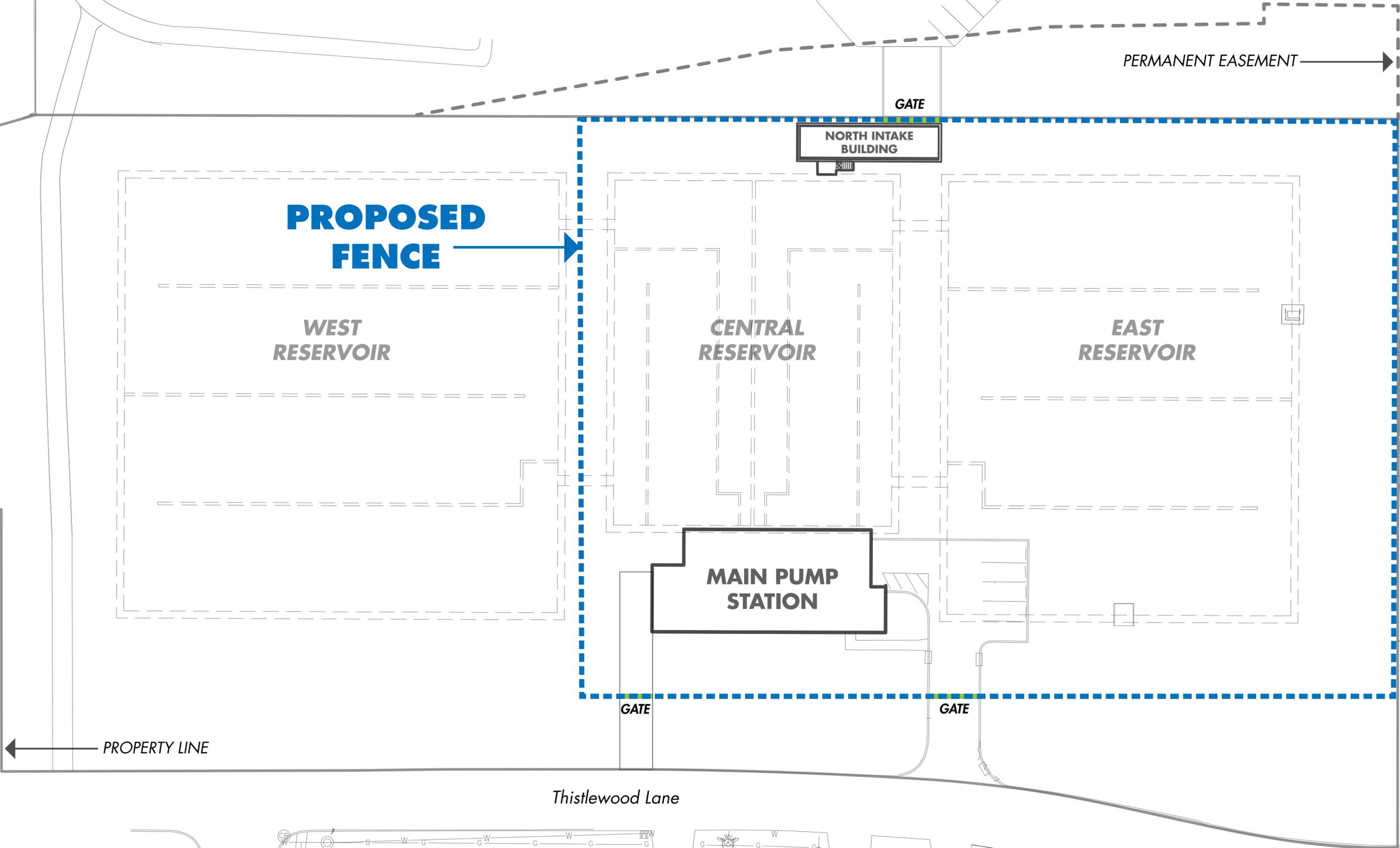


LIBERTY ELEMENTARY SCHOOL



PROPOSED FENCE

WEST RESERVOIR

CENTRAL RESERVOIR

EAST RESERVOIR

MAIN PUMP STATION

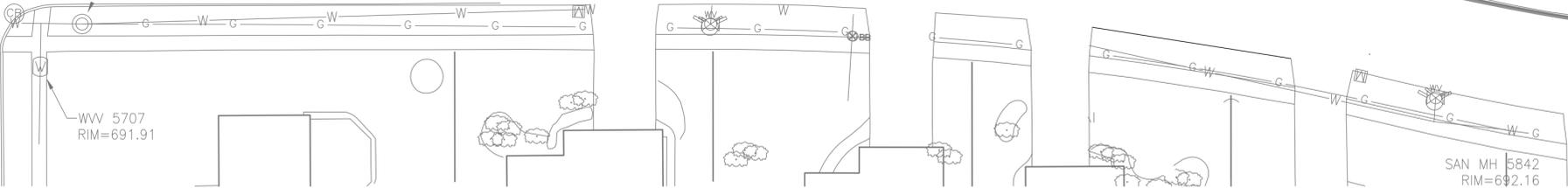
NORTH INTAKE BUILDING

PERMANENT EASEMENT

PROPERTY LINE

Thistlewood Lane

Black Friars Road



Main Pump Station Security Fence Project

CONTEMPO

CLEAR SEE-THROUGH DESIGN | SIMPLE CONTEMPORARY STYLE | HIGH-LEVEL SECURITY STRENGTH

When security matters, there's **Contempo**, designed to meet the toughest security challenges.

Difficult to climb or penetrate, made to last, and competitively priced, Contempo's 4-gauge vertical wires are sandwiched between two 1-gauge horizontal wires, making this fence an exceptional solution for even the highest levels of security, including multi-level and sloped installations.



INSTALLATION COMPONENTS



PANEL

DESIGN	HEIGHT	LENGTH	OPENING
HEAVY DUTY	48 1/2"	98 1/2"	2X8"
	72 1/16"	98 1/2"	2X8"
	95 3/4"	98 1/2"	2X8"
	119 1/4"	98 1/2"	2X8"

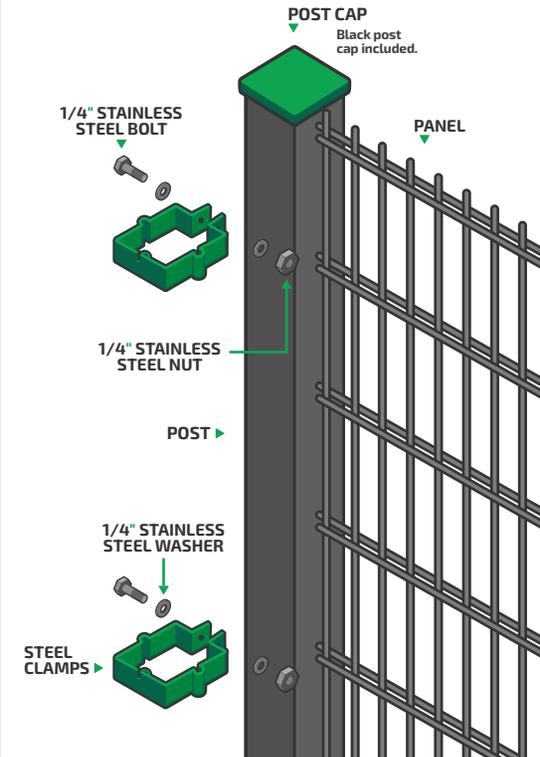
VERTICAL WIRE

DESIGN	WIRE TENSILE STRENGTH	GAUGE
HEAVY DUTY	75,000 - 105,000 PSI	4

DOUBLE HORIZONTAL WIRE

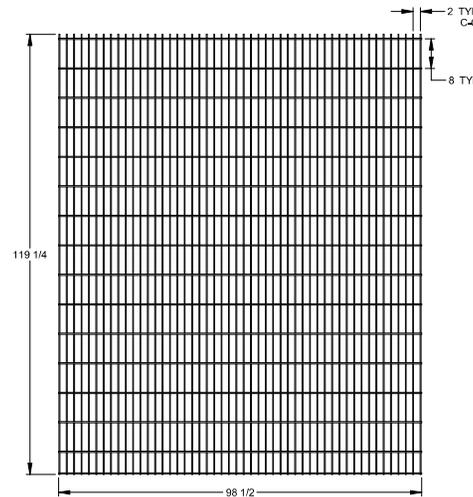
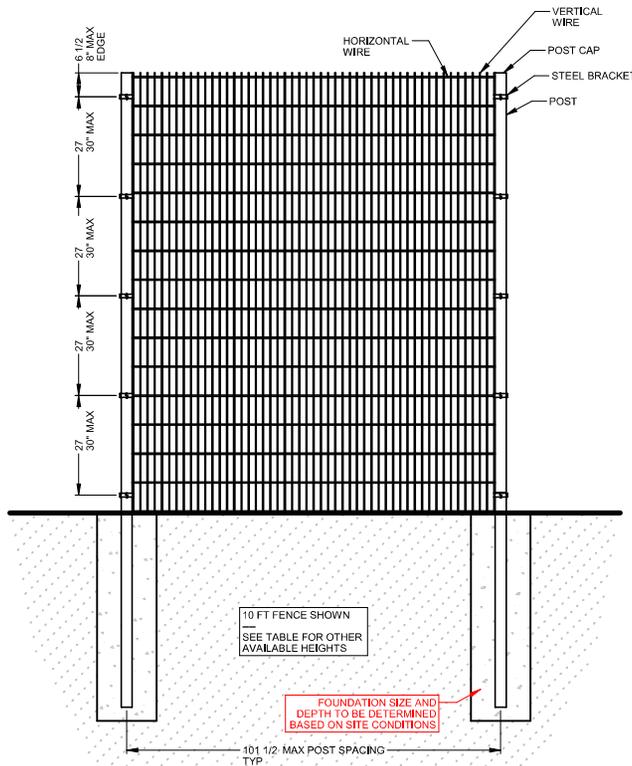
DESIGN	WIRE TENSILE STRENGTH	GAUGE
HEAVY DUTY	80,000 - 95,000 PSI	1

- Black post cap included.
- Posts are available in multiple sizes and lengths.
- V, T or 45-degree extensions available welded to post or add-on.
- Please consult one of our distributors for additional details.
- Wire dimensions are center to center.

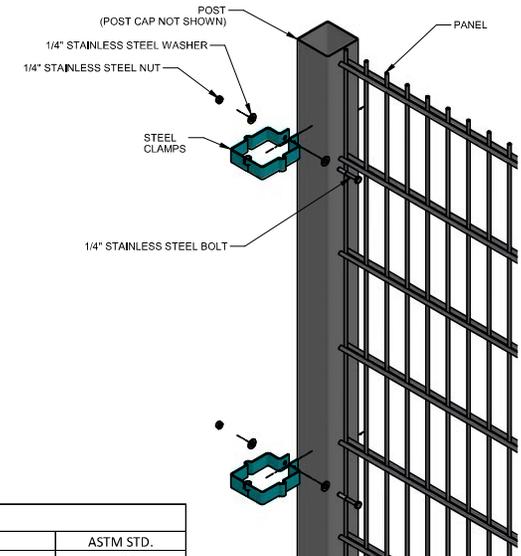


REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED
	B	TITLE BLOCK, NOTE UPDATES	8/24/2023	



CONTEMPO - 10 FT



10 FT FENCE SHOWN
SEE TABLE FOR OTHER
AVAILABLE HEIGHTS

FOUNDATION SIZE AND
DEPTH TO BE DETERMINED
BASED ON SITE CONDITIONS

101 1/2" MAX POST SPACING
TYP.

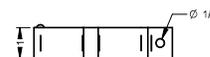
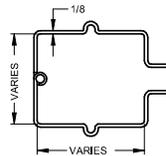
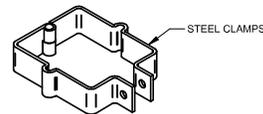
DMF SPECIFICATIONS						
	ITEM	DIMS./THICKNESS	YIELD STRENGTH	TENSILE STRENGTH	MATERIAL	ASTM STD.
POST	SIZE	VARIES	50 KSI	62 KSI	CARBON STEEL	A500
	COATING	0.9 OZ/SQFT	-	-	ZINC	A653 TABLE 1
POST CAP	SIZE	VARIES	-	-	PLASTIC INJECTION	-
	COATING	100 MICRONS	-	-	POWDER COATING	D7091
CLAMPS	COATING	-	-	-	ELECTROGALVANIZED STEEL	-
	HORIZONTAL WIRE	0.18" ϕ +/- 0.0019"	-	80 KSI	-	A641
PANEL	VERTICAL WIRE	0.18" ϕ +/- 0.0019"	-	80 KSI	-	A641
	COATING	100 MICRONS	-	-	ZINC	D7091

REQUIRED MINIMUM POST SIZE				
WIND SPEED (EXP C)	FENCE HEIGHT (ABOVE GRADE)			
	10 FT	8 FT	6 FT	4 FT
180 MPH	4 x 4 x 11 GA	3 x 3 x 11 GA	2.25 x 2.25 x 16 GA	2.25 x 2.25 x 16 GA
120 MPH	3 x 3 x 11 GA	2.25 x 2.25 x 12 GA	2.25 x 2.25 x 16 GA	2.25 x 2.25 x 16 GA

NOTES:

- OBTAIN APPROVAL / ENGINEERING FOR LOCAL SITE CONDITIONS, BUILDING CODE REQUIREMENTS, AND OBTAIN ALL NECESSARY BUILDING PERMITS
- SCOPE
 - APPROVAL OF THE POSTS & BRACKETS FOR THE DEACERO CONTEMPO FENCE SYSTEM
 - BY OTHERS: FABRICATION, INSTALLATION, FOUNDATIONS, SOIL / SITE CONDITIONS
- LOADS
RISK CATEGORY = I, EXPOSURE CATEGORY C
WIND (ULT): V = 180 MPH, qz = 59.9 PSF
WIND (ULT): V = 120 MPH, qz = 26.6 PSF
- STEEL
 - REFER TO SPECIFICATIONS
- WELDING
 - ALL WELDING TO BE IN ACCORDANCE WITH AWS D1.1 OR EQUIVALENT
- DO NOT ATTACH ANY OBJECTS TO FENCE THAT WOULD IMPEDE AIRFLOW THROUGH THE FENCE IN ANY MANNER (NO SIGNAGE, BANNERS, ETC.)

NOTE: WIRE DIMENSIONS ARE CENTER-TO-CENTER



This item has been digitally signed and sealed by
Zane C. Pucylowski, PE on **08/24/2023**.
Printed copies of this document are not
considered signed and sealed and signature must
be verified on any electronic copies.



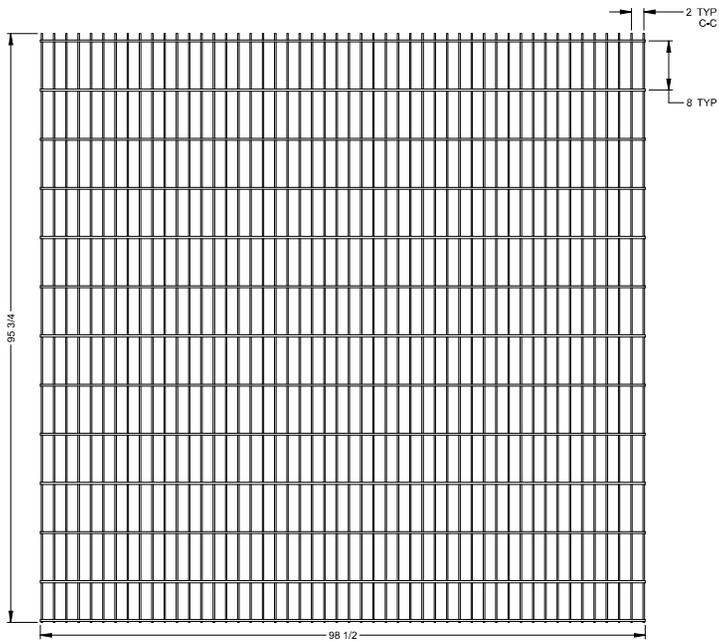
Certificate of Authorization No.: 31431

8/24/2023

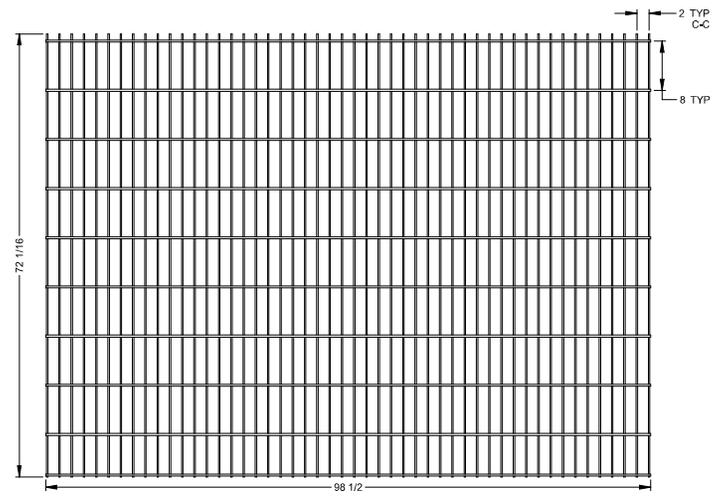
DIMENSIONS IN INCHES UNLESS NOTED OTHERWISE		DRAWN	DATE	
TOLERANCES		AD	5/30/2023	
3 PLACE DECIMAL	± .005	CHECKED	DATE	
2 PLACE DECIMAL	± .02	MR	5/30/2023	
1 PLACE DECIMAL	± .1	QA		
ANGLES	± 0.5°	MFG		
FRACTIONAL	± 1/16	APPROVED		
BREAK SHARP EDGES AND CORNERS .010 MAX				SIZE B DWG NO. 23SY-DEA-00033-2 REV B
SCALE NONE				SHEET 1 OF 2



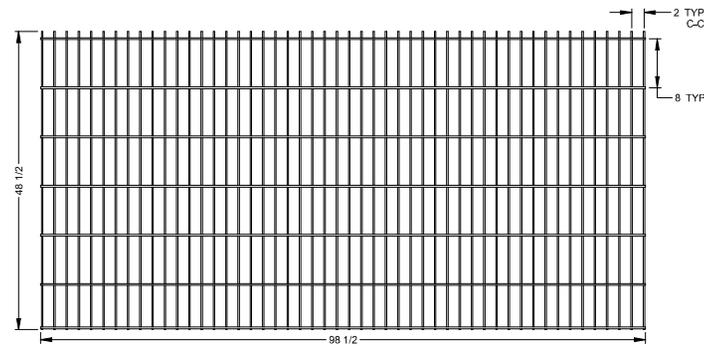
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	B	TITLE BLOCK, NOTE UPDATES	8/24/2023	



CONTEMPO - 8 FT



CONTEMPO - 6 FT



CONTEMPO - 4 FT

This item has been digitally signed and sealed by **Zane C. Pucylowski, PE** on **08/24/2023**.
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Certificate of Authorization No.: 31431

8/24/2023

NOTE: WIRE DIMENSIONS ARE CENTER-TO-CENTER

DIMENSIONS IN INCHES UNLESS NOTED OTHERWISE TOLERANCES 3 PLACE DECIMAL ± .005 2 PLACE DECIMAL ± .02 1 PLACE DECIMAL ± .1 ANGLES ± 0.5° FRACTIONAL ± 1/16 BREAK SHARP EDGES AND CORNERS, 0.10 MAX	DRAWN	AD	DATE	5/30/2023		CONTEMPO FENCE SYSTEM					
	CHECKED	MR	DATE	5/30/2023		SIZE	B	DWG NO.	23SY-DEA-00033-2	REV	B
	QA					SCALE	NONE	SHEET	2 OF 2		
	APPROVED										



25-Year Limited Warranty Warranty Terms and Conditions

The Designmaster Fencing System is a Brand of Architectural and Ornamental Welded Wire Fence products that are offered by Mid Continent Steel and Wire, Inc. (hereafter known as The Company). It includes multiple styles of Panels, Posts and affixing hardware and components that are manufactured to the highest standards.

When purchased from an authorized distributor or dealer, installed by a licensed fence contractor, and properly maintained according to the Designmaster Fence Maintenance Guide, the product is covered by a Twenty-Five (25) Year Warranty against defects in Workmanship or materials, and the appearance of red rust.

The Warranty is for the original purchaser (fence owner), submitting a completed Warranty Registration Card within 30 days of purchase. The Warranty Registration Card must be completed by the original purchaser (fence owner) and submitted directly to The Company, along with a copy of the receipt or proof of purchase.

Should any component of the Designmaster Fencing System manufactured by The Company, fail due to defects in Workmanship or materials, or there is the appearance of red rust, The Company warrants to the original purchaser (fence owner) one of the following options: a replacement (material only, excludes freight and labor) or an issuance of a pro-rated credit. The decision as to which option is solely at the discretion of The Company. If the pro-rated credit is selected, the amount will be based on the total number of years under warranty from date of purchase to date of claim, based on the original cost of materials found to be defective.

In all cases, notice of failure under the conditions of this warranty must be promptly submitted by original purchaser (fence owner) directly to The Company within 30 days of the defect being observed. The notification must be in writing, with proof of purchase, and provide details of the defect.

In order to validate any claim, The Company reserves the right to inspect (in person) the defective material and the complete installation prior to any modifications, movement or removal.

This Warranty may be Void under any of the following conditions, including but not limited to:

- Not installed per the manufacturer's guidelines or purpose other than intended by the manufacturer.
- Damage from chemical exposure, a salty environment, other caustic agents or standing water.
- Excessive loads such as the accumulation of snow, ice or other debris, natural or manmade.
- Use or incorporation of any Non-Designmaster Fencing System parts or components.
- Damage arising from Acts of God, Vandalism, Accidents, other misuse or abuse.
- Damage or defects that occur during transportation or during installation.
- Situations other than those considered to be normal working conditions.
- Modifications, alterations, adjustments or repairs to the product.

The above constitutes the complete warranty by the manufacturer. No other agreement, written or implied, is valid. The Company does not authorize any other person or agent to make any other express warranties.

CUT HERE

WARRANTY REGISTRATION CARD

Name of Purchaser: _____

Telephone: _____ Fax: _____ E-Mail: _____

Postal Address: _____

Location of Fence: _____

Date of Purchase: _____ Merchant: _____

Purchaser's Signature: _____

Note: Please attach to this Warranty Registration Card a copy of your purchase receipt and return within thirty (30) days of purchase.

Maintenance Guide

IMPORTANCE OF PREVENTIVE CARE MAINTENANCE

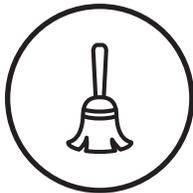
Consistent preventative maintenance on the Designmaster Fence product is very important to avoid harmful agents in the environment from negatively affecting it over time.

The most common agents are:

- LIQUID OR SOLID FATS
- SAND / SILICA
- CHEMICALS / ALKALINE ACIDS
- VEHICLE EMISSIONS
- ALCOHOL
- SEVERAL TYPES OF POLLUTION
- SALT



MAINTENANCE TOOLS



FEATHER DUSTER

Removes dust and other agents that can accumulate on the fence.



GARDEN HOSE

Removes fatty chemical/liquid agents, or other build up, especially on the V brace.



SOFT TIP BRUSH

Removes any agents stuck to the fencing system components, especially where the panel is welded.

PROPER CARE MAINTENANCE

Clean your fence regularly, at least once a month. Before dirt and stains build up and become difficult to remove. Follow these easy steps:

01 STEP 1

Use a feather duster and clean each panel, post, and affixing component.

02 STEP 2

Rinse fence thoroughly with a garden hose--no cleaning solutions or soaps are necessary. Make sure that all posts are capped to prevent water from entering.

03 STEP 3

If stains persist, use a soft tipped brush and scrub. Pay special attention to the welded areas of the fence.



Sales and information
1 800 332 2376

Customer Service
1 800 862 9021

deacero.com
info@deacero.com

 GrupoDeacero

 @GrupoDeacero

 GrupoDeacero1



DESIGNMASTER FENCE CONTEMPO WELDED WIRE FENCES AND GATES

CONSTRUCTION SPECIFICATIONS INSTITUTE MASTERFORMAT SECTION 32 31 XX

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Steel welded wire fences.
2. Steel welded wire gates.
3. Concrete post foundations.

B. Related Sections:

1. Division 01: Administrative, procedural, and temporary work requirements.
2. Section 03 3000 - Cast-In-Place Concrete.
3. Section 31 2300 - Excavation and Fill.

1.2 REFERENCES

A. ASTM International (ASTM):

1. A185/A185M - Standard Specification for Steel Welded Wire Reinforcement, Plain, for Concrete.
2. A641/A641M - Standard Specifications for Zinc-Coated (Galvanized) Carbon Steel Wire.
3. B117 - Standard Practice for Operating Salt Spray (Fog) Apparatus.
4. C94 - Standard Specification for Ready-Mixed Concrete.
5. D3359 - Standard Practice for Measuring Adhesion by Tape Test.

1.3 SUBMITTALS

A. Submittals for Review:

1. Shop Drawings: Indicate fence locations, post spacing, system components, and accessories.
2. Product Data: Manufacturer's descriptive data.
3. Samples:
 - a. [12 x 12] [_x_] inch fence panel samples.
 - b. [12] [_] inch long post samples.
 - c. Cap and bracket samples.

B. Sustainable Design Submittals:

1. Recycled Content: Certify recycled content of steel; indicate recycled content percent and whether pre-consumer or post-consumer [LEED MR Credit 4.1/4.2].
2. Regional Materials: Certify materials extracted, processed, and manufactured within 500 mile radius of Project site [LEED MR Credit 5].

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Minimum [2] [_] years [documented] experience in work of this Section.

B. Mockup:

1. Size: Minimum [16] [] feet long x full height.
2. Show: Fence posts, panels, and accessories.
3. Locate [where directed.] []
4. Approved mockup may [not] remain as part of the Work.

1.5 WARRANTIES

A. Furnish manufacturer's warranty providing coverage against corrosion of galvanized steel coatings and blistering or loosening of powder coatings.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Contract Documents are based on products by Deacero S.A. DE C.V.
B. Substitutions: [Under provisions of Division 01.] [Not permitted.]

2.2 COMPONENTS

A. Fence Panels:

1. Resistance welded steel wire mesh, ASTM A185/A185M, double 1 gauge horizontal wires with 4 gauge vertical wires between, all are Class 1 galvanized steel wire per ASTM A641/A641M, 2 x 8 inch mesh, stiffened.
2. Height: [4] [6] [8] feet.
3. Wire breaking load: Minimum 75,000 to 105,000 PSI.
4. Weld shear strength: Minimum 1,050 pounds.

B. Posts:

1. Galvanized steel tube, ASTM A513/A787, G60 coating class, 3 x 3 inches, 11 gauge.
2. Length: To suit panel height and post mounting method.
3. Post caps: Ultraviolet-protected plastic, sized to post dimensions, friction fit.
4. Post bases: Not applicable.
5. Extension arms: Same material and size as posts, welded to post tops at 45 degree angle, for attachment of [barbed wire using clips and machine bolts.] [Fence panels using post brackets.]

C. Post Brackets:

1. Galvanized steel and powder coated, sized to post dimensions, with stainless steel hardware.

D. Gates:

1. Custom built by design. Includes any specified hardware.

2.3 ACCESSORIES

A. Concrete: As required by local building codes.

2.4 FINISHES

A. Fence Panels and Posts:

1. Polyester powder coated to approximately 4 mils thickness, free of both Triglycidyl Isocyanurate (TGIC) and Volatile Organic Compounds, [Black] [White] [Green] [Brown] [Gray] [Blue] [Red] [Yellow] color.
2. Salt spray resistance: No rusting or blistering tested to ASTM B117 for 1000 hours.
3. Adhesion: Tested to ASTM D3359, Method B.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install fencing in accordance with manufacturer's instructions and approved Shop Drawings.
- B. Drill post holes into undisturbed or compacted soil in accordance with local building codes.
- C. Set posts with bottom hole in accordance with local building codes.
- D. Place concrete around posts in accordance with local building codes.
- E. Pour top of footings in accordance with local building codes.

**** OR ****

3.2 INSTALLATION

- A. Install fencing in accordance with manufacturer's instructions and approved Shop Drawings.

3.3 INSTALLATION TOLERANCES

- A. Maximum Variation from Plumb: [1/4] [] inch in 10 feet.
- B. Maximum Offset from True Position: [1] [] inch.