



CHARLOTTE PUBLIC SCHOOLS
BID PROPOSAL COVER SHEET

SCOREBOARD, SOUND SYSTEM, AND LED VIDEO DISPLAY INSTALLATION

SEALED BIDS DUE: FEBRUARY 24, 2025 BEFORE 10:00AM
BID OPENING MEETING: FEBRUARY 24, 2025 10:AM

The bidder certifies he/she has familiarized him/herself with our specifications, has carefully read them and understands their contents. Any equipment furnished by the vendor will be in the style and quality requested.

VENDOR NAME: \_\_\_\_\_

VENDOR ADDRESS: \_\_\_\_\_

VENDOR PHONE: \_\_\_\_\_

VENDOR REPRESENTATIVE NAME: \_\_\_\_\_

VENDOR REPRESENTATIVE EMAIL: \_\_\_\_\_

Signature of Authorized Vendor Representative

Date

The following documents must be included in the RFP Response. Please make sure that two (2) complete copies of the RFP packet are provided in a sealed envelope clearly marked "CPS Display Installation" on the front of the outside envelope. Failure to do so may prevent your response from being received.

- Checkboxes for required documents: Bid Proposal Cover Sheet, Interest Statement, Description of Firm and Experience, Anticipated Project Schedule, Minimum of Three (3) References, Affidavits/Certifications (Attached), Non-Collusion Affidavit, Familial Relationship Affidavit, Iran Economic Sanctions Act Certification, Prevailing Wage Acknowledgement, Fee Proposal.

Timeline: February 1, 2025 - Request for Proposal Released; February 11, 2025 - Mandatory Pre-Bid Meeting at 10:00am; February 24, 2025 - RFP Responses Due Before 10:00am; February 24, 2025 - Public Bid Opening at 10:00am; March 11, 2025 - Bid Award Announcement; Project must be complete on or before June 30, 2025; Final billing must be received by July 11, 2025.

**Charlotte High School  
Outdoor Facilities  
Display & Scoring Improvements**

**NON-COLLUSION AFFIDAVIT**

*This form must be completed, signed and included with the bid proposal.*

\_\_\_\_\_ [Authorized Name] being first duly sworn, deposes and says he/she is the \_\_\_\_\_ [Title] of \_\_\_\_\_ [Company Name], the "Proposer", which has submitted to Charlotte Public Schools a Proposal to provide installation services for scoreboards, sound system, and LED display boards. Except as specified below, the Proposer constitutes the only firm having any interest in the Proposal or in any Contract, benefit or profit which may, might or could accrue as a result of said Proposal, said exceptions being as follows:

\_\_\_\_\_  
[if no exceptions, please state so]

Affiant further states that said Proposal is, in all respects, fair and is submitted without collusion or fraud; and that no employee, administrator, or Board member of Charlotte Public Schools has financial interest directly or indirectly in the Proposal response.

\_\_\_\_\_  
Affiant Authorized Signature

On this \_\_\_\_\_ day of \_\_\_\_\_, 2025, before me, a notary public, in and for \_\_\_\_\_ County, personally appeared \_\_\_\_\_ [insert name], who made oath that he/she has read the foregoing Non-Collusion Affidavit, by him/her signed and that contents thereof are true, except as to those matters stated therein to be based on information and belief, and as to those matters, he believes same to be true.

\_\_\_\_\_  
Notary Public Signature

State of Michigan, County of \_\_\_\_\_

My Commission Expires: \_\_\_\_\_

Acting in the County of \_\_\_\_\_

**Charlotte High School  
Outdoor Facilities  
Display & Scoring Improvements**

**FAMILIAL RELATIONSHIP AFFIDAVIT**

*This form must be completed, signed and included with the bid proposal.*

\_\_\_\_\_ [Authorized Name] being first duly sworn, deposes and says he/she is the \_\_\_\_\_ [Title] of \_\_\_\_\_ [Company Name], the "Proposer", which has submitted to Charlotte Public Schools a Proposal to provide installation services for scoreboards, sound system, and LED display boards. Except as specified below, the Proposer hereby represents and warrants that no familial relationships exist between the Proposer or any employee of the Proposer, and any member of the Board of Education of the Charlotte Public Schools or the Superintendent of the school district.

\_\_\_\_\_  
[if no exceptions, please state so]

\_\_\_\_\_  
Affiant Authorized Signature

On this \_\_\_\_\_ day of \_\_\_\_\_, 2025, before me, a notary public, in and for \_\_\_\_\_ County, personally appeared \_\_\_\_\_ [insert name], who made oath that he/she has read the foregoing Familial Relationship Affidavit, by him/her signed and that contents thereof are true, except as to those matters stated therein to be based on information and belief, and as to those matters, he believes same to be true.

\_\_\_\_\_  
Notary Public Signature

State of Michigan, County of \_\_\_\_\_

My Commission Expires: \_\_\_\_\_

Acting in the County of \_\_\_\_\_

**Charlotte High School  
Outdoor Facilities  
Display & Scoring Improvements**

**IRAN ECONOMIC SANCTIONS ACT CERTIFICATION**

*This form must be completed, signed and included with the bid proposal.*

I am the \_\_\_\_\_ [title] of \_\_\_\_\_ [bidder],  
or I am bidding in my individual capacity ("Bidder"), with authority to submit a binding bid  
for the provision of installation services to the Charlotte Public Schools. I have personal  
knowledge of the matters described in this Certification, and I am familiar with the Iran  
Economic Sanctions Act, MCL 129.311, et seq. ("Act"). I am fully aware that the school  
district will rely on my representations in evaluating bids.

I certify that Bidder is not an Iran-linked business, as that term is defined in the Act. I  
understand that submission of a false certification may result in contract termination,  
ineligibility to bid for three (3) years, and a civil penalty of \$250,000 or twice the bid  
amount, whichever is greater, plus related investigation and legal costs.

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Printed Name and Title

\_\_\_\_\_  
Date

**Charlotte High School  
Outdoor Facilities  
Display & Scoring Improvements**

**PREVAILING WAGE ACKNOWLEDGMENT**

*This form must be completed, signed and included with the bid proposal.*

I am the \_\_\_\_\_ [title] of \_\_\_\_\_ [bidder], or I am bidding in my individual capacity ("Bidder"), with authority to submit a binding bid for the provision of installation services to the Charlotte Public Schools. I have personal knowledge of the matters described in this Acknowledgment, and I am familiar with the Prevailing Wage requirements for Eaton County in the State of Michigan. I am fully aware that the school district will rely on my representations in evaluating bids.

I confirm that by submitting this request for proposal response that as a contractor providing labor to perform work as described for Charlotte Public Schools I will be required to pay the "prevailing wage" standard as set forth by the State of Michigan and Eaton County. I further understand that this applies to any subcontractors working on our behalf. Contractors and subcontractors will be required to submit certified payrolls as prescribed by Charlotte Public Schools. Failure to do so will result in delay of payment for services.

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Printed Name and Title

\_\_\_\_\_  
Date

Additional Eaton County specific prevailing wage information is available upon request.

**Charlotte High School  
Outdoor Facilities  
Display & Scoring Improvements**

**FEE PROPOSAL**

*This form must be completed, signed and included with the bid proposal.*

The contractor agrees to perform all work as set forth in this request for proposal, and in accordance with the terms and conditions at the prices quoted on this form. This Fee Proposal is to be inclusive of all requirements noted in the bid documentation. The Fee provided shall be inclusive of all profit, fees, permits, travel expenses, and all other expenditures related to the service being provided. No additional payment will be made for related expenses or miscellaneous costs unless mutually agreed upon by both parties.

Labor:        \$ \_\_\_\_\_

Materials:    \$ \_\_\_\_\_

Other:        \$ \_\_\_\_\_

Please include any notes, points of clarification or exceptions:

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\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Printed Name and Title

\_\_\_\_\_  
Date

**Charlotte High School  
Outdoor Facilities  
Display & Scoring Improvements**

**Request for Proposal for the Installation of new Scoreboards, LED Video Displays and Sound System**

Charlotte Public Schools is requesting installation proposals from qualified contractors/sign companies with experience in erecting LED video displays and marquee signage. Overall scope includes the drilling of column piers, setting structural mounting steel, the assembly of the displays and marquees, secondary electrical and data cabling pulls. Primary electrical will be provided by the school district. Installer to make final connection to owner provided distribution panel.

**PREVAILING WAGE**

All contractors and subcontractors providing labor to perform work as described for Charlotte Public Schools will be required to pay the “prevailing wage” standard as set forth by the State of Michigan and Eaton County. Contractors and subcontractors will be required to submit certified payrolls as prescribed by Charlotte Public Schools. Additional Eaton County specific prevailing wage information is available upon request.

**PRE-BID INSPECTION**

Each bidder shall be held to have visited the site of the proposed work before submitting their proposal and to have familiarized themselves with all existing conditions affecting the execution of the work in this project. No allowance or extra consideration on behalf of the contractor or subcontractor will be made by reason of failure to observe the site conditions.

**Mandatory Pre-Bid Meeting: February 11, 2025 at 10:00 a.m. Please meet at CHS Football Stadium entrance.**

Pricing submittal shall be a Lump Price based on the outline scope detailed below.

Charlotte Public Schools reserves the right to reject any and all proposals or to accept any proposal deemed advantageous to it.

Proposer will be required to provide insurance \$2,000,000.

**General Requirements**

- 1.) Coordinate delivery time with the school & manufacturer to be on-site to unload equipment.
- 2.) Uncrate, inspect, & assemble all equipment.
- 3.) Provide all the equipment necessary to complete the installation.
- 4.) Clean all related debris from installation.
- 5.) Provide dumpster for debris.
- 6.) Provide grass seed & straw for any disturbed ground in installation area.

Installation drawings will be provided by manufacturer (See schematics enclosed) depicting all components, connection of components and system interconnectivity.

Manufacturer will provide structural drawings sealed by a Professional Engineer licensed & certified in the state of Michigan.

# **Charlotte High School Outdoor Facilities Display & Scoring Improvements**

## **Demolition/Removal Existing Scoreboards**

- 1.) Remove existing scoreboard which includes signage, scoreboard and structural steel.
- 2.) Remove existing sound system from football display.
- 3.) Steel columns to be cut to 12" below grade and backfilled with excavated spoils.
- 4.) Existing electrical will be removed by the owner.
- 5.) Disposal of steel and excess material will be the responsibility of the installer.

## **Drilled Piers**

- 1.) Drilled pier locations for LED display/Scoreboard to be coordinated and confirmed with owner with assistance from the manufacturer.
- 2.) Installer to provide required equipment to drill piers two (2) X 3 ft diameter for vertical steel and concrete. Column depth to be 14 ft.
- 3.) Provide ground or track covering for access to display locations if deemed necessary after site visit.
- 4.) Installer to remove excavated spoils from pier drilling.

## **Structural Steel**

- 1.) Provide mounting steel columns for each scoreboard to properly support the displays based on local soil conditions and wind loads.
  - a. Preliminary steel selections are provided below.
  - b. Final design to be provided by manufacturer and will be will basis for final erection.
- 2.) Provide Structural steel for mounting of system control box

**\*Structural Steel requirements are subject to change based on final engineered drawings.\***

## **Display Erection and Assembly**

- 1.) Installation will include digging piers, pouring concrete footings, & setting new steel support structures for displays per manufacturer's engineered drawings.
- 2.) Engage an experienced installer who has completed structural steel work similar in material, design, and extent to that indicated for this project.
- 3.) Provide all the equipment and material necessary to complete the installation.
- 4.) Displays are to be securely mount plumb and square in place.

See enclosed rendering depicting LED Displays and steel requirements.

## **Electrical**

- 1.) Provide labor for connecting the LED panels to pre-assembled connections.
  - a. See schematic for representative view of power connection.
- 2.) Provide final connection to owner provided distribution panel per manufacturer requirements.
- 3.) Mount manufacturer outdoor system control box.



**Charlotte High School  
Outdoor Facilities  
Display & Scoring Improvements**

**Data Cabling**

- 1.) Provide labor and material to mount data conversion box to designated steel columns.
- 2.) Placement to be coordinated with manufacturer. Box to be provided by manufacturer.
- 3.) Provide labor for connecting the interlocking data cable provided with the manufactured LED cabinets.
- 4.) Make final ethernet drop to data conversion provided by manufacturer.

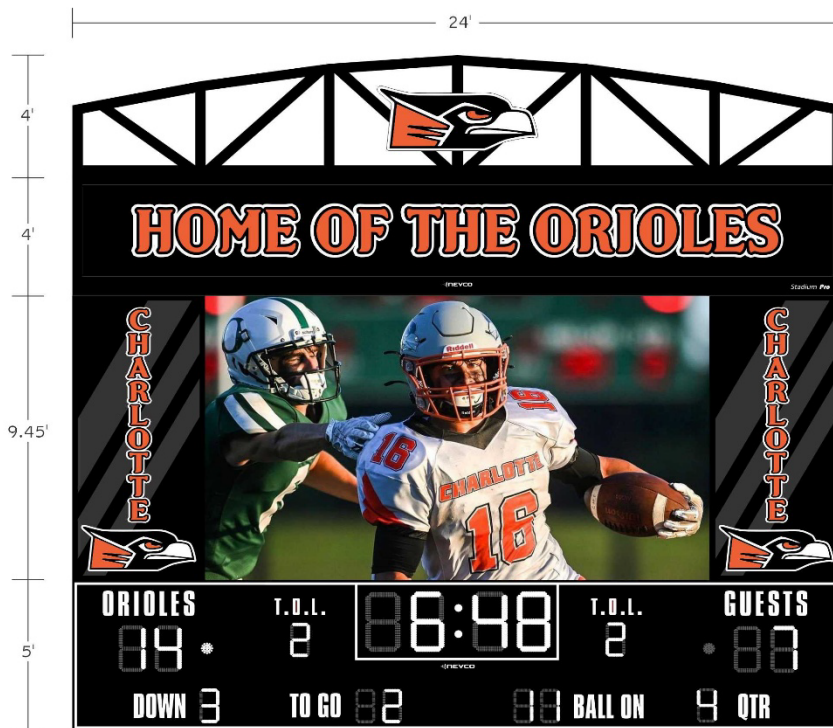
**\*Any questions pertaining to this RFP are to be directed towards Andy Czaika at (517)-231-3605 or [czaikaa@charlottenet.org](mailto:czaikaa@charlottenet.org)\***

# Charlotte High School Outdoor Facilities Display & Scoring Improvements

## Football Display (Qty 1)

**CHARLOTTE HIGH SCHOOL, CHARLOTTE, MI**

**PROOF #68530C**



### PROOF INCLUDES:

- **Custom 24' Strip Football LED Scoreboard**  
24"W x 5"H x 8"D  
Scoreboard Color: 183 Jet Black  
Digit Color: White  
Digit Size: 24"/18"/14"
  - **Full Color LED Video Display**  
9.45"H x 15.75"W 10mm  
(288 x 480 pixel matrix)
  - **SP-1500EV Stadium Pro Sound 1500**  
9"W x 4"H  
Scrim Size: 280.5"W x 36.5"H  
Printable Scrim Area: 277"W x 33"H  
Scrim Color: 183 Jet Black  
Imprint Color: 191 Orange
  - **Non-illuminated Sign**  
(2) 4.125W x 9.45H
  - **Decorative Arch Truss**  
24W x 4H
  - **Decorative Arch Truss Logo**  
5W x 5H
- \*Truss logo may require additional support.

SIGNATURE OF APPROVAL \_\_\_\_\_

DATE \_\_\_\_\_



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**See below for PRELIMINARY steel selections for proof 68530A. All preliminary steel and electrical selections are meant for pricing purposes only and should not be used for any construction purposes. All preliminary selections are subject to change.**

- (2) ea. 5" x 3" x 3/16" HSS tube laterals @ 24'
- (2) ea. 3" x 3" x 1/4" HSS tube laterals @ 23'
- (6) ea. 3" x 3" x 1/8" HSS tube laterals @ 17'
- (2) ea. 3" x 3" x 1/8" HSS tube laterals @ 7'

**Charlotte High School  
Outdoor Facilities  
Display & Scoring Improvements**

- (2) ea. 3" x 3" x 1/8" HSS tube laterals @ 1'
- (8) ea. 10' lengths Unistrut P1000SL

Charlotte High School  
Outdoor Facilities  
Display & Scoring Improvements

address: 378 State St, Charlotte, MI 48813

## Inputs

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Wind Speed	105	mph
Board Width	24	ft
Board Height	22.45	ft
Board Bottom Elevation	10	ft
Safety Factor	1.67	
Column Width	8	in
Column Count	2	
Column Yield Stress	50	ksi
Column Spacing	16	ft
Pier Diameter	3	ft
Lateral Bearing Soil Pres.	300	psf/ft
Exposure	C	
Unbraced Length	10	ft
ASCE Version	ASCE 7-10	

## Results

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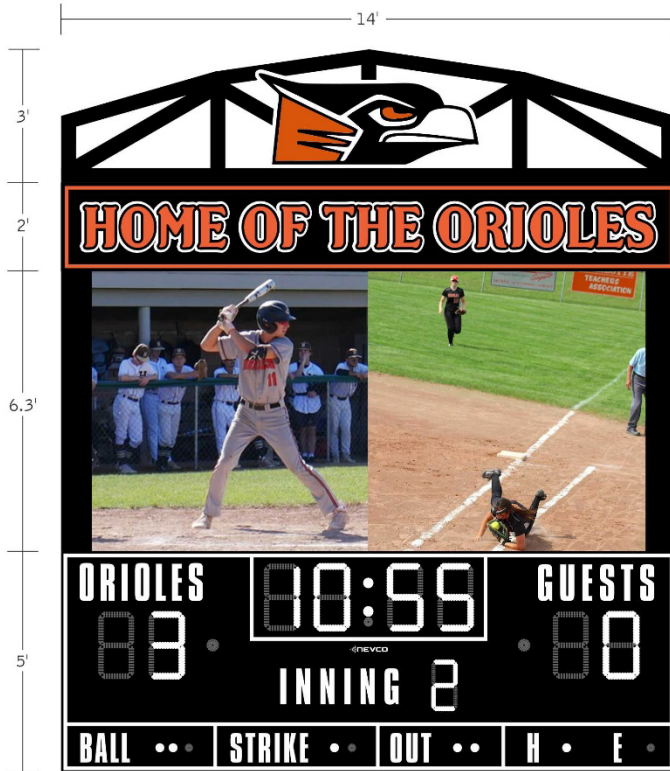
Total Steel weight	3999.6	
Column Length	45.45	ft
Governing Moment	W21 x 44	kip-ft
Pier Depth	14	ft

# Charlotte High School Outdoor Facilities Display & Scoring Improvements

## Baseball & Softball Display (Qty 2)

CHARLOTTE HIGH SCHOOL, CHARLOTTE, MI

**PROOF #68529C**



**PROOF INCLUDES:**

- **Model 1654-W Baseball/Softball LED Scoreboard with All-White Digits**  
14'W x 5'H x 8'D  
Scoreboard Color: 183 Jet Black  
Digit Color: White  
Custom Team Name: ORIOLES
  - **Full Color LED Video Display**  
6.3'H x 12.6'W 10mm  
(192 x 384 pixel matrix)
  - **Filler Panel**  
(2) .7'W x 6.3'H
  - **Non-illuminated Sign**  
14'W x 2'H
  - **Decorative Arch Truss**  
14'W x 3'H
  - **Decorative Arch Truss Logo**  
5'W x 5'H
- \*Truss logo may require additional support.

SIGNATURE OF APPROVAL \_\_\_\_\_

DATE \_\_\_\_\_

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**See below for PRELIMINARY steel selections for proof 68529A. All preliminary steel and electrical selections are meant for pricing purposes only and should not be used for any construction purposes. All preliminary selections are subject to change.**

- (2) ea. 5" x 3" x 3/16" HSS tube laterals @ 14'
- (2) ea. 2-1/2" x 2-1/2" x 1/8" HSS tube laterals @ 9'
- (8) ea. 6.3' lengths Unistrut P1000SL

Charlotte High School  
Outdoor Facilities  
Display & Scoring Improvements

address: 378 State St, Charlotte, MI 48813

## Inputs

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Wind Speed	105	mph
Board Width	14	ft
Board Height	16.3	ft
Board Bottom Elevation	10	ft
Safety Factor	1.67	
Column Width	8	in
Column Count	2	
Column Yield Stress	50	ksi
Column Spacing	8	ft
Pier Diameter	3	ft
Lateral Bearing Soil Pres.	300	psf/ft
Exposure	C	
Unbraced Length	10	ft
ASCE Version	ASCE 7-10	

## Results

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Total Steel weight	1809.6	
Column Length	34.8	ft
Governing Moment	W12 x 26	kip-ft
Pier Depth	9.5	ft

# Charlotte High School Outdoor Facilities Display & Scoring Improvements

## Soccer Display (Qty 1)

CHARLOTTE HIGH SCHOOL, CHARLOTTE, MI

PROOF #68528C



### PROOF INCLUDES:

- **Model 3654-W Football/Soccer LED Scoreboard with All-White Digits**  
14'W x 4'H x 8'D  
Scoreboard Color: 183 Jet Black  
Digit Color: White  
Custom Team Name: ORIOLES
- **Full Color LED Video Display**  
6.3'H x 12.6'W 10mm  
(192x 384 pixel matrix)
- **Filler Panel**  
(2) .7'W x 6.3'H
- **Non-illuminated Sign**  
14'W x 2'H
- **Decorative Arch Truss**  
14'W x 3'H
- **Decorative Arch Truss Logo**  
5'W x 5'H

\*Truss logo may require additional support.

SIGNATURE OF APPROVAL \_\_\_\_\_ DATE \_\_\_\_\_

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[WWW.NEVCO.COM](http://WWW.NEVCO.COM)

**See below for PRELIMINARY steel selections for proof 68528A. All preliminary steel and electrical selections are meant for pricing purposes only and should not be used for any construction purposes. All preliminary selections are subject to change.**

- (2) ea. 5" x 3" x 3/16" HSS tube laterals @ 14'
- (2) ea. 2-1/2" x 2-1/2" x 1/8" HSS tube laterals @ 9'
- (8) ea. 6.3' lengths Unistrut P1000SL

Charlotte High School  
Outdoor Facilities  
Display & Scoring Improvements

address: 378 State St, Charlotte, MI 48813

## Inputs

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Wind Speed	105	mph
Board Width	14	ft
Board Height	15.3	ft
Board Bottom Elevation	10	ft
Safety Factor	1.67	
Column Width	8	in
Column Count	2	
Column Yield Stress	50	ksi
Column Spacing	8	ft
Pier Diameter	3	ft
Lateral Bearing Soil Pres.	300	psf/ft
Exposure	C	
Unbraced Length	10	ft
ASCE Version	ASCE 7-10	

## Results

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Total Steel weight	1757.6	
Column Length	33.8	ft
Governing Moment	W10 x 26	kip-ft
Pier Depth	9.5	ft



Charlotte High School  
Outdoor Facilities  
Display & Scoring Improvements

Main School Marquee (Qty 1)

CHARLOTTE HIGH SCHOOL, CHARLOTTE, MI

PROOF #68527B

PROOF INCLUDES:

- Marquee Kit - 3.94' x 10.24' 12mm Full Color Message Center (Double-Sided) w/2' High ADO-LED Signs



SIGNATURE OF APPROVAL \_\_\_\_\_ DATE \_\_\_\_\_

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Charlotte High School  
Outdoor Facilities  
Display & Scoring Improvements

Ancillary School's Marquee (Qty 4)

CHARLOTTE HIGH SCHOOL, CHARLOTTE, MI

PROOF #68586

PROOF INCLUDES:

- MK-12mm-3.15x7.87-2AD0L  
Marquee Kit - 3.15'x7.87'-12mm  
Full Color Message Center

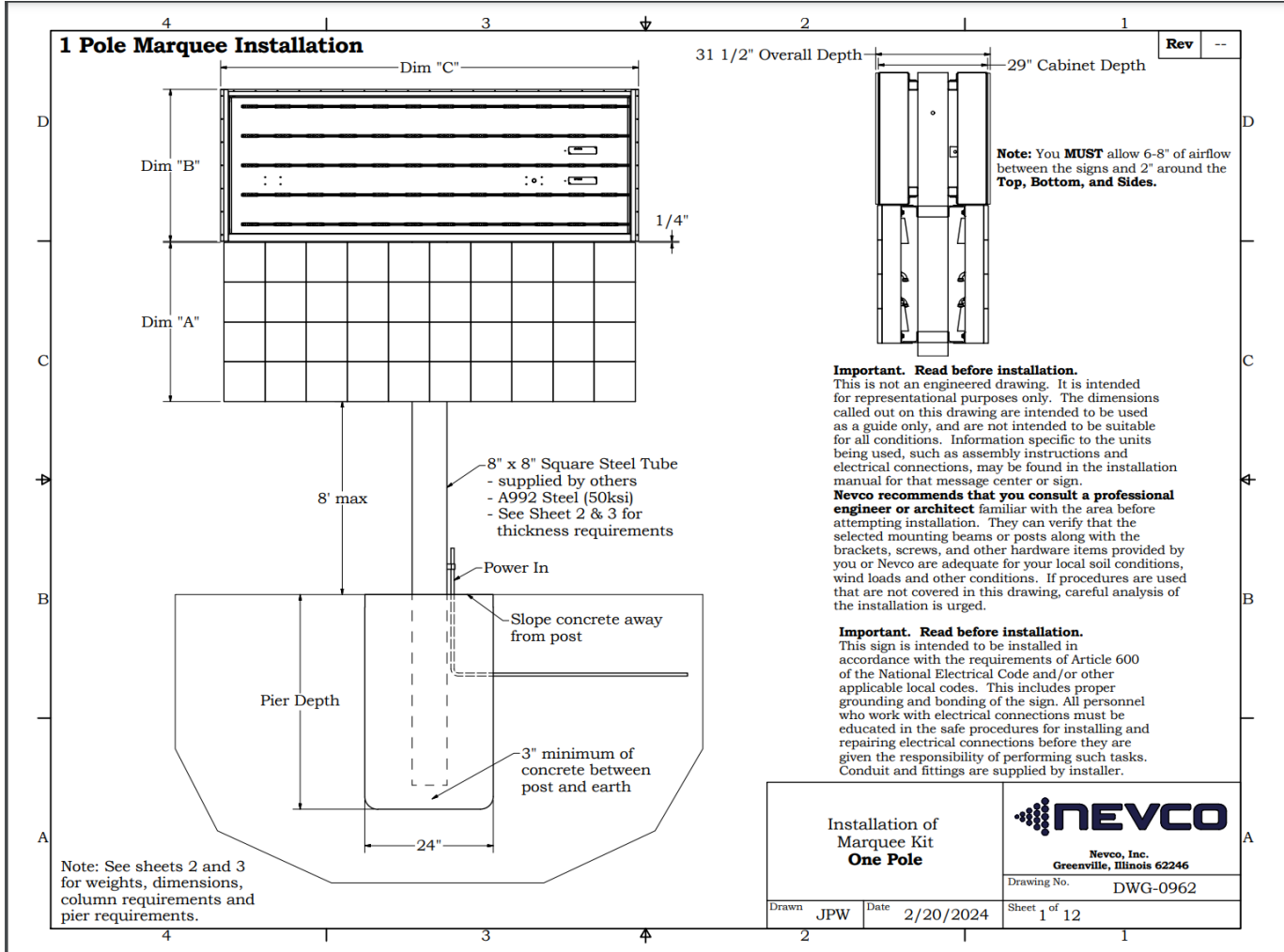


SIGNATURE OF APPROVAL \_\_\_\_\_ DATE \_\_\_\_\_

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# Charlotte High School Outdoor Facilities Display & Scoring Improvements



# Charlotte High School Outdoor Facilities Display & Scoring Improvements

## 1 Pole Marquee Installation

Rev	--
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EXPOSURE C						
105 MPH						
Dim "A"	Dim "B"	Dim "C"	Column Thickness (Square)	Pier Depth	Length of Column	Est. Weight
3'-1 13/16"	2'	7'-10 /12"	1/8"	6'	18'-10 13/16"	588
3'-1 13/16"	3'	7'-10 /12"	1/8"	6'	19'-10 13/16"	670
3'-11 1/4"	2'	7'-10 /12"	1/8"	6'	19'-8 1/4"	670
3'-11 1/4"	3'	7'-10 /12"	1/8"	6' - 6"	21'-2 1/4"	758
3'-11 1/4"	2'	10'-2 13/16"	1/8"	6' - 6"	20'-2 1/4"	778
3'-11 1/4"	3'	10'-2 13/16"	1/8"	7'	21'-8 1/4"	883
130 MPH						
Dim "A"	Dim "B"	Dim "C"	Column Thickness (Square)	Pier Depth	Length of Column	Est. Weight
3'-1 13/16"	2'	7'-10 /12"	1/8"	6' - 6"	19'-4 13/16"	595
3'-1 13/16"	3'	7'-10 /12"	1/8"	7'	20'-10 13/16"	683
3'-11 1/4"	2'	7'-10 /12"	1/8"	7'	20'-8 1/4"	683
3'-11 1/4"	3'	7'-10 /12"	3/16"	7' - 6"	22'-2 1/4"	912
3'-11 1/4"	2'	10'-2 13/16"	3/16"	7' - 6"	20'-11 1/4"	927
3'-11 1/4"	3'	10'-2 13/16"	3/16"	8'	22'-8 1/4"	1,041
150 MPH						
Dim "A"	Dim "B"	Dim "C"	Column Thickness (Square)	Pier Depth	Length of Column	Est. Weight
3'-1 13/16"	2'	7'-10 /12"	3/16"	7' - 6"	20'-4 13/16"	737
3'-1 13/16"	3'	7'-10 /12"	3/16"	8'	21'-10 13/16"	835
3'-11 1/4"	2'	7'-10 /12"	3/16"	8'	21'-8 1/4"	835
3'-11 1/4"	3'	7'-10 /12"	3/16"	8' - 6"	23'-2 1/4"	932
3'-11 1/4"	2'	10'-2 13/16"	3/16"	8' - 6"	21'-11 1/4"	946
3'-11 1/4"	3'	10'-2 13/16"	1/4"	9'	23'-8 1/4"	1,208

**Chart Notes:**

1. Wind loading figured at **Exposure "C" - Open terrain** with scattered obstructions having heights generally less than 30 feet. This category includes flat open country, grasslands, and all water surfaces in hurricane prone areas.
2. The dimensions in the charts were calculated using ASCE 7-10, IBC 2012 (pier depth), and the Manual of Steel Construction (13th Edition). Lateral bearing pressure was considered to be 150 psf/f.
3. Although these calculations were made using the latest information, the information is intended to be used as a guide only, and are not suitable for all conditions. Nevco recommends you consult a professional engineer or architect familiar with the area before attempting installation. They will be familiar with local conditions, codes, etc.
4. All structural steel to be grade A992 (50 ksi) steel.

Installation of Marquee Kit <b>One Pole</b>		 <b>NEVCO</b> Nevco, Inc. Greenville, Illinois 62246
Drawing No. <b>DWG-0962</b>		
Drawn <b>JPW</b>	Date <b>2/20/2024</b>	Sheet <b>2</b> of <b>12</b>

# Charlotte High School Outdoor Facilities Display & Scoring Improvements

## 1 Pole Marquee Installation

Rev --

EXPOSURE B						
105 MPH						
Dim "A"	Dim "B"	Dim "C"	Column Thickness (Square)	Pier Depth	Length of Column	Est. Weight
3'-1 13/16"	2'	7'-10 /12"	1/8"	5'	17'-10 13/16"	575
3'-1 13/16"	3'	7'-10 /12"	1/8"	5' - 6"	19'-4 13/16"	663
3'-11 1/4"	2'	7'-10 /12"	1/8"	5' - 6"	19'-2 1/4"	663
3'-11 1/4"	3'	7'-10 /12"	1/8"	5' - 6"	20'-2 1/4"	744
3'-11 1/4"	2'	10'-2 13/16"	1/8"	5' - 6"	19'-2 1/4"	765
3'-11 1/4"	3'	10'-2 13/16"	1/8"	6'	20'-8 1/4"	870
130 MPH						
Dim "A"	Dim "B"	Dim "C"	Column Thickness (Square)	Pier Depth	Length of Column	Est. Weight
3'-1 13/16"	2'	7'-10 /12"	1/8"	6'	18'-10 13/16"	588
3'-1 13/16"	3'	7'-10 /12"	1/8"	6'	19'-10 13/16"	670
3'-11 1/4"	2'	7'-10 /12"	1/8"	6'	19'-8 1/4"	670
3'-11 1/4"	3'	7'-10 /12"	1/8"	6' - 6"	21'-2 1/4"	758
3'-11 1/4"	2'	10'-2 13/16"	1/8"	6' - 6"	20'-2 1/4"	778
3'-11 1/4"	3'	10'-2 13/16"	1/8"	7'	21'-8 1/4"	883
150 MPH						
Dim "A"	Dim "B"	Dim "C"	Column Thickness (Square)	Pier Depth	Length of Column	Est. Weight
3'-1 13/16"	2'	7'-10 /12"	1/8"	6' - 6"	19'-4 13/16"	595
3'-1 13/16"	3'	7'-10 /12"	1/8"	7'	20'-10 13/16"	683
3'-11 1/4"	2'	7'-10 /12"	1/8"	7'	20'-8 1/4"	683
3'-11 1/4"	3'	7'-10 /12"	3/16"	7' - 6"	22'-2 1/4"	912
3'-11 1/4"	2'	10'-2 13/16"	3/16"	7' - 6"	21'-2 1/4"	927
3'-11 1/4"	3'	10'-2 13/16"	3/16"	8'	22'-8 1/4"	1,041

**Chart Notes:**

1. Wind loading figured at **Exposure "B" - Urban and suburban areas**, wooded areas, or other terrain with numerous closely spaced obstructions having the size of single-family dwellings or larger. These areas prevail in the upwind direction for a distance of 2600 feet or 20 times the structure height, whichever is greater.
2. The dimensions in the charts were calculated using ASCE 7-10, IBC 2012 (pier depth), and the Manual of Steel Construction (13th Edition). Lateral bearing pressure was considered to be 150 psf/f.
3. Although these calculations were made using the latest information, the information is intended to be used as a guide only, and are not suitable for all conditions. Nevco recommends you consult a professional engineer or architect familiar with the area before attempting installation. They will be familiar with local conditions, codes, etc.
4. All structural steel to be grade A992 (50 ksi) steel.

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