

101 W. IMPERIAL HWY LA HABRA, CA 90631

VICINITY MAP

PROJECT INFO

A.C.	ASPHALT CONCRETE	MIN.	MINIMUM
A.C.T.	ACOUSTICAL CEILING TILE	M.O.	MASONRY OPENING
A.F.F.	ABOVE FINISH FLOOR	MTD.	MOUNTED
BD.	BOARD	MTL.	METAL
BLDG.	BUILDING	(N)	NEW
BM.	BEAM	N.A.	NOT APPLICABLE
B/-	BOTTOM OF	N.A.P.	NOT A PART
CARP.	CARPENTRY	N.I.C.	NOT IN CONTRACT
C.B.C.	CALIFORNIA BUILDING CODE	N.T.S.	NOT TO SCALE
C.C.	CENTER TO CENTER	O.C.	ON CENTER
C.G.	CORNER GUARD	O.D.	OUTSIDE DIAMETER
C.I.	CAST IRON	O.F.D.	OVER FLOW DRAIN
C.J.	CONTROL JOINT	O.H.	OVER HEAD
CLG.	CEILING	OOSP	OUT OF SEQUENCE PARKING
CLR.	CLEAR	O/-	OVER
C.M.U.	CONCRETE MASONRY UNIT	PART.	PARTITION
COL.	COLUMN	PL.	PLATE
CONC.	CONCRETE	PROP.	PROPERTY
C.T.	CERAMIC TILE	P-LAM.	PLASTIC LAMINATE
C.W.	COLD WATER	PLYWD.	PLYWOOD
DIA.	DIAMETER	PT.	PAINT
DIM.	DIMENSION	PR.	PAIR
DN.	DOWN	P.O.C.	POINT OF CONNECTION
D.S.	DOWN SPOUT	P.S.F.	POUNDS PER SQUARE FOOT
DWG.	DRAWING	P.S.I.	POUNDS PER SQUARE INCH
D.T.	DRIVE-THRU	QTY.	QUANTITY
E.J.	EXPANSION JOINT	R.	RISER
ELEC.	ELECTRIC(AL)	RAD.	RADIUS
ELEV.	ELEVATION	R.C.P.	REFLECTED CEILING PLAN
EQ.	EQUAL	R.D.	ROOF DRAIN
EQUIP.	EQUIPMENT	REF.	REFERENCE
(E)	EXISTING	R.I.	ROUGH IN
EXT.	EXTERIOR	R.O.	ROUGH OPENING
F.D.	FLOOR DRAIN	RM.	ROOM
F.E.	FIRE EXTINGUISHER	SSBB	SELF SERVICE BEVERAGE BAR
F.E.C.	FIRE EXTINGUISHER CABINET	SCHED.	SCHEDULE
FIXT.	FIXTURE	SHT.	SHEET
F.G.	FINISH GRADE	SIM.	SIMILAR
F.O.M.	FACE OF MASONRY	SPEC.	SPECIFICATION
F.O.S.	FACE OF STUD	SQ.	SQUARE
F.P.	FIRE PROOF	S.S.	STAINLESS STEEL
F.S.	FLOOR SINK	S.T.C.	SOUND TRANSMISSION COEFFICIENT
FT.	FOOT (FEET)	STL.	STEEL
FTG.	FOOTING	STRUCT.	STRUCTURAL
GA.	GAUGE	SUSP.	SUSPENDED
GALV.	GALVANIZED	S.V.	SHEET VINYL
GYP. BD.	GYPSPUM BOARD	T24	TITLE 24
G.C.	GENERAL CONTRACTOR	T.	TREAD
H.B.	HOSE BIB	TEMP.	TEMPORARY
H.M.	HOLLOW METAL	T.J.	TOOLED JOINT
HORZ.	HORIZONTAL	TYP.	TYPICAL
HDWR.	HARDWARE	T/-	TOP OF
HT.	HEIGHT	U.N.O.	UNLESS NOTED OTHERWISE
HVAC	HEATING VENTILATING AND COOLING	V.	VENT
H.W.	HOT WATER	V.C.T.	VINYL COMPOSITION TILE
I.D.	INSIDE DIAMETER	VERT.	VERTICAL
INT.	INTERIOR	V.I.F.	VERIFY IN FIELD
J-BOX	JUNCTION BOX	V.B.	VINYL BASE
JT.	JOINT	W/	WITH
LAV.	LAVATORY	W.C.	WATER CLOSET
LTG.	LIGHTING	WD.	WOOD
MAX.	MAXIMUM	W.H.	WATER HEATER
MFR.	MANUFACTURER	W.P.	WATER PROOF
MECH.	MECHANICAL	W.I.	WROUGHT IRON
		W.W.F.	WELDED WIRE FABRIC

BUILDING DATA:

PROPOSED OCCUPANCY: B
 STORY OF BUILDING: B
 USE: RESTAURANT
 CONSTRUCTION TYPE: V-B
 LOT SIZE:
 BUILDING AREA: 1,900 SQ FT
 SPRINKLERS: NO
 FLOOR AREA: 1,900 SQ FT

TENANT

7LEAVES CAFE
 14361 N. EUCLID STREET, SUITE 3A & 3B
 GARDEN GROVE, CA 92843

LIFE SAFETY SYSTEM:

EMERGENCY LIGHTING: YES NO
 EXIT SIGNS: YES NO
 FIRE ALARM AND SMOKE DETECTION SYSTEM: YES NO
 PANIC HARDWARE: YES NO
 FIRE SPRINKLERS: YES NO

PARKING ANALYSIS:

PARKING SPACES PROVIDED: 14 STANDARD
 ACCESSIBLE PARKING SPACES PROVIDED: 1 VAN ACCESSIBLE

BUSINESS DESCRIPTION

THIS FACILITY WILL BE USED AS A DRIVE THRU/DINE IN COFFEE SHOP.

CODE: (2022 CBC)
 2022 CBC (California Building Code)
 2022 CMC (California Mechanical code)
 2022 CPC (California Plumbing Code)
 2022 CEC (California Electrical Code)
 2022 CA ENERGY CODE
 CALIFORNIA GREEN BUILDING STANDARDS

- BUILDING FACADE REMODEL
 - NEW ROOF PARAPET
 - NEW EXTERIOR PAINT
- PARKING LOT REMODEL
 - RESTRIPED PARKING LOT
 - NEW ACCESSIBLE PATH OF TRAVEL FROM PUBLIC R.O.W.
- INTERIOR REMODEL
 - NEW KITCHEN PREP AREA
 - NEW CUSTOMER SERVICE AREA
 - ACCESSIBLE RESTROOMS
- SEPARATE SUBMITTAL
 - WALL & SITE SIGNAGE
- REMOVAL OF NON-CONFORMING FREESTANDING SIGN.

ARCHITECTURAL

CS COVER SHEET
 P0.0 SITE PHOTOS
 A0 LANDSCAPE PLANS
 A1.0 PROPOSED SITE PLAN
 A2.0 EXISTING FLOOR PLAN
 A2.1 PROPOSED FLOOR PLAN
 A8.0 EXISTING ELEVATIONS
 A8.1 PROPOSED ELEVATIONS
 MB MENU BOARD SPECS

BUILDING CODES 4

SCOPE OF WORK 2

WOOD FRAME BUILDING
 EXISTING ONE STORY
 CONSTRUCTION TYPE: V-B
 LOT SIZE: 20,153 SF
 LOT 01
 ASSESSOR #: 412-031-01
 ZONING: PC1
 OCCUPANCY GROUP: B

DESCRIPTION 5

DESCRIPTION 3

OWNER:
 7LEAVES CAFE
 CONTACT: MICHAEL TRANG 510-698-1014
 DESIGNER:
 TOBY NGUYEN 714-251-2490
 EARNEST LITTLE 562-686-1007

ABBREVIATIONS

8

PROJECT INFO

7

CONTACT INFO & CONSULTANTS

6

SHEET INDEX

1



REV.	DESCRIPTION	DATE
A		

PROJECT:
 7LEAVES CAFE
 101 W. IMPERIAL HWY
 LA HABRA, CA 90631

SHEET TITLE:
 COVER SHEET



DESIGNER TN / EL
SIGNATURE
CONSULTANT
DATE 06-25-2024
JOB NO. 24-06
SHEET
CS
OF X SHEETS



VIEW FROM IMPERIAL HWY



VIEW FROM EUCLID ST



VIEW FROM REAR



VIEW FROM REAR



VIEW FROM EUCLID ST

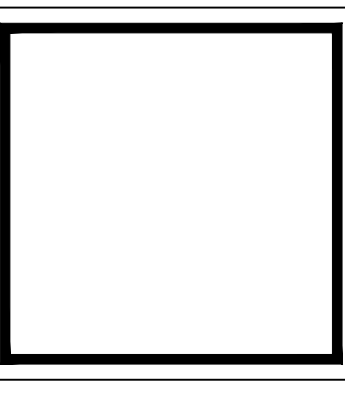


VIEW FROM IMPERIAL HWY

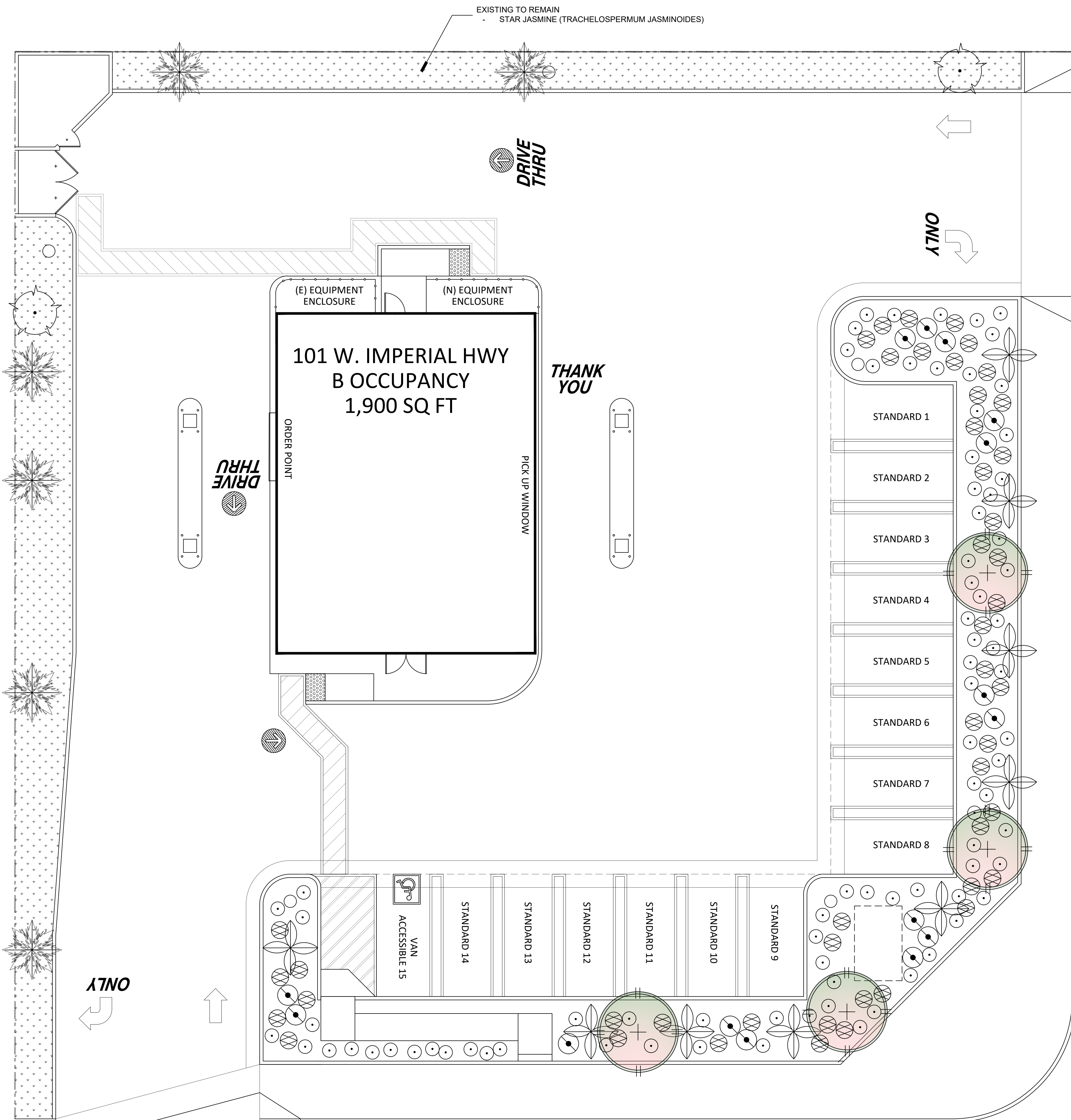
REV.	DESCRIPTION	DATE
A		

PROJECT:
 7 LEAVES CAFE
 101 W. IMPERIAL HWY
 LA HABRA, CA 90631

SHEET TITLE
 PHOTOS



DESIGNER TN / EL
SIGNATURE
CONSULTANT
DATE 06-25-2024
JOB NO. 24-06
SHEET



IMPERIAL HIGHWAY

EUCALYPTUS STREET

1 CONCEPTUAL LANDSCAPE PLAN
 Scale: 1/8" = 1'-0"
 0' 5' 10' 20'
 NORTH

TREE LEGEND

SYMBOL	QTY.	SIZE	BOTANICAL NAME	COMMON NAME	REMARKS	WUCOLS
	4	24" BOX	PROSOPIS ALBA	ARGENTINE MESQUITE	NEW TREE SEE DETAIL C, SHEET L3.4	LOW
	2		AESCLUSUS CALIFORNICA	CALIFORNIA BUCKEYE	EXISTING TO REMAIN	LOW
	6		SYAGRUS ROMANOFFIANA	QUEEN PALM	EXISTING TO REMAIN	LOW
	9		WASHINGTONIA ROBUSTA	MEXICAN FAN PALM	EXISTING TO REMAIN	LOW

REFER TO THE PLANTING NOTES AND DETAILS ON THE PLANTING DETAILS SHEET AND THE PLANTING SPECIFICATIONS SHEET.

SHRUB AND GROUNDCOVER LEGEND

SYMBOL	QTY.	SIZE	BOTANICAL NAME	COMMON NAME	SPACING	REMARKS	WUCOLS
	15	5 GAL	YUCCA RECURVIFOLIA	SOFT LEAVED YUCCA	PER PLAN	SEE DETAIL A AND B	VERY LOW
	83	1 GAL	FESTUCA MAIREI	ATLAS FESCUE	PER PLAN	SEE DETAIL A AND B	LOW
	47	1 GAL	ROSMARINUS OFFICINALIS	SPREADING ROSEMARY	PER PLAN	SEE DETAIL A AND B	LOW

REFER TO THE PLANTING NOTES AND DETAILS ON THE PLANTING DETAILS SHEET AND THE PLANTING SPECIFICATIONS SHEET.

* SPECIAL HYBRID PLANTS HAVE BEEN SPECIFIED. CONTRACTOR MAY NOT SUBSTITUTE OTHER SPECIES. CONTRACTOR TO VERIFY ALL PLANT QUANTITIES BEFORE ORDERING.
 ** NOTE: PLANTS TO BE OBTAINED FROM MONROVIA NURSERY. TO FIND THE NEAREST DEALER, GO TO: [HTTP://WWW.MONROVIA.COM/](http://www.monrovia.com/)

SHOVEL CUT NOTE

CONTRACTOR TO SHOVEL CUT TURF EDGE AROUND SHRUBS/GROUNDCOVER IN OPEN TURF AREA. TYP.

MULCH NOTE

- MULCH ALL SHRUB AREAS WITH A 3" LAYER MIN. OF BARK MULCH SIZED (0"-2"), PROVIDE SAMPLE TO OWNER FOR APPROVAL.
- APPLY MULCH AROUND ALL TREE TRUNKS IN TURF AREAS. EXTEND MULCH A MIN. OF 18" FROM EDGE OF ROOTBALLS. DO NOT MULCH OVER ROOTBALLS.
- FOREST FLOOR MUCH BY AGUINAGA GREEN 949) 786-9558

PLANT WATERING

CONTRACTOR SHALL PROVIDE TEMPORARY WATERING OF ALL PLANT MATERIAL AND SOD TO MAINTAIN HEALTHY, GROWING PLANTS FOR THE ENTIRE LENGTH OF THE ESTABLISHMENT/MAINTENANCE PERIOD. WATER TRUCKS MAY BE REQUIRED IF HOSE BIBS OR QUICK COUPLERS ARE NOT NEARBY.

MIDWAY CONCEPTS
 RESIDENTIAL & COMMERCIAL DESIGN
 1100 WASHINGTON BEACH, CA 90407
 (714) 251-2490 (562) 686-1007

REV.	DESCRIPTION	DATE
A		

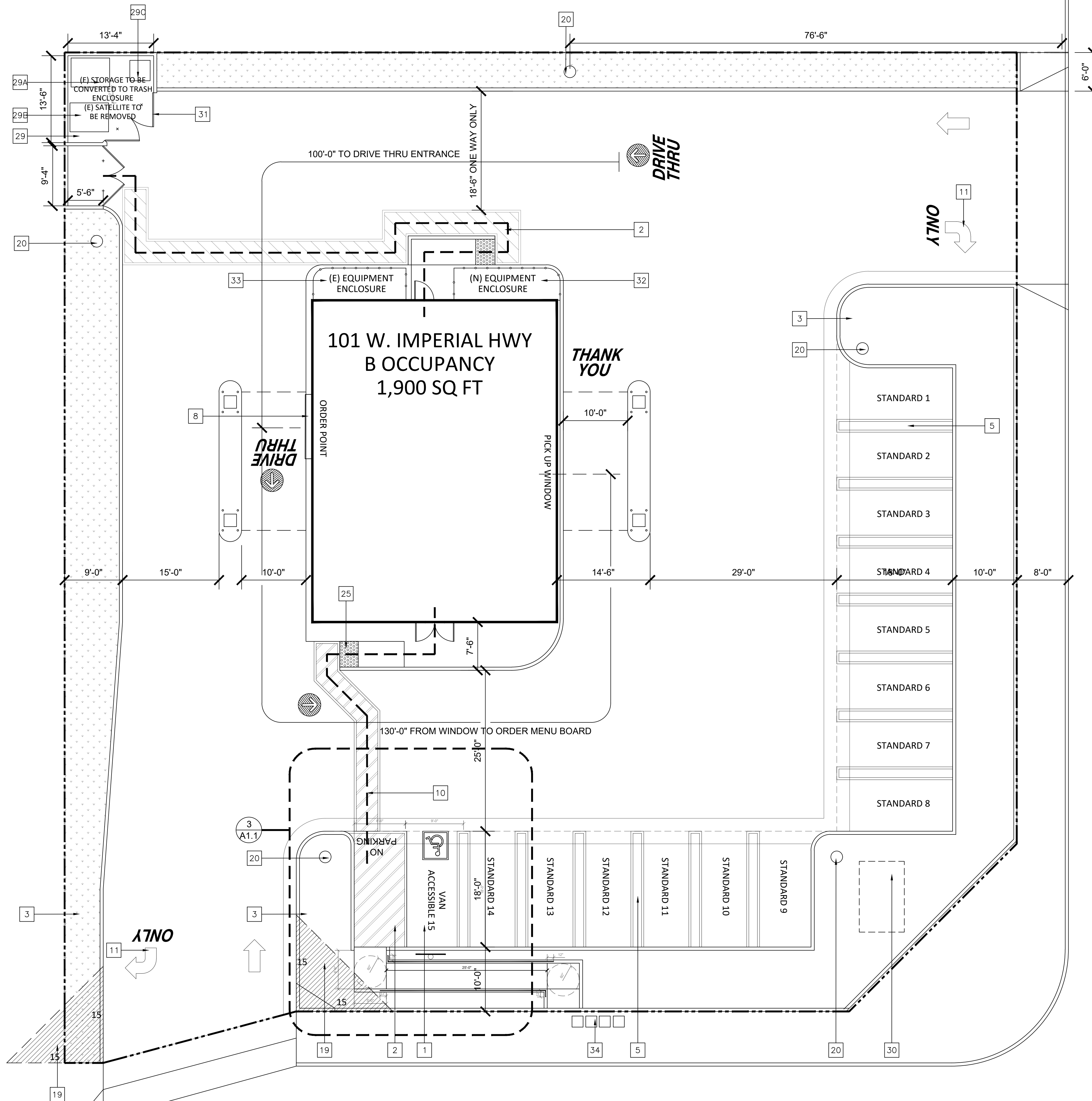
PROJECT: 7 LEAVES CAFE
 101 W. IMPERIAL HWY
 LA HABRA, CA 90631

SHEET TITLE: PRELIMINARY LANDSCAPE PLAN

DESIGNER: TN / EL
 SIGNATURE: _____
 CONSULTANT: _____

DATE: 06-25-2024
 JOB NO.: 24-06
 SHEET: A0

OF X SHEETS



NOTE: ALL SITE CONDITIONS SHOWN ARE EXISTING TO REMAIN EXCEPT THOSE NOTED IN THE KEYED NOTES BELOW.

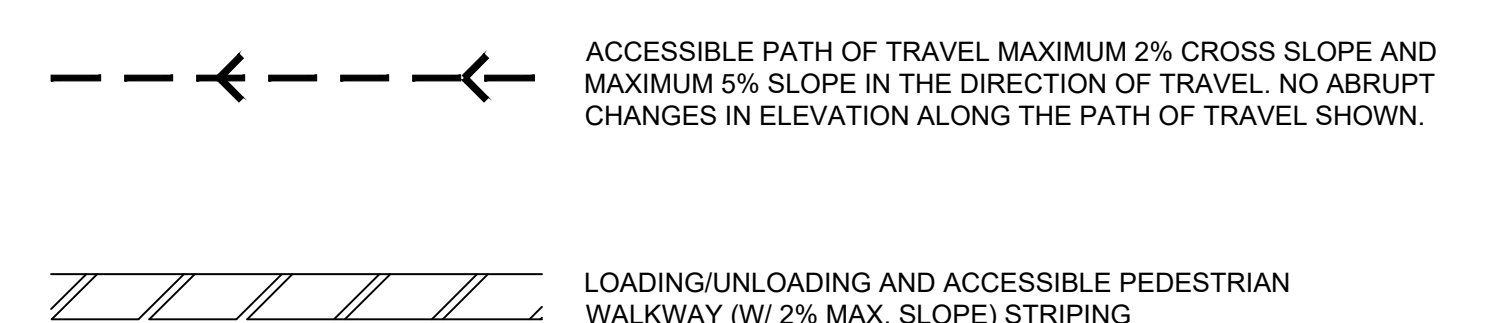
KEY NOTES SITE PLAN

MARK	DESCRIPTION OF WORK	DETAIL REF.
1	(E) VAN ACCESSIBLE PARKING (RESTRIPE)	
2	(E) NO PARKING AISLE (RESTRIPE)	
3	(E) 6" CONC. CURB & PLANTER	
4	(N) CIRCULATION PAINT STRIPING	
5	RESTRIPE PARKING STALL AREA	
6		
7		
8	(N) SIGNAGE; MENU BOARD	
9		
10	(E) ACCESSIBLE WALKWAY 5% MAX RUNNING SLOPE; 2% CROSS SLOPE	
11	(N) DIRECTIONAL RIGHT TURN ONLY SYMBOL	
12	(E) GUTTER TO REMAIN	
13	(E) CURB RAMP TO BE REMOVED AND REPLACED WITH (N) CURB RAMP PER CITY STD.	
14	ADDITIONAL NOTE: (1) RESTRIPE CROSSWALK AT INTERSECTION. (2) IF APPLICABLE, INSTALL A PEDESTRIAN CALL BUTTON CLOSER TO THE CURB	
15	(N) ACCESSIBLE PEDESTRIAN WALKWAY 5% MAX RUNNING SLOPE; 2% CROSS SLOPE	
16	(N) 24" BOX QUEEN PALM; 6'-8" IN HEIGHT. PER CITY STANDARDS AND APPROVED PLANS	
17	(E) 1" DOMESTIC WATER METER	
18	(E) 1" IRRIGATION METER	
19	(E) 4" SEWER LATERAL	
20	15'X15' SIGHT TRIANGLE	
21	(E) LIGHT POLE, PAINT TO MATCH BUILDING	
22	15'X15' SIGHT TRIANGLE	
23	RELOCATE EXISTING UNAUTHORIZED PARKING SIGN	
24	(N) UNAUTHORIZED PARKING SIGN	
25	(N) RIGHT TURN ONLY SIGNAGE	
26	(N) TRUNCATED DOMES	
27	(N) 4 BICYCLE PARKING SPACES; 24"x60"; (N) LANDSCAPE WITH SHRUBS TO MATCH FOR MITIGATION	
28	(E) BACKFLOW DEVICES; THERE ARE 2 ON SITE.	
29	RESTRIPE TO MAINTAIN 20'-0" DRIVEWAY AISLE	
30	(E) TRASH ENCLOSURE; (29A) 4 YD TRASH BIN; (29B) 4 YD RECYCLE BIN; (29C) 65 GAL. ORGANICS CART	
31	(E) FREESTANDING SIGN TO BE REMOVED	
32	(N) METAL DOORS FOR TRASH ENCLOSURE	
33	(N) EQUIPMENT ENCLOSURE (NEW WOOD SIDING FENCING)	
34	(E) EQUIPMENT ENCLOSURE (REPLACE CHAINLINK FENCE WITH WOOD SIDING FENCE TO MATCH)	
35	(E) NEWSPAPER BOX STANDS TO BE RELOCATED/REMOVED	

PARKING ANALYSIS

PARKING ANALYSIS: TOTAL STALLS = 15
STANDARD PARKING = 14 VAN ACCESSIBLE = 1

SYMBOLS LEGEND



PLAN CHECK NOTES

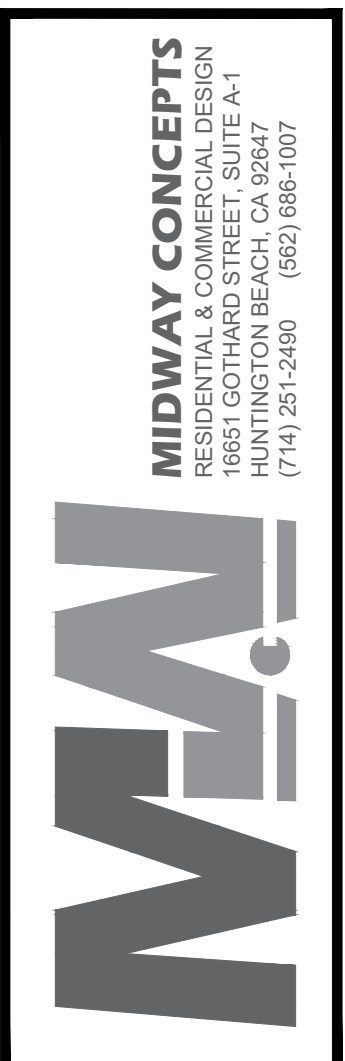
- LANDSCAPE DETAILS; ANY VINES THAT HAVE BEEN DAMAGED OR ARE DECAYING ALONG THE PERIMETER CMU WALLS WILL BE RESTORED.
- EXISTING LANDSCAPE TO REMAIN; INCLUDES ALL TREES, SHRUBS, GRASS AND VINES ON SITE.

EUCOLID STREET

IMPERIAL HIGHWAY



1 PROPOSED SITE PLAN
Scale: 1/8"=1'-0"

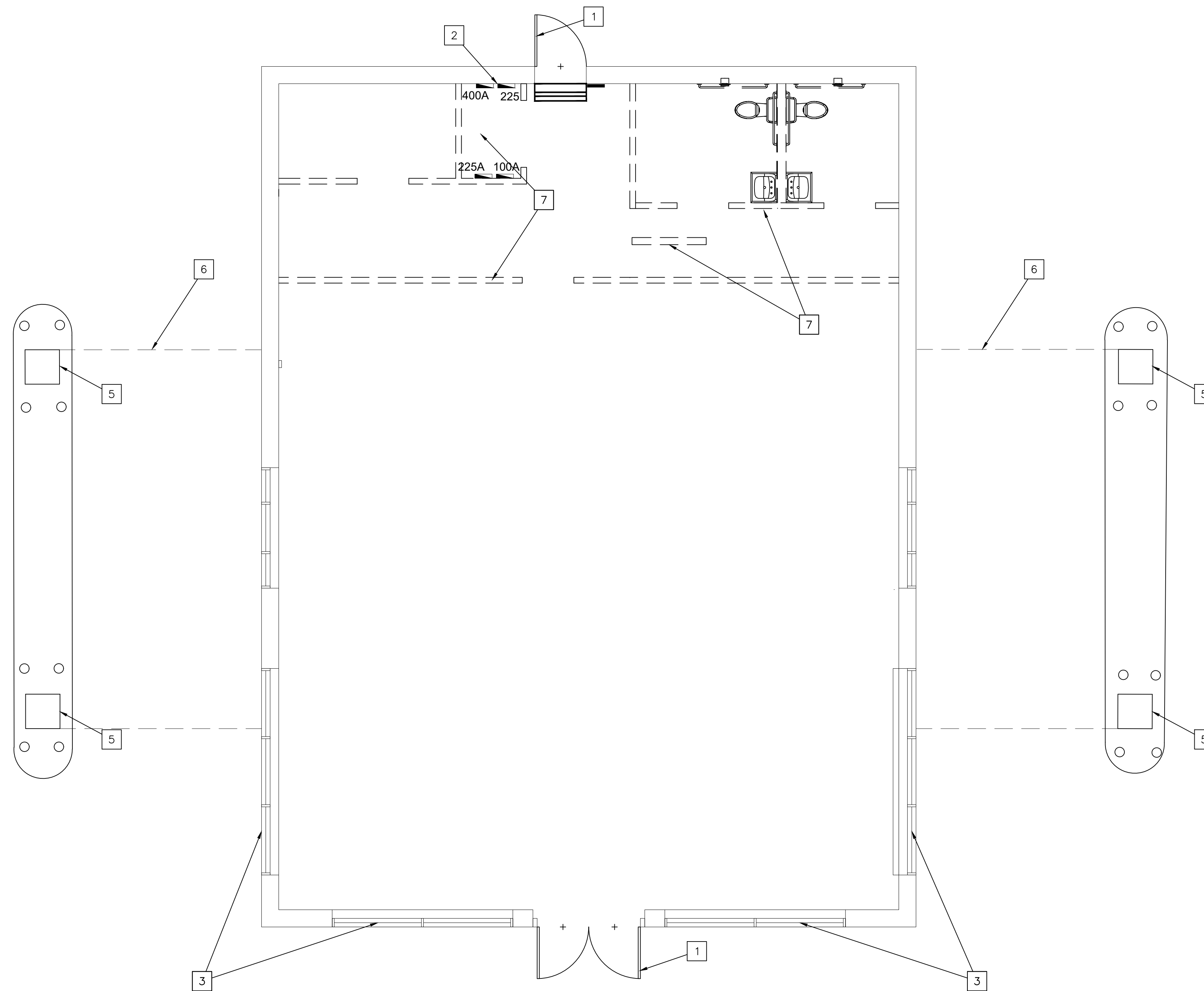


REV.	DESCRIPTION	DATE
A		

PROJECT:
7 LEAVES CAFE
101 W. IMPERIAL HWY
LA HABRA, CA 90631

SHEET TITLE
PROPOSED SITE PLAN

DESIGNER	TN / EL
SIGNATURE	
CONSULTANT	
DATE	06-25-2024
JOB NO.	24-06
SHEET	A1.0
OF	X SHEETS



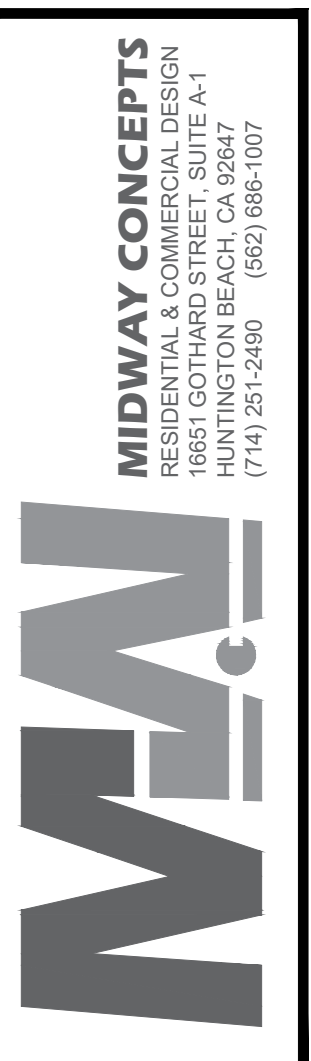
1 EXISTING FLOOR PLAN
Scale: 1/4"=1'-0"

FLOOR PLAN KEYNOTES

- 1 EXISTING DOOR
- 2 EXISTING ELECTRICAL PANEL
- 3 EXISTING WINDOW
- 4 EXISTING FLOOR DRAIN
- 5 EXISTING POST
- 6 ROOF ABOVE
- 7 WALL TO BE REMOVED
- 8
- 9

SYMBOL LEGEND

- (E) WALL TO REMAIN
- (E) WALL TO BE REMOVED
- (E) 1 HOUR FIRE BARRIER WALL
- (E) ILLUMINATED EXIT SIGN W/ EMERGENCY LIGHTING HARDWIRED W/ 90 MIN. BACK UP BATTERY
- (E) ILLUMINATED DIRECTIONAL EXIT SIGN HARDWIRED W/ 90 MIN. BACK UP BATTERY
- THRESHOLD, NO MORE THAN 3/4" LOWER THAN THE THRESHOLD OF THE DOORWAY
- FLOOR DRAIN
- FLOOR SINK



REV.	DESCRIPTION	DATE
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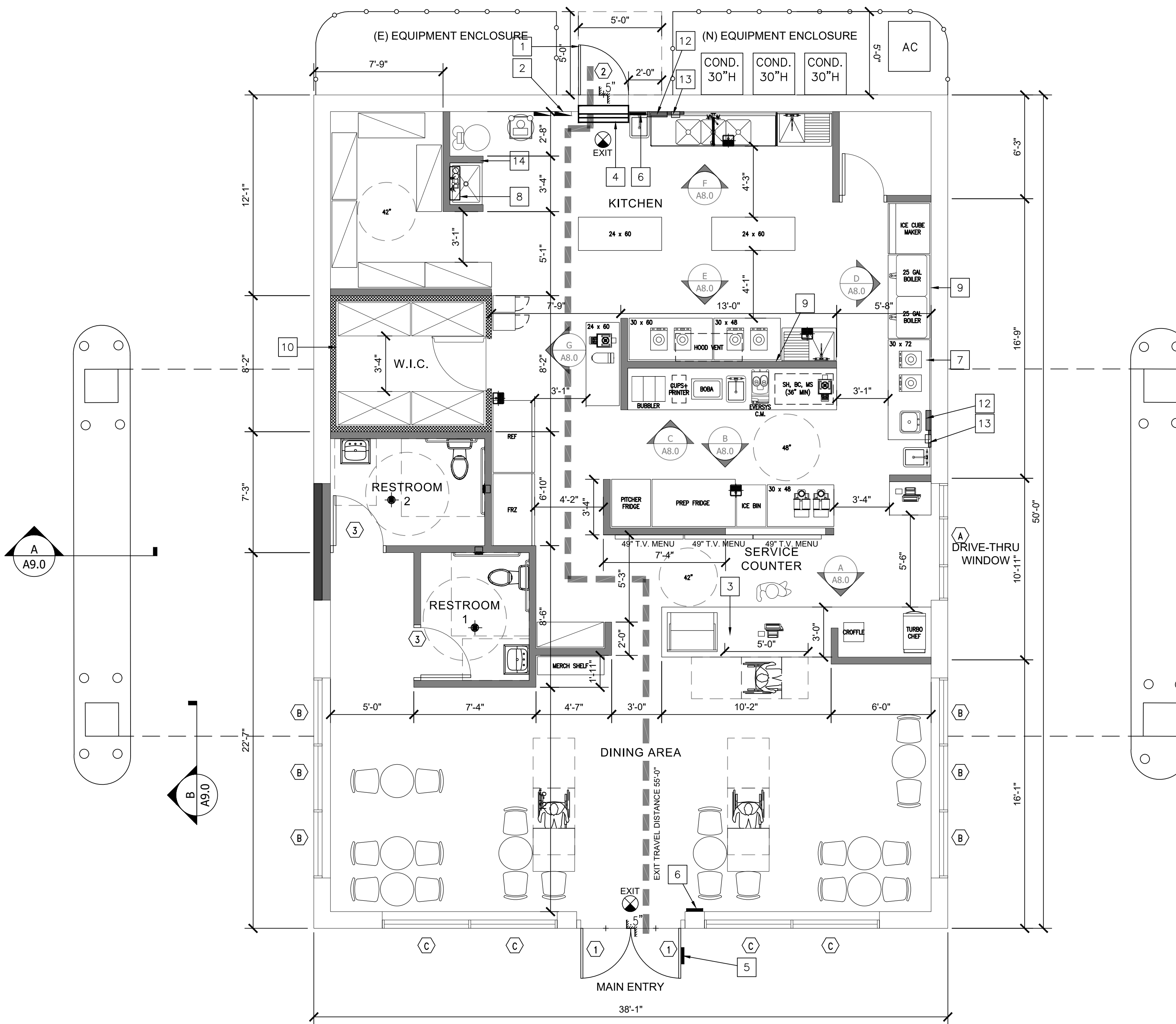
PROJECT: **7 LEAVES CAFE**
101 W. IMPERIAL HWY
LA HABRA, CA 90631

SHEET TITLE: **EXISTING FLOOR PLAN**



DESIGNER: TN / EL
SIGNATURE: _____
CONSULTANT: _____
DATE: 06-25-2024
JOB NO.: 24-06
SHEET

A2.0
OF X SHEETS



2 PROPOSED FLOOR PLAN
Scale: 1/4"=1'-0"

FLOOR PLAN KEYNOTES

- 1 NEW DOOR
- 2 NEW ELECTRICAL PANEL, SEE ELECTRICAL PLANS FOR MORE INFORMATION
- 3 ACCESSIBLE COUNTER, MAX HEIGHT: 34"; SEE DETAIL 3/A7
- 4 DOOR ACTIVATED AIR CURTAIN, MINIMUM 750 FT PER MINUTE
- 5 INSTALL INTERNATIONAL SYMBOL OF ACCESSIBILITY AT MAIN ENTRANCE DOORS PER CBC 11B-703.7.2.1, SEE DETAIL 7/T24
- 6 PROVIDE TACTILE EXIT SIGN AT ALL GRADE LEVEL EXIT DOORS, SIGN TO READ "EXIT", SEE DETAIL 2/T24
- 7 PROVIDE 6 INCH SPLASH GUARD BETWEEN SINK AND STORAGE RACK
- 8 MOP SINK; WITH CHEMICAL STORAGE SHELF ABOVE AND MOP RACK
- 9 (N) FRP WALL; ABOVE, BELOW, & BEHIND SINKS
- 10 (N) FLASHING. FREEZER SHALL BE FLASHED TO WALLS AND TO CEILINGS
- 11
- 12 TOWEL DISPENSER
- 13 SOAP DISPENSER
- 14 MIN. 6FT HIGH PARTITION WALL, TO EXTEND TO TO BE IN LINE WITH THE FRONT OF THE JANITORIAL SINK
- 15 NEW TRENCH DRAIN

EGRESS

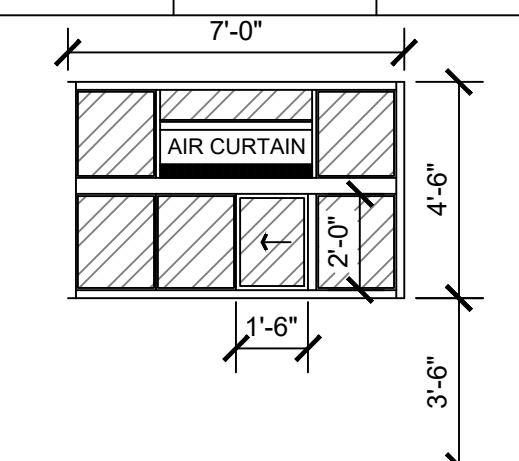
PER CBC 1029.8
TABLE 1014.3
COMMON PATH OF TRAVEL W/ SPRINKLER SYSTEM
OCCUPANCY B >50 OCCUPANT LOAD 30'
TABLE 1016.2
EXIT ACCESS TRAVEL DISTANCE W/ SPRINKLER SYSTEM
OCCUPANCY B 250'
MAX. TRAVEL OF DISTANCE: 250'

OCCUPANT LOAD CALCULATIONS

FUNCTION OF SPACE	LOAD FACTOR	AREA	# OF OCCUPANTS
DINING AREA	(1/15)	527 S.F.	36 OCCUPANTS
PREP AREA	(1/200)	755 S.F.	4 OCCUPANTS
SERVICE COUNTER AREA	(1/100)	157 S.F.	2 OCCUPANTS
TOTAL:			42 OCCUPANTS

WINDOW SCHEDULE

WINDOW #	SIZE	THK	HARDWARE	MATERIAL	REMARKS
A	4'-6"x7'-0"	1/2" GLAZE	READY ACCESS	ALUMINUM FRAME TEMP. GLAZE	NEW DRIVE THRU WINDOW
B	4'-0"x3'-0"	1/2" GLAZE	FIXED	ALUMINUM FRAME TEMP. GLAZE	(E) WINDOW TO REMAIN
C	5'-0"x5'-0"	1/2" GLAZE	FIXED	ALUMINUM FRAME TEMP. GLAZE	(E) WINDOW TO REMAIN



A ALUMINUM FRAME TEMP. GLAZE 432 SQIN OPENING WITH AIR CURTAIN

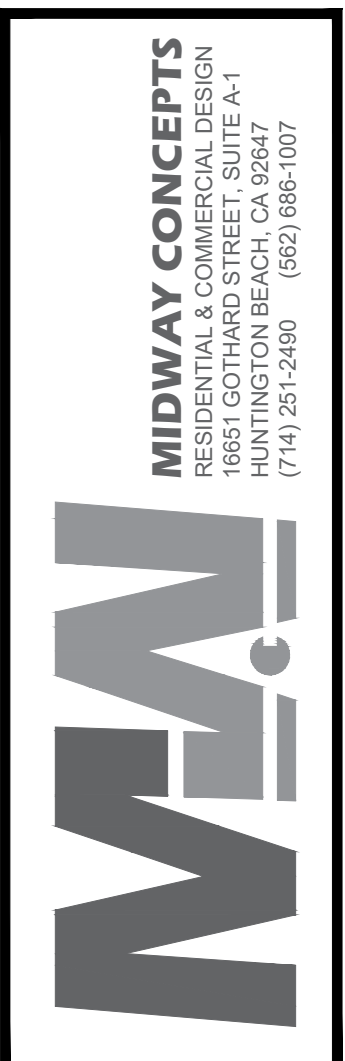
DOOR SCHEDULE

DOOR #	MATERIAL	SIZE	N/E	TYPE	SPECIFICATION
1	ALUMINUM	3'-0"x6'-8"x1 3/4"	NEW	SWING	(N) PUSH & PULL; W/ PANIC HARDWARE, FRONT DOOR
2	HOLLOW METAL	3'-0"x7'-0"x1 3/4"	EXIST.	SWING	(E) LEVEL HANDLE
3	WOOD	3'-0"x6'-8"x1 3/4"	NEW	SWING	(N) LEVER HANDLE
4	WOOD	3'-0"x6'-8"x1 3/4"	NEW	SWING	(N) TRAFFIC DOOR

1.) THE DOOR SHALL SWING TO THE FULLY OPEN POSITION WHEN AN OPENING FORCE NOT TO EXCEED 5 LBS. (INTERIOR AND EXTERIOR DOORS.) AND 15 LBS (FIRE DOORS) IS APPLIED TO THE LATCH SIDE
2.) DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT
3.) IN A3, B,F,M AND S OCCUPANCIES, KEY LOCKING HARDWARE MAY BE USED AT THE MAIN ENTRY DOORS, PROVIDED A SIGN IN CONTRASTING LETTERS OF 1 INCH OR MORE IS PROVIDED AT THE DOOR STATING, "THIS DOOR TO REMAIN UNLOCKED WHEN THIS SPACE IS OCCUPIED"
4.) DOOR LANDINGS SHALL MEET THE CRITERIA FOR THRESHOLDS, SIZE, AND CLEARANCES SPECIFIED IN CBC 1010.1.5 THROUGH 1010.1.7

SYMBOL LEGEND

- (E) WALL TO REMAIN
- (N) WALL
- PATH OF TRAVEL
- (E) 1 HOUR FIRE BARRIER WALL
- (N) ILLUMINATED EXIT SIGN W/ EMERGENCY LIGHTING HARDWIRED W/ 90 MIN. BACK UP BATTERY
- (N) ILLUMINATED DIRECTIONAL EXIT SIGN HARDWIRED W/ 90 MIN. BACK UP BATTERY
- THRESHOLD, NO MORE THAN 1/2" LOWER THAN THE THRESHOLD OF THE DOORWAY.
- FLOOR DRAIN
- FLOOR SINK



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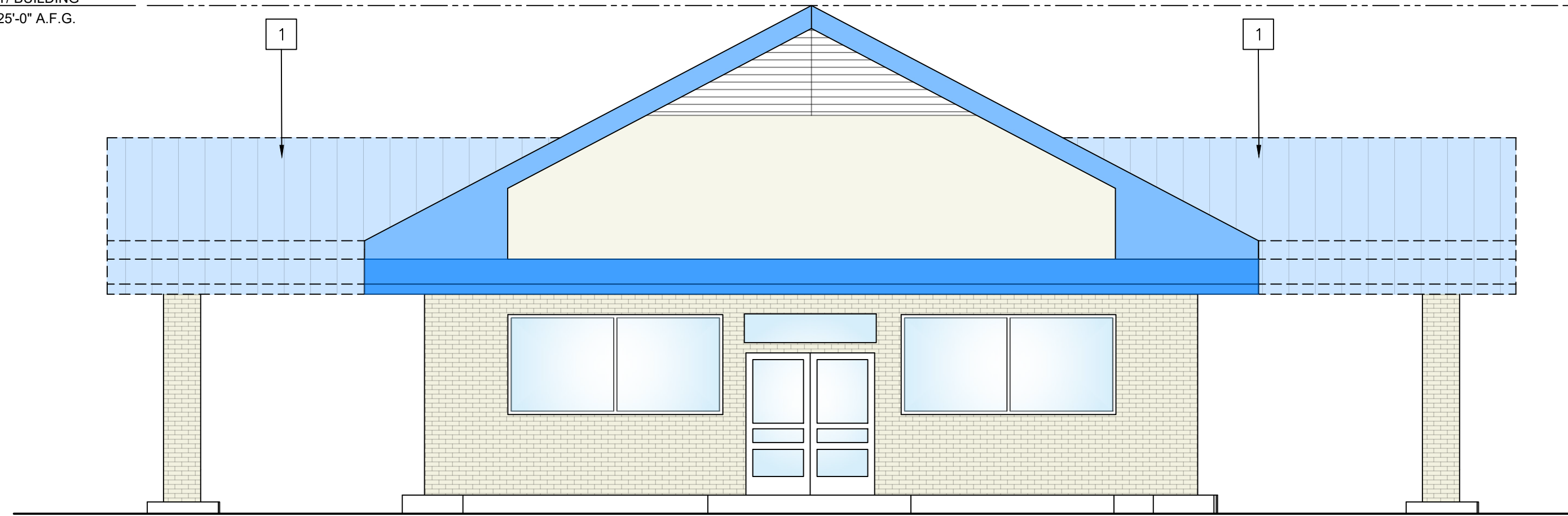
FLOOR PLAN

DESIGNER	TN / EL

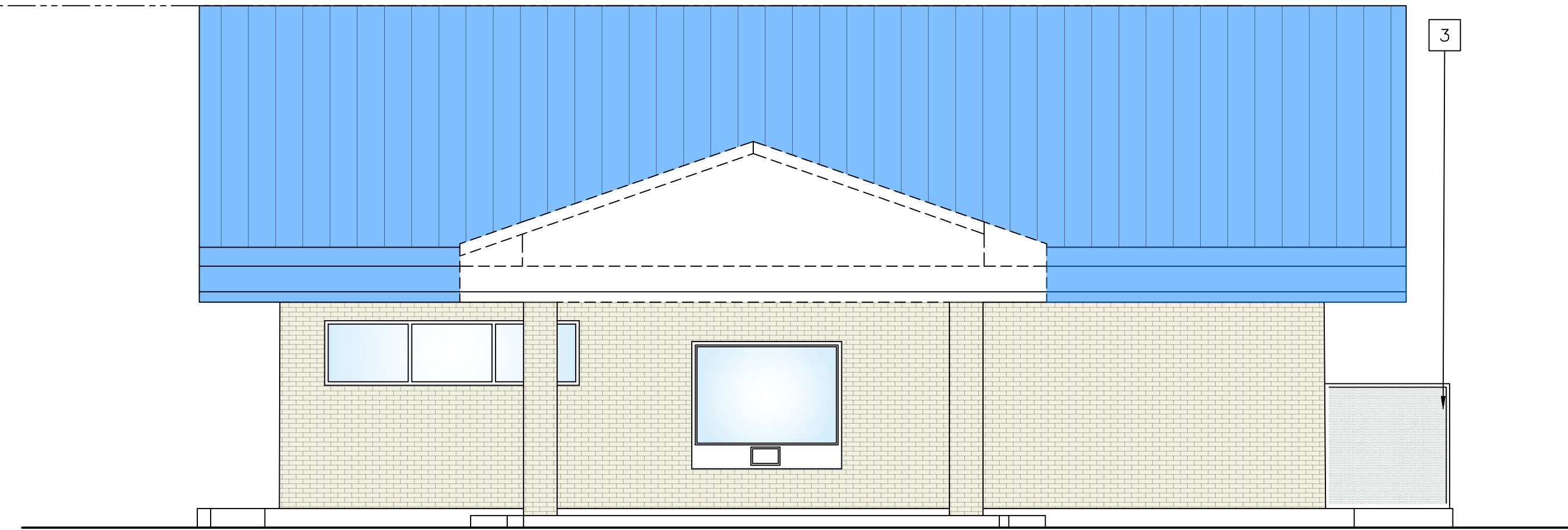
CONSULTANT	DATE
	06-25-2024
	JOB NO. 24-06
	SHEET

A2.1
OF X SHEETS

T/ BUILDING
25'-0" A.F.G.

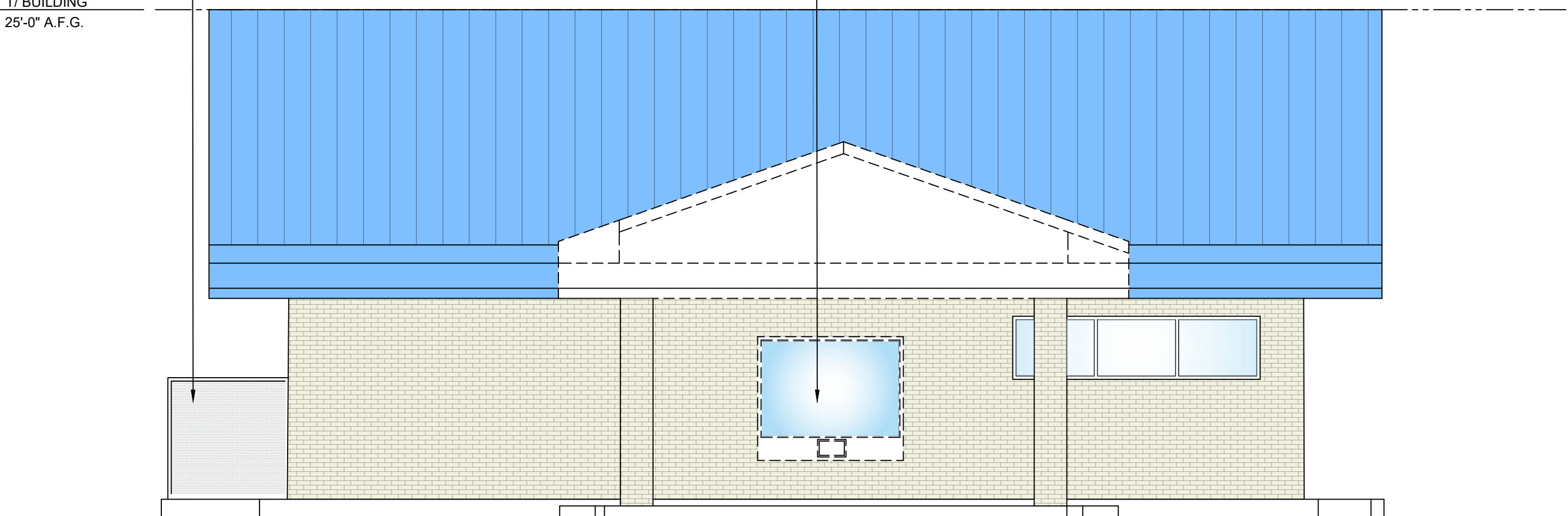


A SOUTH ELEVATION (FRONT)
Scale: 3/16"=1'-0"

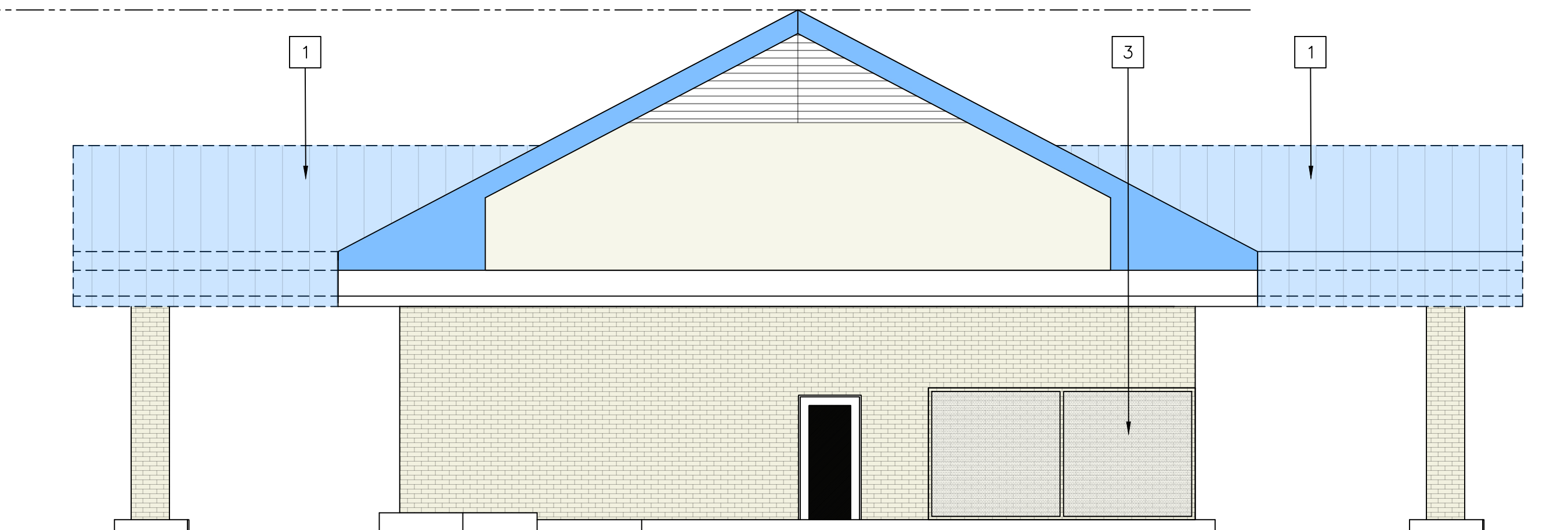


B EAST ELEVATION (STREET SIDE)
Scale: 3/16"=1'-0"

T/ BUILDING
25'-0" A.F.G.



C WEST ELEVATION (INTERIOR SIDE)
Scale: 3/16"=1'-0"



D NORTH ELEVATION (REAR VIEW)
Scale: 3/16"=1'-0"

EXISTING ELEVATIONS

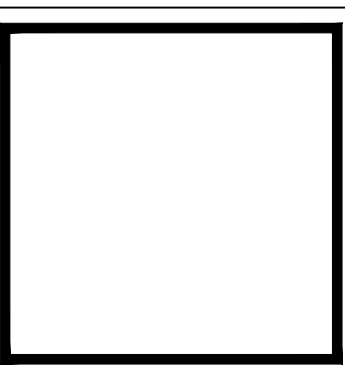
KEYNOTES

1	MODIFY EXISTING ROOF
2	REMOVE WINDOW
3	REPLACE EXISTING CHAIN LINK FENCE
4	
5	
6	
7	
8	
9	
10	

REV.	DESCRIPTION	DATE
A		

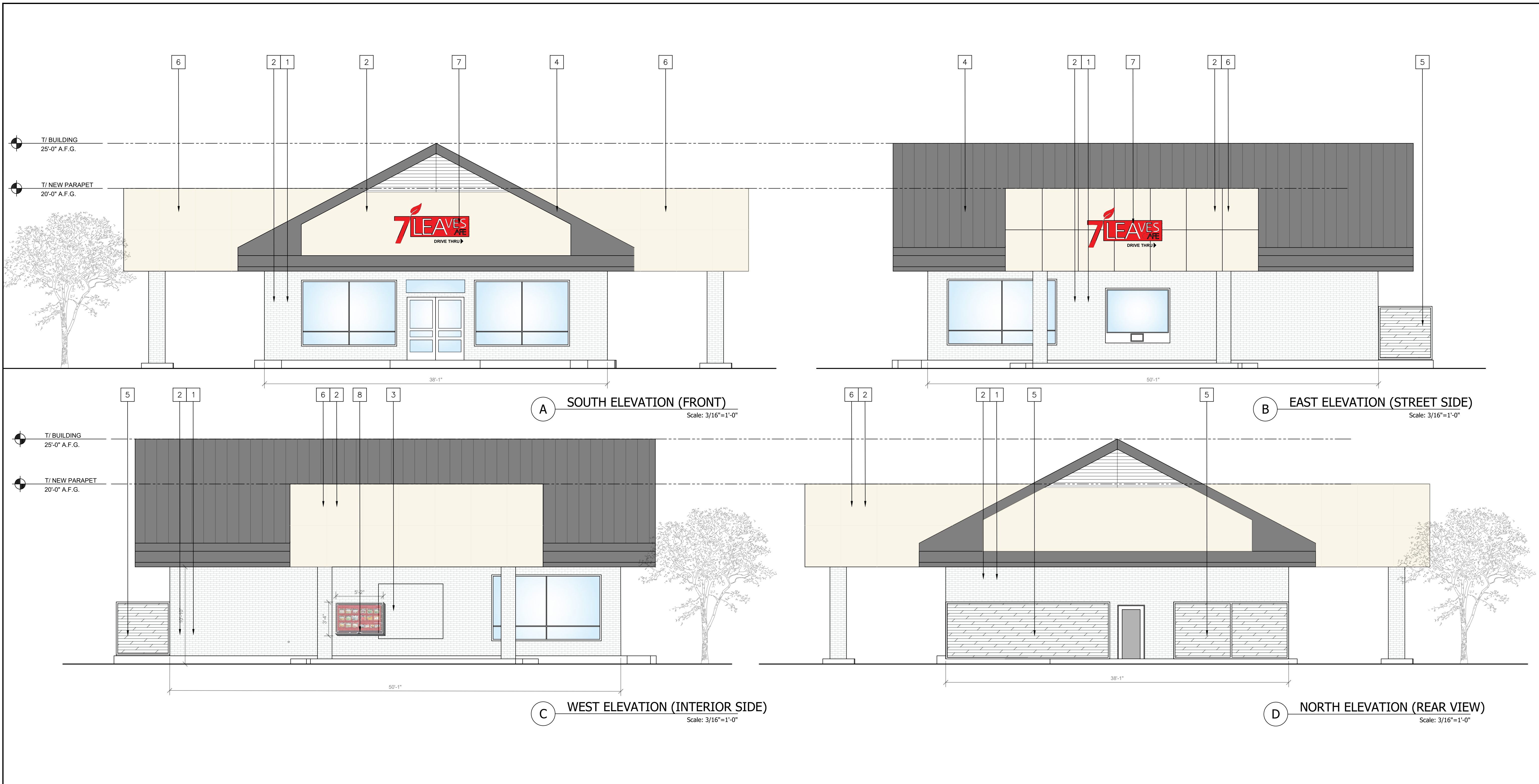
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7 LEAVES CAFE
101 W. IMPERIAL HWY
LA HABRA, CA 90631

SHEET TITLE
EXISTING ELEVATIONS



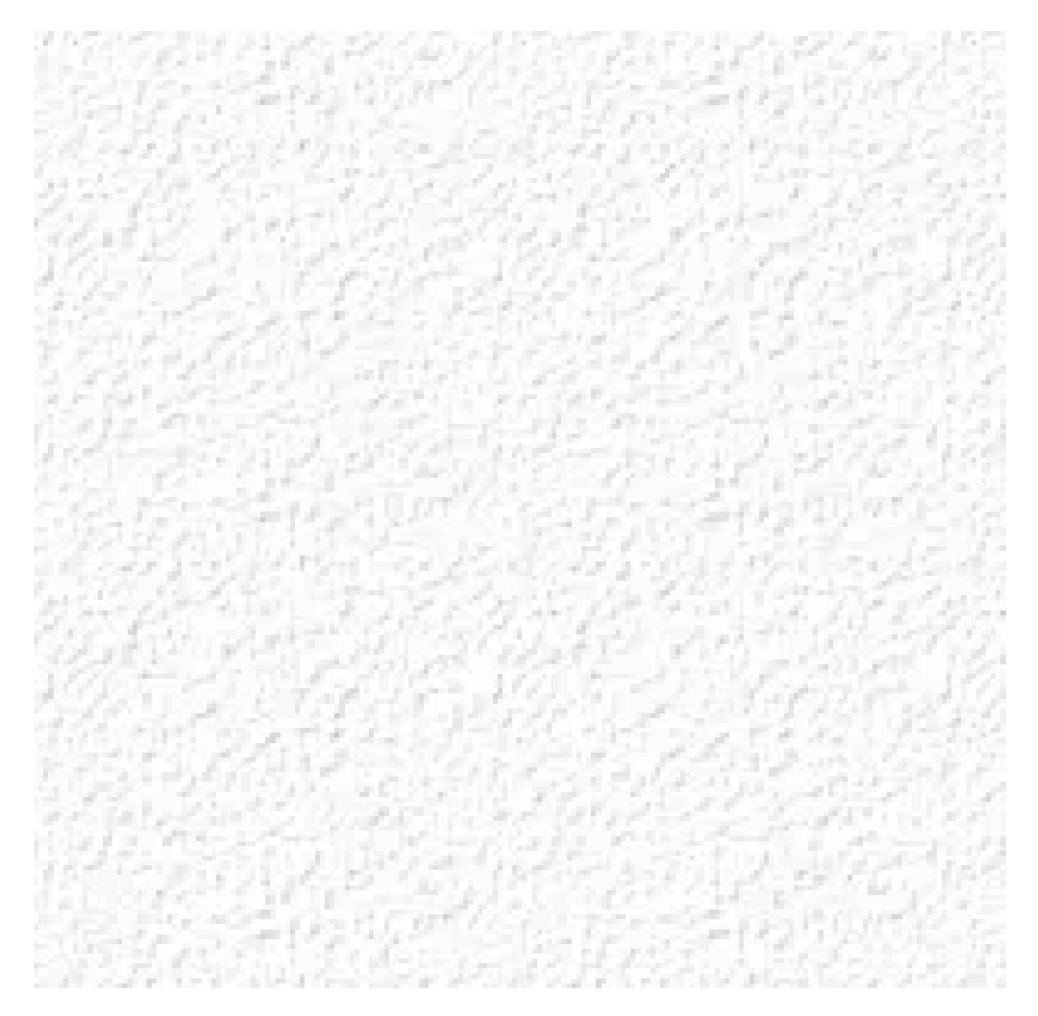
DESIGNER
TN / EL
SIGNATURE
CONSULTANT
DATE
06-25-2024
JOB NO.
24-06
SHEET

A8.0
OF X SHEETS

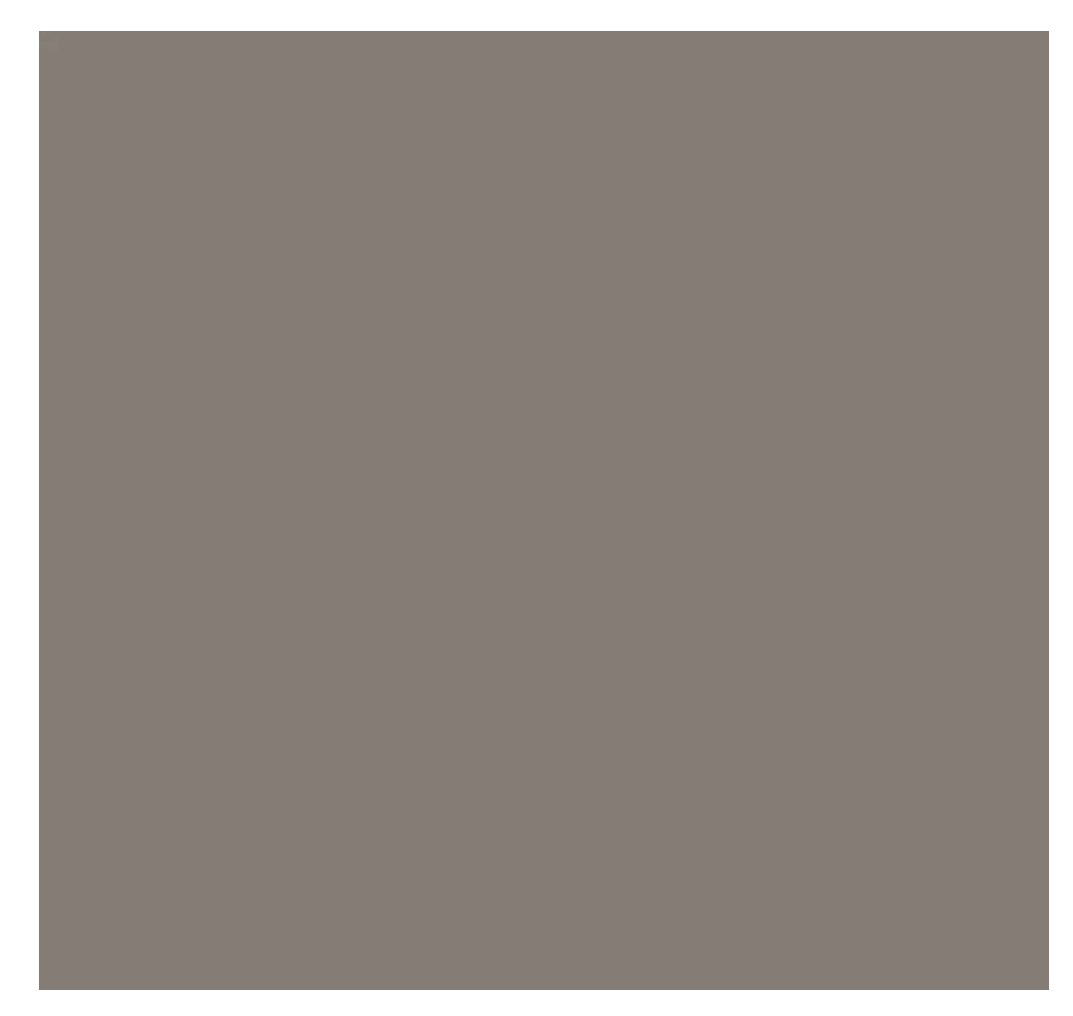


PROPOSED ELEVATIONS

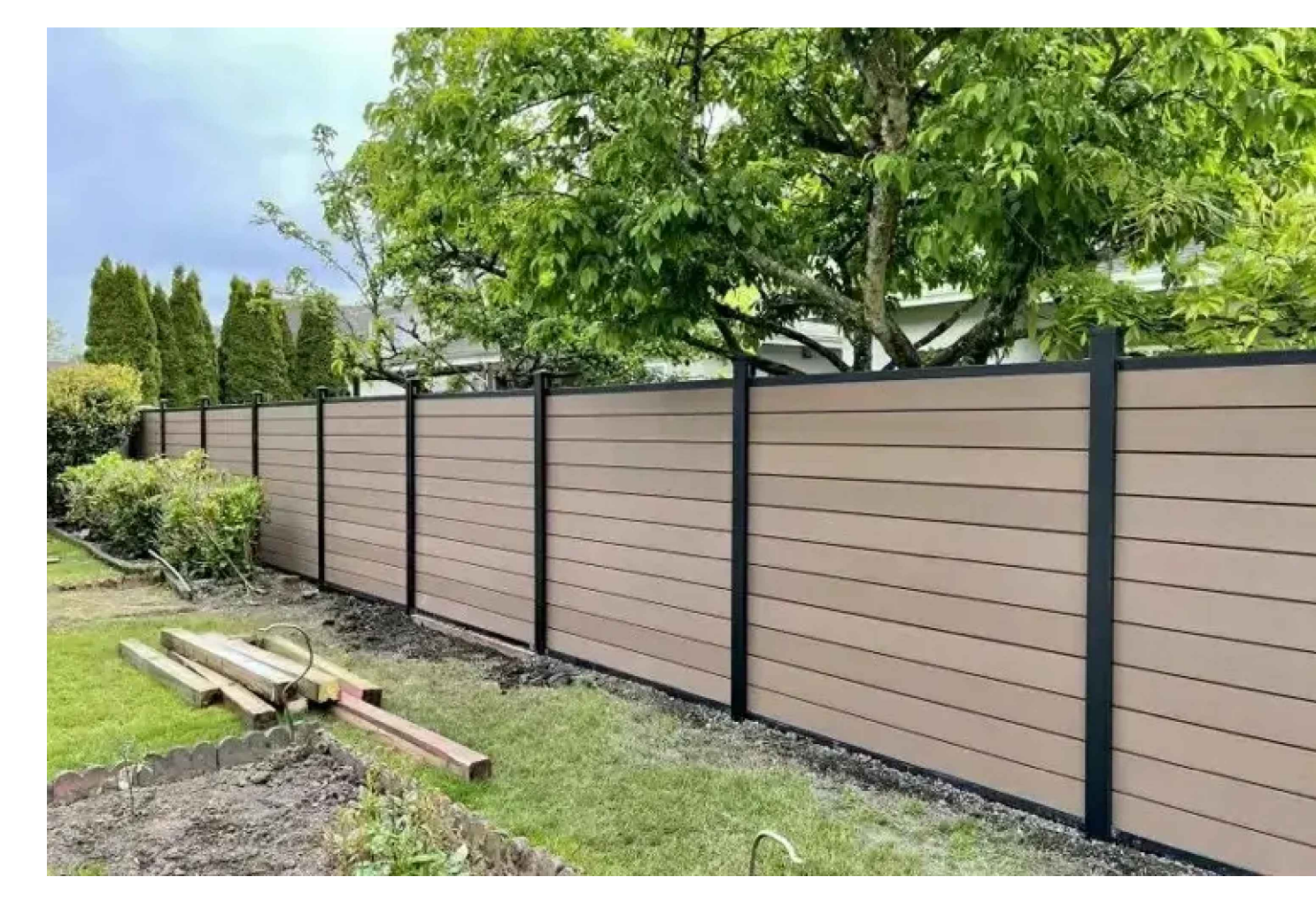
KEYNOTES	
1	(E) BRICK VENEER TO REMAIN
2	PRIMARY COLOR - OMEGA #10 OMEGA WHITE
3	INFILL WINDOW WITH BRICK VENEER TO MATCH
4	ACCENT COLOR - DUNN EDWARDS METAL FRINGE DET626
5	(N) 6'-0" H EQUIPMENT ENCLOSURE - WOOD SIDING FENCE (PAINT TO MATCH)
6	(N) STUCCO EXTERIOR
7	(N) WALL SIGNAGE (UNDER SEPARATE PERMIT)
8	(N) MENU BOARD (STATIC)



OMEGA COLORTEK - #10 OMEGA WHITE



DUNN EDWARDS - METAL FRINGE DET626

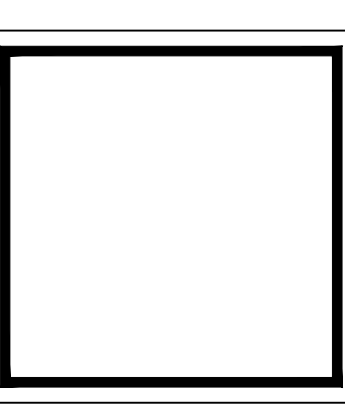


MODERN HORIZONTAL SIDING FENCE

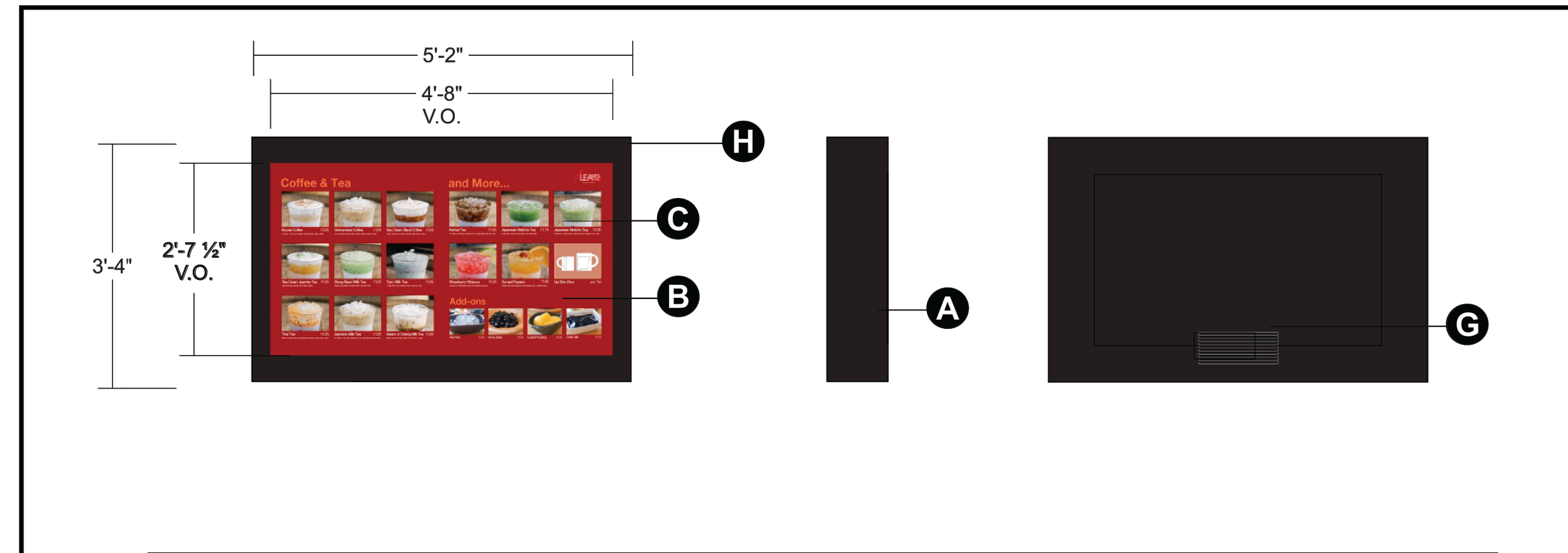
REV.	DESCRIPTION	DATE
A		

PROJECT: 7LEAVES CAFE
101 W. IMPERIAL HWY
LA HABRA, CA 90631

SHEET TITLE: PROPOSED ELEVATIONS



DESIGNER TN / EL
SIGNATURE
CONSULTANT
DATE 06-25-2024
JOB NO. 24-06
SHEET



E NEW MENU BOARD

ONE (1) REQUIRED

20.23 SQ. FT.

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

- A** Aluminum Cabinet with .080" thick walls, and .125" thick framing Painted MPC Satin Black (Interior & Exterior)
- B** .125" Clear Polycarbonate Insert with Matte Lamination applied to reverse side, or equal
- C** 3" x 3" x 0.125" Aluminum "L" Retainer Painted MPC Satin Black
- D** .080" Thick Aluminum Skirt Painted MPC Satin Black
- E** .080" Thick Aluminum Skirt Painted MPC Satin Black
- F** 4" x 4" x 0.25" Aluminum post Welded to sign cabinet
- G** Angled Aluminum Vent cover Painted MPC Satin Black
- H** Solid Border on Retainers



3301 S. Susan St.
Santa Ana, CA 92704
(714) 540-5454 PHONE (714) 540-5959 FAX

CLIENT	7LEAVES CAFE
ADDRESS	
LOCATION	
DATE	04-12-24
CONCEPT	10498
Sales DC	DMAN JR. JM
OPTION	

CUSTOMER / LANDLORD APPROVAL	
SIGNATURE	DATE

The sign is intended to be placed in accordance with the requirements of Article 16.04 of the Municipal Code of the City of Santa Ana. The sign is intended to be placed in accordance with the requirements of Article 16.04 of the Municipal Code of the City of Santa Ana. The sign is intended to be placed in accordance with the requirements of Article 16.04 of the Municipal Code of the City of Santa Ana.

NOTE: This is an original drawing used for production. It is intended for your use only. It is not to be reproduced, distributed, or used for any other purpose without the written consent of the sign company. The sign company is not responsible for any damage to the sign or the property of the customer. The sign company is not responsible for any damage to the sign or the property of the customer.

1.08/16/24
PAGE 4 OF 5

HME ENGINEERING DEPARTMENT WHITE PAPER

Customer Driven

Drive-Thru Sound Levels - NEXEO

This white paper addresses sound pressure levels (SPL) from the NEXEO | HDX™ drive-thru communications system, which is a concern especially where municipal noise abatement rules exist. The paper includes general information and typical measurements for a standard HME drive-thru system.

Note: Because every site is different and each municipality has its own regulations, HME is unable to make specific recommendations for compliance or give any assurance that any particular system configuration will comply with any given regulations. Statements made in this paper should be taken as general guidelines, but to ensure compliance, the site planner should retain the services of a qualified acoustic consultant equipped to make the necessary measurements.

Sound pressure levels are measured in units of dB SPL and usually include a frequency selective weight referred to as "A Weighting". For this reason, the units are frequently written as "dBA SPL" and that notation will be used throughout this paper.

In the drive-thru, the primary source of sound other than the vehicles themselves is often the drive-thru communications system. There is the sound from the speaker (outbound) which comes from the order taker or greeter. There is also the sound of the voice of the customer in the vehicle (inbound). This paper only addresses outbound sound. The outbound audio is delivered by the speaker and must be loud enough to be clearly heard by the customer over the noise of the customer's vehicle, any local traffic and other ambient background noises in the area. However, if it is too loud, the sound can be objectionable to neighbors or even violate specific local regulations.

The sound pressure level observed from a speaker decreases as the observer distance from the speaker increases. However, it can be difficult to predict how much reduction will actually occur. For a single point sound source like an alarm bell hanging in air, the SPL decreases approximately 6 dB every time the distance from the source doubles. Thus, if one starts one foot away, the level will be 36 dB lower when one is 64 feet away. Unfortunately, speakers are neither single point sources nor are they hanging in air. Rather, speakers are mounted in a variety of different type enclosures. Further, surrounding buildings, and cars in proximity all affect the sound's direction and energy. All of this tends to make the sound more directional and the SPL at distance less predictable. In measurements with a real speaker post, we tend to see SPL decreases closer to 5 dB when the distance doubles.

HME base stations are equipped with a feature known as Automatic Volume Control or "AVC" which can be used to reduce the outbound sound pressure level based on ambient noise. When AVC is active, the microphone in the speaker post is used to measure the ambient noise level and the outbound level is reduced to a level that is approximately 6 - 12 dB above the ambient noise, but it never increases the level above what would be heard with AVC turned off. This feature can considerably reduce the SPL during quiet periods and may help in satisfying local requirements.

This paper provides some typical measurements taken in a hemi-anechoic chamber that simulates an outdoor environment under specific circumstances. Measurements in the chamber allow us to simulate an open parking lot with any level of ambient noise we choose. These measurements can be used as a guide for what levels might occur in a drive-thru installation. SPL levels at distances greater than 16 ft from the speaker post are calculated based on projected SPL decreases at distance. Additionally, these results were compared with previous outdoor measurements with the same model of speaker and speaker post to verify the validity of the calculated results.

All measurements provided here were taken using the following drive-thru equipment:

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Drive-Thru Sound Levels - NEXEO

- Base station: HME EOS HD set to factory default level (outbound volume "15").
- NOTE: NEXEO | HDX™ has the same outbound audio processing as EOS and produces the same SPL as the EOS test system when the NEXEO outbound volume is set to "12". NEXEO factory default outbound volume is "10", which is 2 dB lower than the EOS factory default setting. These tests assume a NEXEO setting of "12". For settings other than "12", the appropriate correction factor from Table 1 needs to be applied.
- Note: AVC measurements were taken with a NEXEO system and a volume setting of "20".
- Speaker: HME SPT10
- Microphone: HME DMS (required for AVC operation)
- Speaker post: Texas Digital model 107150

- SPL Measurements were taken with:
- NTI Minilizer ML1 with Mini SPL microphone set to A-weight, slow response
 - Ambient background noise level: -32 dBA SPL (room noise floor)

These measurements were taken using pink noise, at levels simulating the loudest speech expected from an order taker. Initial measurements were taken with AVC off and no obstructions or reflecting surfaces in front of the speaker. These are not "normal" conditions for a drive-thru, but they do yield one worst-case measurement. Measurement accuracy for any SPL measurement can be taken to be ±1 dB. The speaker in the test speaker post is centered 1.5 feet (18 inches) from the floor and the microphone is centered at 46 inches from the floor. All measurements are taken directly in front of the speaker post.

SPL tests without AVC were made with continuous pink noise supplied to a communicator at a level comparable to that of an order taker speaking into the microphone. Measurements are then taken with the measurement microphone on a stand. These measurements were taken at various heights above the floor and distances from the speaker post in order to have a good picture of the way that SPL changes with distance. Measurements are taken at heights of 1.5 feet, 3 feet, 6 feet, and 9 feet above the floor and at linear distances of 1 foot, 2 feet, 4 feet, 8 feet, and 16 feet in front of the post. From this data, we are able to extrapolate projected SPL at greater distances (assuming no obstructions).

To verify the validity of these measurements, they have been checked for self-consistency and they have been checked against measurements taken outdoors in 2010 with the same model speaker and post. In all cases, the SPLs check within ±1dB. Additionally, the NEXEO SPL was verified to be within ±1 dB of the EOS SPL.

SPL tests with AVC are made at a single position with different ambient noise levels in order to demonstrate and measure AVC function. This single position approximates the position of the drive-thru customer while placing an order. These measurements are made with continuous traffic noise supplied to large speakers at the back of the room to simulate ambient noise. Recorded voice is used to simulate order taker speech. These measurements are taken 46 inches above the floor and 48 inches from the post. Correction factors are then calculated to allow the SPL to be estimated at other positions and distances.

With AVC on, the NEXEO outbound volume setting determines the maximum output level that NEXEO can provide to the speaker. This has the effect of setting the volume cap under loud noise conditions. It does not change the outbound level under quiet conditions. For this reason, the outbound volume level should be set to the level required under the noisiest conditions.

Figure 1 is a graph showing plots of measured (out to 16 feet) and extrapolated (32 and 64 feet) SPL at various distances from the speaker post and at four different heights above the ground. Since the speaker is mounted 1.5 feet above the ground, the top curve represents the SPL directly in line with the speaker axis. From these plots, it is easy to see that the SPL drops approximately 5 dB every time the distance doubles when on axis. When off axis, the SPL curves are initially shallower but ultimately approach the 5 dB curve as the distance increases. If the speaker were mounted at a different height in a similar enclosure, the top curve would

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Drive-Thru Sound Levels - NEXEO

represent the SPL at that height. For example, if the speaker were mounted at a height of 3 feet, this curve would represent the SPL at a height of 3 feet.

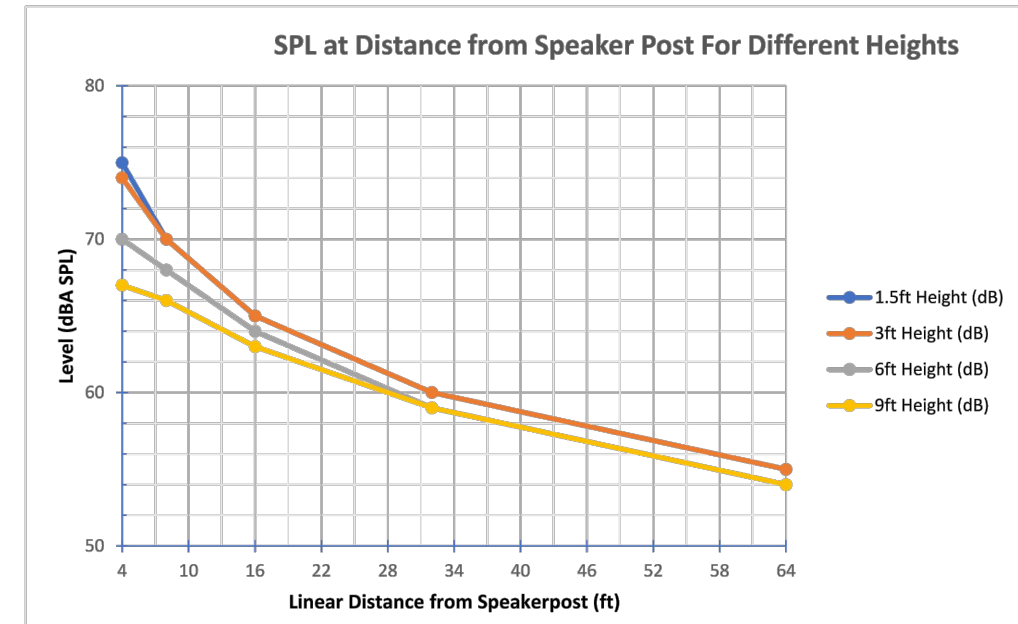


Figure 1 - Plots of SPL vs Distance at Various Heights

Figure 2 is a graph showing plots of measured SPL (at the 1.5-foot level) taken outdoors at specific distances up to 55 feet compared with measurements and extrapolations from the anechoic chamber. This graph shows the very close agreement between the outdoor measurements and the chamber measurements.

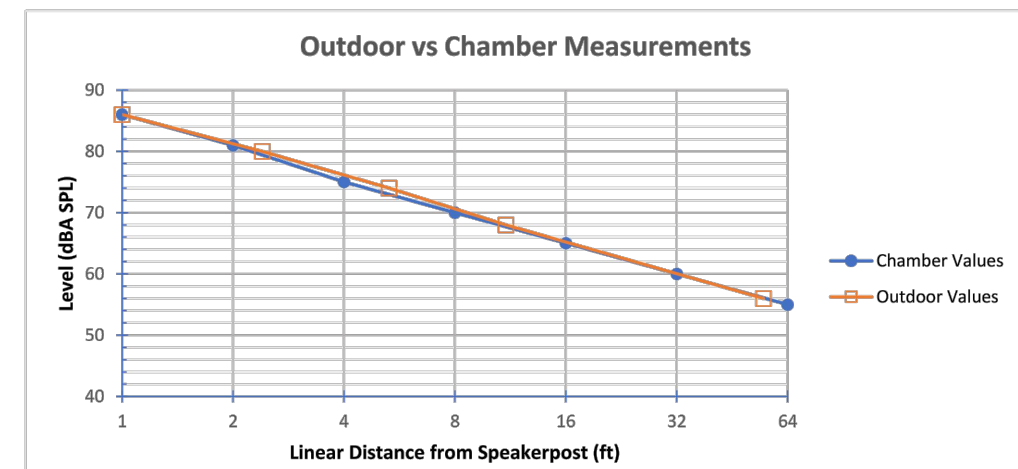


Figure 2 - Plots of SPL Measured Outdoors and in Anechoic Chamber

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Drive-Thru Sound Levels - NEXEO

AVC Operation

When AVC is turned on, the inbound microphone is used to measure the ambient noise level in the drive-thru and adjust the outbound level down so that it is never more than 12 dB above the ambient noise level at the calibration point. This is particularly useful at night when there is less traffic on surrounding streets and fewer cars in the drive-thru. It may also be useful in situations where the regulations do not specify specific sound pressure levels but use terms like "reasonable" or "sufficient". Because AVC adjusts continuously, it ensures that the outbound level changes as the conditions change.

AVC is calibrated to adjust the SPL as measured at a point near the expected location of the customer. SPL measurements have been taken at a point 46 inches above the ground and 48 inches in front of the post. Figures 3 and 4 are based on these measurements.

Since AVC adjusts based on the noise level measured at the speaker post, a noisy vehicle will drive the outbound level up. Thus, the use of AVC will not guarantee that the SPL is below any particular level for all vehicles or conditions. However, it will keep the outbound level from becoming excessively loud.

The maximum outbound SPL is always determined by the outbound volume slider whether AVC is on or off. Thus, when the AVC is on the outbound level will always be less than or equal to the level with the AVC off. AVC is designed to operate at any volume slider setting. That means that the outbound level during a quiet period will be the same whether the slider is at "12" or "20". When AVC is on, the slider sets the Maximum level rather than the absolute level. The measurements and plots shown in this document were taken with the volume slider at "20". This is the recommended setting for NEXEO when AVC is enabled.

Figure 3 is a graph of the relative difference between the outbound SPL from the speaker and the ambient noise level at different distances from the speakerpost. Each curve represents a different ambient noise level, and these curves assume that the ambient level is consistent throughout the measurement area. In the tested configuration, the outbound SPL was always less than the ambient level at distances greater than 30 ft from the speakerpost.

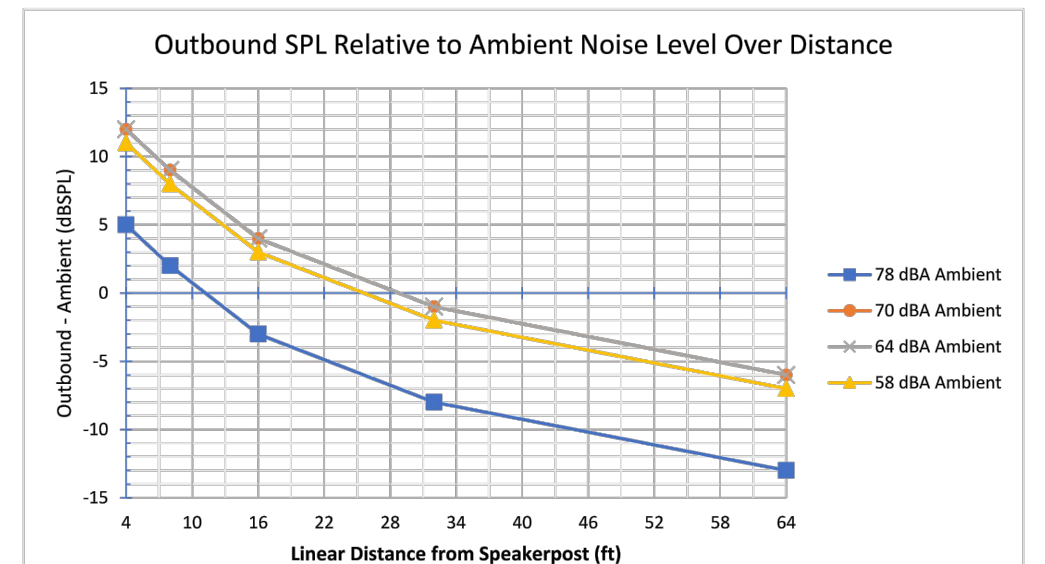


Figure 3 - Outbound Level Relative to Ambient for Various Ambient Noise Levels

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Drive-Thru Sound Levels - NEXEO

Figure 4 is a graph of the total SPL (ambient noise plus outbound audio) measured at different distances. These curves show that at distances greater than 30 feet, the contribution of the outbound audio to the overall ambient level is minimal.

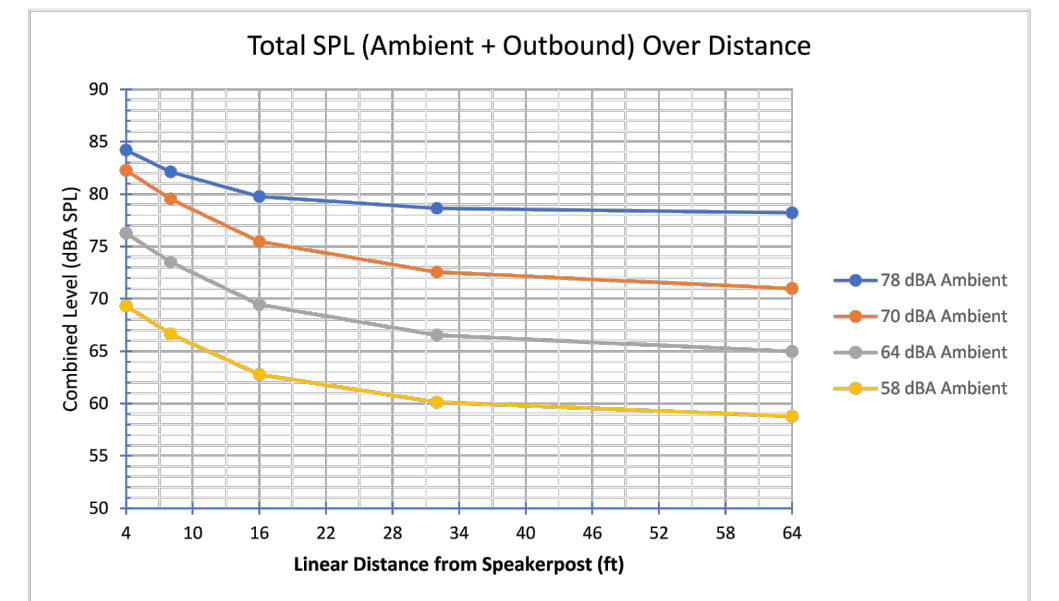


Figure 4 - Total Sound Pressure Level at Distance

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Drive-Thru Sound Levels - NEXEO

SPL Estimation Guidelines

HME cannot provide guarantees of SPL in specific situations. Only on-site measurements can confirm sound pressure levels at any particular location. However, these measurements can help predict general values. When there are cars in the vicinity of the speaker post, they will block and reflect sound in various ways and while they will change the direction that the sound travels, they will not increase the SPL higher than it would be on the main axis of the speaker. Echoes from surrounding buildings can cause sounds to reinforce each other in unpredictable ways. It is beyond the scope of this paper to make any predictions of SPL when there are buildings closer than 100 feet or so.

The equations presented here can be used along with the graphs to make estimations of SPL at other distances and under other ambient noise conditions. They depend on various assumptions and should only be used for making estimates.

NEXEO Volume Correction

All measurements except for those using AVC have been taken with the outbound volume set to the default setting of 12. The table below gives correction factors for the outbound SPL given different volume slider settings. The correction factor should be added to the plotted outbound SPL to get the expected SPL for that volume setting.

Slider Setting	0	1	2	3	4	5	6	7	8	9	10
Correction Factor	-18dB	-17dB	-15dB	-13dB	-11dB	-9dB	-7dB	-6dB	-5dB	-4dB	-2dB
Slider Setting	11	12	13	14	15	16	17	18	19	20	
Correction Factor	-1dB	0dB	1dB	2dB	4dB	5dB	6dB	7dB	8dB	10dB	

Table 1 - SPL Correction Factors

Estimating SPL (no AVC)

When AVC is off, the outbound level from the speaker will depend only on the voice of the individual headset user. The measurements here all assume a loud headset user near the upper limit of the system's capability. Using the graph of Figure 1, it is possible to estimate the SPL at various heights and distances within a few dB. At distances less than 16 ft, it is best to approximate the level by estimating where the point would be on the graph. For distances greater than 16 ft, it is reasonable to assume that the level will decrease by 5 dB each time the distance doubles. The predicted SPL at some distance beyond 64 ft would be given by this equation:

$$SPL = 55 - (5 \times \frac{\log(d)}{\log 2})$$

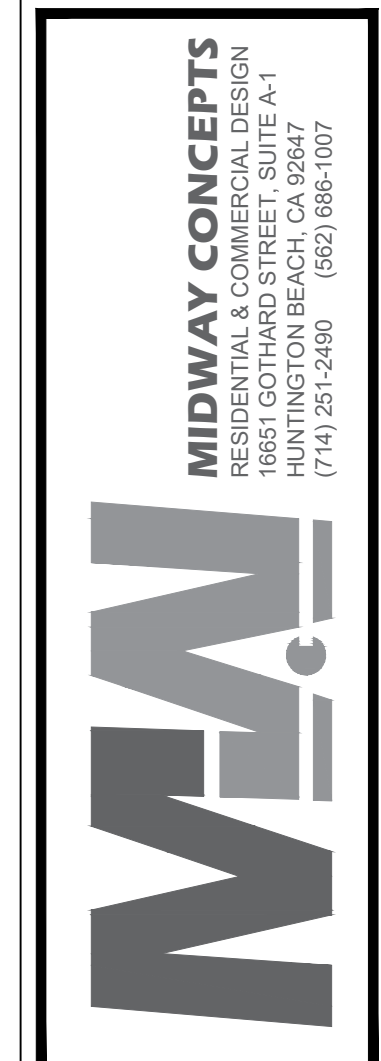
where d is the distance in ft

Thus, the estimated SPL at 100 ft is $55 - (5 \times \frac{\log(100)}{\log 2}) = 52$ dBA.

Estimating Outbound Level with AVC Active

When AVC is on, the outbound level will adjust based on the ambient noise level as measured by the inbound microphone. Given a configuration where the microphone is located approximately 28 inches above the speaker, the approximate outbound SPL above Ambient can be estimated from the graph in Figure 3. The total combined SPL can be estimated from the graph in Figure 4.

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REV.	DESCRIPTION	DATE
A		

PROJECT: 7LEAVES CAFE
101 W. IMPERIAL HWY
LA HABRA, CA 90631

SHEET TITLE: MENU BOARD SPECS

DESIGNER TN / EL
SIGNATURE
CONSULTANT
DATE 06-25-2024
JOB NO. 24-06
SHEET
MB
OF X SHEETS