

INVITATION TO BID		LSU	BID DUE DATE AND TIME		
BOARD OF SUPERVISORS OF LOUISIANA STATE UNIVERSITY AND AGRICULTURAL & MECHANICAL COLLEGE			10/20/2016	11:00 AM	CT
SOLICITATION RFQ-0000000067 SUPPLIER # SUPPLIER NAME AND ADDRESS <div style="border: 1px solid black; height: 80px; width: 100%; margin-top: 10px;"></div>			RETURN BID TO Louisiana State University and Agricultural and Mechanical College Procurement 213 Thomas Boyd Hall Baton Rouge, LA 70803 Buyer Charlotte S Newman Buyer Phone +1 (225) 578-2290 Buyer Email cnewman@lsu.edu Issue Date 10/05/2016		
TITLE: Towers					
To Be Completed By Supplier					
1. _____ "No Bid" (sign and return this page only). 2. _____ My Company does not wish to receive future solicitations for this spend category. 3. Specify your Delivery: To be made within _____ days after receipt of order. 4. If applicable, Supplier's Addendum Acknowledgement/Response: As an authorized agent/signatory of the supplier, I/we acknowledge receipt of this Addendum, and _____ submit no alterations/clarifications to our original bid. _____ submit superseding revisions/clarifications to our original bid as written herein or attached hereto.					
General Instructions to Suppliers					
1. Sealed bids for furnishing the items and/or services specified are hereby solicited, and will be received by LSU Procurement at the "Return Bid To" address stated above, until the specified due date and time. 2. Read the entire solicitation, including all terms, conditions and specifications. 3. All bid information and prices must be typed or written in ink. Any corrections, erasures or other forms of alteration to unit price are to be initialed by the supplier. 4. Bid prices are to be quoted FOB LSU/Destination and inclusive of any and all applicable shipping and handling charges unless otherwise specified in the solicitation. Any invoiced delivery charges not quoted and itemized on the LSU purchase order are subject to rejection and non-payment. 5. Payment is to be made within 30 days after receipt of properly executed invoice, or delivery and acceptance, whichever is later. 6. By signing this solicitation, the supplier certifies compliance with all general instructions to suppliers, terms, conditions and specifications; and further certifies that this bid is made without collusion or fraud.					
SUPPLIER NAME			MAILING ADDRESS		
AUTHORIZED SIGNATURE			CITY, STATE ZIP		
PRINTED NAME			PHONE #		
TITLE			FAX #		
E-MAIL			FEDERAL TAX ID #		

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These standard terms and conditions shall apply to all LSU solicitations, unless otherwise specifically amended and provided for in the special terms and conditions, specifications, or other solicitation documents. In the event of conflict between the General Instructions to Suppliers or Standard Terms & Conditions and the Special Terms & Conditions, the Special Terms & Conditions shall govern.

Bids submitted are subject to provisions of the laws of the State of Louisiana, including but not limited to: the University Procurement Code (LAC 34:XIII. Chapters 3-25) and the terms, conditions, and specifications stated in this solicitation.

1. Supplier Enrollment

Suppliers providing a bid/quote in response to a LSU solicitation must be setup in the University's new procurement system (Workday) for bid tabbing and award of a purchase order. Suppliers should complete the online supplier registration form prior to submitting a bid response and/or the bid due date and time to ensure bid tabbing can be done timely after the bid deadline. This website is used in place of a paper form and must be accompanied with an IRS Request for Taxpayer Identification Number and Certification form (W-9 or W-8 if foreign) to collect the required business and tax information that support the University's reporting and compliance requirements. To inquire if you or your company is setup or for questions regarding setup, email suppliers@lsu.edu. The supplier enrollment form can be located at: http://www.lsu.edu/administration/ofa/procurement/supplier_registration.php

2. Bid Delivery and Receipt

Bids must be received and time-stamped at the "Return Bid To" address no later than the due date and time specified herein. To assure consideration, your bid must be submitted in a sealed envelope or package and should be clearly and prominently marked with the solicitation number and bid due date, or may be submitted in the special bid return envelope if one was furnished for that purpose.

Supplier are advised that the U.S. Postal Service does not make deliveries to our physical location. USPS mail is delivered to the University's mail center and is redelivered using internal resources. Suppliers may deliver bids by hand or by a courier service to the Procurement Office. The University shall not be responsible for any delays caused by the supplier's chosen means of bid delivery. Supplier is solely responsible for the timely delivery of its bid, and failure to meet the bid due date and time shall result in rejection of the bid. Late bids cannot be accepted per LAC 34:XIII.515.B.

3. Bid Forms

Bids are to be submitted on the LSU solicitation forms provided, and must be signed by an authorized agent of the supplier in accordance with LAC 34:XIII.517. Bids submitted on other forms or in other price formats may be considered informal and may be rejected in part or in its entirety. Bids submitted in pencil and/or bids containing no original signature indicating the supplier's intent to be bound will not be accepted.

4. Interpretation of Solicitation/Supplier Inquiries

If supplier is in doubt as to the meaning of any part or requirement of this solicitation, supplier may submit a written request for interpretation to the Buyer-of-Record at the address and/or fax number shown above. Written inquiries must be received in the Procurement Office no later than 4:30 pm CST four (4) business days prior to the opening of bids, and shall be clearly crossreferenced to the relevant solicitation/specification in question.

No decisions or actions shall be executed by any supplier as a result of oral discussions with any LSU employee or consultant. Any interpretation of the documents will be made by formal addendum only, issued by the Procurement Office, and mailed or delivered to all suppliers known to have received the solicitation. LSU shall not be responsible for any other interpretations or assumptions made by supplier.

5. Bid Addenda

Bid Addendum is to be signed and returned with your bid. If you have already submitted your bid, and this Addendum creates a need to revise/clarify your original response in any way, you are required to submit such in writing. To be considered, your addendum response must be submitted to and received by LSU Procurement at the "Return Bid To" address stated above. Submittals for price alterations and addenda to bids must be clearly marked with the solicitation number and the bid due date/time and returned via fax, email, courier service, hand delivery, or USPS mail. Bid revisions received after bid opening cannot be considered, whereupon the supplier must either honor or withdraw its original bid.

6. Bid Opening

Suppliers may attend the public bid opening of sealed bids. No information or opinions concerning the ultimate contract award will be given at bid opening or during the evaluation process. Written bid tabulations will not be furnished.

7. Special Accommodations

Any "qualified individual with a disability" as defined by the Americans with Disabilities Act, who has submitted a bid and desires to attend the public bid opening, must notify the Procurement Office in writing not later than seven days prior to the bid opening date of their need for special accommodations. If the request cannot be reasonably provided, the individual will be informed prior to the bid opening.

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8. Standards of Quality

Any product or service bid shall conform to all applicable federal, state and local laws and regulations, and the specifications contained in the solicitation. Any manufacturer's name, trade name, brand name, or catalog number used in the specification is for the purpose of describing the standard of quality, performance, and characteristics desired; and is not intended to limit or restrict competition. Supplier must specify the brand and model number of the product offered in his bid. Bids not specifying brand and model number shall be considered as offering the exact product specified in the solicitation.

9. New Products/Warranty/Patents

All products bid for purchase must be new, never previously used, of the manufacturer's current model and/or packaging, and of best quality as measured by acceptable trade standards. No remanufactured, demonstrator, used or irregular products will be considered for purchase unless otherwise specified.

The manufacturer's standard published warranty and provisions shall apply, unless more stringent warranties are otherwise required by LSU and specified in the solicitation. In such cases, the supplier and/or manufacturer shall honor the specified warranty requirements, and bid prices shall include any premium costs of such coverage.

Supplier guarantees that the products proposed and furnished will not infringe upon any valid patent or trademark; and shall, at its own expense, defend any and all actions or suits charging such infringement, and shall save LSU harmless.

10. Descriptive Information

Suppliers proposing an equivalent brand or model are to submit with the bid descriptive information (such as literature, technical data, illustrations, etc) sufficient for LSU to evaluate quality, suitability, and compliance with the specifications. Failure to submit descriptive information may cause bid to be rejected. Any changes made by supplier to a manufacturer's published specifications shall be verifiable by the manufacturer. If items bid do not fully comply with specifications, supplier must state in what respect items deviate. Supplier's failure to note exceptions in its bid will not relieve the supplier from supplying the actual products requested.

11. Bids/Prices/F.O.B. Point

- The bid price for each item is to be quoted on a "net" basis and F.O.B. LSU Destination, i.e. title passing upon receipt and inclusive of all delivery charges, any item discounts, etc.
- Bids other than F.O.B. LSU Destination may be rejected.
- Bids indicating estimated freight charges may be rejected.
- Bids requiring deposits, payment in advance, or C.O.D. terms may be rejected.
- Suppliers who do not quote "net" item prices and who separately quote an overall "lump sum" freight cost or discount for all items shall be considered as submitting an "all-or-none" bid for evaluation and award purposes; and risk rejection if award is made on an item or grouped basis.
- Prices shall be firm for acceptance for a minimum of 30 days, unless otherwise specified. Bids conditioned with shorter acceptance periods may be rejected.
- Prices are to be quoted in the unit/packaging specified (e.g. each, 12/box, etc), or may be rejected.
- In the event of extension errors, the unit price bid shall prevail.

12. Taxes

Supplier is responsible for including all applicable taxes in the bid price. LSU is exempt from all Louisiana state and local sales and use taxes. By accepting an award, resident and non-resident firms acknowledge their responsibility for the payment of all taxes duly assessed by the State of Louisiana and its political subdivisions for which they are liable, including but not limited to: franchise taxes, privilege taxes, sales taxes, use taxes, ad valorem taxes, etc.

13. Terms and Conditions

This solicitation contains all terms and conditions with respect to the purchase of the goods and/or services specified herein. Submittal of any contrary terms and conditions may cause your bid to be rejected. By signing and submitting a bid, supplier agrees that contrary terms and conditions which may be included in its bid are nullified.

14. Supplier Forms/LSU Signature Authority

The terms and conditions of the LSU solicitation and purchase order/contract shall solely govern the purchase agreement, and shall not be amended by any supplier contract, form, etc.

The University's chief procurement officer, or authorized designee, is delegated sole authority to execute/sign any supplier contracts, forms, etc, on behalf of LSU. Departments are expressly prohibited from signing any supplier forms. Any such supplier contracts/forms bearing unauthorized signatures shall be null and void, shall have no legal force, and shall not be recognized by LSU in any dispute arising therefrom. Suppliers who present any such forms to department users for signature without regard to this strict LSU policy may face contract cancellation, suspension, and/or debarment.

15. Awards

Award will be made to the lowest responsible and responsive supplier. LSU reserves the right: (1) to award items separately, grouped, or on an all-or-none basis, as deemed in its best interest; (2) to reject any or all bids and/or items; and (3) to waive any informalities.

All solicitation specifications, terms and conditions shall be made part of any subsequent award as if fully reproduced and included therein, unless specifically amended in the formal contract.

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16. Acceptance of Bid

Only the issuance of an official LSU purchase order/contract, a Notification of Award letter, or a Notification of Intent to Award letter shall constitute the University's acceptance of a bid. LSU shall not be responsible in any way to a supplier for goods delivered or services rendered without an official purchase order/contract or award letter. Bid tabulations may be requested after acceptance of bid.

17. Applicable Law

All contracts shall be construed in accordance with and governed by the laws of the State of Louisiana.

18. Awarded Products/Unauthorized Substitutions

Only those awarded brands and numbers stated in the LSU contract are approved for delivery, acceptance, and payment purposes. Any substitutions require prior approval of the Procurement Office. Unauthorized product substitutions are subject to rejection at time of delivery, post-return at supplier's expense, and non-payment.

19. Testing/Rejected Goods

Supplier warrants that the products furnished will be in full conformity with the specification, drawing or sample, and agrees that this warranty shall survive delivery, acceptance, and use. Any defect in any product may cause its rejection. LSU reserves the right to test products for conformance to specifications both prior to and after any award. Supplier shall bear the cost of testing if product is found to be non-compliant. All rejected goods will be held at supplier's risk and expense, and subject to supplier's prompt disposition. Unless otherwise arranged, rejected goods will be returned to the supplier freight collect.

20. Delivery

Supplier is responsible for making timely delivery in accordance with its quoted delivery terms. Supplier shall promptly notify the LSU Department and/or Procurement Office of any unforeseen delays beyond its control. In such cases, LSU reserves the right to cancel the order and to make alternative arrangements to meet its needs.

21. Default of Supplier

Failure to deliver within the time specified in the bid/award will constitute a default and may be cause for contract cancellation. Where the University has determined the supplier to be in default, LSU reserves the right to purchase any or all goods or services covered by the contract on the open market and to surcharge the supplier with costs in excess of the contract price. Until such assessed surcharges have been paid, no subsequent bids from the defaulting supplier will be considered for award.

22. Supplier Invoices

Invoices shall reference the LSU purchase order number, supplier's packing list/delivery ticket number, shipping/delivery date, etc. Invoices are to be itemized and billed in accordance with the order, and submitted on the supplier's own invoice form. Invoices submitted by the supplier's third party supplier are not acceptable.

23. Delinquent Payment Penalties

Delinquent payment penalties are mandated and governed by Louisiana R.S. 39:1695. Supplier penalties to the contrary shall be null and void, shall have no legal force, and shall not be recognized by LSU in any dispute arising therefrom.

24. Assignment of Contract/Contract Proceeds

Supplier shall not assign, sublet or transfer its contractual responsibilities, or payment proceeds thereof, to another party without the prior written consent and approval of the Procurement Office. Unauthorized assignments of contract or assignments of contract proceeds shall be null and void, shall have no legal force, and shall not be recognized by LSU in any dispute arising therefrom.

25. Right to Piggyback

Where this solicitation may name one department as the primary contract user, LSU reserves the right to authorize additional departments/campuses to use the contract as their needs arise; and Vendor shall honor all such purchase orders.

26. Contract Cancellation

LSU has the right to cancel any contract for cause, in accordance with procurement rules and regulations, including but not limited to: (1) failure to deliver within the time specified in the contract; (2) failure of the product or service to meet specifications, conform to sample quality or to be delivered in good condition; (3) misrepresentation by the supplier; (4) fraud, collusion, conspiracy or other unlawful means of obtaining any contract with the University; (5) conflict of contract provisions with constitutional or statutory provisions of state or federal law; (6) any other breach of contract. LSU has the right to cancel any contract for convenience at any time by giving thirty (30) days written notice to the supplier. In such cases, the supplier shall be entitled to payment for compliant deliverables in progress.

27. Prohibited Contractual Arrangements

Per Louisiana R.S. 42:1113.A, no public servant, or member of such a public servant's immediate family, or legal entity in which he has a controlling interest shall bid on or enter into any contract, subcontract, or other transaction that is under the supervision or jurisdiction of the agency of such public servant. See statute for complete law, exclusions, and provisions.

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28. Equal Employment Opportunity Compliance

By submitting and signing this bid, supplier agrees to abide by the requirements of the following as applicable: Title VI and VII of the Civil Rights Act of 1964, as amended by the Equal Opportunity Act of 1972; federal Executive Order 11246; federal Rehabilitation Act of 1973, as amended; the Vietnam Era Veteran's Readjustment Assistance Act of 1974; Title IX of the Education Amendments of 1972; the Age Act of 1975; the Americans with Disabilities Act of 1990. Supplier agrees not to discriminate in its employment practices, and will render services under any contract entered into as a result of this solicitation without regard to race, color, religion, sex, age, national origin, veteran status, political affiliation, handicap, disability, or other non-merit factor. Any act of discrimination committed by supplier, or failure to comply with these statutory obligations when applicable, shall be grounds for termination of any contract entered into as a result of this solicitation.

29. Mutual Indemnification

Each party hereto agrees to indemnify, defend, and hold the other, its officers, directors, agents and employees harmless from and against any and all losses, liabilities, and claims, including reasonable attorney's fees arising out of or resulting from the willful act, fault, omission, or negligence of the indemnifying party or of its employees, contractors, or agents in performing its obligations under this agreement, provided however, that neither party hereto shall be liable to the other for any consequential damages arising out of its willful act, fault, omission, or negligence.

30. Certification of No Suspension or Debarment

By signing and submitting this bid, supplier certifies that its company, any subcontractors, or principals thereof, are not suspended or debarred under federal or state laws or regulations. A list of parties who have been suspended or debarred by federal agencies is maintained by the General Services Administration and can be viewed on the internet at www.epls.gov.

31. Right to Audit

The University shall be entitled to audit the books and records of a supplier or any subcontractor under any negotiated contract or subcontract to the extent that such books and records relate to the performance of such contract or subcontract. Such books and records shall be maintained by the supplier for a period of five (5) years from the date of final payment under the prime contract and by the subcontractor for a period of five (5) years from the date of final payment under the subcontract, pursuant to LAC 34:XIII.1603.

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Sealed bid delivery instructions and advisory: To assure consideration, your bid must be submitted in a sealed envelope or package and should be clearly and prominently marked with the solicitation number and bid due date, or may be submitted in the special bid return envelope if one was furnished for that purpose. Bidders are advised that the U.S. Postal Service does not make deliveries to our physical location. USPS mail is delivered to the University's mail center and is redelivered using internal resources. Bidders may deliver bids by hand or by a courier service to our physical location at the "Return Bid To" address specified. The University shall not be responsible for any delays caused by the Bidder's chosen means of bid delivery. Bidder is solely responsible for the timely delivery of its bid, and failure to meet the bid due date and time shall result in rejection of the bid. Your attention is also directed to Standard Terms & conditions No. 1 - Bid Delivery and Receipt.

Please note attached insurance requirements and indemnification agreement. Successful bidder will be required to execute the indemnification agreement and furnish a certificate of insurance evidencing required coverages and naming the Board of Supervisors of Louisiana State University and Agricultural and Mechanical College as an additional insured.

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ITEM NO.	ITEM DESCRIPTION	QUANTITY	UOM	UNIT PRICE	EXTENDED AMOUNT
UNLESS SPECIFIED ELSEWHERE, SHIP ALL ITEMS TO:					
1	All or None Freight. Specify Manufacturer / Brand Bid: _____ Specify Model / Number Bid: _____	1	Lot	\$ _____	\$ _____
2	All or None Installation - Off-Load and Install 3 Towers, per attached specifications. Specify Manufacturer / Brand Bid: _____ Specify Model / Number Bid: _____	1	Lot	\$ _____	\$ _____
3	All or None Film Tower - 5'-5-1/2" wide 52' tall (observation deck height) x 9'-2" long pre-engineered film tower structures capable of with standing loading as prescribed by the tower manufacturer, per attached specifications. Specify Manufacturer / Brand Bid: _____ Specify Model / Number Bid: _____	3	Each	\$ _____	\$ _____

FILM TOWER SPECIFICATIONS

Charlie McClendon Practice Fields
Louisiana State University

PART 1 - GENERAL

1.1 SUMMARY

- A. Furnish and place (3) three 5'-5-1/2" wide 52'tall (observation deck height) x 9'-2" long pre-engineered film tower structures capable of withstanding loading as prescribed by the tower manufacturer.
- B. The area where the towers are placed will have a concrete footing troweled, smooth and level.
- C. Tower foundations shall be designed by others. The foundation designer shall be a professional engineer licensed to practice in the State of Louisiana. The tower manufacturer shall provide column reactions to be used in the design of the tower foundation.

1.2 SYSTEM DESCRIPTION

- A. This specification is intended to define general requirements that apply to suitable film tower design. The film tower described will be a free standing, custom-engineered system.
- B. Film tower must be easy to erect and disassemble for ease of relocation. Primary tower structure to be fully welded at the factory for ease of installation.
- C. The deflection due to live load of structural members supporting floors shall not exceed 1/360 of the span.
- D. Wind Load, Seismic Load and Drift (lateral deflection) shall be limited to that allowable by the International Building Code (IBC).
- E. Design criteria for the structure shall comply with specific requirements for appropriate application live load and required top of deck height.
- F. Film tower shall include a galley type stair.
- G. All expanded metal panels and stairs shall be galvanized.
- H. Film tower shall include a gable roof 7'-11" above observation deck.

1.3 REFERENCES AND REGULATORY REQUIREMENTS

A. The codes and specifications listed below will be referenced in the design and fabrication of the tower.

2012 IBC	AISC 360-5
2000 29-CFR-1910 (OSHA)	AISC-SJ1
ICBO No. 4627	ASTM A500-GRADE B
	ASTM A325
	ASTM A36
	ASTM A992
	ASTM A490

B. Definitions:

The subsequent definitions give meaning to the terms listed above and others used in this specification.

1. IBC – International Building Code
2. OSHA – Occupational Safety and Health Administration
3. ICBO – International Conference of Building Officials
4. AISC – American Institute of Steel Construction
5. AISC-SJ1 – American Institute of Steel Construction – Steel Joist Institute
6. ASTM – American Standards and Testing Methods
7. AWS – American Welding Society
8. Dead Load – The allowance made in the load capacity of the tower to account for the weight of the tower structure.
9. Collateral Load – The additional dead loads other than the weight of the structure and decking materials.
10. Live Load – The maximum loading that the end user may safely place on the tower. Live load requirement for this project shall be 100 psf.
11. Lateral Load – The force that acts horizontally on the structure causing the tower to sway. All structures shall be designed for some amount of lateral loading.
12. Lateral Deflection (Drift) – The amount that the tower will sway as a result of subjecting it to a lateral load.
13. Wind Load – Additional force that acts on the tower causing movement from uplift, down force and sway.

- C. All film tower calculations shall be designed in accordance with applicable codes and design criteria for Baton Rouge, Louisiana 70803 and East Baton Rouge Parish.

1.4 Quality Assurance

- A. The film tower system manufacturer shall be an established firm with a minimum of 10 years of documented experience in the design and fabrication of custom steel structural systems.
- B. The film tower system shall be designed under the direct supervision of a professional engineer, licensed to practice in the State of Louisiana and experienced in the design of film towers, in accordance with these specifications and national building codes.
- C. Installation contractor shall be a company experienced in installing 52' film towers.

1.5 Submittals

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- A. Structural Calculations: Structural calculations to be generated, signed and sealed by a professional engineer licensed to practice in the State of Louisiana.
 - 1. Documents shall be provided in a bound booklet with cover signed and sealed by the qualified professional engineer responsible for their preparation.
 - 2. Structural calculations will be generated in accordance with the appropriate design loads per the LSU Football Practice Field site located in Baton Rouge, Louisiana.
 - 3. Structural Design and Structural Analysis including stresses and design data shall be provided.
 - 4. Calculations shall include column reactions to be used by others in the design of tower foundations.
 - B. Shop Drawings: Film tower system manufacturer shall generate shop drawings for the film tower system for approval prior to fabrication.
 - 1. Shop drawings shall be provided to Owner for approval prior to fabrication of system.

1.6 Warranty

- A. The manufacturer will warrant the tower to be free from manufacturing defects for a period of one year from the date of substantial completion.

- B. Warranty does not cover damage caused by conditions outside the control of the manufacturer.

Part 2 – Products

2.1 Manufacturer

- A. Manufacturers shall submit sufficient information to demonstrate compliance with design and performance requirements specified herein and with a minimum of 10 years experience in the design and fabrication of custom steel structural systems prior to contracting.

2.2 General

- A. The film tower shall be a custom engineered, freestanding structure. Designed to be in compliance with IBC code requirements and state and local codes.

- B. The film tower structure shall be fully enclosed at the base and up to 16' in height. This to prevent unauthorized access to the tower above.

2.3 Materials

- A. Framing: All framing shall be structural steel tubing and angle framing. Structural components shall be sized to satisfy the structural specifications. The chemistry will equal or exceed that of ASTM A500-Grade B requirements or A36 requirements. Cold-formed "C" channels are not acceptable.
- B. Base Plate Connections: Base plates shall be fully welded around the entire perimeter of the tower column. Base plates shall be centered on the column to facilitate a uniform transfer of axial loads and base shear to the foundation. Base plates shall be prepped for a minimum of 1" bed of non-shrink structural grout. Minimum base plate thickness shall be $\frac{3}{4}$ ".
- C. Columns: Structural support columns shall be sized to satisfy the structural specifications. The chemistry will equal or exceed that of ASTM A500-Grade B requirements. The column section will be of square tube profile, since it has equal strength in both of the principle axis and can facilitate a welded connection. The minimum diameter

size of the square tube will be 3 1/2" x 3 1/2" x 3/16" wall thickness. The minimum number of columns per tower is eight (8).

- D. Angles: Structural angles shall be a minimum of 4" x 3" x 1/4". The chemistry will be equal or exceed ASTM A36.
- E. Stair: Galley Stair assembly will have grip strut treads field bolted to stringers. Stair width shall be 24". Maximum rise per tread shall not exceed 9 5/8". Minimum run per tread shall not be less than 7-11/16". Stair shall maintain a minimum headroom clearance of 6'-8". Stringer and tread components shall have a chemistry, which equals or exceeds that of ASTM A36 requirements. The stair stringers will be a minimum of MC10x8.4. The treads will be grip strut 1 1/2" x 14 ga., 4 diamond 9 1/2" deep x 24" wide. The stair rails shall be 1 1/2" square tubing, factory welded to the stringers. Guard at 42" high and handrail at 34" high with expanded metal enclosure to satisfy public access requirements.
- F. Guardrail: Guardrail will be at least 42" high, framed, and expanded metal public access railing. Guardrail shall be assembled at the factory to be comprised as a welded, one-piece assembly. The guardrail shall fasten directly to the tower frame to achieve maximum strength and rigidity. The chemistry will equal or exceed that of ASTM A36 requirements. All rails will be framed expanded metal. Guardrails to be surfaced mounted to the frame. All guardrails shall be fastened to the frame using 3/8" bolts.
- G. Landing: Depth of landing will not be less than the width of the stairs. All observation landings will cantilever off of the main structure of the tower.
- H. Finish: All parts, pieces and fabricated sections shall be galvanized.
- I. Decking: Standard decking shall be Grip Strut 2" x 14 ga. factory welded to landing surfaces. Manufacturing capacity ratings must be corrected to satisfy L/360 deflection criteria.
- J. Roofing: Roof shall be a closed gable end type roof. Standard roofing shall be corrugated, galvanized, panelized roofing system.

2.4 Fabrication

- A. Fabrication of materials will comply with dimensions, profiles and gauges shown on the approval shop drawings.
- B. Manufacturing to be performed by a U.S. company.

- C. Film tower system design to be performed by a licensed structural engineer. Design performed by technicians through the use of charts is unacceptable.
- D. All design and analysis must be done under the direct supervision of a Professional Engineer. Professional Engineering seals, calculations and footing design must be provided by a Structural Engineer licensed to practice in Louisiana.
- E. Any exceptions taken to this specification must be submitted in writing with the proposal package. In addition to listing the exceptions, it shall be explained how deviating from this specification results in a superior tower design for the end user.

Part 3 - Execution

3.1 Inspection

- A. Film tower contractor's technician shall inspect working areas to insure that job site is cleared and free of all debris and obstacles so installer shall have adequate access to the work area.
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3.2 Preparation

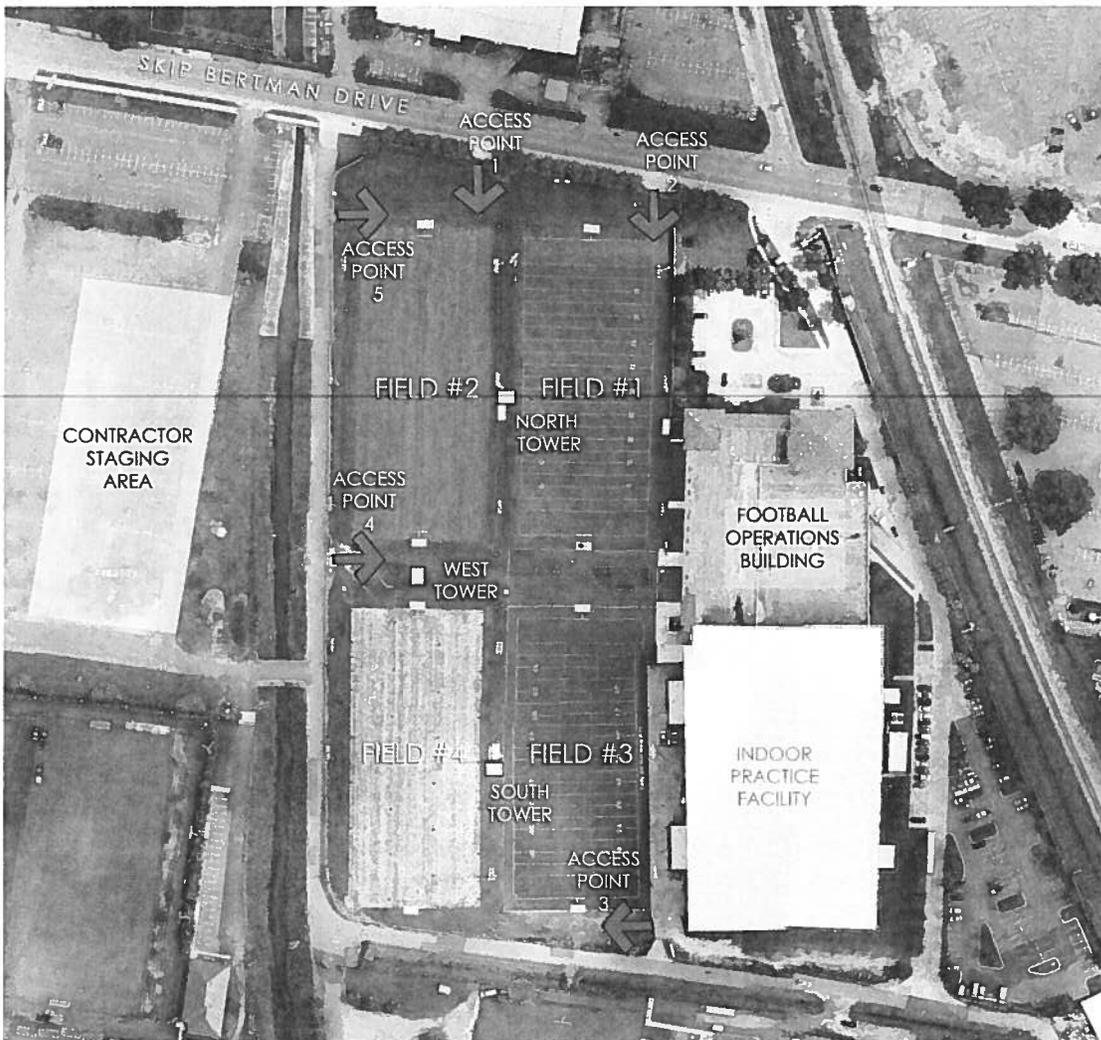
- A. The tower contractor's technician shall make an inspection of the job site prior to preparation of approval drawings.
- B. The tower contractor's technician shall coordinate staging & access into Practice Facility with LSU Athletics.
- C. Contractor shall not drive or place heavy equipment on playing surfaces (football fields).
- D. Contractor shall mat the path of travel of heavy equipment into and out of Practice Field site. Mats shall be 3/4" Plywood or LSU approved equal.

3.3 Installation

- A. The structural capacity of the foundation is to be determined by others using sound engineering practices. The true and level condition as well as the capacity of the floor surface is the responsibility of others.

- B. Installation of the film tower and accessories shall be in accordance with the manufacturer's specifications and instructions contained in the installation manual and drawings.

3.4 Placement Plan for (3) Three Film Towers @ LSU Football Ops Practice Fields:



**BOARD OF SUPERVISORS
LOUISIANA STATE UNIVERSITY AND
AGRICULTURAL & MECHANICAL COLLEGE
Purchasing Office, 213 Thomas Boyd Hall
Baton Rouge, LA 70803-3001**

INSURANCE REQUIREMENTS

WORKMEN'S COMPENSATION AND EMPLOYER'S LIABILITY INSURANCE: The Contractor shall, before commencing any work to be conducted under this contract, procure Workmen's Compensation and Employer's Liability insurance with a limit of liability as required by the Labor Code of the State of Louisiana with an insurance company authorized to write such policies of insurance in the State of Louisiana. It shall be the further responsibility of the Contractor to require that all subcontractors have in full force and effect, a policy of Workmen's Compensation and Employer's Liability insurance before proceeding with any of the work required under this contract. The Employer's Liability limit shall be \$1,000,000 when work is over water and involves maritime exposure.

COMMERCIAL GENERAL LIABILITY INSURANCE: Commercial General Liability Insurance with a combined single limit of \$1,000,000 per occurrence for bodily injury and property damage. This insurance shall include the following coverage:

1. Premises - Operations;
2. Broad Form Contractual Liability;
3. Products and Completed Operations;
4. Use of Contractors and Subcontractors;
5. Personal Injury;
6. Broad Form Property Damage;
7. Explosion, Collapse and Under ground (XCU) Coverage.

BUSINESS AUTOMOBILE LIABILITY INSURANCE: Business Automobile Liability Insurance with a combined single limit of \$1,000,000 per occurrence for bodily injury and property damage, unless otherwise indicated. This insurance shall include for bodily injury and property damage the following coverages:

1. Owned automobiles;
2. Hired automobiles;
3. Non-owned automobiles.

If the vendor/contractor does not own an automobile and an automobile is utilized in the execution of the contract, then only hired and non-owned coverage is acceptable. If an automobile is not utilized for the execution of the contract, then automobile coverage is not required.

Board of Supervisors of Louisiana State University and Agricultural & Mechanical College shall be named as additional insured on all liability policies. A Thirty (30) day prior notice of cancellation must be given to the University for all required coverages. Insurance must be from a company with an A.M. Best's rating of no less than A-:VI who is authorized to do business in the State of Louisiana. The A.M. Best's rating requirement may be waived for Worker's Compensation only.

The successful contractor is to provide the owner with a certificate of insurance prior to commencement of work.

INDEMNIFICATION AGREEMENT

The _____ (Contractor) agrees to protect, defend, indemnify, save, and hold harmless Louisiana State University and A & M College, the State of Louisiana, all State Departments, Agencies, Boards and Commissions, its officers, agents, servants and employees, including volunteers, from and against any and all claims, demands, expense and liability arising out of injury or death to any person or the damage, loss or destruction of any property which may occur or in any way grow out of any act or omission of _____ (Contractor), its agents, servants, and employees, or any and all costs, expense and/or attorney fees incurred by _____ (Contractor) as a result of any claim, demands, and/or causes of action except those claims, demands, and/or causes of action arising out of the negligence of Louisiana State University and A & M College, the State of Louisiana, all State Departments, Agencies, Boards, Commissions, its agents, representatives, and/or employees. _____ (Contractor) agrees to investigate, handle, respond to, provide defense for and defend any such claims, demand, or suit at its sole expense and agrees to bear all other costs and expenses related thereto, even if it (claims, etc.) is groundless, false or fraudulent.

Accepted by _____

Company Name

Signature

Title

Date Accepted _____

Is Certificate of Insurance Attached? ____ Yes ____ No

Bid or RFQ No. _____ for Board of Supervisors of Louisiana State University and A & M College

Purpose of Contract: _____

Rev. 2/12/03