Bay Arenac ISD 4155 Monitor Rd. Bay City, MI 48706 TSSF Architects, Inc. 122 N. Washington Ave. Saginaw, MI 48607

ADDENDUM NO. 1

Date: June 2, 2025 TSSF Project # 2511

This addendum authorizes the following revisions to the plans and specifications for the above-named project and will be considered fully a part of said documents.

GENERAL

Item G1: Disclosure Forms: Fill out the two attached forms as part of your bid submission.

ARCHITECTURAL

- Item A1: Clarification: Delete Spec Section 033000 and use attached spec section 03050 in place of it.
- **Item A2:** Clarification: See attached lift product information for reference.
- **Item A3:** Clarification: New concrete is to be sealed to match the existing concrete.
- Item A4: Clarification: Waterstop material is equal to W.R. Meadows Waterstop EC.
- **Item A5: Clarification:** The \$5000 Allowance is a contingency allowance.

ATTACHMENTS: Disclosure Forms, Spec Section 03050, Lift Product Information

Familial Disclosure Form

]	List any Familial Relationships:		
-			
-			
Dated:		PROPOSER:	
		By:	
		Its:	
State of Michig County of	;an)) ^{ss:}		
This instrument	t was acknowledged	before me on the day of	, 20, by
		·	

	(Signature)
	(Printed)
Notary Public,	County, Michigan
My Commission Expires:	
Acting in the County of	

Assurances and Certifications

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion

The prospective contractor certifies, by submission of this proposal, that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded for from participating in this transaction by any Federal department of agency. Where the prospective contractor is unable to certify to any of the statements in this certification, such prospective contractor shall attach an explanation to this proposal.

Certification Regarding Nondiscrimination Under Federally and State Assisted Programs

The applicant herby agrees that it will comply with all federal and Michigan laws and regulations prohibiting discrimination and, in accordance therewith, no person, on the basis of race, color, religion, national origin or ancestry, age, sex, marital status or handicap, shall be discriminated against, excluded from participation in, denied the benefits of, or otherwise be subjected to discrimination in any program or activity for which it is responsible or for which it receives financial assistance from the U.S. Department of Education or the MDE.

Assurance Regarding Access to Records and Financial Statements

The applicant hereby assures that it will provide the pass-through entity, i.e., Bay-Arenac ISD, and auditors with access to the records and financial statements as necessary for the pass-through entity to comply with Section 400 (d) (4) of the U.S. Department of Education Compliance Supplement for A-133.

Iran Economic Sanctions Act

The prospective contractor certifies that its organization, by submission of this proposal, is not an Iran Linked Business. Please refer to the "Iran Economic Sanction Act" Public Act 517 for clarifications or questions. Bay-Arenac ISD as a Michigan public entity is required to follow Public Act 517 of 2012.

Dated:		PROPOSER:	
		By:	
		Its:	
State of Michigan County of) _) ^{ss:}		
This instrument was	s acknowledged	d before me on the day of	, 20, by
		·	

	(Signature)
	(Printed)
Notary Public,	County, Michigan
My Commission Expires:	
Acting in the County of	

Affidavit of Compliance – Iran Economic Sanctions Act

All Bids shall be accompanied by a sworn statement disclosing any Iran Linked Business relationship that exists within the owners, including its officers, director, and employees.

<u>There is not an "Iran Linked Business" that exists</u> within the bidder and/or owner, officers, directors and employees.

Bidder:	(Company Na	me)	
By:	(Signature)		
Its:	(Title)		
This instrument was acknowled	ged before me, a No	tary Public, in and for day of	20
(Notary Public Signature)		duy 01	20 SS:
My commission Expires:			
Acting in the County of:			

SECTION 03050

BASIC CONCRETE MATERIALS AND METHODS

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Formwork.
 - 2. Reinforcement.
 - 3. Accessories.
 - 4. Cast-in place concrete.
 - 5. Finishing and curing.

1.2 SYSTEM DESCRIPTION

- A. Design, engineer and construct formwork, shoring and bracing in accordance with ACI 301, ACI 318 to conform to design and applicable code requirements to achieve concrete shape, line and dimension.
- B. Vapor Retarder Permeance: Maximum 1 perm when tested in accordance with ASTM E96, Procedure A.

1.3 SUBMITTALS

- A. Shop Drawings:
 - 1. Indicate pertinent dimensioning, form materials, arrangement of joints and ties, location of bracing and temporary supports, schedule of erection and stripping.
 - 2. Indicate reinforcement sizes, spacings, locations, and quantities, bending and cutting schedules, supporting and spacing devices.
 - 3. Indicate sidewalks and slabs-on-grade.
- B. Product Data: Indicate admixtures and anchors.
- C. Design Data: Submit mix designs.

1.4 QUALITY ASSURANCE

- A. Construct and erect concrete formwork in accordance with ACI 301 and ACI 318.
- B. Perform concrete reinforcing work in accordance with ACI 301, ACI 315, ACI 318 and CRSI Manual of Practice.
- C. Perform cast-in-place concrete work in accordance with ACI 301, ACI 318 and ACI 305.
- D. Design Work under direct supervision of Professional Engineer experienced in design of this Work and licensed at Project location.

PART 2 PRODUCTS

- 2.1 FORM MATERIALS AND ACCESSORIES
 - A. Plywood: PS 1, C Grade, any species; sound undamaged sheets with clean true edges.
 - B. Lumber: any species.
 - C. Prefabricated Steel Type: Minimum 16 gage, matched, tight fitting, stiffened to support weight of concrete.
 - D. Form Release Agent: Colorless mineral oil not capable of staining concrete or impairing natural bonding characteristics of coating intended for use on concrete.
 - E. Formed Construction Joints for Slab-on-Grade: Galvanized steel, tongue and groove type profile, knockout holes to receive doweling.
 - F. Slab Edge Joint Filler: ASTM D1751, Pre-molded asphaltic board, 1/2 inch thick.
 - G. Vapor Retarder: ASTM E1745 Class A; 6 mil thick clear polyethylene film; type recommended for below grade application. Furnish joint tape recommended by manufacturer.

2.2 REINFORCEMENT MATERIALS

- A. Deformed Reinforcement: ASTM A615/A615M; 60 ksi yield strength, steel bars, unfinished.
- B. Welded Plain Wire Fabric: ASTM A185; in flat sheets; unfinished.
- C. Chairs, Bolsters, Bar Supports, Spacers: Sized and shaped for support of reinforcing; plastic tipped or non-corroding for supports in slabs forming finished ceilings or where supports are exposed to weather.
- D. Fabricate concrete reinforcement in accordance with CRSI Manual of Practice, ACI 301 and ACI 318 code.
- E. Weld reinforcement in accordance with AWS D1.4.

2.3 CONCRETE MATERIALS

- A. Cement: ASTM C150, Normal-Type I, Portland type.
- B. Fine and Coarse Aggregates: ASTM C33.
- C. Water: Clean and not detrimental to concrete.
- D. Air Entrainment Admixture: ASTM C260.
- E. Bonding Agent: Latex emulsion.
- F. Non-shrink Grout: Premixed compound consisting of non-metallic aggregate, cement, water reducing and plasticizing agents.
- 2.4 COMPOUNDS, HARDENERS AND SEALERS
 - A. Chemical Hardener/Sealer: Lapidolith manufactured by Sonneborn Building Products.

2.5 CONCRETE MIX

- A. Mix and deliver concrete in accordance with ASTM C94/C94M, Option A.
- B. Furnish concrete of the following strength:
 - 1. Footings
 - a. Compressive strength 3,000 psi at 28 days.
 - b. Slump: 3 inches maximum
 - 2. Interior slabs
 - a. Compressive strength: 3500 psi at 28 days
 - b. Slump: 4 inches maximum
 - 3. Exterior slabs, After Hours Night Deposit
 - a. Compressive strength: 4500 psi at 28 days
 - b. Slump: 4 inches maximum
- C. Select admixture proportions for normal weight concrete in accordance with ACI 318.
- D. Add air entraining agent to concrete mix for concrete work exposed to exterior.

PART 3 EXECUTION

- 3.1 FORMWORK ERECTION
 - A. Erect formwork, shoring and bracing to achieve design requirements.
 - B. Camber slabs and framing to achieve ACI 301 tolerances.
 - C. Provide bracing to ensure stability of formwork.
 - D. Apply form release agent to formwork prior to placing form accessories and reinforcement.
 - E. Do not apply form release agent where concrete surfaces will receive special finishes or applied coverings affected by agent.
 - F. Clean forms as erection proceeds, to remove foreign matter.
- 3.2 INSERTS, EMBEDDED COMPONENTS, AND OPENINGS
 - A. Provide formed openings where required for work to be embedded in and passing through concrete members.
 - B. Coordinate work of other sections in forming and setting openings, slots, recesses, chases, sleeves, bolts, anchors, and other inserts.
 - C. Install concrete accessories straight, level, and plumb.
 - D. Place formed construction joint device in floor slab pattern pouring sequence.
 - E. Place joint filler at perimeter of floor slab, penetrations and isolation joints.
- 3.3 REINFORCEMENT PLACEMENT
 - A. Place reinforcement, supported and secured against displacement.

- B. Ensure reinforcing is clean, free of loose scale, dirt, or other foreign coatings.
- C. Weld reinforcement in accordance with AWS D1.4.
 - 1. Do not weld crossing reinforcement bars for assembly.
- D. Space reinforcement bars with minimum clear spacing in accordance with ACI 301 and ACI 318.
 - 1. Where bars are indicated in multiple layers, place upper bars directly above lower bars.
- E. Maintain concrete cover around reinforcement in accordance with ACI 301 and ACI 318.

3.4 PLACING CONCRETE

- A. Prepare previously placed concrete by cleaning with steel brush and applying bonding agent.
- B. Install vapor retarder under interior slabs on grade in accordance with ASTM E1643. Lap joints minimum 6 inches and seal watertight.
- C. Repair damaged vapor retarder with vapor retarder material, lap over damaged areas minimum 6 inches and seal watertight.
- D. Separate slabs-on-grade from vertical surfaces with ½ inch thick joint filler, extended from bottom of slab to within ¼ inch of finished slab surface.
- E. Place concrete continuously between predetermined expansion, control and construction joints.
- F. Screed slabs-on-grade level.
- 3.5 FORM REMOVAL
 - A. Do not remove forms or bracing until concrete has gained sufficient strength to carry its own weight and imposed loads.
 - B. Remove formwork progressively and in accordance with code requirements.

3.6 FLOOR FINISHING

- A. Finish concrete floor surfaces in accordance with ACI 301 and ACI 302.1.
- B. Uniformly spread, screed, and float concrete.
- C. Steel trowel surfaces receiving carpeting, resilient flooring, thin set quarry tile, thin set ceramic tile or remaining exposed to view in finished construction.
- D. Maintain surface flatness, with maximum variation of 1/8 inch in 10ft.
- E. In areas with floor drains, maintain floor level at walls and slope surfaces uniformly to drains.
- F. Apply concrete hardener/sealer on floor surfaces as scheduled.

3.7 CURING AND PROTECTION

- A. Immediately after placement, protect concrete from premature drying, excessively hot or cold temperatures, and mechanical injury.
 - 1. Protect concrete footings from freezing for minimum 5 days.
- B. Apply sealer on floor surfaces.
- C. Immediately after placement, protect concrete from premature drying.
- D. Maintain concrete with minimal moisture loss at relatively constant temperature for period necessary for hydration of cement and hardening of concrete for not less than 7 days.

3.8 FORMED SURFACES

A. Provide concrete surfaces to be left exposed.

3.9 ERECTION TOLERANCES

A. Install reinforcement within tolerances required by ACI 301 and ACI 318 code.

3.10 FIELD QUALITY CONTROL

- A. Perform field inspection and testing in accordance with ACI 301 and ACI 318.
- B. Reinforcement Inspection:
 - 1. Inspect for correct materials, fabrication, sizes, locations, spacing, concrete cover, and splicing.
- C. Strength Test Samples:
 - 1. Sample concrete and make one set of three cylinders for every 75 cu yds or less of each class of concrete placed each day.
- D. Field Testing:
 - 1. Measure slump and temperature for each compressive strength concrete sample.
 - 2. Measure air content in air entrained concrete for each compressive strength concrete sample.
- E. Cylinder Compressive Strength Testing:
 - 1. Test Method: ASTM C39.
 - 2. Test Acceptance: In accordance with ACI 301 and ACI 318.
 - 3. Test two cylinders at 28 days.
 - 4. Retain one cylinder for testing when requested by Architect/Engineer.
 - 5. Dispose remaining cylinders when testing is not required.

3.11 DEFECTIVE CONCRETE

A. Modify or replace concrete not conforming to required lines, details and elevations, as directed by Architect/Engineer.

END OF SECTION

RX16KLF & KLFPS

Flush Mount Lift Rack

SPECIFICATIONS []



RX16KLFPS

Refer to <i>RF08114-00</i> for details	
208-230 VAC, single phase power, 26 Amp	
130 - 150 psi (9 - 10.3 bar)	
3 in. (76 mm) thick, 3000 psi (20,700 kPA) rating	
2 in. (51 mm) over 126 in. (3200 mm)	
16,000 lbs. (7200 kg)	
All lock positions	
88 in. (2235 mm)	
1 speed, 60 seconds	
2 speed, 25 seconds	
201 in. (5105 mm)	
195 in. (4953 mm)	
168 in. (4013 mm)	

Feature	KLF	KLFPS	Dimension	
9000-lb Swing Air Jacks (2)	~	~	Outside Width (W1)	96.5 in. (2451 mm)
Two-Speed Lowering	~	~	Inside Width (W2)	40 in. (1016 mm)
Fig Fully Integrated		~	Length (<mark>L</mark>)	237 in. (6020 mm)
POWER		~	Runway Width (R)	26 in. (660 mm)
			Raised Height (H1)	70 in. (1778 mm)
STATION			Depth (<mark>H2</mark>)	12.5 - 13 in. (318 - 330 mm)



For lift rack information visit: hunter.com/alignment-racks

For local contact visit: hunter.com/contact

For general inquiries visit: www.hunter.com or call 800-448-6848

Because of continuing technological advancements, specifications, models and options are subject to change without notice.

Form RS08132-00, 05-24 Supersedes Form RS08132-00, 06-23 Copyright ©2024, Hunter Engineering Company



RX16KLF & KLFPS

Flush Mount Lift Rack



LAYOUT DIAGRAM (refer to RF08114-00 for construction drawings)



Dimensions shown are for end result. Tile thickness (if applicable) must be considered before pouring concrete. Positioning of control console is limited to a maximum space between console and rack of 5 1/2 feet (1676 mm) at the approach ramp end and 16 feet (4877 mm) at the turnplate end.

FLUSH-MOUNT SCISSOR LIFT RACK RX16: KLF and KLFPS



SITE REQUIREMENTS

Form RF08114-00 Publication Date: 07-24 Supersedes: RF08114-00, 08-23a

RX16KLF and RX16KLFPS (including OEM specific versions) lift racks are installed in a recessed slab to place the surface of the runways flush with the floor when the lift is in the fully lowered position. All flush-mount scissor lift racks have ramps on both ends to allow for drive-through shop configuration.

Use attached Construction Drawings to determine if the selected site is suitable.

For RX16KLFIS (RX with inflation station), refer to Form RF08115-00.

Construction

Choose the Construction Drawing that best suits the shop's desired layout:

Page 3 Console located at rear (approach-end) of lift rack

Page 4 Console located at front (turnplate-end) of lift rack

Page 5 Console located at alternative front location (at aligner console in front of rack)

The Hunter representative and shop owner are to work together to complete Construction Drawing by determining dimensions and details for topics A, B and C.

A. Bay door clearance and space for alignment sensors.

B. Console's location, distance from recessed slab and identify the side of recess.

C. Additional in-ground conduit beyond the required console-to-recessed-slab conduit.

Provide contractor with completed Construction Drawing.

Additional details of runway anchoring, console and rack is also available (pages 6, 7, 8).

Site

Bay Length

- Hawkeye (HS) and Hawkeye Elite (HE) Series Sensors require a specified amount of space at the front of the lift. Refer to the appropriate HS/HE Site Requirements: 6290-T, 6291-T or 6292-T.
- Pronto Series Alignment Systems require a specified amount of space at the front of the lift. Refer to Pronto Site Requirements, 5957-T.
- The rear overhang of longer vehicles may prevent the closure of bay door. A distance of 39 inches (991 mm) from the garage entrance to the back edge of the recessed slab will accommodate most vehicles.

Bay Height

• Minimum ceiling height of lift area is 13 feet (3962 mm). Lift elevates 70 inches (1778 mm) above its base (approximately 58 1/4 (1480 mm) inches above bay floor).

Power Requirements

- 208-230 VAC, single phase power
- Wiring and circuit breakers should be sized according to local electrical codes to provide 26 Amp draw available at the motor.

• Availability of specified power is necessary to install lift rack. Temporary power connection is acceptable.

Air Requirements

- 130-150 PSI (9-10.3 bar)
- Rack only requires 90 PSI (6.2 bar), but jacks require 130 PSI (8.96 bar) for full capacity operation.

Recessed Slab Requirements

- 3 inches (76 mm) thick with a 3000 PSI (20,700 kPa) rated concrete
- · Drain or sump must be included in recessed slab. Flooding will void product warranty.
- Approach and exit ramps require a smooth floor for best function. Tile or other irregularities may cause ramps to hang-up
- Ideal bay for recessed slab installation would have a level floor (no floor slope over the recessed length).
- Significant slope of the bay floor toward the bay entrance will result in the approach end of rack setting above grade when the lift is in the lowered positioned. The approach ramps will elevate an amount that is equal to the amount the bay floor lowered over the length of recess. Recommended max is 3 in. (76 mm).



Recessed Slab Installation into a Bay with Floor Slope toward Entrance.

Elevated ramps will clatter when vehicle is driven onto rack. This condition will not hurt vehicle. Depending on the amount of height difference due to bay floor slope and weight of vehicles serviced, the approach ramp may begin to deform over time. Building-up approach edge of recess will alleviate condition.







Owner needs to decide the best location conduit to accommodate their facility plan.



PLACEMENT WITHIN BAY: Space in

Accommodations behind the lift rack (A₁) for the overhang of large vehicle should also be



Alternatively, conduit between substructure

conduits. General conduit recommendation



conduit to accommodate their facility plan.



accommodate a variety of bays. Refer to the

Accommodations behind the lift rack (A₁) for the overhang of large vehicle should also be







conduit to accommodate their facility plan

PLACEMENT WITHIN BAY: Space in

accommodate a variety of bays. Refer to the

Accommodations behind the lift rack (A₁) for the overhang of large vehicle should also be

Console can be located on opposite side of



REFERENCE A - Runway Base Plate Anchor Locations

- Using lift / recess centerline and indicated threshold location to determine the approximate location of each anchor to secure runway base plates
- In-floor heating lines need to avoid anchor locations.
- In some instances reinforcing bars within concrete have interfered with anchors.

Typical installation has an anchor at each corner of base plates. Optional (OPT) anchor locations are only use in unique circumstances, such as meeting seismic requirements.



REFERENCE B - Rack Console Details

• Use these additional consoles to possible fine tune a rack installation plan.

RX (K SERIES) CONSOLE BASE DETAILS (top view shown - looking through console)

