

Stratus®

onestratus.com
888.503.1569

LOCATION NUMBER:

13

SITE ADDRESS:

21590 Center Ridge Rd,
Rocky River, OH 44116

[View in Google Maps](#)

SIGN CODE:

Zoning: GB General Business
Wall Signs:
Allowed 40% of signable area
Number allowed: One (1) principal wall sign; extra based on eligible frontages
Variance Info: Meetings 2nd Thursday of each month at 7:00 P.M. in
Council Chambers of Rocky River City Hall. Variance time frame is 60 – 120 days.
Variance cost is \$150 and up.



DENTAL BRANDS

SITE PLAN

For Reference - NTS



E02

E03

E01

Stratus®

onestratus.com
8959 Tyler Boulevard
Mentor, Ohio 44060
888.503.1569

CLIENT:
D4C
DENTAL BRANDS

ADDRESS:
21590 Center Ridge Rd,
Rocky River, OH 44116

PAGE NO.:
2

ORDER NUMBER:
1233848

SITE NUMBER:
13

ELECTRONIC FILE NAME:
G:\ACCOUNTS\ID4C DENTAL BRANDS\LOCATIONS\2025\OH\River Kids Dentistry_Rocky River\
River Kids Dentistry_Rocky River_R7.cdr

PROJECT NUMBER:
88228

PROJECT MANAGER:
MICHELLE TUOZZO

Rev #	Req #	Date/Artist	Description	Rev #	Req #	Date/Artist	Description
Original	517343	02/28/25 JE		Rev 7	541777	07/14/25 JG	
Rev 1	518877	03/10/25 BLAN					
Rev 2	519748	03/14/25 BLAN					
Rev 3	532672	05/22/25 JCH					
Rev 4	533867	05/30/25 SM					
Rev 5	535446	06/09/25 AKS					
Rev 6	539915	07/02/25 KO					

PRINTS ARE THE EXCLUSIVE PROPERTY OF STRATUS. THIS MATERIAL SHALL NOT BE USED, DUPLICATED, OR OTHERWISE REPRODUCED WITHOUT THE PRIOR WRITTEN CONSENT OF STRATUS.

E01

STOREFRONT ELEVATION

Scale: 3/16"=1'-0"

Sign Band SF: 42.9
40% of sign band: 17.2

Wall Color:
SW 6050

50'-6" Bldg. Length

9'-0" Sign Band

4'-9-1/4"
Sign Band



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Rev 3	532672	05/22/25 JCH					
Rev 4	533867	05/30/25 SM					
Rev 5	535446	06/09/25 AKS					
Rev 6	539915	07/02/25 KO					

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COLOR PALETTE

Pantone 7692-C navy

Pantone 636-C bright blue

Pantone 7408-C yellow

Pantone 611-C lime green

Pantone 805-C salmon

Raceway
Sherwin Williams' S.W.6050

Paint finish to be satin unless otherwise specified

SIMULATED NIGHT VIEW



- FACES:

.177" #2406 white acrylic w/ surface applied translucent vinyl printed to match colors shown
- TRIMCAP:

LETTERS: 3/4" jewelite trimcap painted to match dark blue
LOGO: 1" jewelite trimcap painted to match dark blue
- RETURNS:

3" Deep .040 alum. returns pre-finished white interior / exterior painted white
- BACKS:

LETTERS: .063 alum. insides painted Reflective white
LOGO: .080 alum. insides painted Reflective white
- ILLUM.:

Principal Sloan White LED's as required by manufacturer;
Power supplies housed within raceway
- RACEWAY:

5"h X 3-1/2"d Eastern Metal extruded aluminum raceway or approved equivalent to house all electrical components; Painted to match sign band
- WALL MAT.:

Dryvit
- INSTALL:

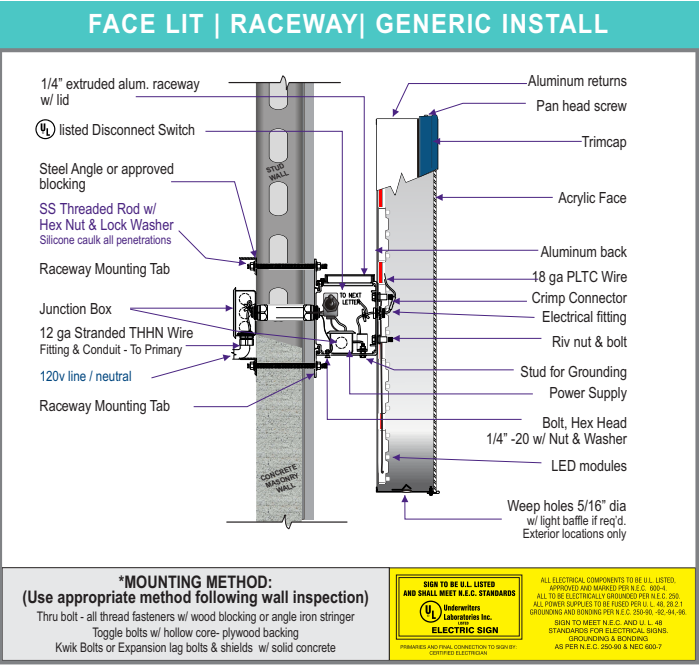
Letters mechanically fastened to raceway; Raceway thru bolted flush to wall surface into approved blocking; 12" standard length of min 3/8" threaded rod will be supplied unless otherwise noted; Compression sleeves req'd to avoid crushing wall & achieve max tensioning
See shop drawing for details
- QUANTITY:

(1) ONE REQUIRED

ALL SIGNS TO COMPLY WITH UL 48 AND WILL BE MARKED AS SUCH WITH APPROPRIATE LABORATORY LABELS.

THIS SIGN IS INTENDED TO BE INSTALLED IN 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.

THE LOCATION OF THE DISCONNECT SWITCH AFTER INSTALLATION SHALL COMPLY WITH ARTICLE 600.6(A) (1) OF THE NATIONAL ELECTRIC CODE.



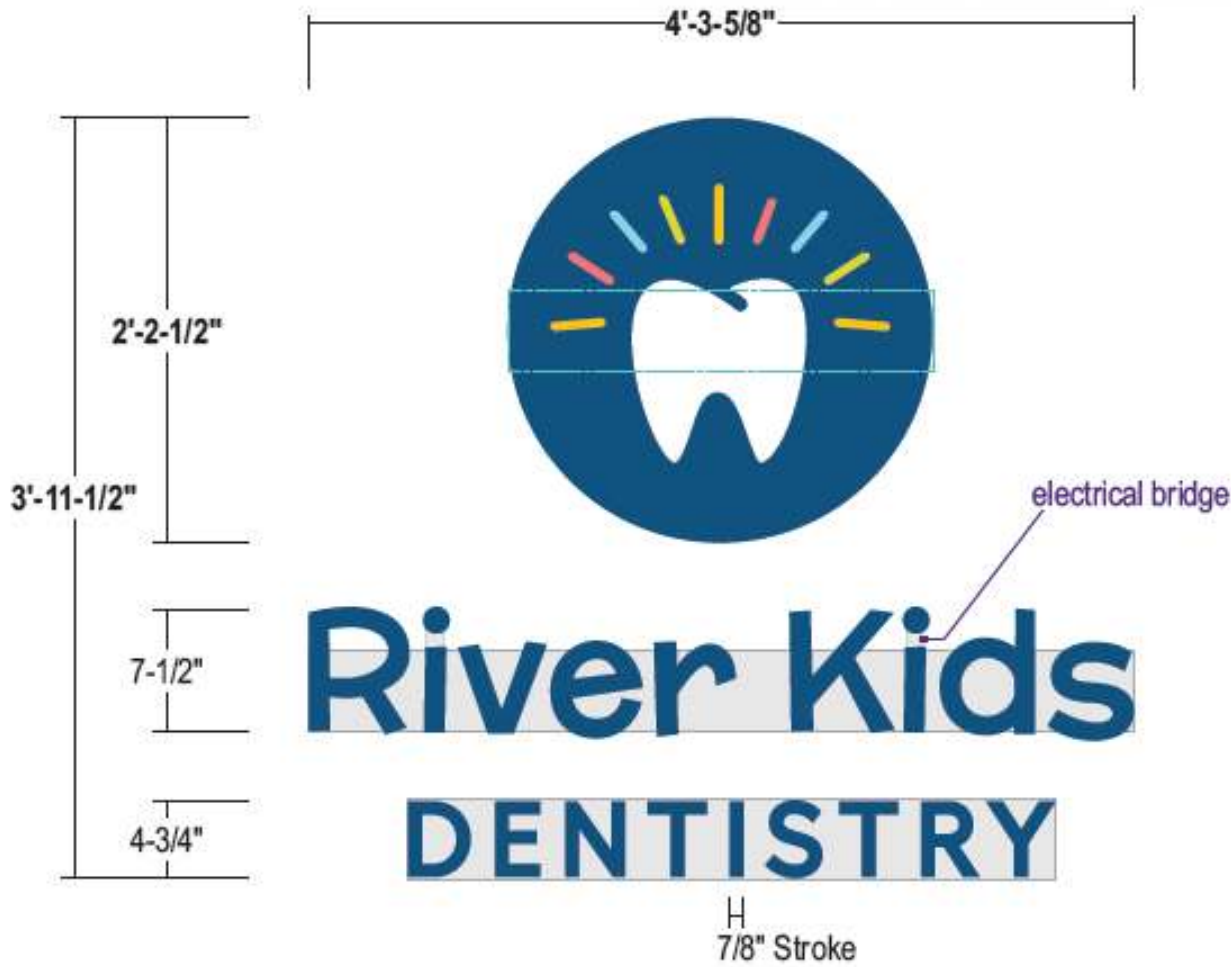
E01

FACE LIT CHANNELS on RACEWAY

Scale: 1"=1'-0"

FL47.is.s.ac.rwb

17 square feet



Engineers Connection Note:
Provide Fasteners with washer using the fastener schedule for existing wall construction type to determine the fastener type and maximum O.C. bolt spacing to install along the top and bottom of each raceway box with a 12" Maximum side end clearance.
* Raceways: Two(2) Top and bottom to install each minimum.
* Logo: Install Three(3) Fasteners through box framing with washer evenly spaced around the perimeter.

COLOR PALETTE

	Pantone 7692-C navy		Pantone 636-C bright blue
	Pantone 7408-C yellow		Pantone 611-C lime green
	Pantone 805-C salmon		Raceway Sherwin Williams' S.W.6050

Paint finish to be satin unless otherwise specified

SIMULATED NIGHT VIEW



DESIGN SPECIFICATIONS				
IBC	2021	with	OH	amendments
2024 Ohio Building Code				
ASCE	7-16	Minimum Design Loads for Buildings & Other Structures		
ACI	318-19	Building Code Requirements for Structural Concrete		
ANSI/AISC	360-16	Specification for Structural Steel Buildings		
DESIGN LOADS				
Wind	V =	110	mph	
Exposure	C			
Risk Cat.	II			
Grnd. Snow	Pg =	20	psf	

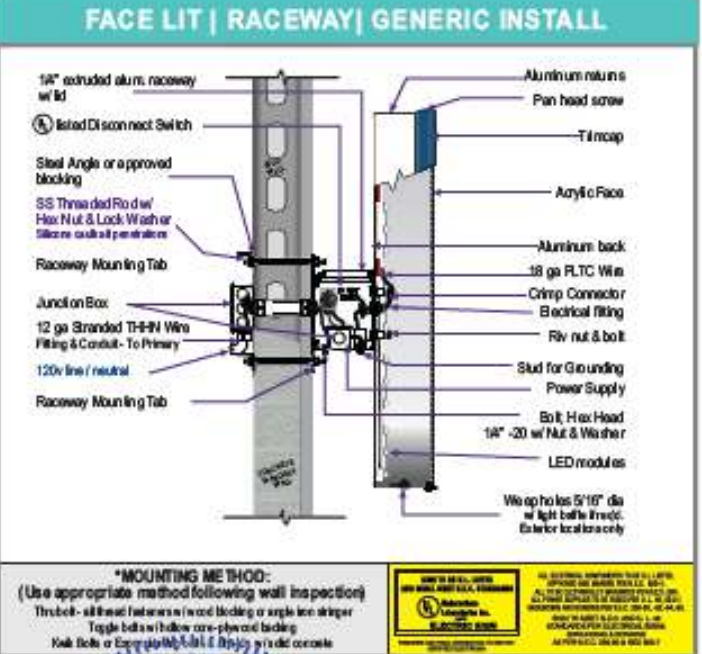
- FACES:** .177" #2406 white acrylic w/ surface applied translucent vinyl printed to match colors shown
- TRIMCAP:** LETTERS: 3/4" jewelrite trimcap painted to match dark blue
LOGO: 1" jewelrite trimcap painted to match dark blue
- RETURNS:** 3" Deep .040 alum. returns pre-finished white interior / exterior painted white
- BACKS:** LETTERS: .063 alum. insides painted Reflective white
LOGO: .080 alum. insides painted Reflective white
- ILLUM.:** Principal Sloan White LED's as required by manufacturer;
Power supplies housed within raceway
- RACEWAY:** 5" X 3-1/2" d Eastern Metal extruded aluminum raceway or approved equivalent to house all electrical components; Painted to match sign band
- WALL MAT.:** Dryvit
- INSTALL:** Letters mechanically fastened to raceway; Raceway thru bolted flush to wall surface into approved blocking; 12" standard length of min 3/8" threaded rod will be supplied unless otherwise noted; Compression sleeves req'd to avoid crushing wall & achieve max tensioning

QUANTITY: (1) ONE REQUIRED

ALL SIGNS TO COMPLY WITH UL 48 AND WILL BE MARKED AS SUCH WITH APPROPRIATE LABORATORY LABELS.

THIS SIGN IS INTENDED TO BE INSTALLED IN 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.

THE LOCATION OF THE DISCONNECT SWITCH AFTER INSTALLATION SHALL COMPLY WITH ARTICLE 600.8(A) (1) OF THE NATIONAL ELECTRIC CODE.



FASTENER SCHEDULE (RACEWAY SIGN)			WALL CONSTRUCTION			
HARDWARE	DIAM.	O.C. Spacing Max.	MASONRY (CMU-Block)	EIFS/DRYVIT OVER min. 1/2" PLYWOOD	EIFS/DRYVIT OVER GYPSUM/ DENSGLASS	METAL PANEL OVER METAL STUD
THRU-BOLT	3/8"	33in.	YES	YES	ONLY WITH BACKER (MIN. 3/4" PLYWOOD)	YES
DRYVIT DCL EXPANSION w/ SCREW-BOLT-ANCHOR	3/8"	36in.	YES ¹	NO	NO	NO
SNAP-TOGGLE BOLT TYPE BC	3/8"	31in.	IF THROUGH BLOCK FACE	YES	ONLY WITH MIN. 3/4" PLYWOOD BACKER	YES with plywood backer
LAC BOLT	3/8"	32in.	NO	1" SOLID WOOD PENETRATION REQ'D	NO	NO
Tab-Screw	1/4"	33in.	NO	NO	NO	YES into 1/8" Alum or 1/16" Steel

1.) Fasteners shall be evenly spaced Top and Bottom w/4" Side end clearance. Mounting Tab/Thru-Box Framing with washer.
2.) Expansion anchors require a minimum 5" solid masonry embedment installed per table guide for wall construction type.
3.) Engineering liability is limited to building connections.
4.) Tab-Screw into Alum. Require SS Screw - Full Thread Embedment Required.
5.) Thru-Bolts (All-Threaded Rods) into L2x2x3/16" Stl. Angle, P1000 Uni-Strut or 2x6 lumber spanning two(2) wall studs per Bolt - Rod
6.) Brake formed raceway box is unacceptable with Structural angle framing at all corners or .125" Gaskets and Box welded in at 24" O.C.
7.) EIFS/ Dryvit wall provide 1/2" ID Sch40 Pipe Alum. Pipe spacer at all building connections.
8.) Raceway Box assumed to be .500 inches tall or greater is acceptable. Raceway Vertical O.C. bolt spacing: 7.00 Min.

STATE OF OHIO
JERE MURDOCH
E-76569
REGISTERED PROFESSIONAL ENGINEER

2399 NJ-34, A-2
ANASQUAN, NJ 07736
(973) 670-8215 x1
Jere Murdoch, PE
Professional Engineer
OH PE Lic. # PE.76569
Exp. 12/31/2025

ME MURDOCH ENGINEERING

Stratus®

onstratus.com
8959 Tyler Boulevard
Mentor, Ohio 44060
888.503.1569

CLIENT: **D4C DENTAL BRANDS**

ADDRESS: 21590 Center Ridge Rd,
Rocky River, OH 44116

PAGE NO.: **5**

ORDER NUMBER: 1233848

SITE NUMBER: 13

ELECTRONIC FILE NAME: G:\ACCOUNTS\ID4C DENTAL BRANDS\LOCATIONS\2025\OH\River Kids Dentistry_Rocky River\River Kids Dentistry_Rocky River_R7.cdr

PROJECT NUMBER: 88228

PROJECT MANAGER: MICHELLE TUOZZO

Rev #	Req #	Date/Artist	Description	Rev #	Req #	Date/Artist	Description
Original	517343	02/28/25 JE		Rev 7	541777	07/14/25 JG	Added new
Rev 1	518877	03/10/25 BLAN					
Rev 2	519748	03/14/25 BLAN					
Rev 3	532672	05/22/25 JCH					
Rev 4	533867	05/30/25 SM					
Rev 5	535446	06/09/25 AKS					
Rev 6	539915	07/02/25 KO					

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E02

SIDE ELEVATION

Scale: 3/16"=1'-0"

Sign Band SF: 42.9
40% of sign band: 17.2

Wall Color:
SW 6050



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PAGE NO.:

6

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1233848

SITE NUMBER:

13

PROJECT NUMBER:

88228

PROJECT MANAGER:

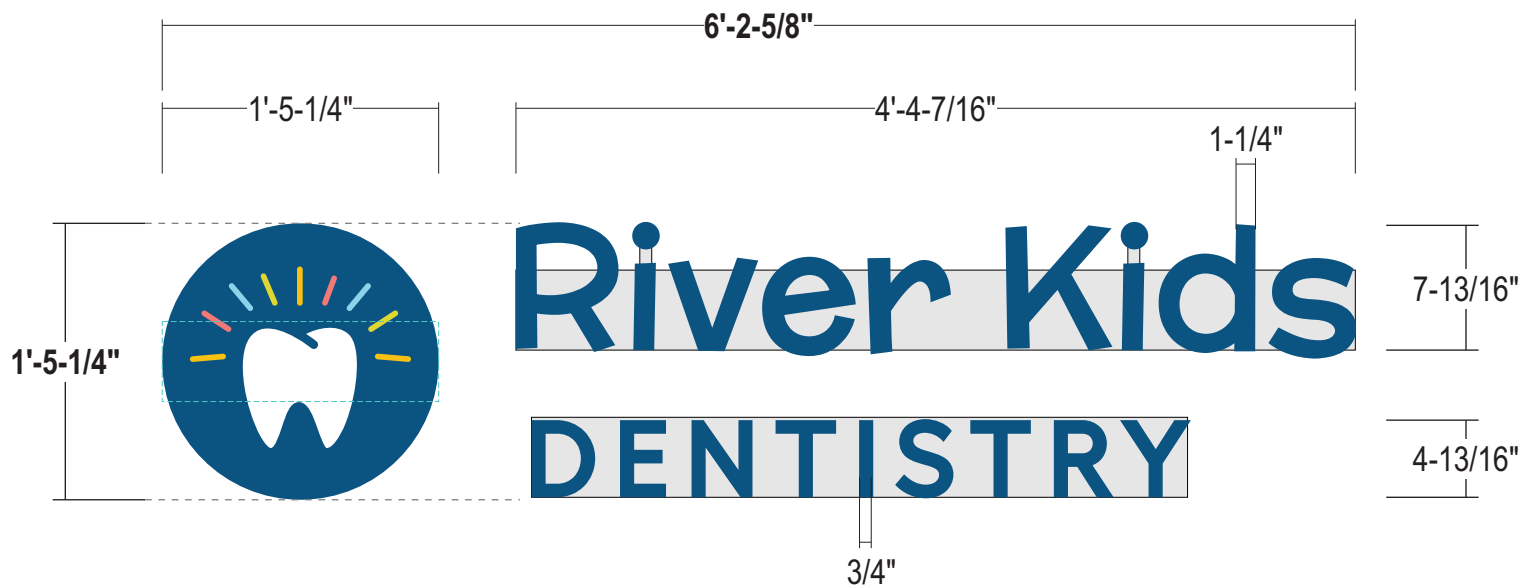
MICHELLE TUOZZO

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G:\ACCOUNTS\ID4C DENTAL BRANDS\LOCATIONS\2025\OH\River Kids Dentistry_Rocky River\
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Rev #	Req #	Date/Artist	Description	Rev #	Req #	Date/Artist	Description
Original	517343	02/28/25 JE		Rev 7	541777	07/14/25 JG	
Rev 1	518877	03/10/25 BLAN	Remove option 1				
Rev 2	519748	03/14/25 BLAN					
Rev 3	532672	05/22/25 JCH	Updated elevation				
Rev 4	533867	05/30/25 SM					
Rev 5	535446	06/09/25 AKS	Reduced logo & revised layout				
Rev 6	539915	07/02/25 KO					

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- FACES:

.177" #2406 white acrylic w/ surface applied translucent vinyl printed to match colors shown
- TRIMCAP:

LETTERS: 3/4" jewelite trimcap painted to match dark blue
LOGO: 1" jewelite trimcap painted to match dark blue
- RETURNS:

3" Deep .040 alum. returns pre-finished white interior / exterior painted white
- BACKS:

LETTERS: .063 alum. insides painted Reflective white
LOGO: .080 alum. insides painted Reflective white
- ILLUM.:

Principal Sloan White LED's as required by manufacturer;
Power supplies housed within raceway
- RACEWAY:

5"h X 3-1/2"d Eastern Metal extruded aluminum raceway or approved equivalent to house all electrical components; Painted to match sign band
- WALL MAT.:

Dryvit
- INSTALL:

Letters mechanically fastened to raceway; Raceway thru bolted flush to wall surface into approved blocking; 12" standard length of min 3/8" threaded rod will be supplied unless otherwise noted; Compression sleeves req'd to avoid crushing wall & achieve max tensioning
See shop drawing for detail
- QUANTITY:

(1) ONE REQUIRED

SIMULATED NIGHT VIEW

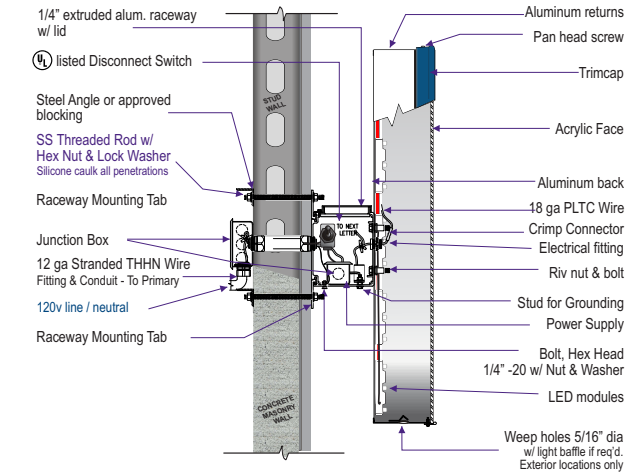


COLOR PALETTE

- | | | | |
|--|-----------------------|--|--|
| | Pantone 7692-C navy | | Pantone 636-C bright blue |
| | Pantone 7408-C yellow | | Pantone 611-C lime green |
| | Pantone 805-C salmon | | Raceway
Sherwin Williams' S.W.6050 |

Paint finish to be satin unless otherwise specified

FACE LIT | RACEWAY| GENERIC INSTALL



ALL SIGNS TO COMPLY WITH UL 48 AND WILL BE MARKED AS SUCH WITH APPROPRIATE LABORATORY LABELS.

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THE LOCATION OF THE DISCONNECT SWITCH AFTER INSTALLATION SHALL COMPLY WITH ARTICLE 600.6(A) (1) OF THE NATIONAL ELECTRIC CODE.

***MOUNTING METHOD:**
(Use appropriate method following wall inspection)
Thru bolt - all thread fasteners w/ wood blocking or angle iron stringer
Toggle bolts w/ hollow core- plywood backing
Kwik Bolts or Expansion lag bolts & shields w/ solid concrete

UL LISTED
ELECTRIC SIGN
UL 1870-1
UL 1870-2
UL 1870-3
UL 1870-4
UL 1870-5
UL 1870-6
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UL 1870-99
UL 1870-100

ALL ELECTRICAL COMPONENTS TO BE UL LISTED
APPROVED AND MARKED PER N.E.C. 600-4
ALL TO BE ELECTRICALLY GROUNDING PER N.E.C. 250-4
ALL POWER SUPPLIES TO BE FUSED PER U.L. 1870-1
GROUNDING AND BONDING PER N.E.C. 250-4, 250-5, 250-6, 250-7, 250-8, 250-9, 250-10, 250-11, 250-12, 250-13, 250-14, 250-15, 250-16, 250-17, 250-18, 250-19, 250-20, 250-21, 250-22, 250-23, 250-24, 250-25, 250-26, 250-27, 250-28, 250-29, 250-30, 250-31, 250-32, 250-33, 250-34, 250-35, 250-36, 250-37, 250-38, 250-39, 250-40, 250-41, 250-42, 250-43, 250-44, 250-45, 250-46, 250-47, 250-48, 250-49, 250-50, 250-51, 250-52, 250-53, 250-54, 250-55, 250-56, 250-57, 250-58, 250-59, 250-60, 250-61, 250-62, 250-63, 250-64, 250-65, 250-66, 250-67, 250-68, 250-69, 250-70, 250-71, 250-72, 250-73, 250-74, 250-75, 250-76, 250-77, 250-78, 250-79, 250-80, 250-81, 250-82, 250-83, 250-84, 250-85, 250-86, 250-87, 250-88, 250-89, 250-90, 250-91, 250-92, 250-93, 250-94, 250-95, 250-96, 250-97, 250-98, 250-99, 250-100

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Original	517343	02/28/25 JE		Rev 7	541777	07/14/25 JG	Added shop drawing notes
Rev 1	518877	03/10/25 BLAN					
Rev 2	519748	03/14/25 BLAN					
Rev 3	532672	05/22/25 JCH	Revised layout				
Rev 4	533867	05/30/25 SM					
Rev 5	535446	06/09/25 AKS	Reduced logo & revised layout				
Rev 6	539915	07/02/25 KO	This option chosen				

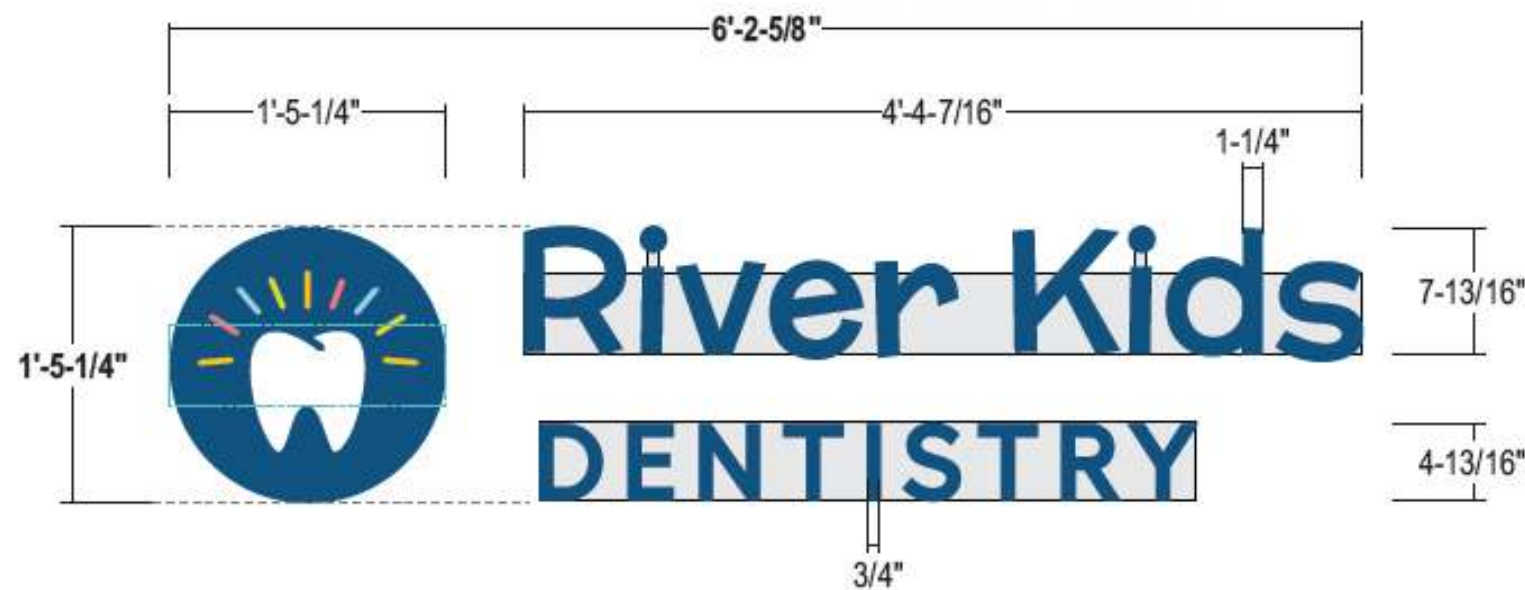
E02

FACE LIT CHANNELS on RACEWAY

FL.i.rw

Scale: 1"=1'-0"

9 square feet



Engineers Connection Note:
Provide Fasteners with washer using the fastener schedule for existing wall construction type to determine the fastener type and maximum O.C. bolt spacing to install along the top and bottom of each raceway box with a 12" Maximum side end clearance.
* Raceways: Two(2) Top and bottom to install each minimum.
* Logo: Install Three(3) Fasteners through box framing with washer evenly spaced around the perimeter.

SIMULATED NIGHT VIEW

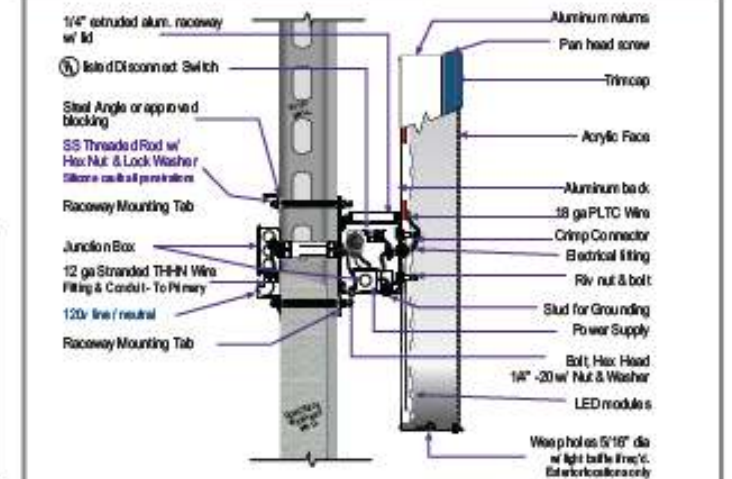


COLOR PALETTE

	Pantone 7692-C navy		Pantone 636-C bright blue
	Pantone 7408-C yellow		Pantone 611-C lime green
	Pantone 805-C salmon		Raceway Sherwin Williams' S.W.6050

Paint finish to be satin unless otherwise specified

FACE LIT | RACEWAY | GENERIC INSTALL



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THE LOCATION OF THE DISCONNECT SWITCH AFTER INSTALLATION SHALL COMPLY WITH ARTICLE 600.6(A)(1) OF THE NATIONAL ELECTRIC CODE.

*MOUNTING METHOD:
(Use appropriate method following wall inspection)
This sign - all fixed fasteners w/ wood blocking or single iron shingles
Toggle bolts w/ hollow-core plywood backing
Wall bolts or Expansion lag bolts & shields w/ solid concrete



- FACES:** .177" #2406 white acrylic w/ surface applied translucent vinyl printed to match colors shown
- TRIMCAP:** LETTERS: 3/4" jewelite trimcap painted to match dark blue
LOGO: 1" jewelite trimcap painted to match dark blue
- RETURNS:** 3" Deep .040 alum. returns pre-finished white interior / exterior painted white
- BACKS:** LETTERS: .063 alum. insides painted Reflective white
LOGO: .080 alum. insides painted Reflective white
- ILLUM.:** Principal Sloan White LED's as required by manufacturer;
Power supplies housed within raceway
- RACEWAY:** 5" X 3-1/2" d Eastern Metal extruded aluminum raceway or approved equivalent to house all electrical components; Painted to match sign band
- WALL MAT.:** Dryvit
- INSTALL:** Letters mechanically fastened to raceway; Raceway thru bolted flush to wall surface into approved blocking; 12" standard length of min 3/8" threaded rod will be supplied unless otherwise noted; Compression sleeves req'd to avoid crushing wall & achieve max tensioning
- QUANTITY:** (1) ONE REQUIRED

FASTENER SCHEDULE (RACEWAY SIGN)			WALL CONSTRUCTION			
HARDWARE	DIAM.	O.C. Spacing Max.	MASONRY (CMU-Block)	EIFS/DRYVIT OVER 1/2" PLYWOOD	EIFS/DRYVIT OVER GYPSUM/ DENSGLASS	METAL PANEL OVER METAL STUD
THRU-BOLT	3/8"	33in.	YES	YES	ONLY WITH BACKER (MIN. 3/4" PLYWOOD)	YES
DRYVIT ORB. EXPANSION or SCREW-BOLT-ANCHOR	3/8"	36in.	YES*	NO	NO	NO
SNAP TOGGLE BOLT TYPE BC	3/8"	31in.	IF THROUGH BLOCK FACE	YES	ONLY WITH MIN. 3/4" PLYWOOD BACKER	YES with plywood backer
LAG BOLT	3/8"	32in.	NO	1" SOLID WOOD PENETRATION REQ'D	NO	NO
Tell-Screw	1/4"	33in.	NO	NO	NO	YES into 1/8" Alum or 1/16" Steel

1.) Fasteners shall be evenly spaced Top and Bottom w/4" Side end clearance. Mounting Tab/Thru-Box Framing with washer.
2.) Expansion anchors require a minimum 5" solid masonry embedment installed per table guide for wall construction type.
3.) Engineering liability is limited to building connections.
4.) Tell-Screw into Alum. Require SS Screw - Full Thread Embedment Required.
5.) Thru-Bolts (All-Threaded Rods) into L2x2x3/16" Std. Angle. P1000 Uni-Strut or 2x6 lumber spanning tws(2) wall studs per Bolt - Rod
6.) Braced formed raceway box is unacceptable with Structural angle framing at all corners or .125" Gaskets and Box welded in at 24" O.C.
7.) EFSI Dryvit wall provide 1/2" ID Sch40 Pipe Alum. Pipe spacer at all building connections.
8.) Raceway Box assumed to be .580 inches taller or greater is acceptable. Raceway Vertical O.C. bolt spacing: 7.60 Min.

DESIGN SPECIFICATIONS			
IBC	2021	with OH amendments	
ASCE	7-16	Minimum Design Loads for Buildings & Other Structures	
ACI	318-19	Building Code Requirements for Structural Concrete	
ANSI/AISC	360-16	Specification for Structural Steel Buildings	
DESIGN LOADS			
Wind	V =	110 mph	
Exposure	C		
Risk Cat.	II		
Grnd. Snow	Pg =	20 psf	



Stratus[®]

onestratus.com
8959 Tyler Boulevard
Mentor, Ohio 44060
888.503.1569

CLIENT: **D4C**
DENTAL BRANDS

ADDRESS: 21590 Center Ridge Rd,
Rocky River, OH 44116

PAGE NO.: **8**

ORDER NUMBER:
1233848

SITE NUMBER:
13

ELECTRONIC FILE NAME:
G:\ACCOUNTS\ID4C DENTAL BRANDS\LOCATIONS\2025\OH\River Kids Dentistry_Rocky River\River Kids Dentistry_Rocky River_R7.cdr

PROJECT NUMBER:
88228

PROJECT MANAGER:
MICHELLE TUOZZO

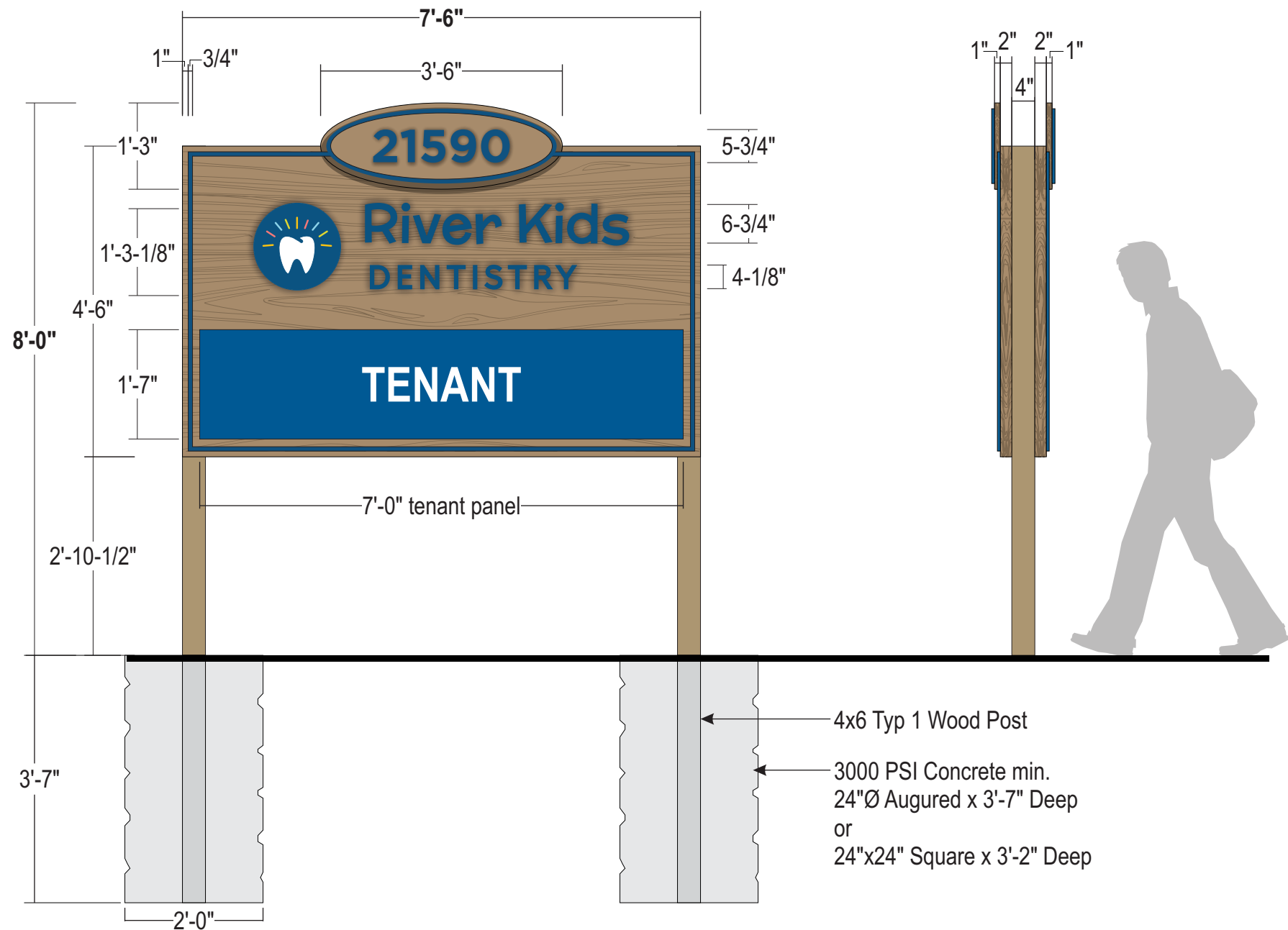
Rev #	Req #	Date/Artist	Description	Rev #	Req #	Date/Artist	Description
Original	517343	02/28/25 JE		Rev 7	541777	07/14/25 JG	Added new
Rev 1	518877	03/10/25 BLAN					
Rev 2	519748	03/14/25 BLAN					
Rev 3	532672	05/22/25 JCH					
Rev 4	533867	05/30/25 SM					
Rev 5	535446	06/09/25 AKS					
Rev 6	539915	07/02/25 KO					

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Existing 66" oah x 80-1/2" oaw d/f monument to be removed and replaced with new

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Original	517343	02/28/25 JE		Rev 7	541777	07/14/25 JG	
Rev 1	518877	03/10/25 BLAN	navy "TENANT"				
Rev 2	519748	03/14/25 BLAN	White "TENANT" on navy background				
Rev 3	532672	05/22/25 JCH					
Rev 4	533867	05/30/25 SM					
Rev 5	535446	06/09/25 AKS	Reduced logo & revised layout				
Rev 6	539915	07/02/25 KO					



- BACKGROUND:**2" thick High density urethane with sandblasted finish; painted burlap
Faces to be flush mounted to posts with mechanical fasteners to suite
- ADDRESS PANEL:**1" thick High density urethane with sandblasted finish; painted burlap
flush mounted to background with mechanical fasteners to suite
- GRAPHICS:**Graphics and border to be raised 1/2" from background and painted
to match colors shown
- TENANT
PANEL:**.125" flat alum. panels painted 7692-C navy with
surface applied opaque white vinyl copy
Flush mounted to background with studs to backside filled w/ silicone
- POSTS:**4x6 Typ 1 wood posts; painted burlap
Coat wood posts with bituminous material where lumber contacts concrete
- INSTALL:**Direct buried Installation into grade w/ concrete foundation
to match city & engineering requirements;
See shop drawing for details
- QUANTITY:**(1) ONE D/F NON-ILLUMINATED MONUMENT REQUIRED

COLOR PALETTE

Pantone 7692-C navy

Pantone 636-C bright blue

CABINET:
SW 6137 Burlap

Pantone 7408-C yellow

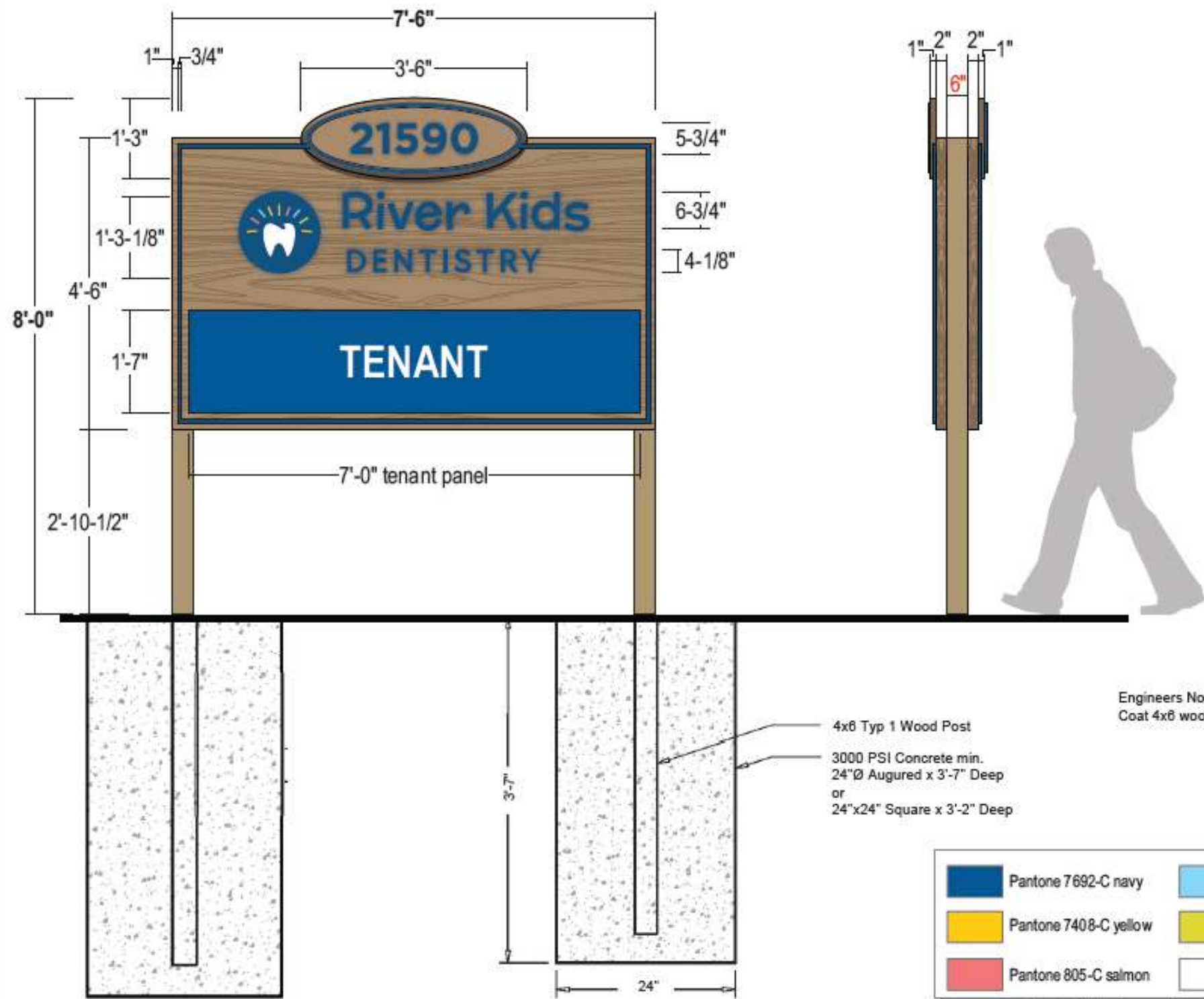
Pantone 611-C lime green

POST & PANEL:
SW 6137 Burlap

Pantone 805-C salmon

Pantone satin white
3M 7725-10 opaque white

Paint finish to be satin unless otherwise specified



- BACKGROUND:
- 2" thick High density urethane with sandblasted finish; painted burlap
Faces to be flush mounted to posts with mechanical fasteners to suite
- ADDRESS PANEL:
- 1" thick High density urethane with sandblasted finish; painted burlap
flush mounted to background with mechanical fasteners to suite
- GRAPHICS:
- Graphics and border to be raised 1/2" from background and painted
to match colors shown
- TENANT
PANEL:
- .125" flat alum. panels painted 7692-C navy with
surface applied opaque white vinyl copy
Flush mounted to background with studs to backside filled w/ silicone
- POSTS:
- 4x6 Typ 1 wood posts; painted burlap
Coat wood posts with bituminous material where lumber contacts concrete
- INSTALL:
- Direct buried Installation into grade w/ concrete foundation
to match city & engineering requirements;
See shop drawing for details
- QUANTITY:
- (1) ONE D/F NON-ILLUMINATED MONUMENT REQUIRED

Engineers Note:
Coat 4x6 wood post with bituminous material where lumber contacts concrete.

DESIGN SPECIFICATIONS			
IBC	2021	with OH amendments	
2024 Ohio Building Code			
ASCE	7-16	Minimum Design Loads for Buildings & Other Structures	
ACI	318-19	Building Code Requirements for Structural Concrete	
ANSI/AISC	360-16	Specification for Structural Steel Buildings	

DESIGN LOADS			
Wind	V =	110 mph	
Exposure	C		
Risk Cat.	II		
Grnd. Snow	Pg =	20 psf	

COLOR PALETTE			
	Pantone 7692-C navy		Pantone 636-C bright blue
	Pantone 7408-C yellow		Pantone 611-C lime green
	Pantone 805-C salmon		Pantone satin white
			3M 7725-10 opaque white

	CABINET: SW 6137 Burlap
	POST & PANEL: SW 6137 Burlap

Paint finish to be satin unless otherwise specified



SIDE A & B ARE IDENTICAL

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GENERAL:

1. ALL MATERIALS AND WORK SHALL CONFORM TO THE REQUIREMENTS OF THE APPLICABLE INTERNATIONAL BUILDING CODE (IBC).
2. CONSTRUCTION METHODS AND PROJECT SAFETY: DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE METHODS, PROCEDURES, OR SEQUENCE OF CONSTRUCTION. TAKE NECESSARY PRECAUTIONS TO MAINTAIN AND ENSURE THE INTEGRITY OF THE STRUCTURE DURING CONSTRUCTION. THE EOR WILL NOT ENFORCE SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN, CONSTRUCT, AND MAINTAIN ALL SAFETY DEVICES AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS, AND REGULATIONS.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND SITE CONDITIONS PRIOR TO THE START OF CONSTRUCTION AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES OR INCONSISTENCIES THAT ARE FOUND. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. DO NOT SCALE DRAWINGS.
4. ALL OMISSIONS AND/OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND FIELD INSPECTOR. THE ENGINEER SHALL PROVIDE A SOLUTION PRIOR TO PROCEEDING WITH ANY WORK AFFECTED BY THE CONFLICT OR OMISSION.
5. WHERE NO CONSTRUCTION DETAILS ARE SHOWN OR NOTED FOR ANY PART OF THE WORK, CONSTRUCT IN ACCORDANCE WITH THE STEEL CONSTRUCTION MANUAL, 14TH EDITION OR 2010 ALUMINUM DESIGN MANUAL.
6. WHEN A DETAIL IS IDENTIFIED AS TYPICAL, THE CONTRACTOR IS TO APPLY THIS DETAIL IN ESTIMATING AND CONSTRUCTION TO EVERY LIKE CONDITION WHETHER OR NOT THE REFERENCE IS REPEATED IN EVERY INSTANCE.
7. ANY CHANGE TO THE DESIGN AS SHOWN ON THE DRAWINGS REQUIRES PRIOR WRITTEN APPROVAL FROM DESIGN ENGINEER OF RECORD BEFORE CONSTRUCTION.
8. WORK PERFORMED IN CONFLICT WITH THE STRUCTURAL DRAWINGS OR APPLICABLE BUILDING CODE REQUIREMENTS SHALL BE CORRECTED AT THE EXPENSE OF THE CONTRACTOR.
9. VERIFICATION: VERIFY ALL DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS BEFORE STARTING WORK. NOTIFY THE EOR IMMEDIATELY OF ANY DISCREPANCIES.

EXISTING CONDITIONS:

1. IF EXISTING CONDITIONS ARE NOT AS DETAILED IN THIS DESIGN, THE INSTALLER SHALL CEASE WORK AND NOTIFY MURDOCH ENGINEERING IMMEDIATELY.
2. MURDOCH ENGINEERING WILL NOT BE PERFORMING ON-SITE INSPECTIONS OR VERIFICATIONS. IT IS THE RESPONSIBILITY OF THE INSTALLER, STRUCTURE OWNER, AND PROPERTY OWNER TO IDENTIFY EXISTING CONDITIONS AND CONTACT MURDOCH ENGINEERING WITH ANY DISCREPANCIES OR CONCERNS.
3. INSTALLER SHALL CONFIRM THE DIAMETER AND THICKNESS OF EXISTING MEMBERS AND NOTIFY MURDOCH ENGINEERING OF ANY DISCREPANCIES.
4. INSTALLER SHALL INSPECT AND CONFIRM THE QUALITY OF EXISTING STRUCTURE AS "IN GOOD REPAIR". IF THERE ARE ANY INDICATIONS THAT THIS IS NOT THE CASE, INSTALLER SHALL CEASE WORK IMMEDIATELY AND NOTIFY MURDOCH ENGINEERING.
5. ANY EXISTING INFORMATION SHOWN HAS BEEN FURNISHED BY THE PERSON(S) OR COMPANY THIS DOCUMENT WAS PREPARED FOR (SEE TITLE BLOCK). MURDOCH ENGINEERING IN NO WAY CERTIFIES THIS INFORMATION AS "AS-BUILT". IF THERE IS ANY REASON TO BELIEVE THE EXISTING CONDITIONS DETAILED HEREIN ARE NOT ACCURATE, MURDOCH ENGINEERING SHALL BE NOTIFIED IMMEDIATELY.

STEEL

1. STEEL SHAPES SHALL CONFORM TO THE FOLLOWING:

ROUND HSS	ASTM A500, GR B	Fy=42 KSI MIN.
SQUARE/RECT HSS	ASTM A500, GR B	Fy=46 KSI MIN.
THREADED ROD	ASTM A36	Fy=46 KSI MIN.
STEEL PLATE	ASTM A36 ASTM A53, GR B	Fy=36 KSI MIN.
STD. PIPE		Fy=35 KSI MIN.

2. BOLTS SHALL CONFORM TO ASTM A307 UNO..
3. BOLTS AND THREADED ROD SHALL BE HOT-DIP GALVANIZED PER ASTM F2329 UNO.
4. ANCHOR BOLTS SHALL CONFORM TO ASTM F1554 UNO.
5. NUTS SHALL CONFORM TO ASTM A563.
6. WASHERS SHALL CONFORM TO ASTM F844.
7. STEEL HARDWARE SHALL BE HOT-DIP GALVANIZED PER ASTM A153 UNO
8. WELDING:
 - a. WELD STRUCTURAL STEEL IN COMPLIANCE WITH ANSI/AWS D1.1 AND AISC SPECIFICATION, CHAPTER J. WELDERS SHALL BE CERTIFIED AS REQUIRED BY GOVERNING CODE AUTHORITY. WELDING SHALL BE DONE BY ELECTRIC ARC PROCESS USING LOW-HYDROGEN ELECTRODES WITH SPECIFIED TENSILE STRENGTH NOT LESS THAN 70 KSI UNLESS NOTED OTHERWISE.
 - b. ALL SHOP AND FIELD WELDS SHALL BE PERFORMED BY AN AWS OR ICC CERTIFIED WELDER WITH ACTIVE STATUS AT TIME OF WELDING
 - c. UNLESS A LARGER WELD SIZE IS INDICATED, PROVIDE MINIMUM SIZE WELDS PER AISC SPECIFICATION, SECTION J2, TABLE J2.4
 - d. BASE PLATES SHALL BE WELDED ON TOP AND BOTTOM WITH CONTINUOUS WELDS OF AT LEAST 1/4" (IF PLATE IS CUT TO FIT TUBE INTO PLATE)

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Deviations from this drawing shall not be made without consulting Murdoch Engineering. In case of incongruities between drawings, specifications, and details included in contract documents, Murdoch Engineering shall decide which indication must be followed and their decision shall be final.

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ALUMINUM:

1. FABRICATE AND ERECT ALUMINUM IN COMPLIANCE WITH THE ALUMINUM ASSOCIATION (AA) 2020 ALUMINUM DESIGN MANUAL (ADM) 1, THE SPECIFICATIONS FOR ALUMINUM SHEET METAL WORK (ASM35), AND IBC CHAPTER 20.
2. PIPE AND TUBE SHALL BE 6061-T6 PER ASTM B241 OR B429 WITH Ftu=38 KSI MIN, Fty=35 KSI MIN, Ftuw=24 KSI MIN, Ftyw=15 KSI MIN.
3. STD STRUCTURAL PROFILES SHALL BE 6061-T6 PER B308 WITH Ftu=38 KSI MIN, Fty=35 KSI MIN, Ftuw=24 KSI MIN, Ftyw=15 KSI MIN.
4. SHEET AND PLATE SHALL BE 6061-T6 PER ASTM B209 WITH Ftu=42 KSI MIN, Fty=35 KSI MIN, Ftuw=24 KSI MIN, Ftyw=15 KSI MIN.
5. EXTRUSIONS SHALL BE 6061-T6 PER ASTM B241 OR B429 WITH Ftu=38 KSI MIN, Fty=35 KSI MIN, Ftuw=24 KSI MIN, Ftyw=15 KSI MIN.
6. ALL SHOP AND FIELD WELDS SHALL BE PERFORMED BY AN AWS OR ICC CERTIFIED WELDER WITH CURRENT STATUS AT TIME OF WELDING
7. UNLESS A LARGER WELD SIZE IS INDICATED, PROVIDE MINIMUM SIZE WELD PER ADM. ALL ALUMINUM WELDED JOINTS SHALL HAVE WELD SIZES OF AT LEAST 1/8 INCH
8. FILLET WELDS SHALL NOT EXCEED THINNEST MEMBER WALL THICKNESS JOINED.
9. ALUMINUM WELD FILLER SHALL BE 5356 ALLOY
10. WELDING PROCESS GMAW OR GTAW SHALL BE IN ACCORDANCE WITH AWS D1.2
11. ALUMINUM CHANNEL LETTERS SHALL BE CONSTRUCTED OF 0.090" RETURNS AND 0.125" BACKS MINIMUM, UNLESS A LARGER SIZE IS INDICATED ON DRAWINGS. THIS NOTE SHALL SUPERCEDE DRAWING DETAILS.
12. PROVIDE NEOPRENE GASKET BETWEEN DISSIMILAR METALS TO PREVENT GALVANIC CORROSION
13. ALUMINUM DIRECTLY EMBEDDED INTO CONCRETE SHALL BE CAPPED AT BOTTOM AND COATED WITH BITUMINOUS COATING OR POLYURETHANE WHERE IN CONTACT WITH CONCRETE.
14. FASTENERS BETWEEN DISSIMILAR METALS SHALL BE STAINLESS STEEL 316.

CONCRETE & REINFORCEMENT

1. MINIMUM 28-DAY COMPRESSIVE STRENGTH (f'c) SHALL BE 3,000 PSI. THE MAXIMUM WATER TO CEMENT RATIO SHALL BE 0.45 BY WEIGHT. A MINIMUM OF 5-3/4 BAGS OF CEMENT SHALL BE USED PER CUBIC YARD WITH A SLUMP OF 4" +/- 1.
2. REINFORCEMENT TO BE ASTM A615 GR 60, Fy=60 KSI UNO
3. CALCIUM CHLORIDE OR ADDED CHLORIDE IS NOT PERMITTED
4. VIBRATION: ALL REINFORCED CONCRETE SHALL BE CONSOLIDATED WITH MECHANICAL VIBRATORS
5. CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 318-11
6. PROVIDE A MINIMUM OF 2-1/2" COVER OF ALL EMBEDDED STEEL REBAR AND A MINIMUM OF 6 INCHES OF COVER FOR DIRECT BURIED PIPE OR TUBE MEMBERS.

FOUNDATIONS

1. CONCRETE POURED INTO CONSTRAINED EARTH EXCAVATIONS MUST CURE UNDER PROPER CONDITIONS FOR A MINIMUM OF 7 DAYS PRIOR TO SIGN BOX INSTALLATION. (EXCEPTION: IF THE OVERALL HEIGHT OF THE SIGN IS LESS THAN 20 FEET AND THE SIGN IS ADEQUATELY BRACED AGAINST WIND LOADS FOR A MINIMUM OF 4 DAYS, THE BOX MAY BE INSTALLED THE SAME DAY AS THE FOOTING IS POURED)
2. FOOTINGS MUST BE POURED AGAINST UNDISTURBED EARTH. SOIL BACKFILL IS UNACCEPTABLE. WHEN A SONOTUBE IS USED AS THE FORM, CONCRETE SHALL BE USED TO BACKFILL THE SPACE BETWEEN THE SONOTUBE AND UNDISTURBED EARTH.
3. COLD WEATHER PLACEMENT: PROTECT CONCRETE WORK FROM PHYSICAL DAMAGE OR REDUCED STRENGTH THAT COULD BE CAUSED BY FROST, FREEZING ACTIONS OR LOW TEMPERATURES. DO NOT POUR CONCRETE DURING OR WHEN FREEZING TEMPERATURES ARE ANTICIPATED WITHIN 3 DAYS OF POUR. BOTTOM OF FOOTING TO BE INSTALLED AT OR BELOW FROST LINE.
4. REINFORCEMENT IS NOT REQUIRED FOR DIRECT BURIAL TYPE SIGN FOOTINGS FOR SIGNS OF 25 FEET OVERALL HEIGHT OR LESS. DIRECT BURIED STEEL SHALL EXTEND TO 6 INCHES FROM BOTTOM OF FOOTING.
5. FOR ANCHOR BOLT/ BASE PLATE - SQUARE FOOTINGS, PROVIDE A MINIMUM OF #5 VERTICAL REBAR @ 12" O.C., 4" OFFSET FROM PERIMETER, TOP AND BOTTOM OF FOOTING. PROVIDE #3 HORIZONTAL TIES @ 12" O.C. Unless otherwise noted.
6. FOR ANCHOR BOLT/ BASE PLATE - ROUND FOOTINGS, PROVIDE A MINIMUM OF SIX (6) VERTICAL #5 REBARS, EVENLY SPACED, 4" OFFSET FROM FOOTING PERIMETER & #3 HORIZONTAL TIES, 12" O.C. Unless otherwise noted.
7. ANCHOR BOLTS SHALL BE TIED TO REBAR CAGE AT A MINIMUM OF TWO LOCATIONS PER ANCHOR BOLT
8. FOOTING DESIGN ASSUMES FOOTING SHALL BE EXCAVATED AND POURED IN UNDISTURBED NATURAL EARTH, CAPABLE OF WITHSTANDING A MINIMUM 1,500 PSF VERTICAL DESIGN BEARING PRESSURE AND 200 PSF/FT OF DEPTH OF LATERAL BEARING PRESSURE.
9. IF CLAY, SILTY - CLAY, ORGANIC OR FILL SOIL IS ENCOUNTERED UPON EXCAVATION, CONTACT MURDOCH ENGINEERING FOR FOOTING DESIGN MODIFICATION PRIOR TO CONSTRUCTION.
10. PORTION OF STEEL SUPPORT EMBEDDED INTO CONCRETE SHALL NOT BE PAINTED. IT SHALL BE CLEAN BARE METAL FOR PROPER ADHESION TO CONCRETE

SCOPE OF WORK:

1. LIMITS OF LIABILITY TO EXTEND ONLY TO THE QUANTITY INDICATED. ATTEMPTS IN PART OR IN WHOLE TO INSTALL GREATER QUANTITIES THAN THOSE SPECIFIED WITHOUT CONSULTING MURDOCH ENGINEERING SHALL VOID ALL PROFESSIONAL LIABILITY AND COVERAGE.
2. WALL SIGN ENGINEERING LIABILITY IS LIMITED TO BUILDING CONNECTIONS.

DESIGN SPECIFICATIONS				
IBC	2021	with	OH	amendments
2024 Ohio Building Code				
ASCE	7-16	Minimum Design Loads for Buildings & Other Structures		
ACI	318-19	Building Code Requirements for Structural Concrete		
ANSI/AISC	360-16	Specification for Structural Steel Buildings		
DESIGN LOADS				
Wind	V =	110	mph	
Exposure	C			
Risk Cat.	II			
Grnd. Snow	Pg =	20	psf	

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PREPARED FOR:



PROJECT TITLE:



PROJECT ADDRESS:

21590 Center Ridge Rd,
Rocky River, OH 44116



2399 NJ-34 A-2
MANASQUAN, NJ 08736
(973) 670-6215
Jere Murdoch, PE
Professional Engineer
OH PE Lic. # PE.76569
Exp. 12/31/2025



DWG TITLE:

GENERAL NOTES

SHEET:

S.1

SIZE:

B

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