110v-277v ul listed power supply

L. Disconnect switch box

**M.** primary line 110-277v on dedicated circuit 20AMP by others

**N.** J-box by others

**O.** "Car Coming" controller box supplier by sign contractor installed and programmed by OTHERS

**P.** 12v line brought to the sign by OTHERS. Connection made by sign contractor.

**Q.** Photocell

Notes: Programming and wiring of the "car coming" sensor and controller by OTHERS

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CLASS C45-ELECTRICAL SIGN CONTRACTOR

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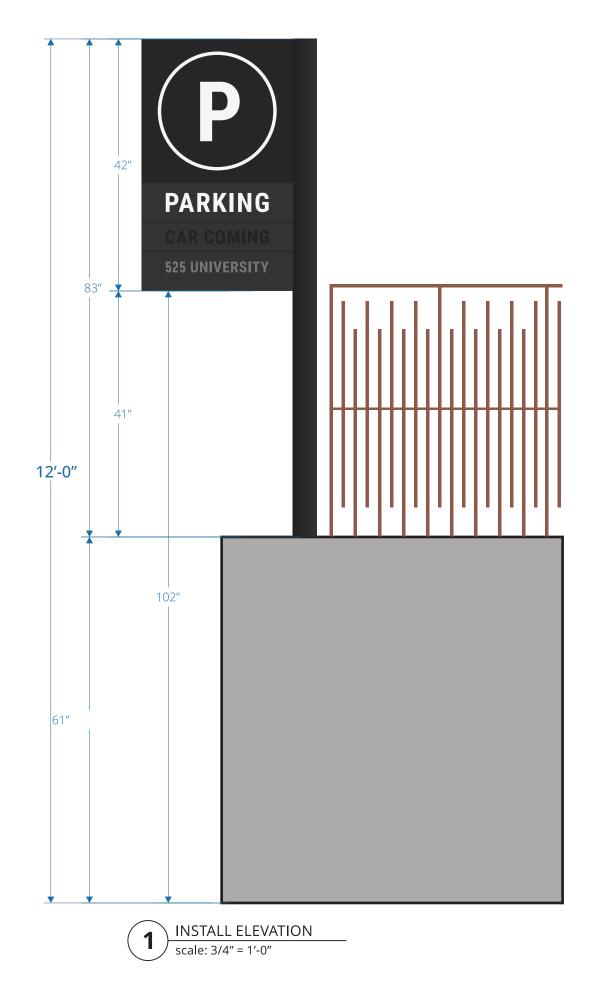
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**PROPOSED SIGN** 

**EXISTING SIGN TO BE LIKE FOR LIKE** 

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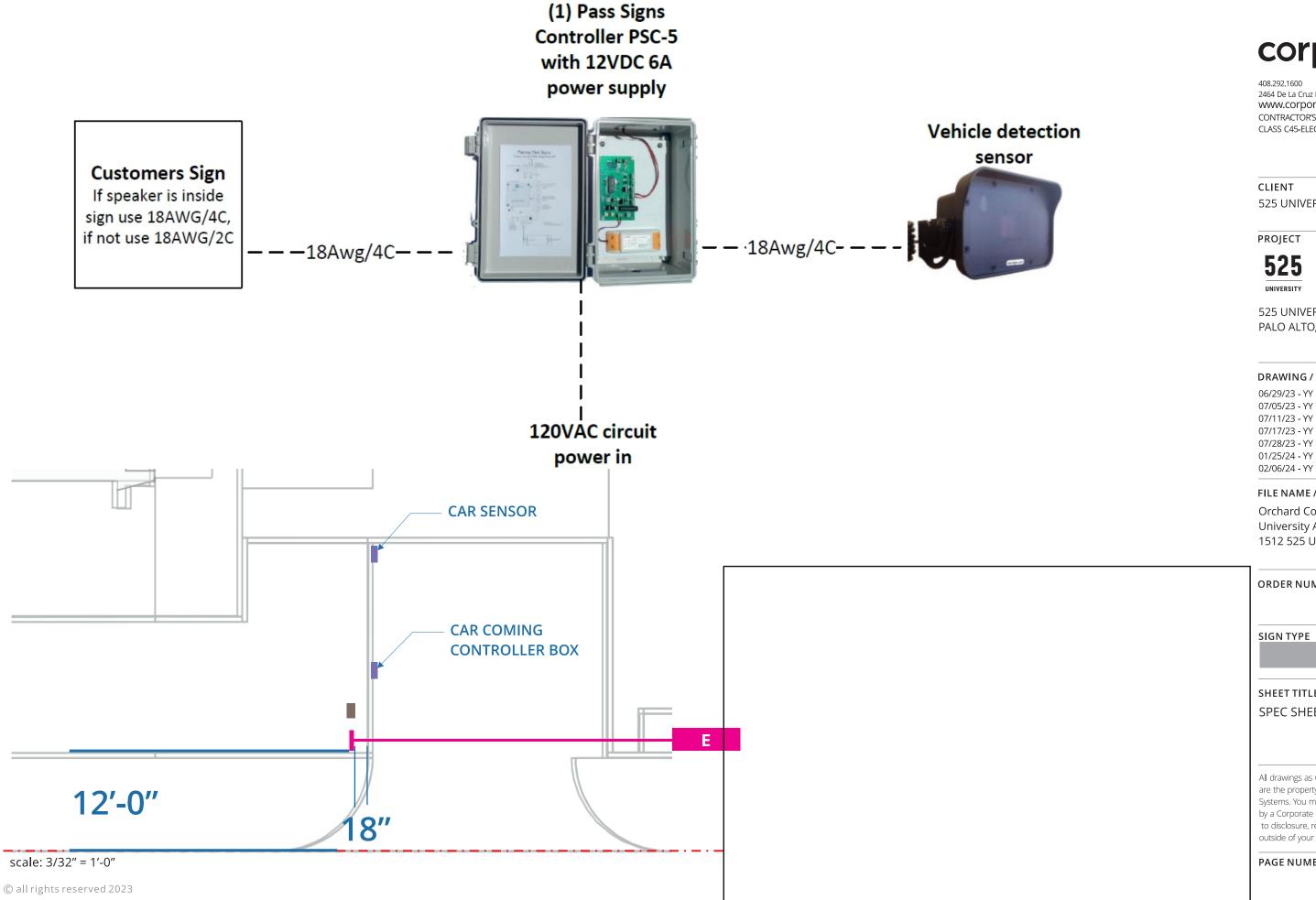
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#### PCS-5 WIRING AND PROGRAMMING GUIDE **BOARD LAYOUT** Audio file Reset selector Programming interface button switch Continuous test switch Trigger test buttons Volume control Power Speaker On/Off Output switch 12VDC Programmable Outputs 12VDC Trigger 12VDC Aux Inputs Input Power Power

# **Quick Features**

- (4) Timed outputs programmed for either flashing or constant output
- (2) Dry inputs programmed to trigger from Normally Open or Normally Closed
- (1) Timed speaker output with volume control and (4) channel selectable audio files
- Nighttime Audio cut-off timer (turn off audio output during designated times; example 8pm to 7am)
- Real-time clock onboard with programmable interface



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### **VEHICLE MOTION DETECTOR - DIRECTIONAL LOGIC**

PART NUMBER: PS-VMD-DL USED TO DETECT MOTION IN AN AREA FROM 10'X10' TO



#### Applications:

- Activating Parking Alert Signs for vehicles
- Activating roll-up doors, barriers, and gates
- Activating Parking Alert Signs for pedestrians
- Activating alarms
- Activating light control systems
- Wrong-way vehicle traffic
- Wrong-way pedestrian traffic

Start up takes 30 seconds Green LED - Detection of Vehicle Red LED - Detection of Pedestrian

#### Wiring & Connections to PASS Signs Controller (see page 3 for terminations)

	(see page 3 for terminations)		
	Sensor Wire	Function	Pass Signs Control Board Connection
	Red	V+ (12-36V)	12V+ Out
	Black	V- (12-36V)	12V- Out
e	White	Relay 1 NO	Trigger1
Vehicle Detection	Yellow	Relay 1 COM	Trigger1
	Brown	Relay 1 NC	
ian	Blue	Relay 2 NO	Trigger1
Pedestrian Detection	Green	Relay 2 COM	Trigger1
Pe	Grey	Relay 2 NC	

Direction Recognition from sensor:	Mode 1: Motion forward Mode 2: Motion backwards Mode 3: Motion in both directions
Mounting Height:	6ft ~ 28ft
Mounting Type:	Wall or Ceiling, 0° to 90°
Detection Area:	Min 10ft(w) x 10ft(d) at 6ft height Max 21ft(w) x 28ft(d) at 28ft height
Relay Info	Holding time2, .5, 1, 2, 5 secs 24VDC@1.0A 125VAC@0.5A

#### Function 1: Directional Logic Vehicle Motion Detection

Detects ONLY cars and ONLY in a single direction. This prevents false detection from pedestrians walking through the area and vehicles traveling in the opposite direction.

#### Vehicle Applications:

- Activating vehicle exit signs
- Activating ramp warning signs
- Activating traffic control systems
- Opening garage or roll-up doors

#### Function 2: Directional Logic Pedestrian Motion Detection

Detects ONLY pedestrians and ONLY in a single direction. This prevents false detection from pedestrians walking opposite direction or crossing the zone.

#### Pedestrian Applications:

- Activating pedestrian detection systems
- Activating storefront automatic doors
- Activating crosswalk systems

Application technology	Doppler radar
Transmission frequency	24.125GHz
Transmission power	<20dBm
Detection speed	2.0in/s – 15.5mph
Operation current	<100mA
Power frequency	50Hz
Temperature range	-22 ºF ~ + 140 ºF
Relative humidity	0% to 95%, no condensation
Protection grade	IP65
Relay output	24VDC@1.0A 125VAC@0.5A
External dimensions	6.46in x 4.37in x 3.72in
Cable length	23ft
Sensor weight	1.5lbs



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<sup>\*\*</sup>Ceiling mounting: turn back bracket over, see page 3.

# **EXISTING SIGN TO BE REMOVED**





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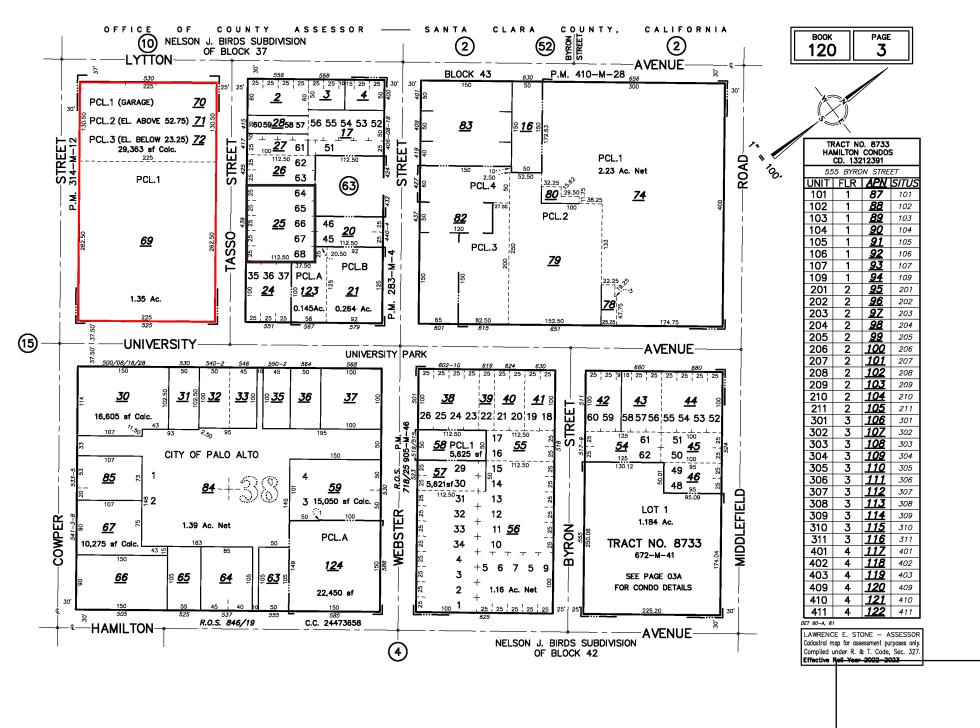
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