Proposed Main Menu Board

- 5’ 11 ½” tall
- 4’10” wide
- 19.97 sq. ft. in display area

Proposed Pre-Browse Board

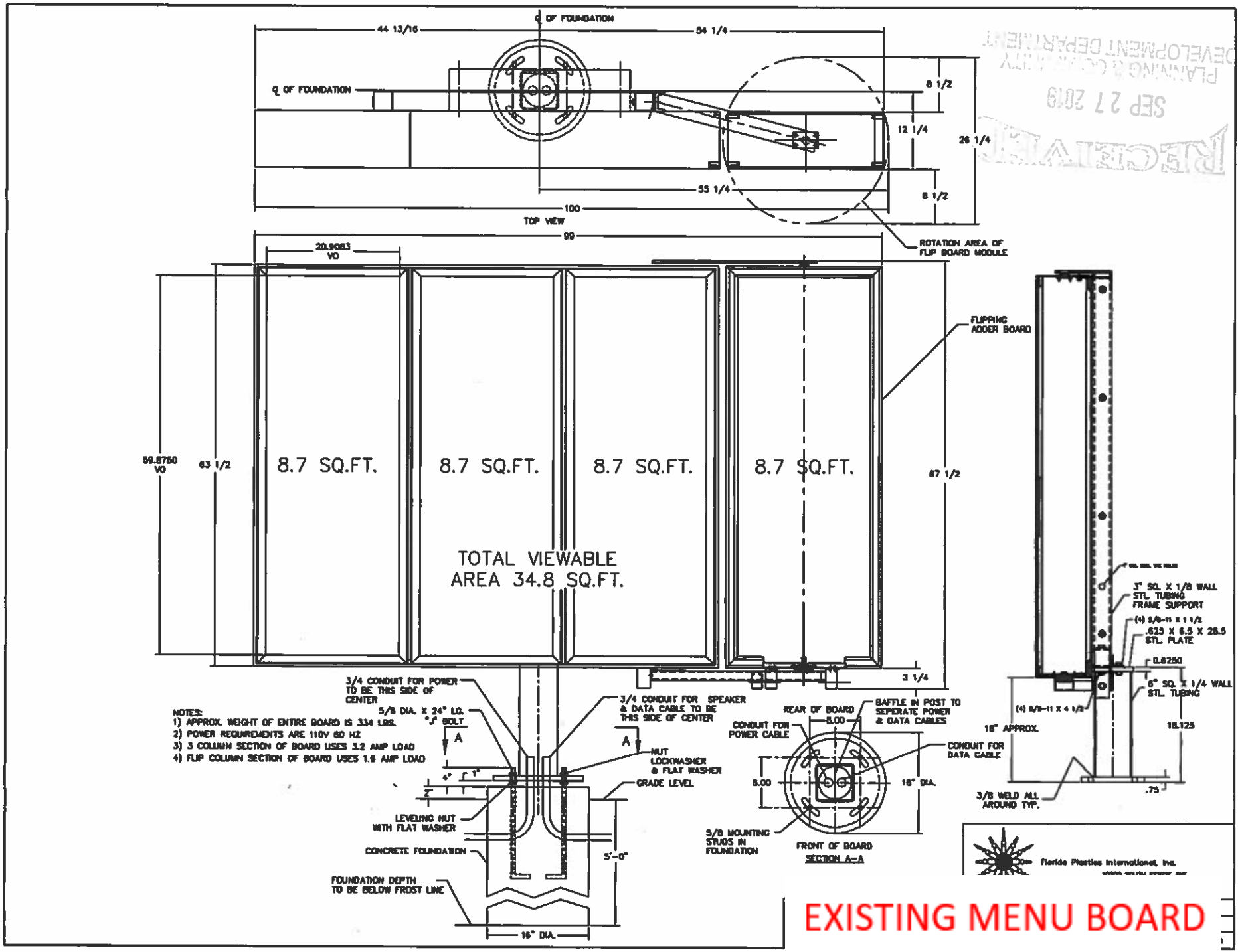
- 5’ 11 ½” tall
- 2’5 1/8” wide
- 9.98 sq. ft. in display area

Current Menu Board

- 6’ 9 ½ “ tall
- 8’ 3” wide
- 43.66 sq. ft. in display area
- All measurements do not include toppers

Current Drive-Thru

EXISTING MENU BOARD



EXISTING MENU BOARD


No artificial flavors, preservatives or colors
10 pc. Chicken McNuggets®
Lunchtime powerhouse
Coca-Cola
Big Mac®
Hot and deliciously juicy
FRESH BEEF
100% fresh beef
Quarter Pounder® with Cheese
Double Quarter Pounder® with Cheese
PROPOSED ELECTRONIC PRE-SELL MENU BOARD

PROPOSED ELECTRONIC MENU BOARD

ORDER HERE

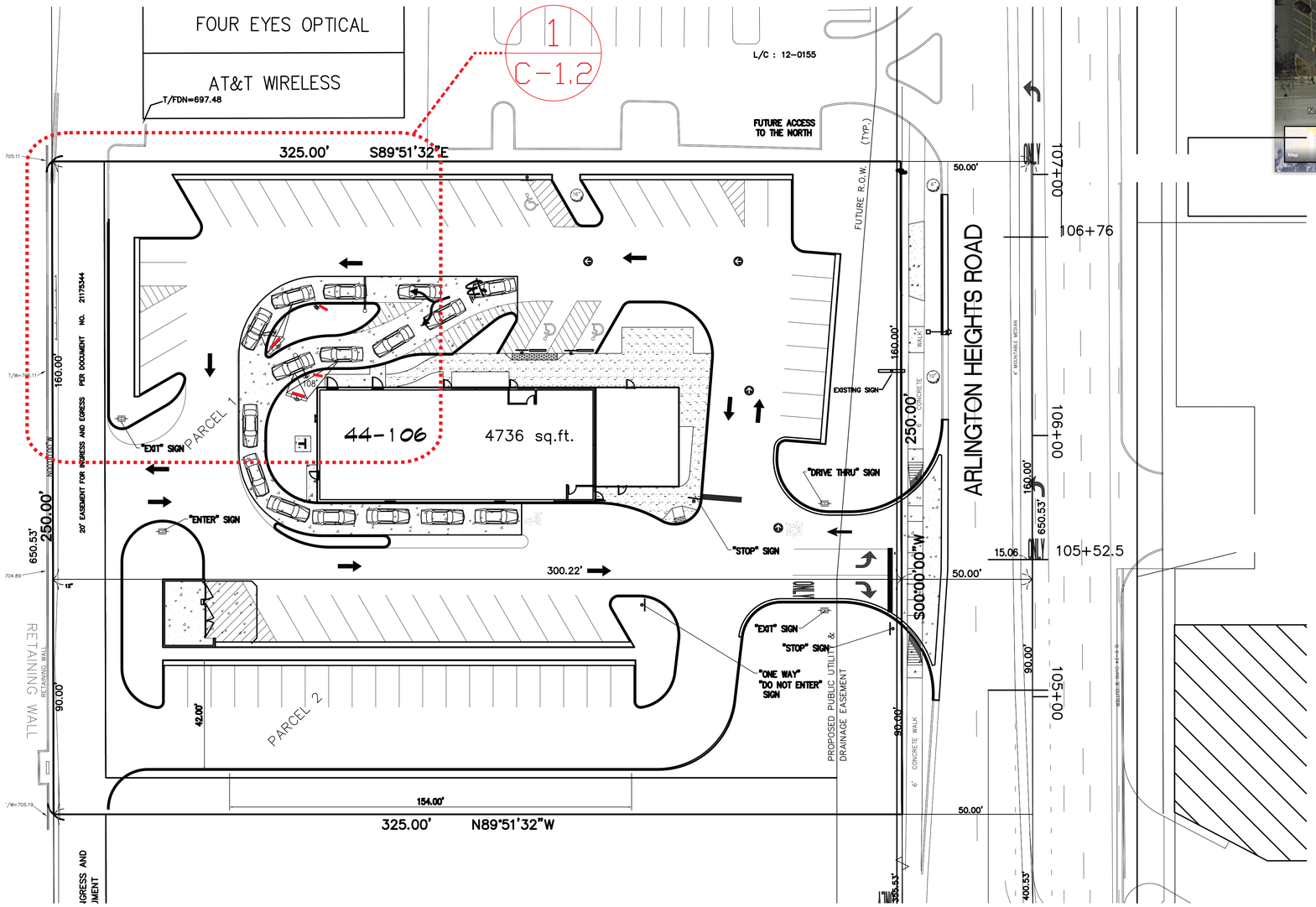
Customers With Speech or Hearing Difficulties Please Pull Up To The Next Open Window For Assistance In Ordering.

Thank you.

Clientes con dificultades auditivas o del habla favor de pasar a la próxima ventanilla abierta para ayudarle con su orden.

Gracias

EXISTING ORDER SPEAKER TO REMAIN



1 McDonald's Site Plan
SCALE: N.T.S

2 Aerial View
SCALE: N.T.S

NO.	DATE
1	5-14-19

New Placement Menu Boards

Prepared For:

McDONALD'S

Prepared By:

CHECKED BY:	
DESIGN BY:	
DRAWN BY:	
DATE:	
SCALE:	
PROJECT NO.:	

C-1

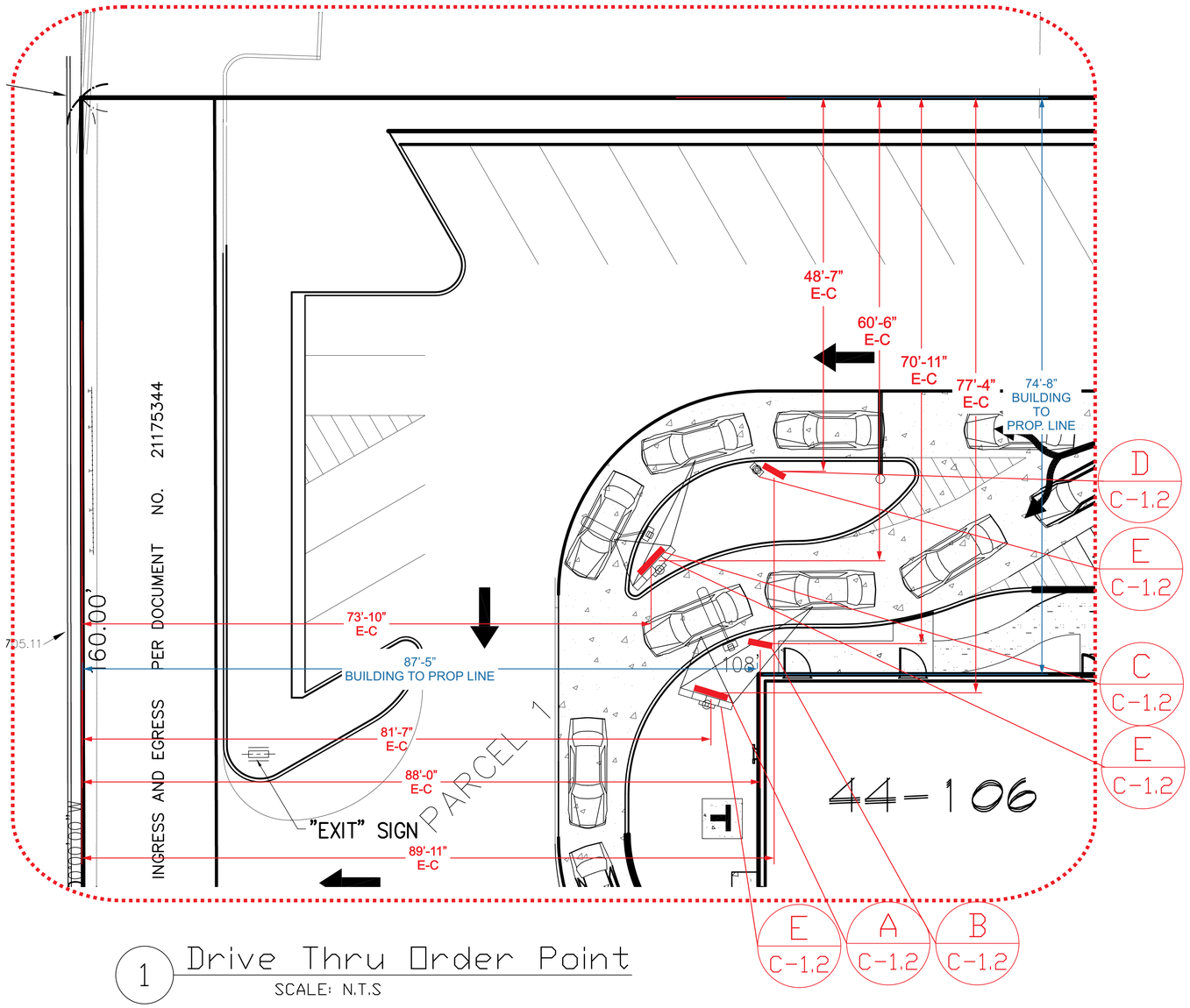
BUILDING/ELECTRICAL/MECHANICAL COMMENTS:

MENU BOARD IS ELECTRIFIED, USING EXISTING DEDICATED 20AMP CIRCUIT FOR EACH D/T LANE AN WILL HAVE ISOLATED GROUNDS.

CONDUIT: EXISTING TO HOME RUN IS 2". NEW FEEDER WILL BE 3/4" FOR LINE VOLTAGE. ALL CONDUIT EXISTING WILL BE SCHEDULE 40PVC UNDERGROUND.

LINE VOLTAGE WIRING: 4#12 &1312 GND &1#12 ISOLATED GND TO EXISTING PANEL FOR ISOLATED GROUND POWER TO MENU BOARDS

LOW VOLTAGE CABLING: CAT-6 OUTDOOR & UNDERGROUND RATED BELKIN CABLING TO EXISTING NETWORK DATE SWITCH FOR COMMUNICATION TO MENU BOARDS.



1 Drive Thru Order Point

SCALE: N.T.S

A) NEW LANE 1 MENU BOARD INSTALLATION-REMOVE OLD BOARD

SCREEN DIMS: 4'-10"W x 4'-1 5/8"H x 1'-1 1/2"D

TOTAL BOARD HEIGHT (WITH BASE): 5'-11 5/8"H

MINIMUM SETBACK FROM PUBLIC WAY: 40'

NEW SCREEN SQUARE FOOTAGE: 20'

OLD SCREEN SQUARE FOOTAGE: 43'

Double Screen

B) NEW LANE 1 PRESELL INSTALLATION-REMOVE EXISTING PRESELL

SCREEN DIMS: 2'-5"W x 4'-1 3/4"H x 1'-1 13/16"D

TOTAL BOARD HEIGHT (WITH BASE): 5'-11 1/2"H

MINIMUM SETBACK FROM PUBLIC WAY: 40'

NEW SCREEN SQUARE FOOTAGE: 10'

Single Screen

C) NEW LANE 2 MENU BOARD INSTALLATION-REMOVE OLD BOARD

SCREEN DIMS: 4'-10"W x 4'-1 5/8"H x 1'-1 1/2"D

TOTAL BOARD HEIGHT (WITH BASE): 5'-11 5/8"H

MINIMUM SETBACK FROM PUBLIC WAY: 40'

NEW SCREEN SQUARE FOOTAGE: 20'

OLD SCREEN SQUARE FOOTAGE: 43'

Double Screen

D) NEW LANE 2 PRESELL INSTALLATION-NO EXISTING PRESELL

SCREEN DIMS: 2'-5"W x 4'-1 3/4"H x 1'-1 13/16"D

TOTAL BOARD HEIGHT (WITH BASE): 5'-11 1/2"H

MINIMUM SETBACK FROM PUBLIC WAY: 40'

NEW SCREEN SQUARE FOOTAGE: 10'

Single Screen

E) EXISTING DRIVE-THRU EQUIPMENT TO BE REMOVED

DATE 5-14-19

NO. 1 New Placement Menu Boards

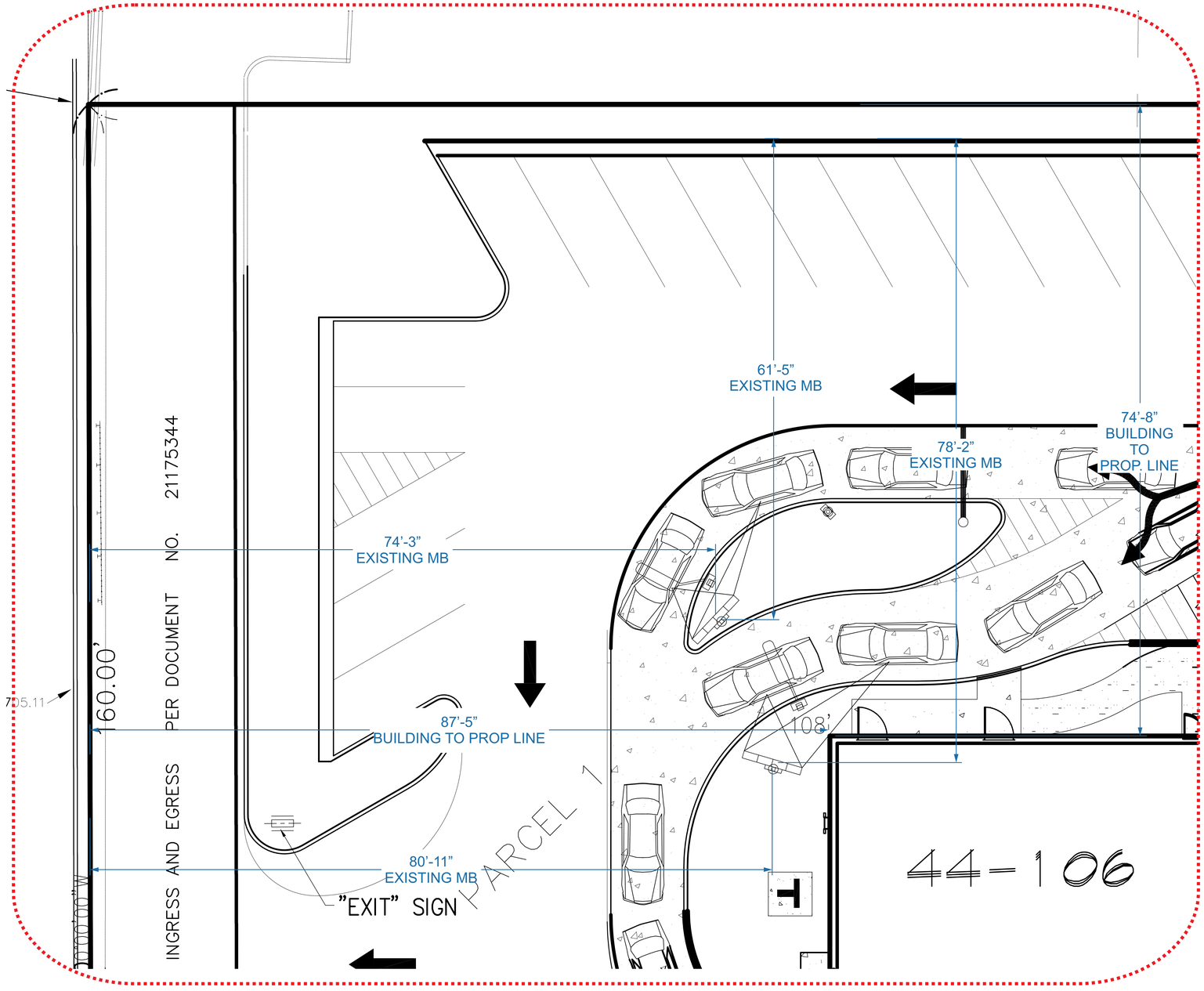
Prepared For:

McDONALD'S

Prepared By:

CHECKED BY:
DESIGN BY:
DRAWN BY:
DATE:
SCALE:
PROJECT NO.:

C-1.2



3 Existing Drive Thru Order Point

SCALE: N.T.S

NO.	DATE
2	9-26-19

REVISE DWG

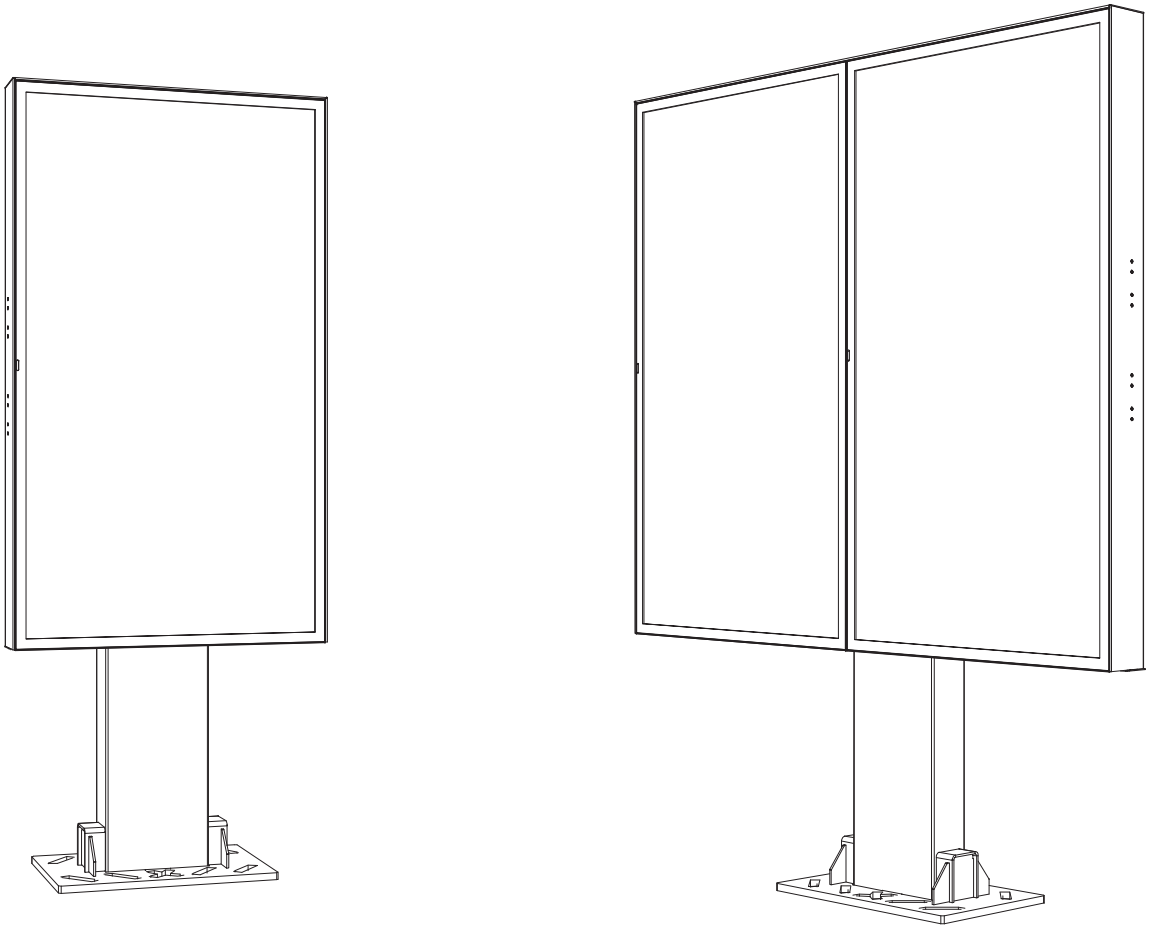
Prepared For:

McDONALD'S

Prepared By:

CHECKED BY:
DESIGN BY:
DRAWN BY:
DATE:
SCALE:
PROJECT NO.:

C-1.3



55” Outdoor digital menuboard

02-55-2S/D Outdoor Menu Board

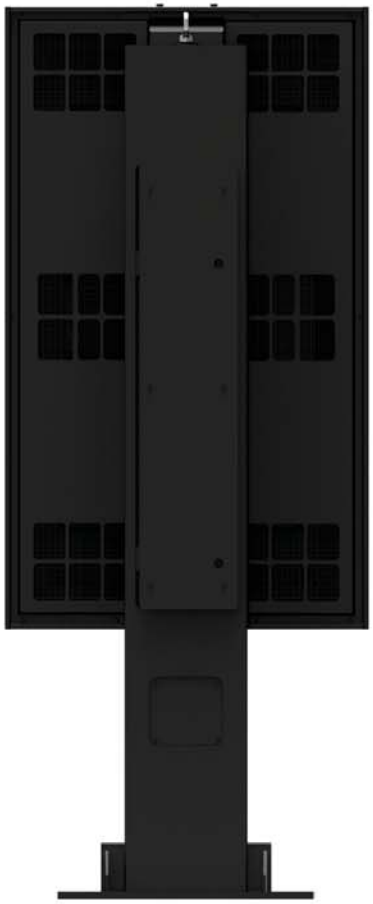
Permitting Unit Information

Version 1.0

Coates ODMB

Single screen unit

Area of display

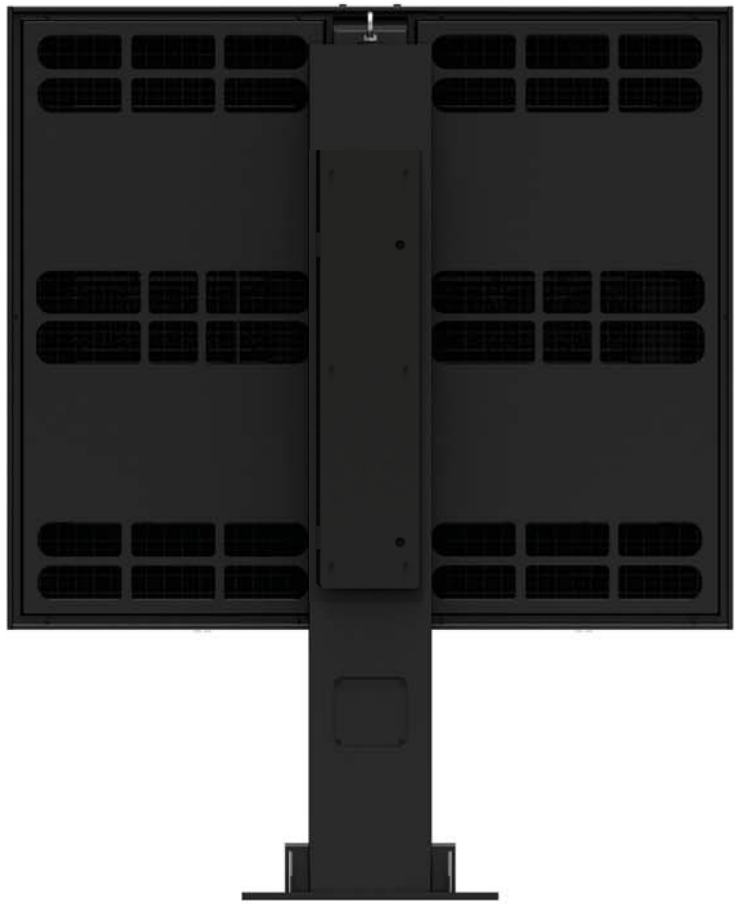


Coates ODMB

Double screen unit

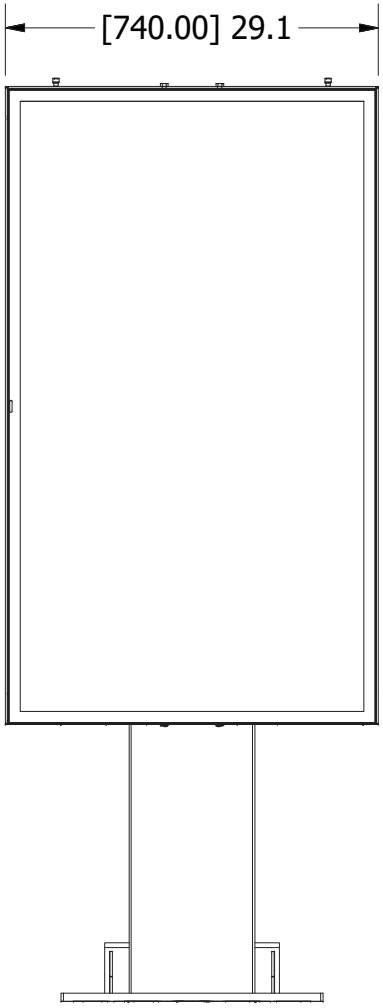
Area of display

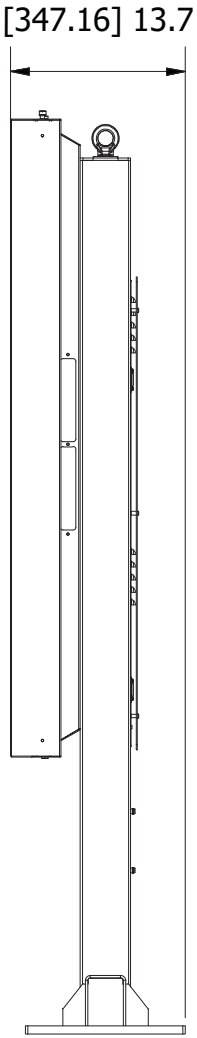
Area of display

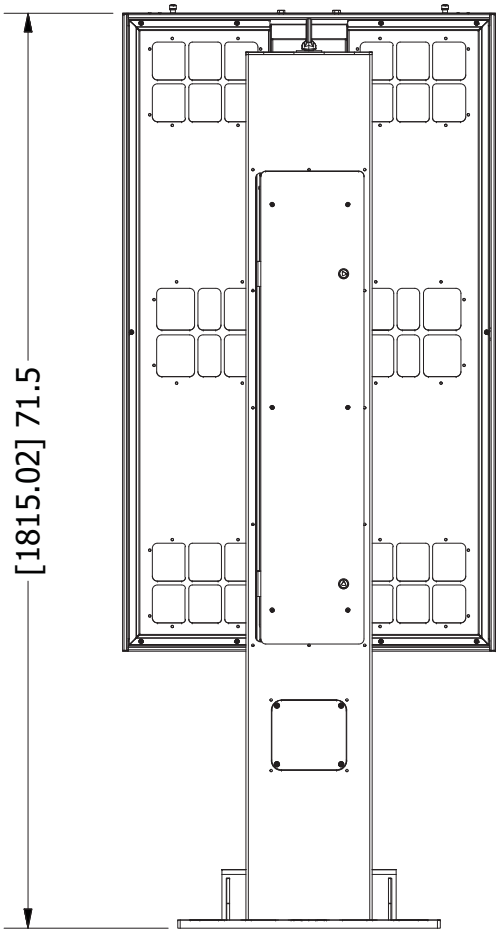


Coates ODMB

Single screen unit

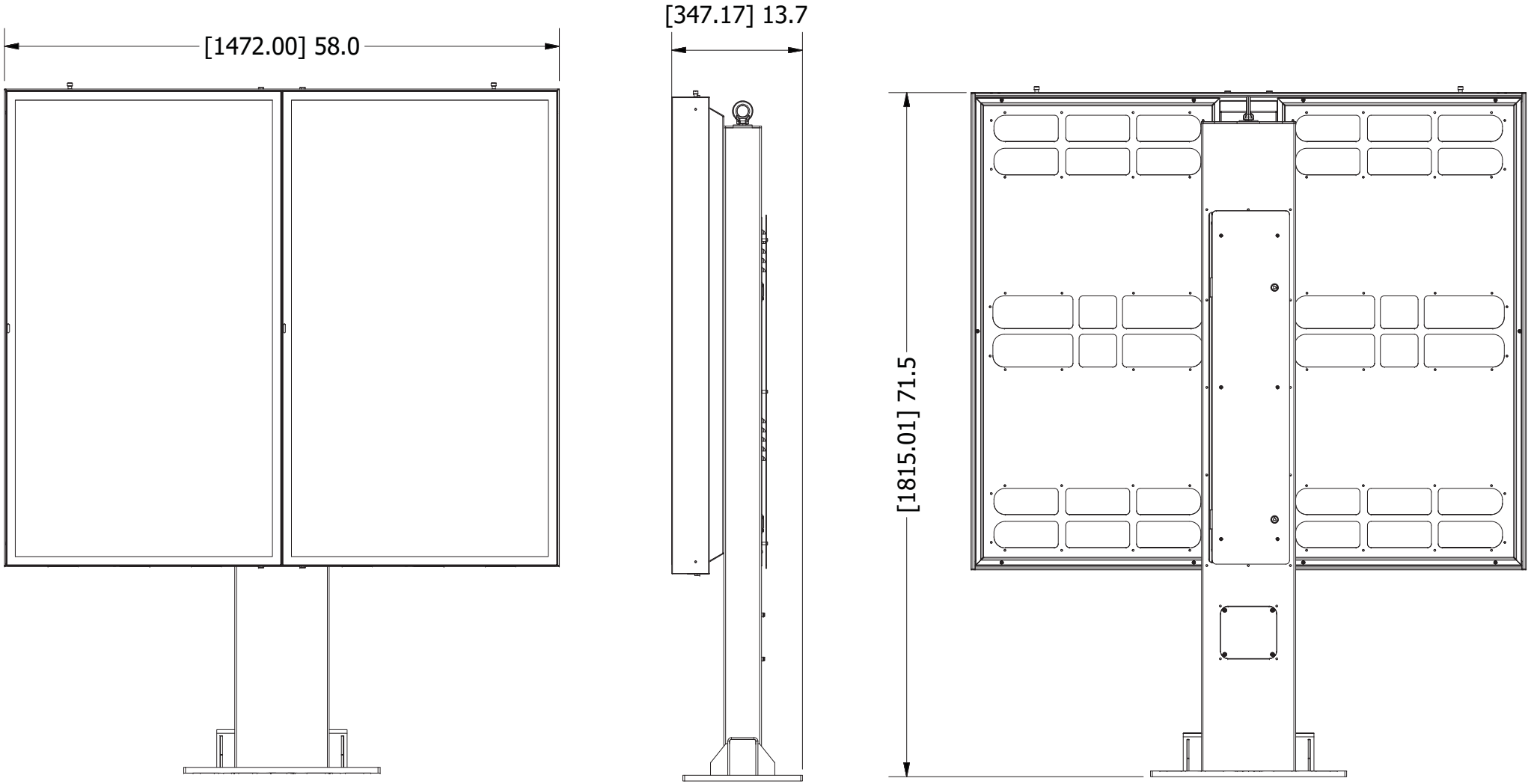






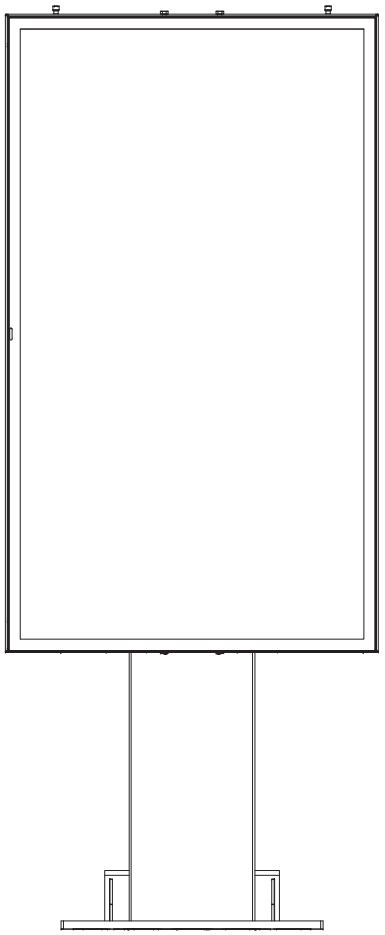
Coates ODMB

Double screen unit

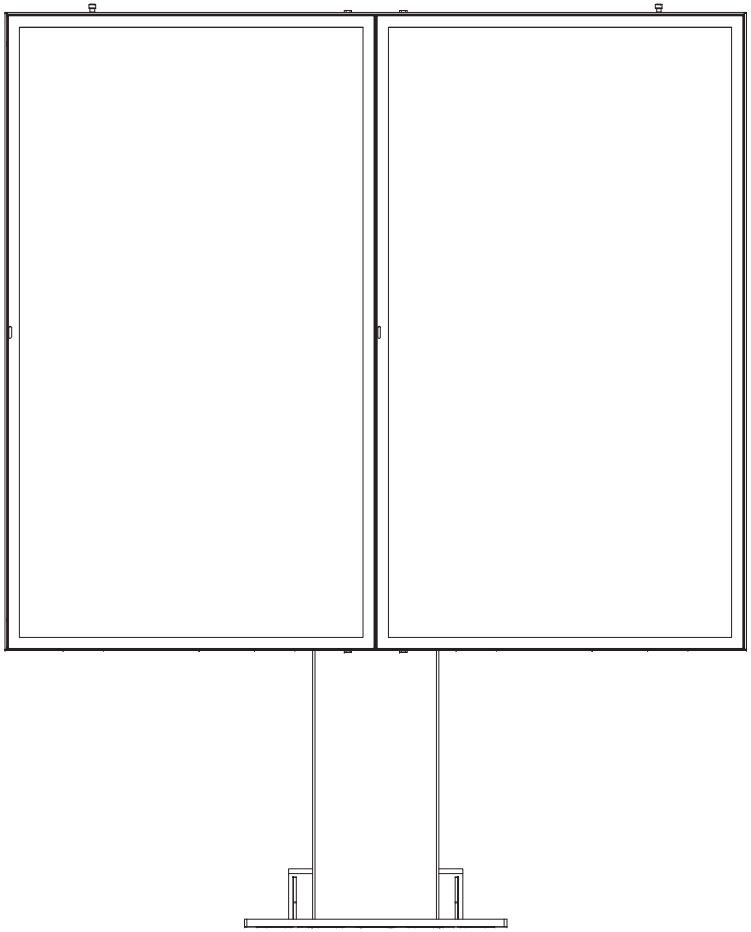


Coates ODMB

Power draw



Max potential draw 5.7A @110V



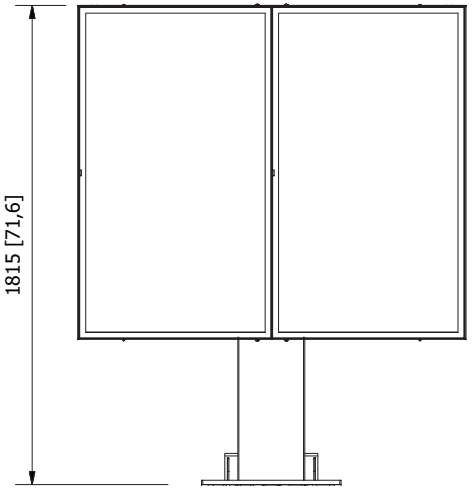
Max potential draw 9.8A @110V

UL48 Electric sign

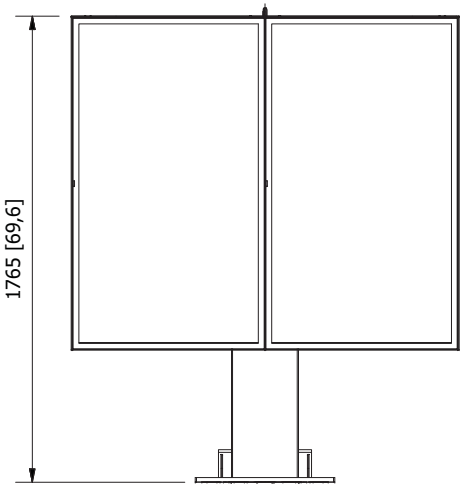
Coates ODMB
Height variations

Existing design has multiple fixture points already built in for brackets and screens allow for lowering in 2 additional increments.

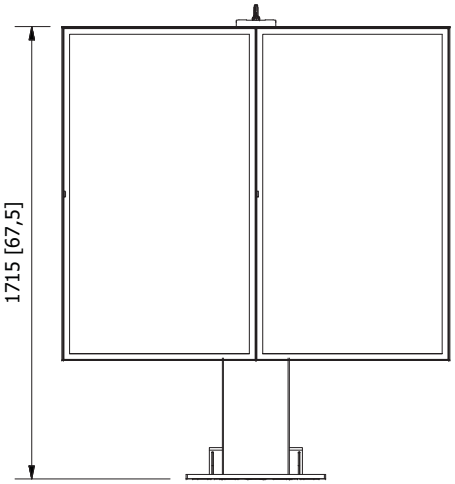
Coates standard height to meet McD screen height requirements



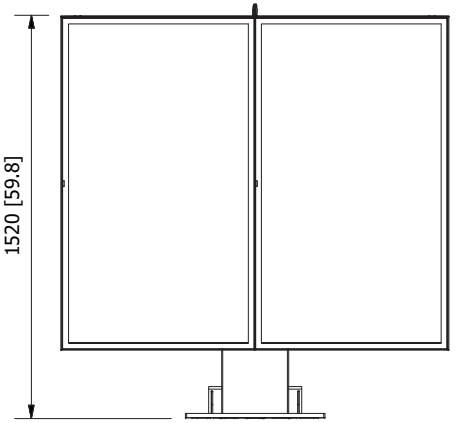
1st alternate fixture points allow 50mm/2” drop



2nd alternate fixture points allow 100mm/4” drop



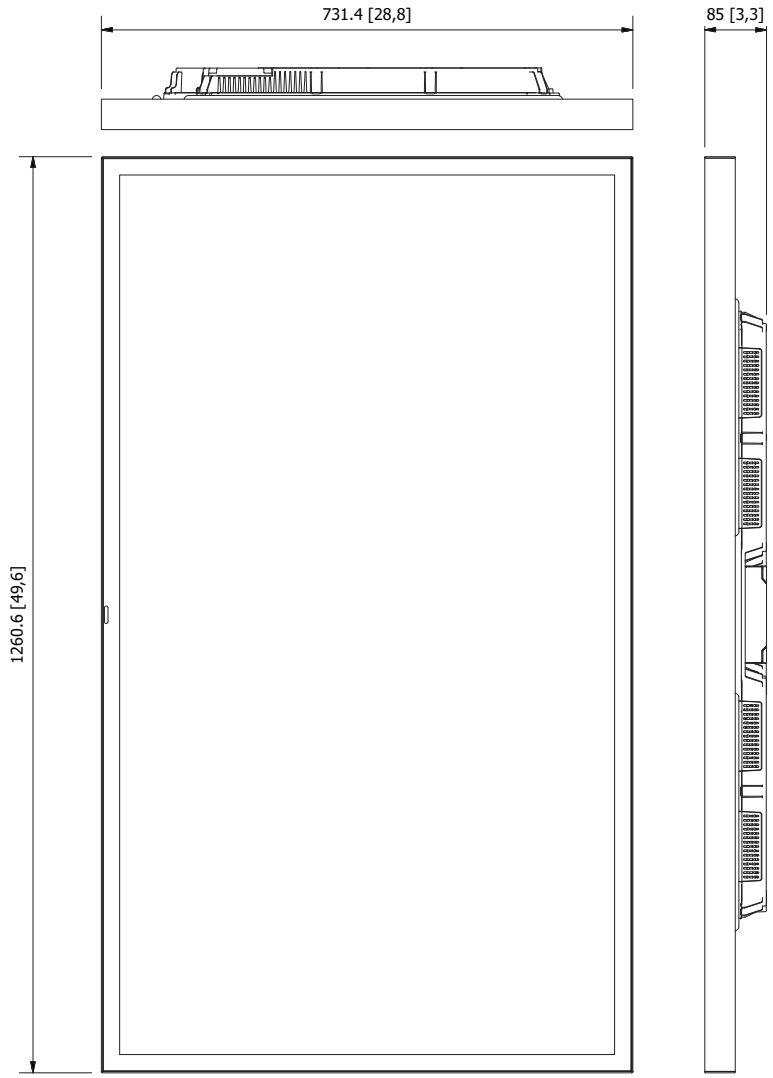
Lower central pole for 10” + drop



Current Unit

New Pole

Display specification



Samsung 55OHF

Diagonal Size	**55"**
Brightness	**2500 NIT**
Weight	**52.6 Kg [118.2 lbs]**
Mechanical Specification	
Glass	**5T Tempered Glass**
Bezel Width	**24.9mm [0.98"]**
Operation Temperature	**-40℃~50 ℃[-40 F ~ 122 F]**
Certification	**UL : CUL60950-1 (GO)**

Display specification
Lumen output

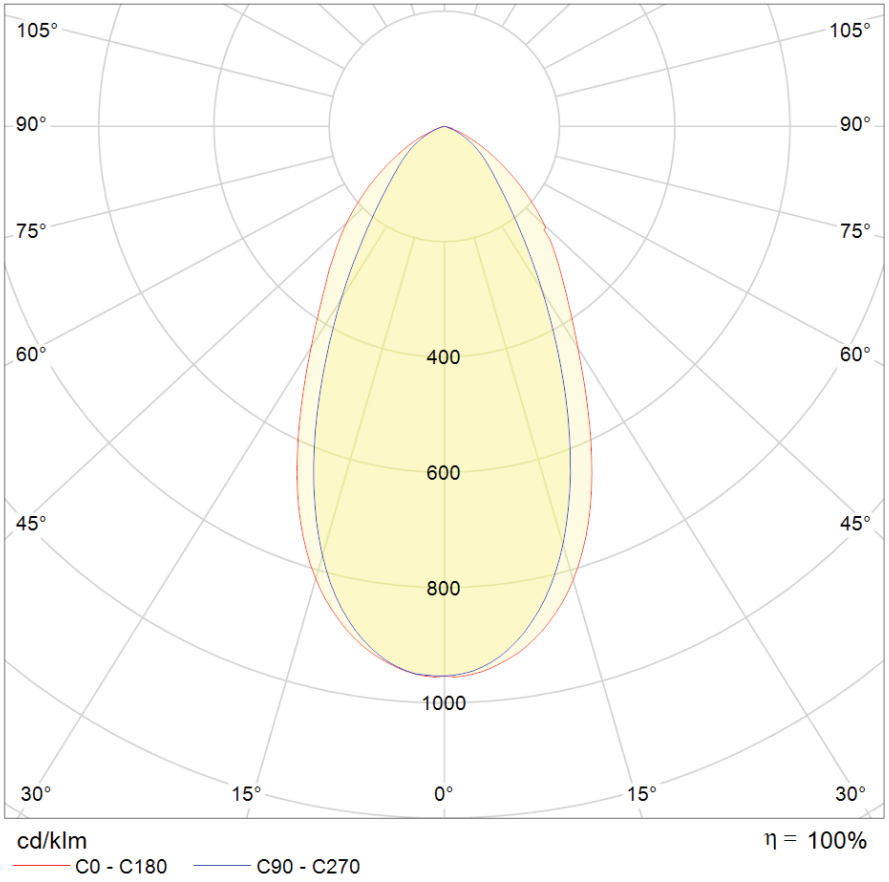


Fig 1.0

The attached is the max potential light output of the screen (see accompanying IES file)

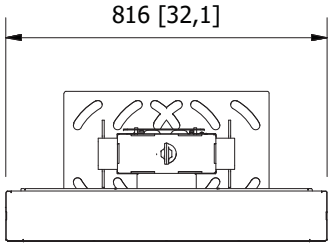
The units have inbuilt ambient light sensors

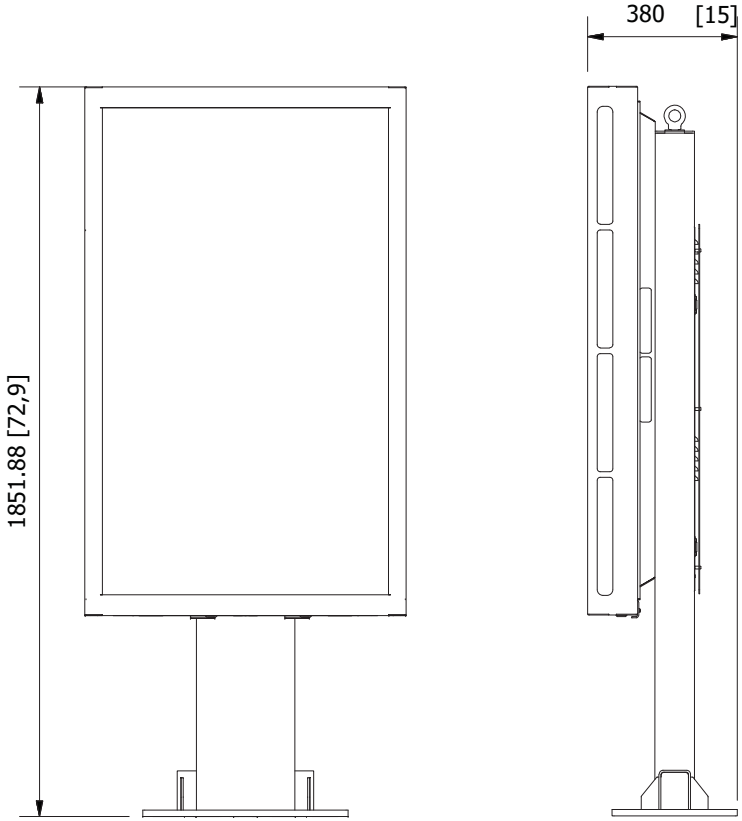
These light sensors dim the brightness of the screen based on the light surrounding it

The screens can dim from full brightness 2500nit (Fig1.) all the way down to 500nit to prevent excessive output (glare) in low light and night time environments

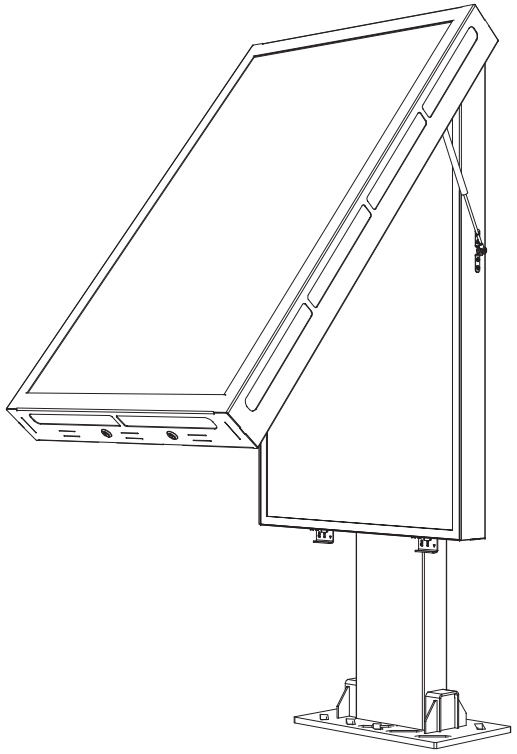
Coates ODMB

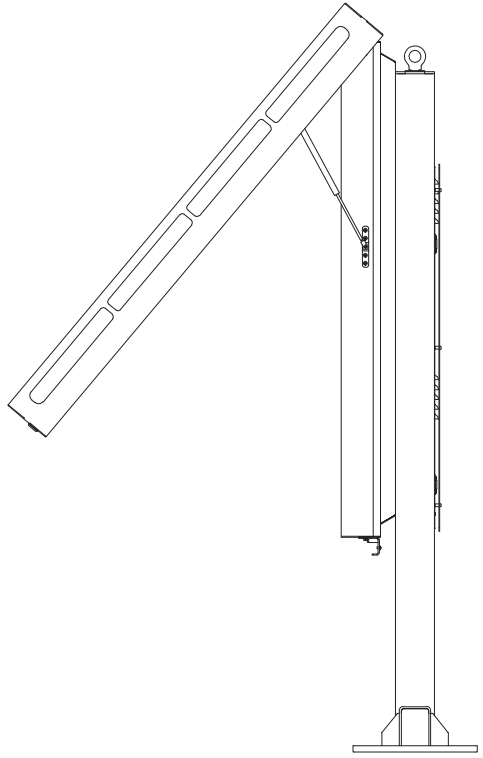
Single with additional security glass





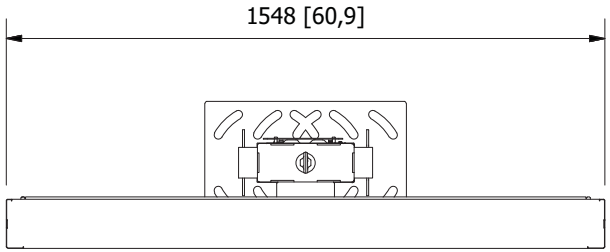
Optional tempered glass security cover
6mm tempered glass

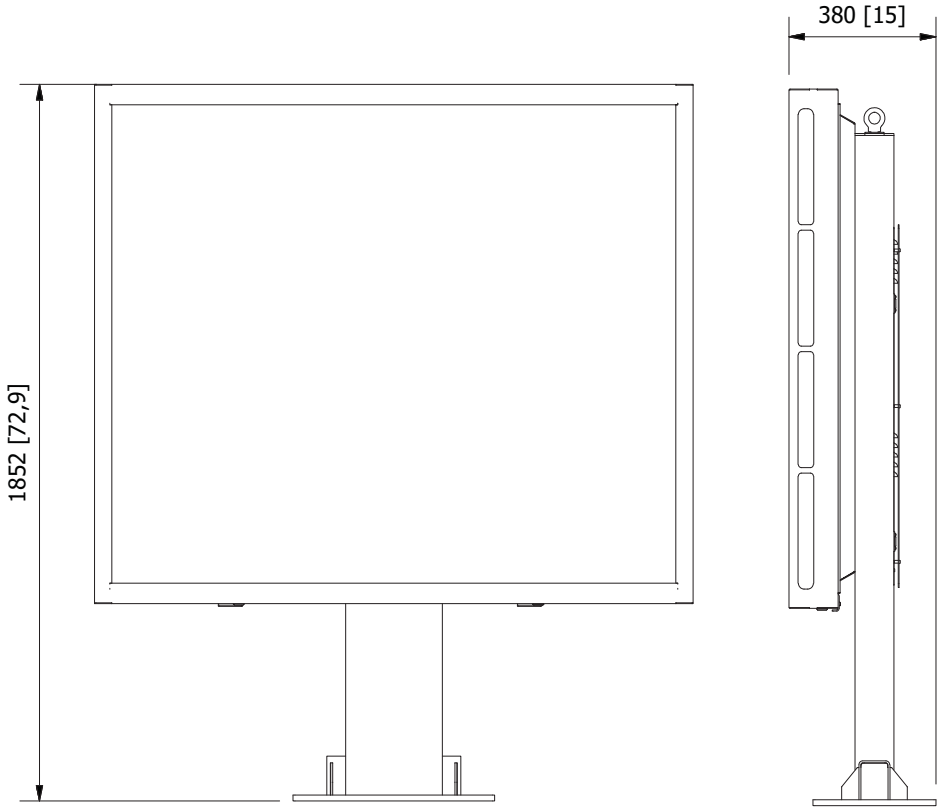




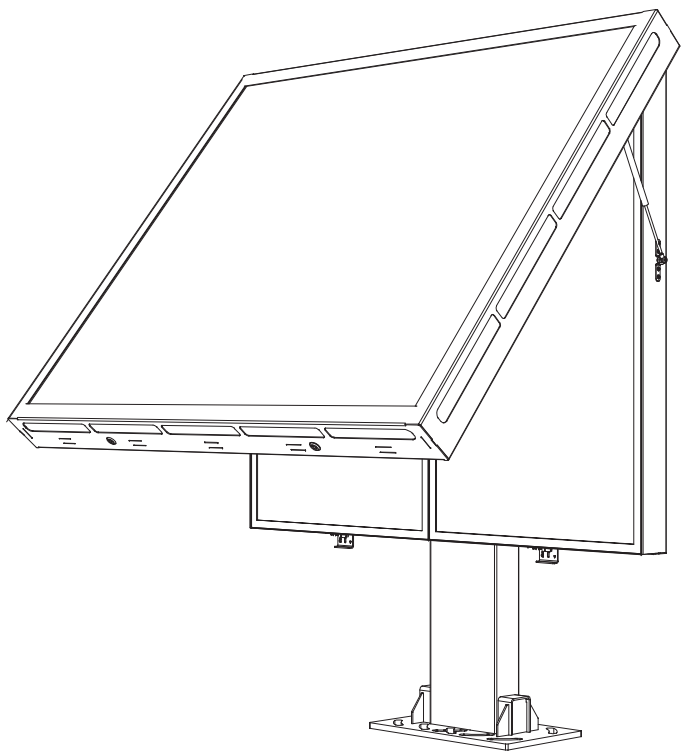
Coates ODMB

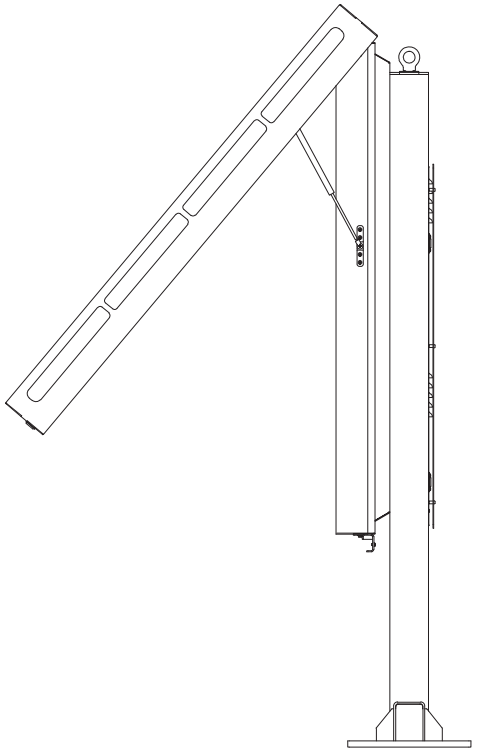
Double with additional security glass





Optional tempered glass security cover
6mm tempered glass



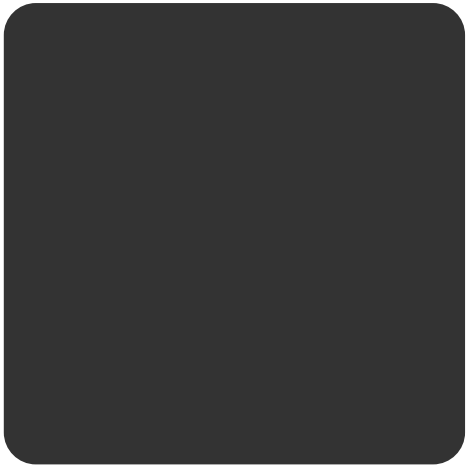


Coates ODMB

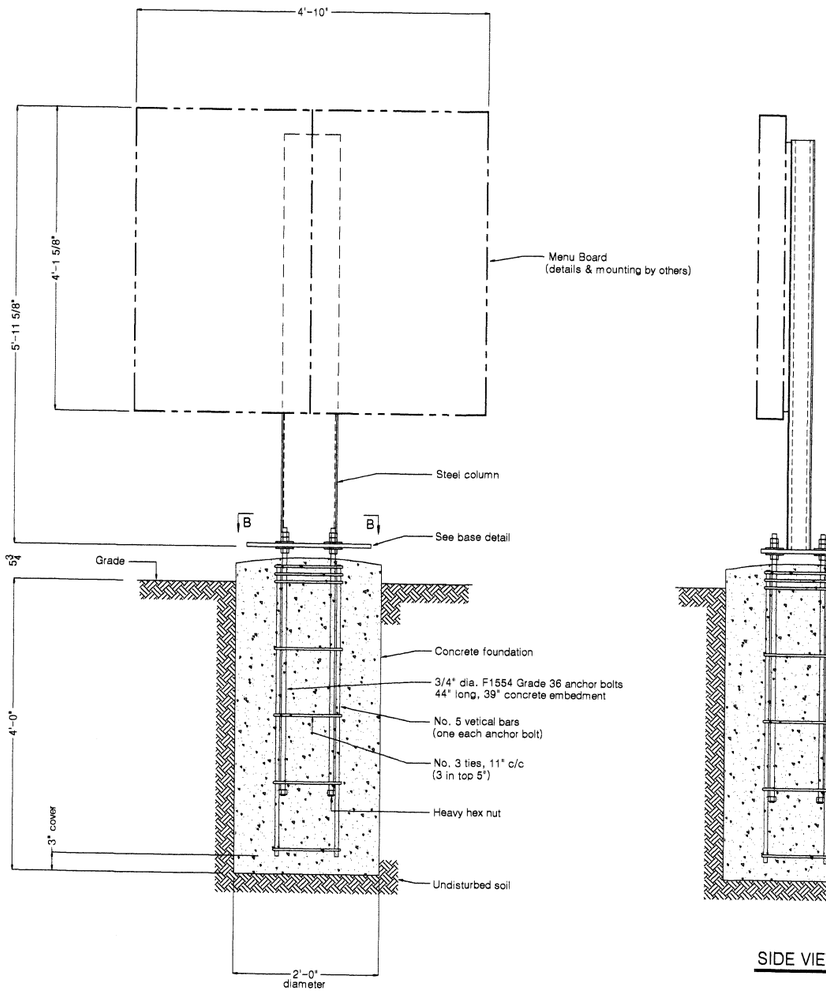
Additional security glass

Coates ODMB

Color specification

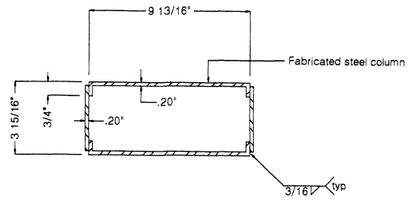


Unit powder coat color Coates dark grey
Match Pantone: 446C
Gloss specification: 7-12 units @60deg

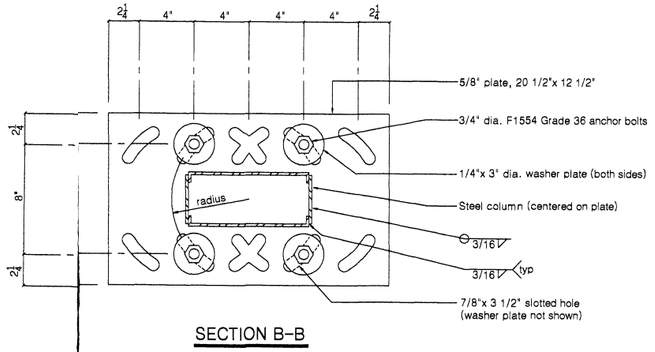


MENU BOARD ELEVATION

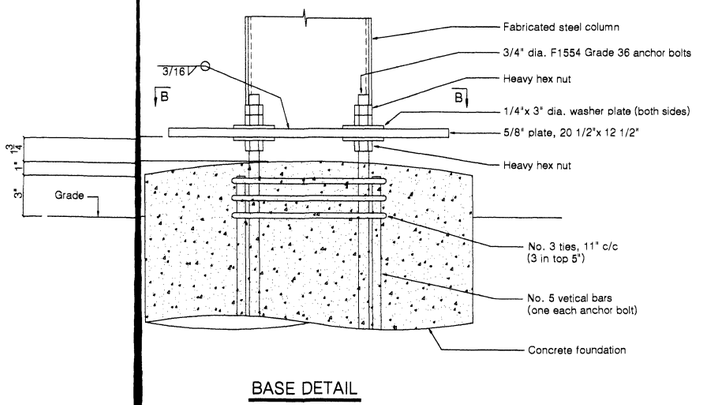
SIDE VIEW



STEEL COLUMN DETAIL



SECTION B-B



BASE DETAIL

NOTES
- Structural design conforms to the 2012 International Building Code.
- Design standard is ASCE 7-10.

WIND
- Design winds - 105 mph. (3 sec. gust) Exposure C.
- Structure is classified risk category 1.
- Wind importance factor - Iw = 1.0
- Design wind pressure is 17.8 p.s.f.

SEISMIC
- Seismic load importance factor: I_E = 1.0
- Structure is classified occupancy category 1.
- Mapped spectral response accelerations:
  - S_S = 0.087 g
  - S_1 = 0.125 g
- Site class : D
- Spectral response coefficients:
  - S_{DS} = 0.125
  - S_{D1} = 0.097
- Seismic design category is A.
- Seismic basic force resisting system:
  Non-buildings structure not similar to building - signs and billboards.
- Design base shear : .04 kips
- Seismic response coefficient: Cs = 0.04
- Response modification factor : R = 3.
- Analysis procedure used: Equivalent lateral force method.

STEEL
- Structural steel plate shall conform to ASTM A36.
- Bolt holes shall be the AISC standard size (unless noted otherwise).
- Steel shall be primed and painted, except for the embedded portions of members.
- Steel welding shall be in accordance with AWS standards.
- Steel members and elements of the structure shall be fabricated and erected according to the latest AISC specifications and standard practice.

FOUNDATION & CONCRETE
- Concrete shall attain a 28-day compressive strength of f'c = 3000 p.s.i.
- Concrete reinforcing steel shall conform to ASTM A615 grade 60.
- Allowable lateral bearing of the soil profile is an assumed 150 p.s.f./ft.
- Type and structural character of the soil profile is to be confirmed with an investigation by others.

GENERAL
- The contractor shall verify all dimensions and conditions in the field and notify the engineer of any discrepancies.
- GRC Engineering, Inc. will not be supervising or monitoring the erection/installation of this structure .

LICENSED STRUCTURAL ENGINEER
GERALD R. CARSTENS
81-3856
STATE OF ILLINOIS

3-23-18

GRC
ENGINEERING, INC.
5544 W. 147TH STREET
OAK FOREST, ILLINOIS 60452
708.489.0400

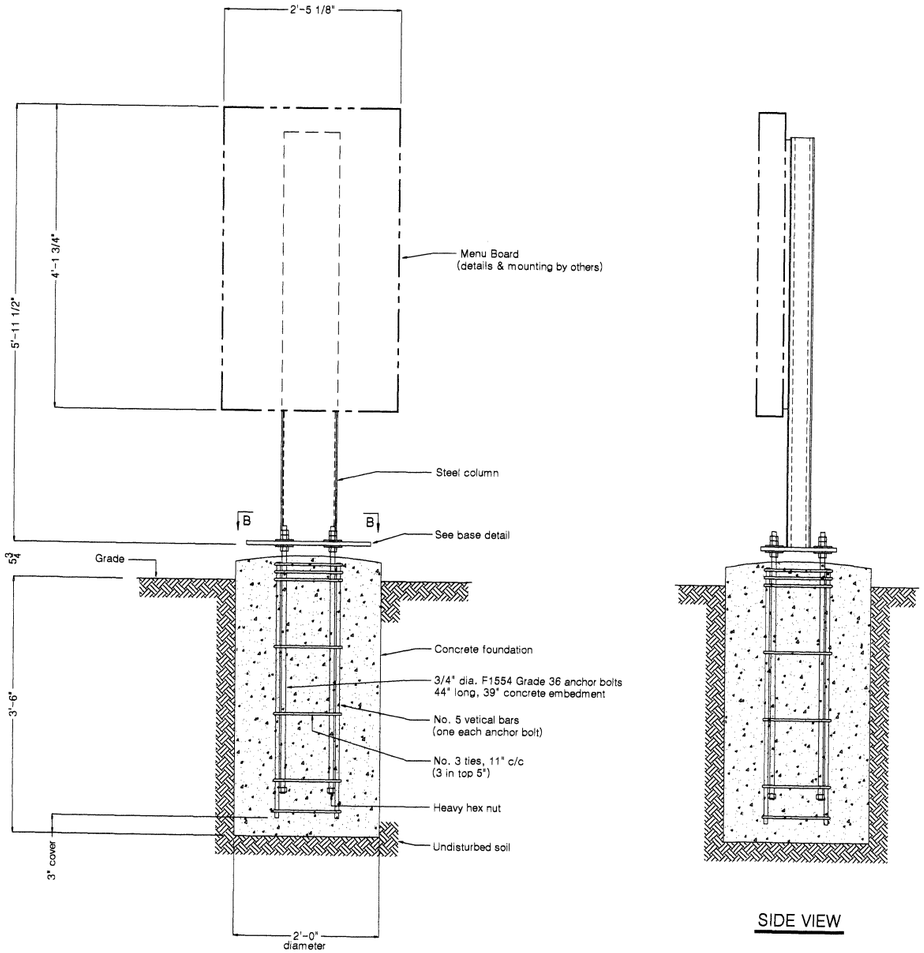
seal
Illinois Design Firm
184.003627

ENGINEER	kc	CAD	mc
ISSUE	DATE	REMARKS	
00	3-22-18	for approval	

KEYSER INDUSTRIES INC.
10200 South Kedzie Ave.
Evergreen Park, IL 60805

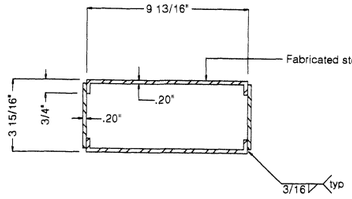
COLUMN & FOUNDATION
MCDONALD'S
DOUBLE FACE MENU BOARD
NS# 1783
1920 N. ARLINGTON HEIGHTS
ARLINGTON HEIGHTS, ILLINOIS

GRC NO. 18-130-124
DRAW. NO. NS# 1783-DF
SHEET 1 of 1



MENU BOARD ELEVATION

SIDE VIEW



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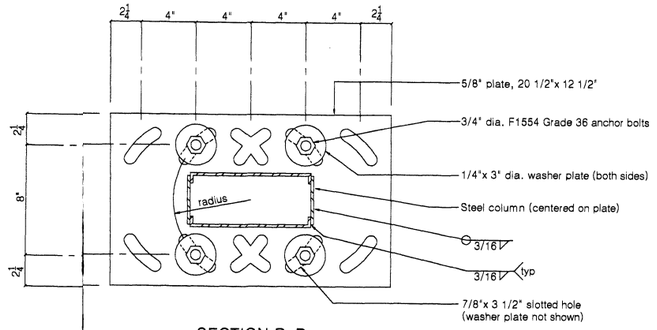
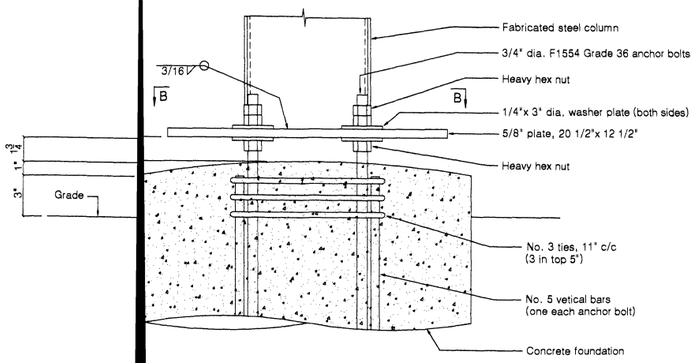


SECTION B-B



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- Spectral response coefficients:
  S_{DS} = 0.125
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- Seismic basic force resisting system:
  Non-buildings structure not similar to building - signs and billboards.
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- Seismic response coefficient: Cs = 0.04
- Response modification factor : R = 3.
- Analysis procedure used: Equivalent lateral force method.

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GERALD R. CARSTENS
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3-23-18

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seal
Illinois Design Firm
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ENGINEER	ISSUE	DATE	REMARKS
kc	00	3-22-18	for approval
CAD			
mc			

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SINGLE FACE MENU BOARD
NS# 1783
1920 N. ARLINGTON HEIGHTS
ARLINGTON HEIGHTS, ILLINOIS

GRC NO. 18-130-124
DRAW. NO. NS# 1783-SF
SHEET 1 of 1