

						SPECIFICATIONS
	Emc2 Group Architects Planners, PC		Emc2 Group Architects Planners, PC		Emc2 Group Architects Planners, PC	
SECTION 12 66 13		C. Shop Drawings: Complete layout with dimer	nsions, seat heights, row spacing and rise.	B. Store, in original packaging, under cov	ver and elevated above grade, protecting against	24" ROW SPACING, 5 SEATING ROWS - SEATING CAPACITY 581
TELESCOPING BLEACHERS		aisle widths and locations, points of connecti material types and finishes.		damage while stored on site.	s instructions and in a manner to prevent damage.	POWERED TELESCOPIC BLEACHERS, 11 SEAT: AT 24" ROW SPACING, 10" RISE PER ROW
PART 1 GENERAL		 Provide drawings customized to this Include Professional Engineer certifit 	ication.	1.08 PROJECT CONDITIONS		 1 GROUP - 91'-6" PLUS END RAILS 208VAC, THREE PHASE ISD POWER SYSTEM
1.01 SECTION INCLUDES		connections.	motors, electrical wiring, and rough-in	bleachers installation by accurate field	al dimensions of construction affecting telescoping measurements before fabrication. Show recorded . Coordinate field measurements and fabrication	PANELAM 5/8" DECKING, GALVANIZED NOSE
 A. Telescoping bleachers. B. Electric motor operators, controls, and internal wiring. 		 Selection Samples: For each material for wh samples, 2 by 2 inches in size, illustrating co 	plors and finishes available.	schedule with construction progress to		REAR BEAM 3 AISLE STEP LOCATIONS, 3" STEPS @ 54" W
1.02 RELATED REQUIREMENTS A. Section 26 27 17 - Equipment Wiring: Connection of el	lectric motors and controls	E. Manufacturer Qualifications: Manufacturer s design and manufacturing of telescopic seat	ting for not less than twenty years.		nittals, for additional warranty requirements.	STORING "SMART RAILS" • 581 - 10" INFINITY SEATS (18" WIDE SEATS)
1.03 REFERENCE STANDARDS	rectife motors and controls.	Certification of insurance coverage and man copy of a telescopic load test observed by a certified by a registered professional structur	qualified independent testing laboratory, and	telescoping bleachers. This warranty i	omit manufacturer's standard warranty form for is in addition to, and not a limitation of other rights	CHAIR SPACES
 A. NFPA 102 - Standard for Grandstands, Folding and Tel Membrane Structures; National Fire Protection Associa 		manufacturer's geometry design and base st F. Engineer Qualifications: Certification by a pr	tructural assumptions.		nct Documents. Tranty on structural components of the Tranty on all non-structural materials such as	REMOVAL AND DISPOSAL OF EXISTING BLE
B. PS 1 - Structural Plywood; 2007.		manufacturer that the equipment to be suppl this specification. It will be mandatory that e	lied meets or exceeds the design criteria of each bidder submit with their bid an affidavit	accessories, everything at dec	ck level and above, and all power/electrical will be from Date of Acceptance. Warranty shall	
1.04 SYSTEM DESCRIPTION A. System Operation:		been tested by an independent testing facility	er stating that the product to be supplied has ty and meets all applicable code	be manufacturer's standard wa	arranty. "Per Job", "as required", or "by distributor" Extended warranties by subcontractors are not	
 The bleacher system shall be comprised of mul rows operating in a telescopic manner, incorpor quantity of sections while still complying with al 	rating the most economical	requirements. G. Operation and Maintenance Data: Manufact	2500 0210100 05 05 3 000 00 00 00 00 00 00 00 00 00 00 00 00	acceptable. 2. Beneficiary: Issue warranty in		
The first moving row shall be secured with fricti rows shall be mechanically locked, operable on	ion or mechanical locks. Other	instructions, including annual inspection and Professional Engineer or manufacturer facto Warranty: Submit manufacturer warranty an		acceptance of warranty docum	wner is sole authority who will determine nents.	
first row, quantity to be determined by Interkal et al. San Each bleacher row shall be comprised of risers	engineering.	Owner's name and registered with manufact I. Deviations: It will be the responsibility of the	turer.	Replace parts that fail under normal us		
a complete set of supportive columns and brace 4. The telescopic bleacher shall incorporate a lock	les. king system permitting the use of	clarifying any deviations from the specification submitting a list of deviations will be presume	ons, written or implied. Those bidders not led to have bid as specified.	D. Under carriage warranty 10YS N/DL 1.10 MAINTENANCE AND OPERATION		
one, several, or all rows, each locked in the ext B. Design Requirements:	tended position.	J. Product Improvements: Seating provided sha	all incorporate manufacturer's design		tenance shall be transmitted to the Owner by the presentative.	
Telescopic bleacher design and fabrication shat accepted by the authority having jurisdiction. Telescopic gymposium seating will be designed.		1.06 QUALITY ASSURANCE	**************************************	B. Service: Maintenance and operation of	of the seating system shall be the responsibility of sentative, and shall include the following:	
 Telescopic gymnasium seating will be designed 100 PSF, but not less than 120 PLF on both se Seating shall also be designed to carry a horizon 	eat boards and footboards.		with Folding and Telescoping Seating, except	Operation of the Seating System who will assure that the operation	em shall be supervised by responsible personnel tion is in accordance with the manufacturer's	
to the seating and 10 PLF perpendicular to the 3. Steel components shall be cold-formed from approximately a seating shall be cold-formed from approximately a seating shall be cold-formed from approximately a seating shall also be designed to carry a horizontal state.	seating.	B. Manufacturer Qualifications: Company spec		instructions. 2. Only attachments specifically a	approved by the manufacturer for the specific	
conforming to ASTM A570 - Grade C 30KSI, ASTM A500 - Grade B 46 KSI as applicable.		in this section, with not less than 20 years of C. Installer Qualifications: Approved by manufacture experience as the Distributor and party of war	acturer, with a minimum of 5 years of	installation shall be attached to 3. An annual inspection and requ	o the seating. uired maintenance of each seating system shall be	
4. Lumber components are kiln dried, finger jointe grade "B & B Finish" manufactured to the curre		D. Welder Qualifications: Certified by AWS for D1.1 Structural Welding Code - Steel and AV	the process employed. Comply with AWS		ditions. At least biannually the inspection shall be ngineer or factory qualified service personnel.	
standards for southern pine. 5. Plywood deck boards shall be fabricated from [Douglas Fir Premium	Steel. E. Engineering Qualifications: Engage licensed	d professional engineer experienced in	PART 2 PRODUCTS		
Underlayment with exterior glue, 5 ply minimum face ply, species Group 1 and manufactured in		providing engineering services of the kind in installation of telescoping bleachers similar in	dicated that have resulted in the successful	2.01 MANUFACTURERS A. Furnish products of one of the following	g manufacturer's, except as approved by the	
1.05 SUBMITTALS A See Section 01 3000 - Administrative Requirements for	or submitted procedures	those types indicated for this project.		Owner/Architect, subject to compliance 1. Interkal LLC: www.interkal.com	e with the specifications requirements: m.	
 A. See Section 01 3000 - Administrative Requirements, fo B. Product Data: Manufacturer's data sheets on each product of the properties of the properties of the properties of the product of t	duct to be used, including:	1.07 DELIVERY, STORAGE, AND HANDLING A Packing and Shipping: Deliver materials to see	cite in manufacturaria original unasserad	Folding Equipment Company,	LLC www.foldingequipmentcompany.com a Tract) www.irwinseating.com	
Storage handling and requirements. Installation methods.		A. Packing and Shipping: Deliver materials to spackaging with labels intact. Protect finished coating which will not bond when exposed to	d surfaces with removable wrapping or	2.02 TELESCOPING BLEACHERS		
			me for installation that will not interfere with	A. Design Standard: Telescopic seating a is the standard of quality required and B. Model: Interkal, closed deck telescopic		
Daniel Cabara Discourance	Telescoping Bleachers	Page High School Bleachers	Telescoping Bleachers	Page High School Bleachers	Telescoping Bleachers	
Page High School Bleachers Emc2 #1382744.00	12 66 13 - 1	Emc2 #1382744.00	12 66 13 - 2	Emc2 #1382744.00	12 66 13 - 3	
	12 66 13 - 1 Emc2 Group Architects Planners, PC	Emc2 #1382744.00	12 66 13 - 2 Emc2 Group Architects Planners, PC	Emc2 #1382744.00	12 66 13 - 3 Emc2 Group Architects Planners, PC	
Emc2 #1382744.00		D. Row Interlocks: Join each row structure front to r	Emc2 Group Architects Planners, PC rear by means of two (2) interacting steel	3. Each module shall have a full 3/8" i	Emc2 Group Architects Planners, PC	
C. Type: Wall attached. D. Quantity and Overall Dimensions:		D. Row Interlocks: Join each row structure front to reconnections, plus automatic gravity row locks whe required.	Emc2 Group Architects Planners, PC rear by means of two (2) interacting steel ere Engineering determines they are	3. Each module shall have a full 3/8" i to eliminate pinching hazards and a 4. Each module shall be equipped with the shall be e	Emc2 Group Architects Planners, PC interlock to the adjacent module around the perimeter assure proper alignment. th an 11-gauge steel bracket for a steel-to-steel	
C. Type: Wall attached. D. Quantity and Overall Dimensions: Provide:	Emc2 Group Architects Planners, PC	D. Row Interlocks: Join each row structure front to reconnections, plus automatic gravity row locks wherequired. 1. Lower: Lower track guides shall be an exercised supports without the supports.	Emc2 Group Architects Planners, PC rear by means of two (2) interacting steel ere Engineering determines they are	 Each module shall have a full 3/8" it to eliminate pinching hazards and at Each module shall be equipped with attachment of each module to the grand mounting hardware shall be considered. 	Emc2 Group Architects Planners, PC interlock to the adjacent module around the perimeter assure proper alignment. th an 11-gauge steel bracket for a steel-to-steel galvanized steel nose beam for maximum rigidity. All concealed.	
C. Type: Wall attached. D. Quantity and Overall Dimensions: Provide:	Emc2 Group Architects Planners, PC W x 11 Rows high (Aux Gym).	 D. Row Interlocks: Join each row structure front to reconnections, plus automatic gravity row locks wherequired. 1. Lower: Lower track guides shall be an exengagement of vertical supports without luneven floor conditions. 2. Upper: Upper track guides shall complete 	Emc2 Group Architects Planners, PC rear by means of two (2) interacting steel ere Engineering determines they are xternal superslide rod to guarantee positive binding and assures smooth operation over tely interlock adjacent understructure	 Each module shall have a full 3/8" it to eliminate pinching hazards and at Each module shall be equipped with attachment of each module to the grace such mounting hardware shall be compared to the example of the such mounting hardware shall be compared to the example of the such as a shall be provided at the shall be provided at the such as a shall be provided at the such as a shall be provided at the shall be provided at th	Emc2 Group Architects Planners, PC interlock to the adjacent module around the perimeter assure proper alignment. th an 11-gauge steel bracket for a steel-to-steel galvanized steel nose beam for maximum rigidity. All	
C. Type: Wall attached. D. Quantity and Overall Dimensions: Provide: 1 bank of Wall attached 91'-6"	Emc2 Group Architects Planners, PC W x 11 Rows high (Aux Gym). on with all necessary front rails,	 D. Row Interlocks: Join each row structure front to reconnections, plus automatic gravity row locks wherequired. 1. Lower: Lower track guides shall be an exengagement of vertical supports without luneven floor conditions. 2. Upper: Upper track guides shall complete 	rear by means of two (2) interacting steel ere Engineering determines they are external superslide rod to guarantee positive binding and assures smooth operation over tely interlock adjacent understructure t extension of bleacher unit on deck support. able, due to risk of loosening.	 Each module shall have a full 3/8" it to eliminate pinching hazards and a Each module shall be equipped with attachment of each module to the ground such mounting hardware shall be consucted to the such mounting hardware shall be consucted to the such a caps shall be provided at the end well as at each aisle. Each module shall have a 2 ¼" x 1" Each end cap shall have two recessions and a 2 ¼" x 1" area for row like the shall have two recessions. 	interlock to the adjacent module around the perimeter assure proper alignment. In an 11-gauge steel bracket for a steel-to-steel galvanized steel nose beam for maximum rigidity. All concealed. In an	
C. Type: Wall attached. D. Quantity and Overall Dimensions: Provide: 1 bank of Wall attached 91'-6" E. ADA 1. Truncations: Provide a full section truncation closure panels, and portable step assemblies at aisled jurisdiction compliance with ADA. (one row deep). F. Dimensions: 1. Rise: 10-1/4 inches.	Emc2 Group Architects Planners, PC W x 11 Rows high (Aux Gym). on with all necessary front rails,	 D. Row Interlocks: Join each row structure front to reconnections, plus automatic gravity row locks whe required. 1. Lower: Lower track guides shall be an exengagement of vertical supports without funeven floor conditions. 2. Upper: Upper track guides shall complete support. A welded stop to ensure correct Use of bolt and nut stops are not accepta E. Diagonal Braces: Structural formed steel truss fit attached to the rear riser at optimum locations to designed and shaped to support a minimum load 	rear by means of two (2) interacting steel ere Engineering determines they are xternal superslide rod to guarantee positive binding and assures smooth operation over tely interlock adjacent understructure t extension of bleacher unit on deck support. able, due to risk of loosening. tted to rows 4 and beyond. Bracing shall be insure structural integrity. Bracing will be t of 1000(lbs) of both compression and	 Each module shall have a full 3/8" i to eliminate pinching hazards and a Each module shall be equipped wit attachment of each module to the g such mounting hardware shall be c End caps shall be provided at the e well as at each aisle. Each module shall have a 2 ¼" x 1" Each end cap shall have two reces logos and a 2 ¼" x 1" area for row I Select from manufacturer's standar 	interlock to the adjacent module around the perimeter assure proper alignment. In an 11-gauge steel bracket for a steel-to-steel galvanized steel nose beam for maximum rigidity. All concealed. In an	
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Deck Supports: Shall be of structural steel, 11 ga for maximum deck stiffness. 1. Rollers: Every deck support not attached roller to avoid steel to steel friction points G. Decking: All deck boards shall consist of 19/3 with exterior glue and solid cross bands. Tongue An extruded aluminum "H" connector shall be pla wear surfaces shall be finished with a layer of hig thick, Light Gray in color, complimentary to the se coat, requiring more than simple touch up to rest are unacceptable. H. Welds: All welds shall be made at the factory by equipment and process used. I. Nose Beam: Shall be one-piece, grade 40, galvan A minimum design thickness of .094" is utilized fo accommodate section lengths up to 26". J. Rear Riser: Shall be one piece, grade 40, galvan with a continuous access joint to fully encapsulate additional structural support. A minimum design in necessary structural integrity to accommodate set. K. Splice Plates: (For Friction or Non-Friction power together with two structural steel members per rosteel through bolt connections at the lower steel rear ribeam and rear riser. Splice plates employing stenot be acceptable. In order to minimize deflection operation, splice connections shall transfer both a bending. L. Fasteners: All structural connections shall be marted botts. The use of self-tapping bolts is not a finish with galvanized alloy plating. 2. Zinc p	rear by means of two (2) interacting steel ere Engineering determines they are external superslide rod to guarantee positive binding and assures smooth operation over tely interlock adjacent understructure textension of bleacher unit on deck support. able, due to risk of loosening. Ited to rows 4 and beyond. Bracing shall be insure structural integrity. Bracing will be of 1000(lbs) of both compression and ed uuge spaced not greater than 60" on center d to a vertical post will have an integral nylon of for more efficient operation. 32" nominal C-C plugged Group 1 plywood and Group 4 plywood panels. Exposed ph Density polyethylene plastic .025030 pat option. Deck finishes, such as clear ore it to a new appearance after wear occurs welders that are AWS certified on the anized steel. For the necessary structural integrity to nized steel e footrest panel for ease of cleaning and thickness of .070" is utilized for the ection lengths up to 26". only) Each section joint shall be tied we, employing a minimum of four steel to and a minimum of eight steel to steel is ser. Splice plate material to match the nose tel to plywood deck board attachments will no and keep rows in alignment during axial loads (tension/compression) and and with S.A.E. grade 5 or better stress acceptable. Inished with russet brown water base acrylic with corrosion resistant silver gray matte	3. Each module shall have a full 3/8" to eliminate pinching hazards and a 4. Each module shall be equipped with attachment of each module to the growth attachment of each module shall be provided at the erwell as at each aisle. 6. Each module shall have a 2 ½" x 1" 7. Each end cap shall have a 2 ½" x 1" 7. Each end cap shall have two reces logos and a 2 ½" x 1" area for row 1 8. Select from manufacturer's standar 2.06 SHOP FINISHES A. Understructure: For rust resistance, with black "Dura-coat" enamel. Und improve scratch resistance of finish. B. Wear Surfaces: Surfaces: Surfaces subject to does not wear to show different colo 1. Steel nosing and rear risers G-60 zinc plating. 2. Decking shall have surfaces high gloss clear urethane fin 3. Injection Molded MVP seats select colors. Colors shall b C. Railings: Steel railings shall be finish a linguistic select colors. Colors shall b C. Railings: Steel railings shall be finish as Structural Connections: Secured by free-spinning nuts in combination with 2. Secured by a free-spinning nuts in combination with 2. Center Aisle: Provide footrest level approved shop drawings. 1. Center Aisle: Provide footrest level approved shop drawings. 1. Center Aisle: Provide page designed to eliminate all labor associated with 2. Intermediate Steps: Provid necessary per applicable code. B. Wheelchair Seating: 1. Recoverable Notchouts: Provide necessary per applicable code. B. Wheelchair Seating: 1. Self-Storing End Rails: Provide rails with tubular supports and vertical interm requirements. Rails shall be fitted to each extend to steel to steel connections. Finish shall be a D. Operation 1. Pendant Control: Provide patterns on a fitted on the steel of the pattern of the steel of position. Cur	Interlock to the adjacent module around the perimeter assure proper alignment. In an 11-gauge steel bracket for a steel-to-steel jalvanized steel nose beam for maximum rigidity. All oncealed. Indisorded and seed area for optional seat numbering. In ecessed area for optional seat numbering. In ecessed area for optional seat numbering. In et a steel understructure shall be finished on all surfaces testructure finish shall contain a silicone additive to the structure finish shall contain a silicone additive to the structure finish shall contain a silicone additive to the structure as a sealer coat with use surfaces to receive hish. In the per-galvanized with a minimum spangle of the storeceive a sealer coat with use surfaces to receive hish. In the per-galvanized seemi-gloss black. In the seeming to the process employed. In the structural bolts with prevailing torque lock nuts or the lock washers. It aisles at locations and sizes as shown on plans and remanently attached self-storing aisle rail, which is the set up and storage of the aisle rails. In emanufacturers standard recoverable handicap shiftectural drawings. Notchouts to be one row deep. In the set up and storage of the aisle rails. In the set up and storage of the aisle rails. In the set up and storage of the aisle rails. In the set up and storage of the aisle rails. In the set up and storage of the aisle rails. In the set up and storage of the aisle rails. In the set up and storage of the aisle rails. In the set up and storage of the aisle rails. In the set up and storage of the aisle rails. In the set up and storage of the aisle rails. In the set up and storage of the aisle rails. In the set up and storage of the aisle rails. In the set up and storage of the aisle rails. In the set up and storage of the aisle rails. In the set up and storage of the aisle rails. In the set up and storage of the aisle rails. In the set up and storage of the aisle rails. In the set up and storage of the aisle rails. In the set up and storage of the aisle rails. In the set	PAGE UNIFIED SCHOOL DISTRICT PAGE HS - AUXILIARY GYM BLEACHER AND WALL PAD REVISION BRG-DSGN-00295 434 SOUTH LAKE POWELL BOULEVARD, PAGE, AZ 8 Emc2 Group Arch. 1635 N. Greenfield Mesa, Arizona 8520 P 480 830 3838 F 480 830 3860 Architects Planners, PC www.emc2architect DRAWING TITLE: SPECIFICATIONS DESIGNED BY: PROJECT NO.
C. Type: Wall attached. D. Quantity and Overall Dimensions: Provide: 1 bank of Wall attached 91'-6" E. ADA 1. Truncations: Provide a full section truncatic closure panels, and portable step assemblies at aisle jurisdiction compliance with ADA. (one row deep). F. Dimensions: 1. Rise: 10-1/4 inches. 2. Row spacing: 24 inches. G. Propulsion 1. Friction Power-Furnish Interkal friction pow mechanical propulsion system to open and close tele shall assure full visual control of the seating bank. Ti two friction drive roller assemblies as in integral part assemblies. Each section of bleacher shall have a pvertical column roller assemblies which shall include drive wheels for a minimum of four friction roller context Each roller shall have a psecially formulated 45-duror floor as the units roll in and out. The two friction drive a minimum of 7-feet apart per section. The two friction together by a continuous drive shall driven by a 1/2 enable the rollers to work simultaneously, resulting in allowance for minor variations in the floor surface. All be controlled by a dual directional, removable walk all front of the first row to give the operator proper positic control voltage shall be 24 AC@ @ less than 50 MA personnel. The enteric power system shall be U.L. Re power source, including conduit, wiring, and safety dio others. The electrical contractor shall perform the co at the safety disconnect. Motors, housing, and wiring personnel. 2.03 MATERIALS A. Lumber: kiln dried, finger jointed, edge glued souther manufactured to the current SPIB glued-laminated st Plywood: Douglas Fir Premium Underlayment with erossband directly under face ply, species Group 1 a PS-1-95. C. Steel Componants: cold-formed from appropriate winder the control with the constant of the current SPIB glued-laminated st papilicable. 2.04 FABRICATION A. Continuous Wheel Channel: Wheel channels shall consist channel welded to the base of a vertical column. Wheel wheels for maximum weight distribution and operating each as the number of rows increase	Emc2 Group Architects Planners, PC W x 11 Rows high (Aux Gym). on with all necessary front rails, as as required to meet local ver, integral automatic electro- ascopic seating system. Operation he Wide Track System incorporates to fo both first row vertical column ower system that shall consist of two two 6" diameter by 2 ½" wide cast act points per section of bleacher, meter rubber covering to grip the er oller assemblies shall be installed on roller assemblies are linked 4.P. 208V, 3-phase motor that shall a more efficient operation with liftoor friction power systems shall long pendant which plugs into the on for visual control. The pendant for the safety of all operating cognized. A 208/220 volt 3-phase isconnect must be provided by innections to the seating equipment g shall be installed by certified arm pine of grade "B & B Finish" andards for southern pine exterior glue, 5 ply minimum, solid ind manufactured in accordance with dth strip stock conforming to ASTM 50, ASTM A500 - Grade B 46 KSI as as a one piece formed steel channels accommodate 8 to 12 as a commodate 8 to 13 as a commodate 8 to 14 as a commodate 8 to 15 as a commodate 8 to 15 as a commodate 8 to 16 as a commodate 8 to 17 as a commodate 8 to 18 as a commodate 8 to 19	 D. Row Interlocks: Join each row structure front to ronnections, plus automatic gravity row locks who required. 1. Lower: Lower track guides shall be an evengagement of vertical supports without I uneven floor conditions. 2. Upper: Upper track guides shall complet support. A welded stop to ensure correct Use of bolt and nut stops are not accepta it attached to the rear riser at optimum locations to designed and shaped to support a minimum load tension forces created when the bleacher is loade. F. Deck Supports: Shall be of structural steel, 11 ga for maximum deck stiffness. 1. Rollers: Every deck support not attached roller to avoid steel to steel friction points. G. Decking: All deck boards shall consist of 19/3 with exterior glue and solid cross bands. Tongue An extruded aluminum "H" connector shall be pla wear surfaces shall be finished with a layer of hig thick. Light Gray in color, complimentary to the se coat, requiring more than simple touch up to rest are unacceptable. H. Welds: All welds shall be made at the factory by equipment and process used. I. Nose Beam: Shall be one-piece, grade 40, galvan A minimum design thickness of .094" is utilized fo accommodate section lengths up to 26'. J. Rear Riser: Shall be one piece, grade 40, galvan with a continuous access joint to fully encapsulate additional structural support. A minimum design necessary structural integrity to accommodate set through bott connections at the nose beam at horder with two structural steel members per rosteel through bott connections shall transfer both a bending. L. Fasteners: All structural connections shall be m rated botts. The use of self-tapping botts is not a finish with galvanized alloy plating. 2. Zinc plated (optional for high humidity areas).	rear by means of two (2) interacting steel ere Engineering determines they are sternal superslide rod to guarantee positive binding and assures smooth operation over televinterlock adjacent understructure textension of bleacher unit on deck support. able, due to risk of loosening. Itted to rows 4 and beyond. Bracing shall be insure structural integrity. Bracing will be of 1000(bs) of both compression and ed. usuge spaced not greater than 60° on center of the one of the operation. The operation of the operation. The operation of the operation of the operation of the operation of the operation. The operation of the operation operation of the operation operation of the operation operation operation of the operation oper	3. Each module shall have a full 3/8" i to eliminate pinching hazards and a 4. Each module shall be equipped wit attachment of each module to the g such mounting hardware shall be c well as at each aisle. 6. Each module shall have a 2 ½" x 1" 7. Each end cap shall have two reces logos and a 2 ½" x 1" area for row! 8. Select from manufacturer's standar 2.06 SHOP FINISHES A. Understructure: For rust resistance, with black "Dura-coat" enamel. Und improve scratch resistance of finish. B. Wear Surfaces: Surfaces subject to does not wear to show different colo 1. Steel nosing and rear risers G-60 zinc plating. 2. Decking shall have surfaces high gloss clear urethane fin 3. Injection Molded MVP seats select colors. Colors shall b C. Railings: Steel railings shall be finis 2.07 FASTENINGS A. Welds: Performed by welders certiff B. Structural Connections: Secured by free-spinning nuts in combination wire proved shop drawings. 1. Center Aisle: Provide a per designed to eliminate all labor associated wire 2. Intermediate Steps: Provid necessary per applicable code. B. Wheelchair Seating: 1. Recoverable Notchouts: P notchout (36" wide) located as shown on arc Not Recoverable on Bleachers over 18 Row. C. End Railing: 1. Self-Storing End Rails: Pro rails with tubular supports and vertical interm requirements. Rails shall be fitted to each esteel to steel connections. Finish shall be a D. Operation 1. Pendant Control: Provide pet Extension and retraction shall be accompilist single receptacle. The receptacles shall be E. Vinyl-End Cutatins: Provide manufacture and the means of the provide and the provide and the means of the provide and the provide a	Interlock to the adjacent module around the perimeter assure proper alignment. In an 11-gauge steel bracket for a steel-to-steel galvanized steel nose beam for maximum rigidity. All oncealed. Inde of each bank (section, if manual) of seating as "recessed area for optional seat numbering, sed areas including a 3 ½" x 3 ½" area for custom letters/numbers. Inde color range. In steel understructure shall be finished on all surfaces lerstructure finish shall contain a silicone additive to a normal wear by spectators shall have a finish that or underneath: In shall be pre-galvanized with a minimum spangle of the storeceive a sealer coat with use surfaces to receive hish. In to be selected from fifteen standard and seven the per manufacturer's standards. In eld by AWS standards for the process employed. In structural bolts with prevailing torque lock nuts or the lock washers. In a siles at locations and sizes as shown on plans and remanently attached self-storing aisle rail, which is the set up and storage of the aisle rails. In a manufacturer standard recoverable handicap thitectural drawings. Notchouts to be one row deep. In this provide manufacturers standard recoverable handicap thitectural drawings. Notchouts to be one row deep. In this provide manufacturer standard recoverable handicap thitectural drawings. Notchouts to be one row deep. In this provide manufacturer standard recoverable handicap thitectural drawings. Notchouts to be one row deep. In this provide manufacturer standard recoverable handicap thitectural drawings. Notchouts to be one row deep. In this provide steel self-storing 42" high self-storing end guard mediate members to comply with all code the sposed bank end from third row and above with all polyester powder coat.	PAGE UNIFIED SCHOOL DISTRICT PAGE HS - AUXILIARY GYM BLEACHER AND WALL PAD REVISION BRG-DSGN-00295 434 SOUTH LAKE POWELL BOULEVARD, PAGE, AZ 8 Emc2 Group Arch. 1635 N. Greenfield Mesa, Arizona 8520 P 480 830 3838 F 480 830 3860 Architects Planners, PC www.emc2architect DRAWING TITLE: SPECIFICATIONS
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The two frictio together by a continuous drive shalt driven by a 1/2-fenable the rollers to work simultaneously, resulting in allowance for minor variations in the floor surface. All be controlled by a dual directional, removable walk alfont of the first row to give the operator proper positic control voltage shall be 24 VAC @ less than 50 MA finersonal. The entire power system shall be U.L. Repower source, including conduit, wiring, and safety diothers. The electrical contractor shall perform the coat the safety disconnect. Motors, housing, and wiring personnel. 2.03 MATERIALS A. Lumber: kiln dried, finger jointed, edge glued souther manufactured to the current SPIB glued-laminated step 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	Emc2 Group Architects Planners, PC W x 11 Rows high (Aux Gym). on with all necessary front rails, as as required to meet local ver, integral automatic electro- ascopic seating system. 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Zinc plated (o	rear by means of two (2) interacting steel ere Engineering determines they are sternal superslide rod to guarantee positive binding and assures smooth operation over televinterlock adjacent understructure textension of bleacher unit on deck support. able, due to risk of loosening. Itted to rows 4 and beyond. Bracing shall be insure structural integrity. Bracing will be of 1000(bs) of both compression and ed. usuge spaced not greater than 60° on center of the one of the operation. The operation of the operation. The operation of the operation of the operation of the operation of the operation. The operation of the operation operation of the operation operation of the operation operation operation of the operation oper	3. 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PART 3 EXECUTION 3.01 EXAMINATION			
 A. Verify that field measurements are consistent with those on the shop drawings. B. Verify that electrical rough-ins have been installed and are accessible. 			
 Do not begin installation until substrates have been properly prepared and area has been cleared of obstructions. 			
 D. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding. E. Coordinate with other work which affects, connects with, or will be concealed by this 			
Work.			
3.02 PREPARATION A. Clean surfaces thoroughly prior to installation.			
B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.			
3.03 INSTALLATION A. Install in accordance with manufacturer's instructions. Provide accessories, anchors,			
fasteners, inserts and other items for installation of telescoping bleachers and permanent attachment to adjoining construction.			
 B. Adjust bleachers for smooth and proper operation. C. Clean bleachers and remove all debris from gymnasium resulting from installation. 			
 D. Do not field cut or alter seats, fascia, or structural members without approval. E. Provide manufacturer's field representative to inspect completed installation. 			
ADJUSTING A. After installation completion, test and adjust each telescoping gym seats assembly to			
operate in compliance with manufacturer's operations manual.			
3.05 CLEANING A. During the course of the Work and on completion of the Work, remove and dispose of			
excess materials, equipment and debris away from the premises. Leave Work in clean condition. B. Clean installed telescoping gym seats on both exposed and semi-exposed surfaces.			
Tough-up finishes to restore damage or soiled surfaces.			
3.06 CLOSEOUT ACTIVITIES A. Demonstration and Training: Provide manufacturer's field representative to demonstrate			
to and train Owner's operating personnel in proper operation of equipment. 3.07 PROTECTION			
A. Protect installed products until completion of project. B. Touch-up, repair, or replace damaged products before Substantial Completion.			
END OF SECTION			
Page High School Bleachers Telescoping Bleachers			
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Emc2 #1382/44.00 12 00 13 - 7 Emc2 Group Architects Planners, PC			
	Emc2 Group Architects Planners, PC	Emc2 Group Architects Planners, PC	
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Emc2 Group Architects Planners, PC		3.04 CLEANING	
Emc2 Group Architects Planners, PC SECTION 11 66 23	2.02 GYMNASIUM EQUIPMENT - GENERAL REQUIREMENTS		
Emc2 Group Architects Planners, PC SECTION 11 66 23 GYMNASIUM EQUIPMENT (WALL PADS)	 2.02 GYMNASIUM EQUIPMENT - GENERAL REQUIREMENTS A. Sizes and locations are specified herein. B. Provide mounting plates, brackets, and anchors of sufficient size and strength to securely 	 3.04 CLEANING A. Remove any masking or protective covering from finished surfaces. B. Clean equipment in accordance with manufacturer's recommendations. C. During the course of the Work and on completion of the Work, remove and dispose of 	
SECTION 11 66 23 GYMNASIUM EQUIPMENT (WALL PADS) PART 1 GENERAL 1.01 SUMMARY A. Section includes the following as shown on Drawings and as specified herein:	 2.02 GYMNASIUM EQUIPMENT - GENERAL REQUIREMENTS A. Sizes and locations are specified herein. B. Provide mounting plates, brackets, and anchors of sufficient size and strength to securely attach equipment to building structure; comply with requirements of contract documents. 	3.04 CLEANING A. Remove any masking or protective covering from finished surfaces. B. Clean equipment in accordance with manufacturer's recommendations.	
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