

Sauk Valley Community College
May 20, 2024

Action Item 4.6

Topic: **Contract Approval – The Larson Equipment & Furniture Company – Interkal Bleachers**

College Health Metric: **Campus Environment – College facilities and grounds are clean and updated. The campus is safe, secure and welcoming.**

Presented By: **Dr. David Hellmich, Dr. Jon Mandrell, and Richard Groleau**

Presentation:

The existing bleacher system in the Sauk Valley Community College gymnasium is approximately 40 years old and has exceeded its service life. Safety concerns and complications with motors and mechanisms within the system are becoming more frequent. The College can continue to provide safe and comfortable seating options for spectators at events in the gymnasium with a new bleacher system.

The College obtained proposals from two installers representing two bleacher system manufacturers. Each proposal received was based on contract pricing and terms in accordance with the Governmental Joint Purchasing Act (30 ILCS 525/) and, therefore, not subject to further public solicitation requirements in accordance with the Board Policy 305.01 and the Public Community College Act (110 ILCS 805/). The results were as follows:

<u>Proposal</u>	<u>Pricing</u>	<u>Delivery/Install</u>	<u>Bleacher Brand</u>
The Larson Equipment and Furniture Co	\$ 264,169.00	March/April 2025	Interkal
H2I Group	\$ 274,277.33	March/April 2025	Irwin

The preferred proposal is from The Larson Equipment and Furniture Company with an amount of \$264,169. Representatives from this company were interviewed, and the equipment and delivery timeframe were confirmed. This vendor has the experience, capability, forces, and equipment needed by the College. The contract pricing and terms are through the Interlocal Purchasing System (TIPS).

Funding Source:

Restricted use Funding Bond Proceeds.

Recommendation:

The administration recommends the Board approve the contract with The Larson Equipment and Furniture Company of Schaumburg, Illinois with a total contract amount of \$264,169 to be paid from restricted funding bonds.

THE LARSON
EQUIPMENT AND FURNITURE
COMPANY

FOR ALL PLACES OF ASSEMBLY

1000 E. State Parkway Unit F (847) 705-0460
Schaumburg, IL 60173 Fax: (847) 705-0560

01.23.24

BID PROPOSAL

PROJECT NAME: Sauk Valley Community College – Bleacher Removal/Install

TIPS PURCHASING CO-OP PRICING PROPOSAL – Interkal TIPS Contract# 23080101

LARSON EQUIPMENT PROPOSES TO FURNISH AND INSTALL THE FOLLOWING, PRICED OUT AS ONE COMPLETE ORDER, PREVAILING WAGE LABOR, NO TAX OR M/WBE INCLUDED:

Remove existing gym bleachers

Install new Interkal bleachers:

1 bank – 9 rows – 85'7"L, Wall Attached, 10-1/4" Rise, 22" Span, Limit Switches, Friction, ESM 10", End Rails, End Panels, Notchouts, as necessary

1 bank – 12 rows – 85'6"L, Wall Attached, 10-1/4" Rise, 22" Span, Limit Switches, Friction, ESM 10", End Rails, End Panels, Notchouts/Truncations Recoverable, as necessary

Materials, Removal and Installation, with dumpsters- Delivered to the site... ONE DELIVERY:

\$264,169.00 – TIPS CO-OP PRICING – Contract 23080101

Tax not included

***ABOVE PRICING IS BASED ON TIPS CO-OP PURCHASE ***

All orders are to have quantities and sizes listed in this proposal any revisions and or changes will require repricing.

Conditions:

PRICE BASED ON MATERIAL DELIVERY ON OR BEFORE SUMMER 2024

WITH APPROVED PURCHASE ORDER RECEIVED WITHIN 30 DAYS FROM THE DATE OF THIS QUOTE.

Respectfully Submitted,

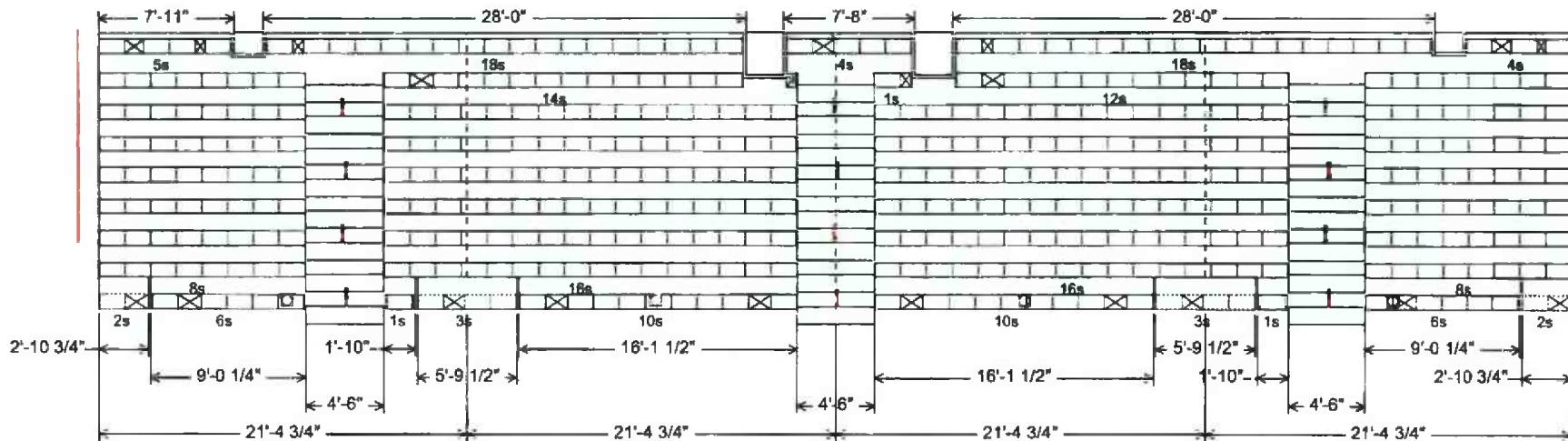
Neil O'Donnell - Larson Company – 847.705.0460 – nodonnell@larsoncompany.com

POWER REQUIREMENTS:

1. Wiring and non-fusible safety switch(es) suitable for the line voltage to be provided by electrical contractor or others with branch circuit protection to each not exceeding 15 amps.
2. Branch circuit protection devices by others to be accessible when platforms are closed.
3. Verify electrical information:
Circuit 3 Phase, 208-230 Volts, 60 Hertz.
Each 1/2 Horse Power Motor Draws 2.0-2.2 amps, Full Load.
Motors run simultaneously.
4. Junction box(es) by electrical contractor to be mounted at locations TBD, 5' AFF.
Typical location shall be at section joints.

Sauk Valley Community Center-South

Bank 1 - 85'-7" Friction Power
Building Code: IBC 2018
88'-1" Clear Dimension
9 Row - 22 Span - 10.25 Rise
424 seats (EM10)



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Plan View

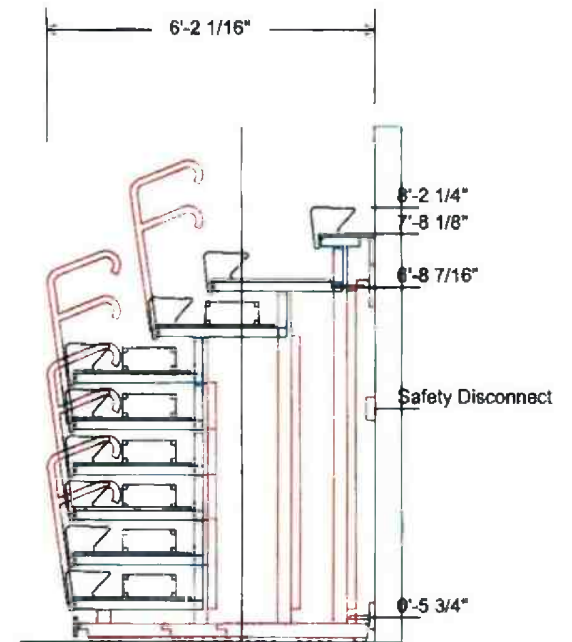
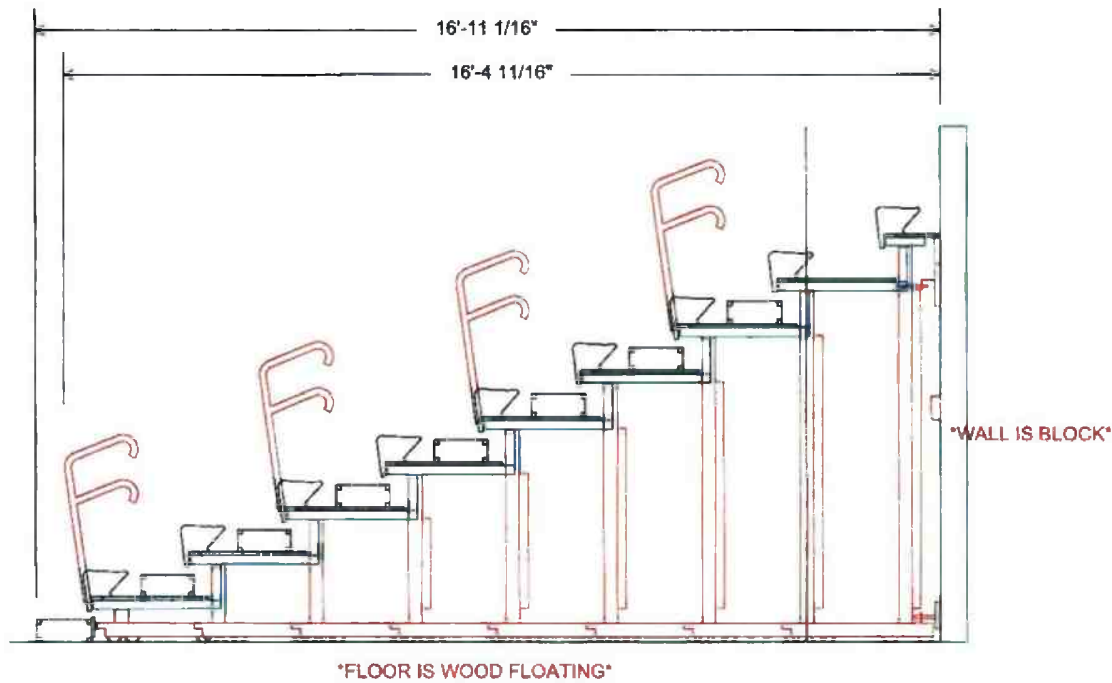
Sauk Valley Community Center-South

Bank 1 - 85'-7" Friction Power

Building Code: IBC 2018

9 Row - 22 Span - 10.25 Rise - Wall Attached

424 seats (EM10)



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Side Elevation View

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2. Branch circuit protection devices by others to be accessible when platforms are raised.
3. Verify electrical information:
Circuit 3 Phase, 208-230 Volts, 60 Hertz.
Each 1/2 Horse Power Motor Draws 2.0-2.2 amps, Full Load.
Motors run simultaneously.
4. Junction box(es) by electrical contractor to be mounted at locations TBD, 5' AFF.
Typical location shall be at section joints.

Sauk Valley Community Center-South

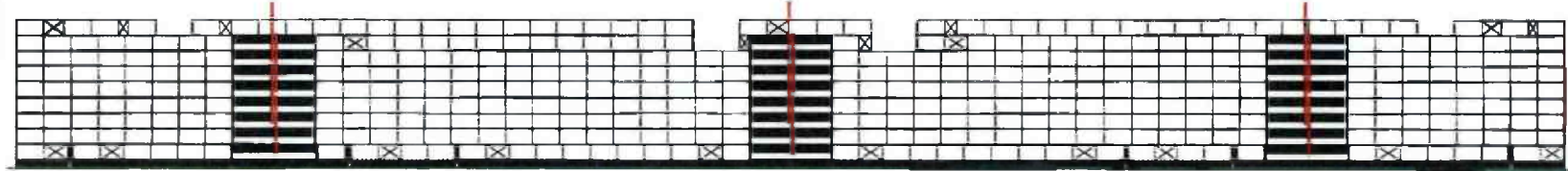
Bank 1 - 85'-7" Friction Power

Building Code: IBC 2018

88'-1" Clear Dimension

9 Row - 22 Span - 10.25 Rise

424 seats (EM10)



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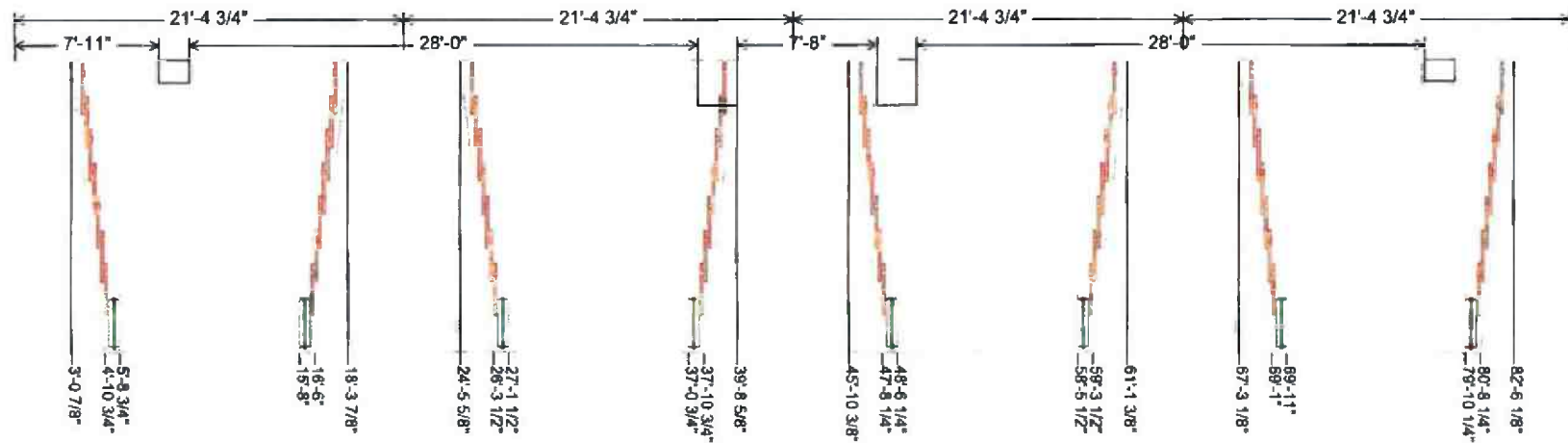
Front Elevation View

Sauk Valley Community Center-South

Bank 1 - 85'-7" Friction Power

Building Code: IBC 2018

88'-1" Clear Dimension



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Wheel Travel View

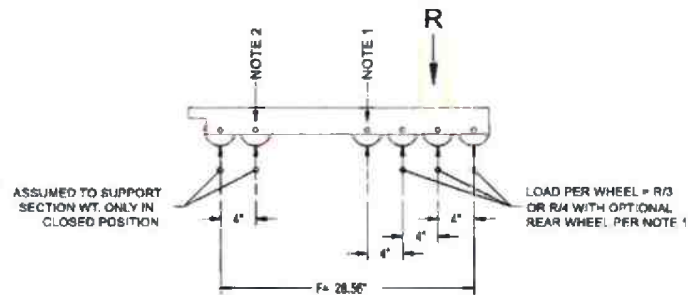
Sauk Valley Community Center-South

Bank 1 - 85'-7" Friction Power

Building Code: IBC 2018

THE INFORMATION CONTAINED ON THIS DRAWING IS TO BE CONSIDERED PRELIMINARY UNTIL INTERKAL RECEIVES FIELD CHECK AND APPROVED DRAWINGS. ANY CHANGES IN BANK LENGTH OR EQUIPMENT WILL VOID THESE DIMENSIONS.

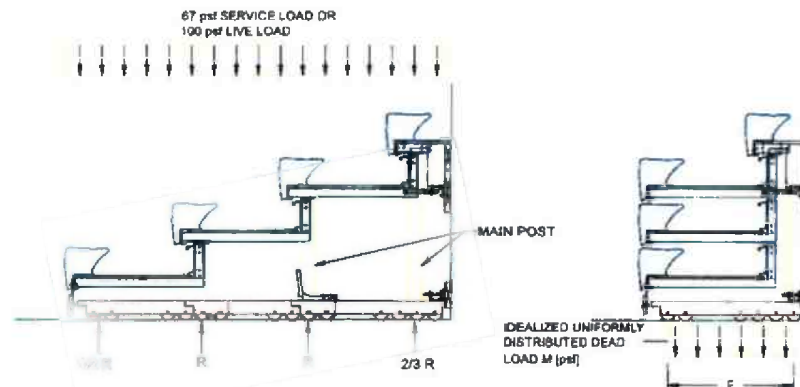
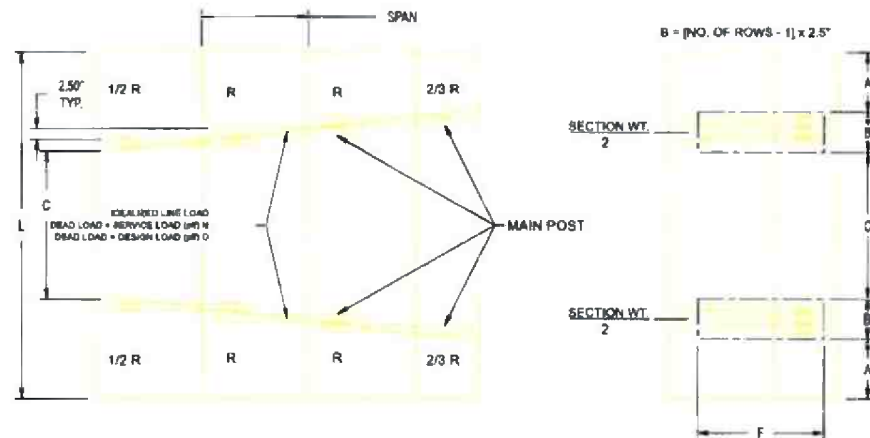
	Section 1	Section 2	Section 3	Section 4
Section Length L [ft]	21'-4 3/8"	21'-4 3/8"	21'-4 3/8"	21'-4 3/8"
Dimension A [ft]	3'-4 3/8"	3'-4 3/8"	3'-4 3/8"	3'-4 3/8"
Dimension B [in]	20	20	20	20
Dimension C [ft]	10'-4 3/8"	10'-4 3/8"	10'-4 3/8"	10'-4 3/8"
Total Section Weight W [lbs]	2028	2028	2028	2028
Retracted Floor Pressure M [psf]	362	362	362	362
Service Load + Dead Load N [psf]	813	813	813	813
Live Load + Dead Load O [psf]	1170	1170	1170	1170
Dead Load Per Wheel [lbs]	85	85	85	85
Dead Load Wheel Pressure [psi]	84	84	84	84
Service+Dead Loads Per Wheel [lbs]	487	487	487	487
Service+Dead Wheel Pressure [psi]	322	322	322	322
Live + Dead Loads Per Wheel [lbs]	715	715	715	715
Live + Dead Wheel Pressure [psi]	477	477	477	477



NOTE 1- WHEEL IS PROVIDED ON STANDARD PRODUCT IN HORSES 11 & UP.
THE WHEEL IS AVAILABLE AS AN OPTION ON HORSES 1-10.

NOTE 2- WHEEL IS PROVIDED ON STANDARD PRODUCT IN HORSES 16 & UP.
THE WHEEL IS AVAILABLE AS AN OPTION ON HORSES 1-15.

INFORMATION CONTAINED ON THIS DRAWING IS TO BE CONSIDERED PRELIMINARY. A WHEEL TRAVEL DRAWING INCORPORATING THE FINAL APPROVED LAYOUT AND ALL FIELD CHECK DIMENSIONS SHOULD BE REQUESTED FROM INTERKAL FOR USE IN DETERMINING LOCATIONS OF BLOCKING UNDER WOOD FLOORING, STRUCTURAL DESIGN OF SUPPORTED SLABS AND CONFIRMATION OF FINAL WHEEL LOADS. THE ARCHITECT IS RESPONSIBLE FOR COORDINATION AND COMPATIBILITY BETWEEN THE BLEACHER LOADS AND THE FINISHED FLOOR LOADS. INTERKAL RECOMMENDS THE USE OF HARDBOARD RUNNERS UNDER THE BLEACHER WHEELS WHEN OPERATING OVER ANY TYPE OF SYNTHETIC FLOORING.



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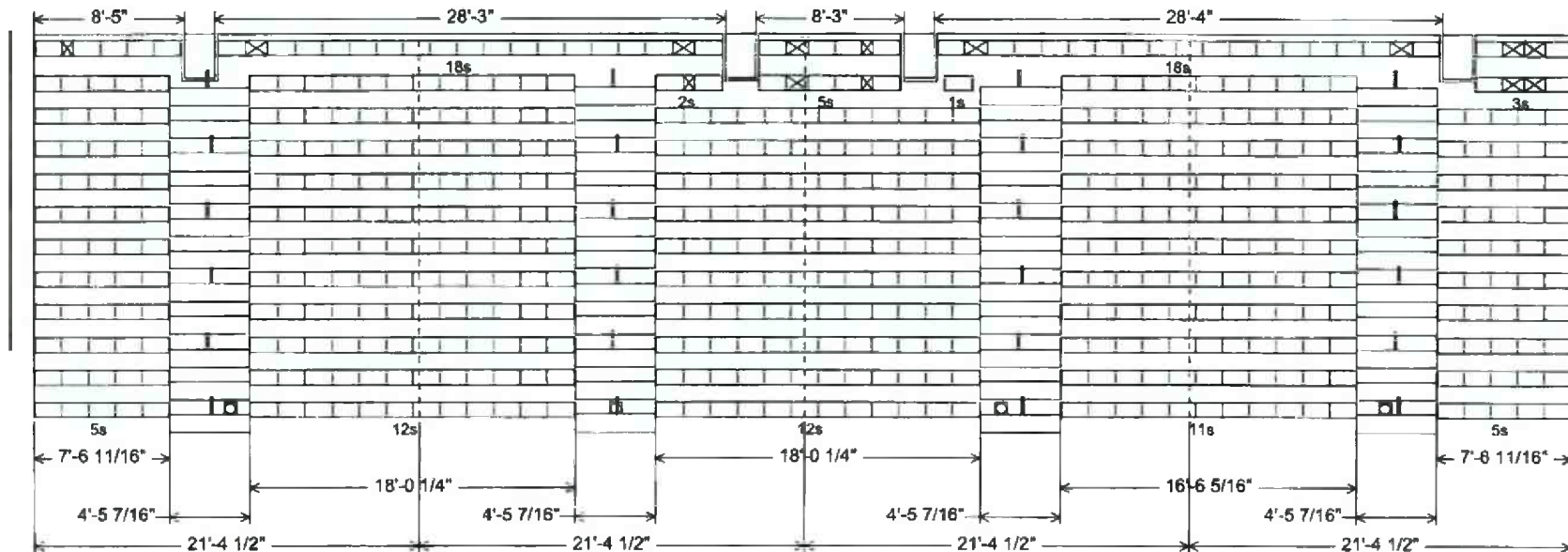
Wheel Load View

POWER REQUIREMENTS:

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Motors run simultaneously.
4. Junction box(es) by electrical contractor to be mounted at locations TBD, 5' AFF.
Typical location shall be at section joints.

Sauk Valley Community College-North

Bank 1 - 85'-6" Friction Power
Building Code: IBC 2018
88'-2" Clear Dimension
12 Row - 22 Span - 10.25 Rise
538 seats (EM10)



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Plan View

Sauk Valley Community College-North

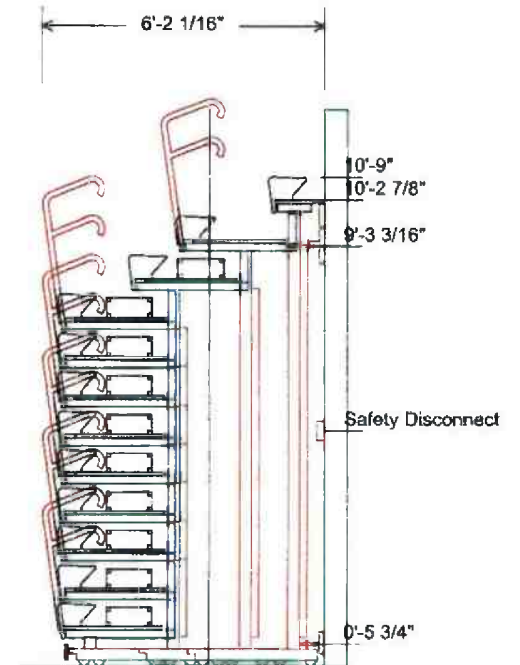
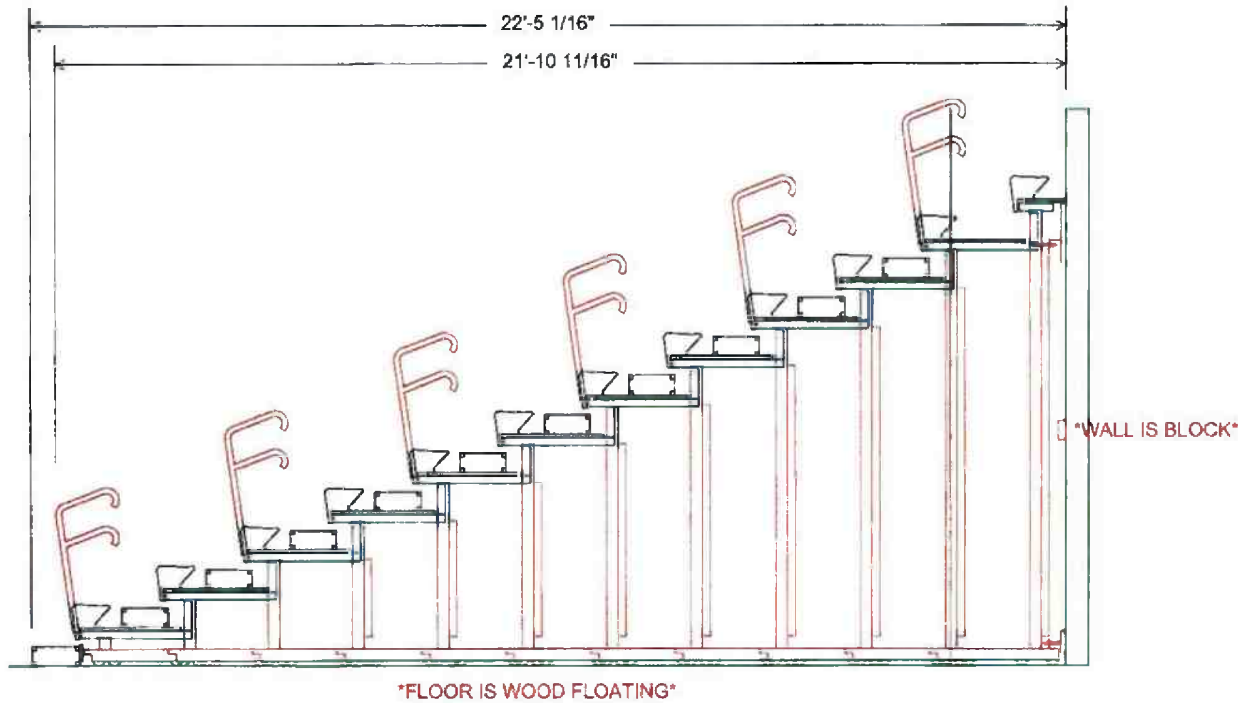
Bank 1 - 85'-8" Friction Power

Building Code: IBC 2018

12 Row - 22 Span - 10.25 Rise - Wall Attached

538 seats (EM10)

NOT TO CODE



Side Elevation View



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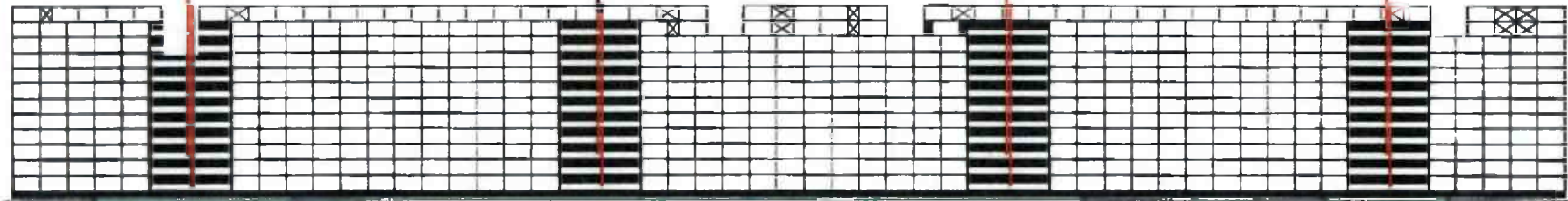
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Each 1/2 Horse Power Motor Drives 2.0-2.2 amps. Full Load.
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Front Elevation View

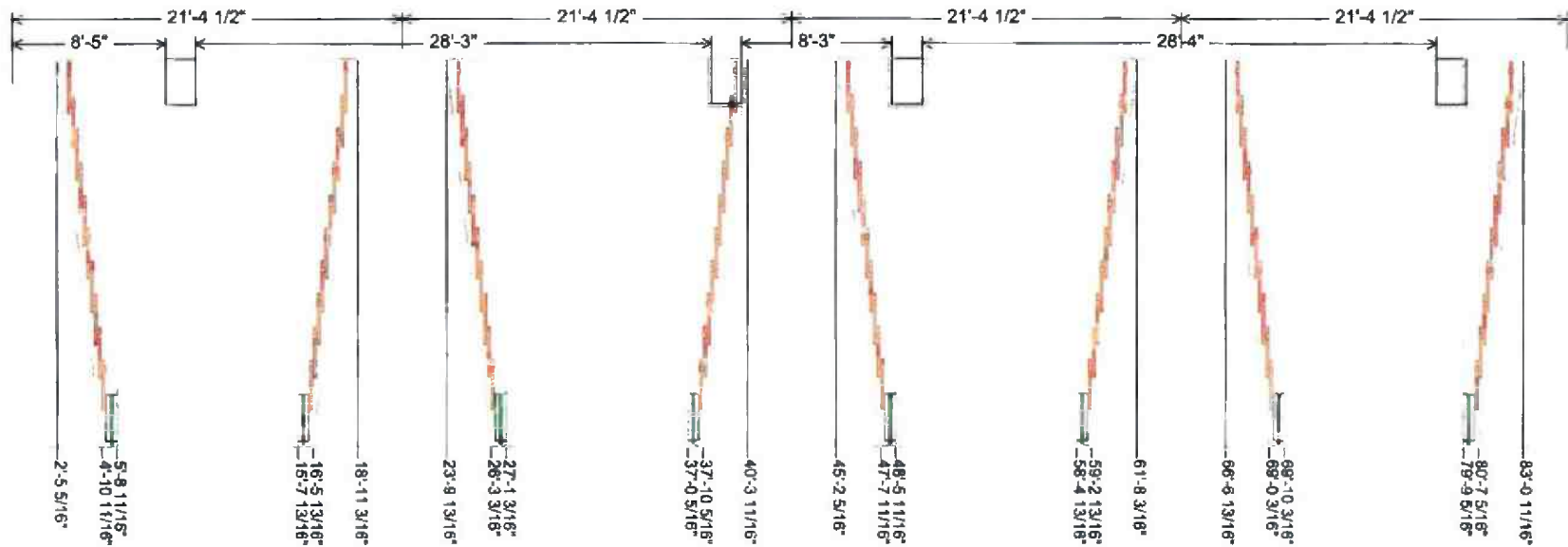
Sauk Valley Community College-North

Bank 1 - 85'-6" Friction Power

Building Code: IBC 2018

88'-2" Clear Dimension

NOT TO CODE



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Wheel Travel View

Sauk Valley Community College-North

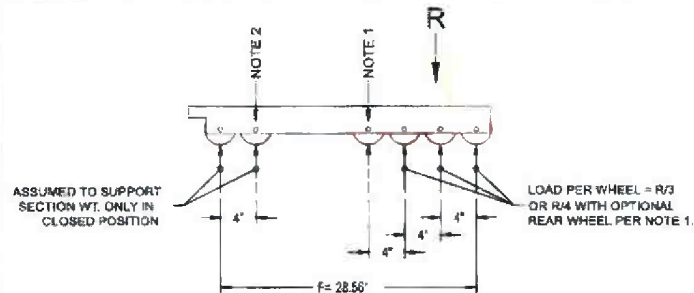
Bank 1 - 85'-6" Friction Power

Building Code: IBC 2018

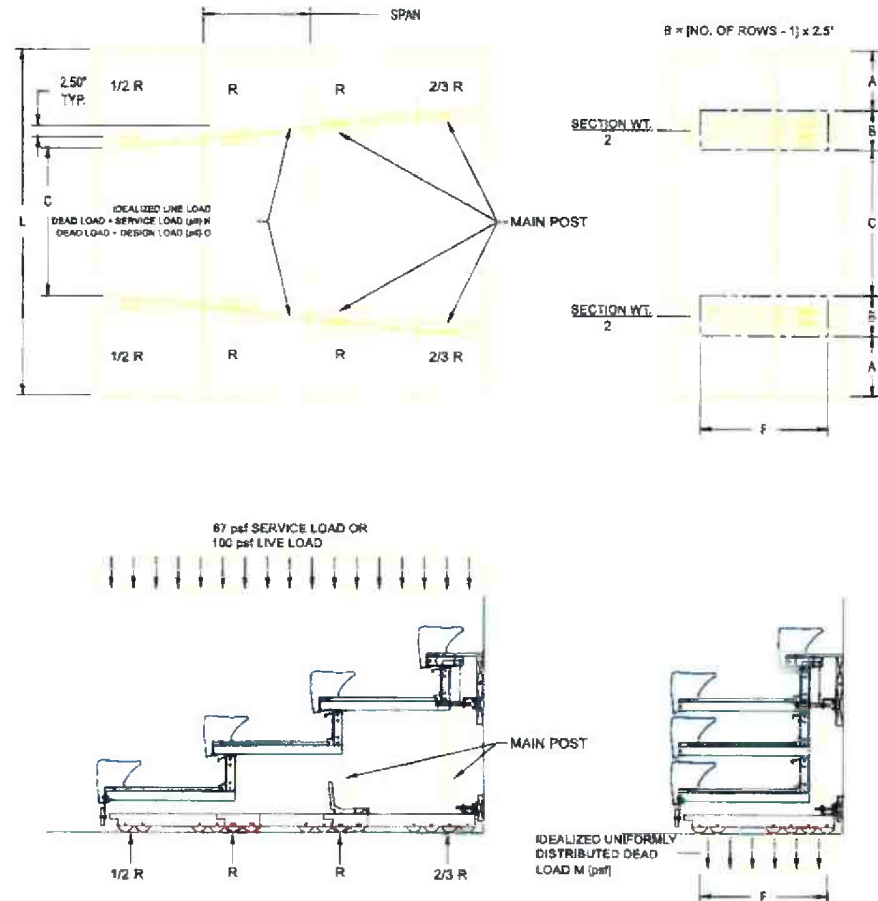
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	Section 1	Section 2	Section 3	Section 4
Section Length L [ft]	21'-4 1/2"	21'-4 1/2"	21'-4 1/2"	21'-4 1/2"
Dimension A [ft]	3'-6 5/8"	3'-6 5/8"	3'-6 5/8"	3'-6 5/8"
Dimension B [ft]	27.5	27.5	27.5	27.5
Dimension C [ft]	10'-8 1/4"	10'-8 1/4"	10'-8 1/4"	10'-8 1/4"
Total Section Weight W [lbs]	4215	4215	4215	4215
Retracted Floor Pressure M [psf]	387	387	387	387
Service Load + Dead Load N [plf]	915	915	915	915
Live Load + Dead Load O [plf]	1171	1171	1171	1171
Dead Load Per Wheel [lbs]	86	86	86	86
Dead Load Wheel Pressure [psi]	54	54	54	54
Service+Dead Loads Per Wheel [lbs]	489	489	489	489
Service+Dead Wheel Pressure [psi]	333	333	333	333
Live + Dead Loads Per Wheel [lbs]	716	716	716	716
Live + Dead Wheel Pressure [psi]	478	478	478	478



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Wheel Load View

Solid Injection Molding

Recessed seat numbers, row letters, and personal logos



ESM 10" Excel Seat Module

Features

- Heavy steel bracket provides steel-to-steel through bolting at every 18" increment
- Structural ribs: Five vertical & three lateral
- Honeycomb design for unmatched vertical support
- Vandal-proof snap-lock feature with end caps

Durability

- Modules are constructed of one-piece injection molded high strength polyethylene which resists stains and will not splinter or warp. The molded-in solid color will not fade or wear out.
- For maximum rigidity, the specially designed attaching clamp provides a steel-to-steel connection of the module to the 14-gauge galvanized steel nosebeam.
- Each module incorporates a full perimeter interlock to secure one module to the next for increased strength.
- Five vertical and three lateral ribs inside each module provide superior support and are positioned for easy cleaning.

Easy Maintenance

- Easy to clean, easy to sweep—no obstructions at deck level
- No debris traps or exposed hardware

Comfort

- Plastic seat modules are anatomically contoured to achieve greater spectator comfort
- Each 18"-wide interlocking module provides a minimum adult seat height of 16½"
- Low profile ESM for high rise applications (shown bottom left)





Riser Splice 8-bolt pattern

Nosebeam Splice 4-bolt pattern



Internal supports the NFPA-102 mandate for annual bleacher inspection and maintenance. We strongly recommend a routine maintenance program.

The strongest understructure in the industry!

The Internal understructure is designed for maximum load-bearing capacity and eliminates deflection. It is constructed from the strongest and most durable materials in the industry for dependable performance you can count on for years to come. Because this understructure has few moving parts, trouble-free operation is assured with routine maintenance.

1 Sway Braces: All Internal seating systems are stabilized by sway braces attached to the vertical columns and steel risers for maximum strength and resistance to movement. (Sway braces not required on rows 1 and 2.) Sway braces fabricated from steel are essential for vertical post bleachers to resist the compression and tension forces created when the bleachers are loaded.

2 Vertical Posts: Electric-welded continuous 2" x 3" closed seam, rectangular structural steel tubing produces the strongest and safest vertical columns. Post size increases depending on row height and load-bearing requirements.

3 Deck Supports: Deck support brackets are more rigid than competitive designs to help prevent sagging and potential binding during operation. All deck supports incorporate rollers for efficient operation and deck stability.

4 Nose Beam: All Internal seating options incorporate a structural continuous galvanized nose beam, resulting in a uniform understructure. This component provides superior strength, continuous support for the plywood deck, and the flexibility to achieve any aisle location/configuration.



5 Superslide System: The low-friction flexible rod system guarantees positive engagement of vertical supports without binding, assuring smooth operation over uneven floor conditions. The superslide system maintains proper vertical column spacing, reduces wear, and helps eliminate racking damage.

6 Row Locks:

- Stabilize the bleacher under load in the extended position by securely locking each support post to an adjacent post.
- Automatically engage and release for opening and closing operation.
- Individual row locks make it possible to open any number of rows without opening the entire bank of bleachers.

7 H Beams: The aluminum "H" Beams located at every plywood joint provide continuous support from rear riser to nosebeam. It also facilitates ease of cleaning by eliminating unsightly gaps.

8 Wheel Channels:

- Wheel channels accommodate 8 to 12 wheels per channel for maximum weight distribution and operating ease.
- Wheel channels are precision formed from a single piece of steel coil for maximum rigidity.
- Heavy-duty composition rubber wheels are provided in a 3½" diameter by 1¼" tread width.
- All wheels are provided with a ½" diameter steel axle secured with tamper-proof retaining rings.
- Wheels are equipped with oil-impregnated sintered metal bearings to assure smooth operation.

9 Deck Support Rollers: Nylon rollers at the top of every deck support minimize friction for smoother, quieter operation and enhanced deck stability. Our rollers eliminate steel-to-steel contact which would hinder the operation of the bleacher.

10 Riser Beam:

Multi-bend component provides superior structural integrity.

11 Section Joints:

18" steel plates at every nose and riser to ensure the most rigid section joint available

Safety Features

Safety is the first and foremost concern in each and every Internal design. The following key safety features are available:

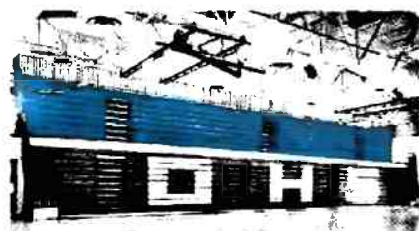
- Limit switches on non-friction automatic power systems
- Plastic covers at every nosebeam exposed end and/or handicap location
- Removable pendant control attaches to the front of the seating system for added visual safety during operation of all automatic power systems
- Superslide System to insure positive engagement of all vertical posts
- Rear closure panels to prevent debris from collecting under units
- Aisles and rails in compliance with applicable code requirements



Applications: Telescopic Systems to fit a variety of facility configurations

Reverse-Fold Systems

(shown upper level, below) are designed for applications where space behind the bleacher stack is desired for other activities when the bleacher is not in use. This is common in areas such as mezzanines or balconies. Up to 18 rows can be specified with this system (over 18 rows, consult factory).



Forward-Fold Systems

(shown lower level, below) are the most typical application of telescopic seating in which the bleachers open in the forward direction. They are available up to 24 rows (over 24 rows, consult factory) and utilize either wall attachment or free-standing floor attachment.



Recessed Systems (below)

require minimal clearance to fit conveniently under a balcony overhang and maximize usable floor space when the bleachers are stacked. Available with any of the Interkal seating options up to 24 rows (over 24 rows, consult factory). Add one of our automatic power options for easy operation.



Mobile Systems (shown below left)

consisting of single sections of bleachers can be used in one part of a building and stored in another. They offer increased flexibility and are available with any seating option up to 14 rows at 10" rise and 12 rows at 11" rise. (over 14 rows, consult factory). Portable hydraulic dollies are provided for transport to various spectator or storage areas.



Custom Seating Arrangements Available:

- Pie-shaped sections for radius configurations (shown far right)
- Truncated sections / notchouts to comply with the Americans with Disabilities Act (ADA) requirement for wheelchair seating
- Elevated front and rear walkways and cross aisles as required for code compliance, as well as improved sight lines
- Cut-outs for columns that extend out from rear wall

Please consult factory on these and other custom seating arrangements.

Free-Standing Floor-Attached Systems (shown above right)

are designed for applications where bleachers are required to be located away from walls or when wall construction prohibits attachment (shown here with back rails and back panels).



Self-Storing Aisle Rails

The Perfect Solution For Saving Set-Up Labor

- Aisle Rails are permanently bolted in position and automatically store in the deck, ensuring that the rails are in place at all times for spectator safety.
- This innovative design eliminates the need to individually set up each rail, maximizing labor savings.
- Revolutionary Patented Self-Storing Aisle Rails (SSAR)™ are exclusively from the leader in telescopic seating—Interkal!



Provisions to Comply with ADA

We Engineer Flexibility Into Your ADA Compliance



36" wide, 1-row deep single notchout



Double 1-row deep recoverable notchout shown in ADA mode



Recovered 1-row deep truncations



1-row deep double notchout with optional front rail



Double 1-row deep recoverable notchout shown in recovered mode



Double 1-row deep permanent notchout

Power Options

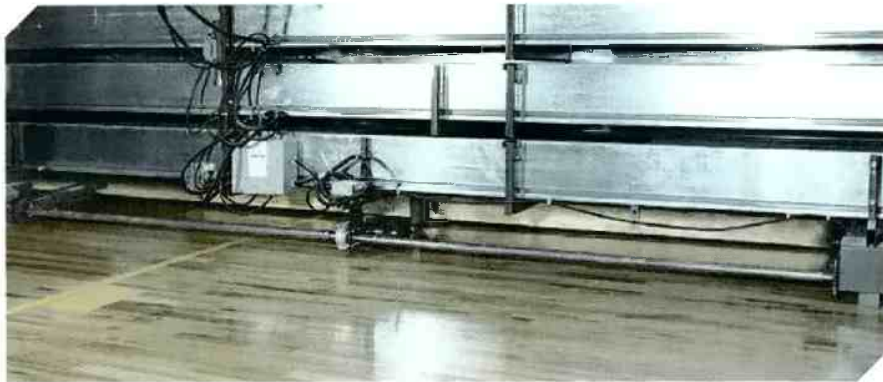
Nonfriction Power System (Right)

This is a fully-automatic power system designed to open and close wall-attached, recessed or reverse-fold telescopic bleachers at the touch of a button – without the need for traction force on the floor. Typically used for higher-row applications, it has the capacity to move more rows of bleachers than any other mechanical power system developed for the telescopic seating market. Limit switches are used to stop the 2HP, 208-230VAC, 3-phase motor in the fully open or closed positions. The chain drive pusher links assure years of dependable performance as well as nonslip, straight line operation.



Wide Track Power System (Below)

Our Wide Track Power System is U.L. listed and incorporates friction drive rollers as an integral part of the first row horse assembly. The two friction roller assemblies are linked by a continuous drive shaft driven by a ½ H.P. 208V, 3-phase motor. This continuous drive shaft controls drive roller operation in a straight, efficient manner—especially important on bleacher banks which include numerous notchouts or truncations.



Options & Accessories

1 Safety End Rails

are required on open ends of telescopic seating systems. Our self-storing end rails offer great convenience. These are designed and tested to meet all current building code requirements. Removable end rails are also available when required.



2 Vinyl Side Curtains

dose off the ends of the bleacher with a heavy-duty laminated vinyl. Grommets at every hanger location, chainweight bottom hem. Available in 13 colors.



3 Aisle Center Rails

are installed on alternating rows and are available in both self-storing or quarter-turn types. Removable aisle rails are available when required.



4 Intermediate Steps

are designed to comply with applicable code requirements by providing an equal depth and height foot surface between rows. Safety abrasive tread is provided on all steps.



5 Video Platforms

are engineered to provide a stable platform for filming sporting events safely—integrated right into the seating system.



6 Removable Timer's Table

is an 18" by 96", high-pressure laminated work surface with removable legs which can be utilized at any location. The table leg assembly is constructed of tubular steel and the legs are easily removed for storage within the seating system.



7 End Panels

are designed to deter access behind units in the stored position.



8 Back Rails & Panels

are used on mobile, free-standing and reverse-fold units to provide added safety and close off access to the understructure.



9 Black Polydeck

offers a unique, sharp upgrade to our standard grey polydeck.



Additional Accessories

- Forward travel (aisle recovery for reverse fold units)
- Seat numbering on seat modules
- Vinyl ball deflectors
- Front rails
- Extended back panels
- Column cut-outs
- Balcony access steps

