

SCOPE VERIFICATION CHECKLIST
(REQUIRED TO BE SUBMITTED WITH BID)

NDSU Richard D. Offerdahl '65 Engineering Complex
Construction Documents Dated 6/28/24
Bid due date: 8/1/24

Bidder Company: _____
Contact Name: _____
Contact Phone Number: _____

**** PLEASE INCLUDE THIS COMPLETED FORM WITH BID FORM WHEN SUBMITTING BID ****

10	General Bid Package Description - Cast-in-place Concrete	
	The Bid Amount (as indicated on Bid Form) is to include <u>ALL</u> work applicable to the Scope of Work as shown in the Drawings and Specifications. Listed below are <u>additional clarifications</u> for this Scope of Work. These are meant to be specific clarifications only and are not all inclusive. Any discrepancies noted by Bidder may result in disqualification of the Bid. This document may be included as an attachment to the Subcontract.	
	Inclusions	Please indicate " included " on each line below to confirm that each scope item is included
	Bid Documents:	
	Invitation to Bid	
	Sample Subcontract and Exhibits	
	Insurance Requirements and Sample COI	
	McGough Safety Standards	
	Project Schedule Dated 07/10/24	
	Bid Form (Submit with Bid)	
	Specifications Dated 06/28/24	
	Construction Drawings Dated 06/28/24	
	Addendum(s) (please list recognized addendums)	
	Geotechnical Report	
	McGough Site Logistics Plan	
	Spec Sections	
	DIVISION 00 PROCUREMENT AND CONTRACTING REQUIREMENTS	
	DIVISION 01 GENERAL REQUIREMENTS	
	03 2000 - Concrete Reinforcing	
	03 3000 - Cast-in-Place Concrete	
	All other Specifications as applies	
	General Inclusions	
	Subcontractor acknowledges that the Contract Documents are not fully complete. Subcontractor has included in its scope and "Lump Sum" price all items and necessary appurtenances that are required and/or are reasonably inferable to provide a complete scope of work	
	In conformance with the documents, Subcontractor's bid includes material, equipment, tools, hoisting, scaffolding, platforms, temporary bracing, labor, subsistence/per diem, travel expenses, shipping, project management, coordination, planning, permits required for this scope, bonds, insurance per McGough requirements, all federal, state and local taxes, fees, overhead costs and profits	
	Subcontractor agrees to provide scope of work in accordance with documents, industry standards and applicable building codes. Where any of the above conflict with another, Subcontractor is responsible for obtaining clarification from McGough prior to commencing work. Any rework resulting from a failure to do so or resulting from poor workmanship or quality of materials is the sole responsibility of the Subcontractor	
	Subcontractor has agreed to completing the McGough prequalification process	
	Subcontractor to provide schedule of values and cash flow projections each month w/ pay application	
	Subcontractor agrees to provide updated manpower projections to McGough as requested and has included all costs to do so	
	Include all required licenses, state and local permits	
	Subcontractor to provide additional pricing upon request from McGough within 5 business days for all scope of work changes. Pricing will need to be provided on a company letterhead cover sheet with additional backup provided on a McGough change order form. Backup at a minimum will need to provide material and labor breakouts. McGough reserves the right to request additional backup to solidify the proposed pricing submitted.	
	Change order profit and overhead cost for added work performed by Subcontractor's own forces 10% of the cost of work , For added work performed by subSubcontractor's 5% of the cost due to the subSubcontractor.	
	Subcontractor has accounted for providing an updated cost log to McGough on a monthly basis. Cost log should at a minimum show all executed and pending cost changes and their values	
	Include insurance in accordance with McGough requirements; including pollution insurance if scope of work requires	
	Include all specified submittals, warranties and mockups	

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	Subcontractor to provide all closeout materials and warranties per the scope and duration noted in the documents. Warranties are to start at the date of substantial completion of the entire project and is irrespective of any use of work for temporary services during construction	
	Provide submittals in a timely manner to account for lead times and changes in design. Subcontractor shall be solely responsible for impacts due to providing late and/or incomplete submittals as well as submitting large quantities at once ("dumping") that hinders timely review	
	Use of tobacco is not permitted on NDSU campus. No smoking will be allowed anywhere on the project site.	
	No radios other than communication type radios will be permitted on the job site	
	Standard work hours are 7:00 am to 3:30 pm. Work outside these hours shall be coordinated with McGough. Crews expected to be onsite Monday through Friday	
	Subcontractors Superintendent or Foreman and Project manager shall attend weekly on-site coordination meetings as applicable to your scope. Supt. or Foreman shall also participate in "daily huddle" approx. 15 minutes to discuss that days activities	
	Subcontractor is responsible for adhering to the project schedule as issued by McGough. Subcontractor is solely responsible for any impacts caused to the Owner, Architect/Engineer, Subcontractor or other SubSubcontractors as a result of schedule delays it causes and must provide resources including its own labor on overtime to recover delays. Subcontractor will also be responsible for costs borne by McGough and/or other SubSubcontractors and Suppliers to recover delays it causes	
	Include participation in periodic schedule pull plan sessions and weekly project SubSubcontractor meetings during or as appropriate to your scope. Subcontractor agrees to actively partake in project scheduling activities including providing accurate time estimates to McGough Superintendents and providing comments and feedback to schedules issued by McGough	
	Perform installation in sequences directed by McGough to support the construction schedule	
	Utility locates as required for any earthwork/underground/etc. is responsibility of Subcontractor	
	Subcontractor is responsible for coordinating with the testing agency and McGough superintendent and has accounted for costs associated with providing adequate access and time needed to perform such inspections and testing of its scope of work. Subcontractor shall bear sole responsibility and associated costs for retesting or additional testing as a result of poor workmanship or quality of materials	
	Mock-ups are required per the Documents. Subcontractor to build mock-ups that pertain to its scope of work as indicated in the documents, in a manner that they serve the intended purpose of review and adjustment by the owner, architect/engineer and Subcontractor. Mock-ups are to be constructed in a timely manner by the persons responsible for the final in-place construction and are to be coordinated between Subcontractor and McGough Project Superintendent	
	Subcontractor has included any costs associated with manufacturer field visits as noted in the documents or is standard in the field that Subcontractor performs this scope of work in	
	Subcontractor is responsible for all costs related to delayed construction and review of mock-ups	
	Subcontractor to conform to all safety regulations per applicable OSHA and McGough standards and participate in McGough Safety Program	
	Subcontractor shall provide their site-specific safety plan to McGough prior to starting work including all material SDS pertaining to your scope of work. Hard copies of SDS are required to be onsite and stored in McGough construction office	
	Except in designated break areas and office trailers, all Subcontractor personnel working on site need to wear shirts with minimum 4" sleeves (tank tops not allowed), full length pants, class II high vis vest/jacket, Type II safety helmets, Level III cut-resistant gloves, hard sole work boots, and ANSI's Z87.1-2003 rated safety glasses	
	All Subcontractors' employees working on site will be required to attend our on-site safety orientation prior to starting work. This orientation is approximately 45 mins to 1 hour in length and generally will be scheduled to occur once per week	
	Provide roof and leading edge fall protection (harnesses and retractable, etc. for your employees as required to meet 6-foot fall protection rule (any worker above 6 feet must be tied off 100% of time). This includes and all work occurring on the roof levels, at all times, as there is no temporary or permanent perimeter guardrail system	

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	McGough will conduct a weekly safety meeting of approximately 30 mins. In length. Attendance is required for all workers onsite	
	Subcontractor shall provide all safety equipment (i.e. fire ext., PPE, fall protection, safety barricades, devices, covers, etc.) as required for the safe conduct of their work and in accordance w/ the latest OSHA requirements	
	Required that each Subcontractor has a competent person as determined by OSHA onsite when the Subcontractor is mobilized and performing work	
	Traffic control as required to complete scope of work	
	Site will have very limited space for laydown. All deliveries and any on site storage to be made in consultation with McGough project superintendent	
	Provide material handling within the building as applicable for their scope of work	
	Provide all survey, staking and layout associated with this work. Control points for the building will be provided by others	
	Subcontractor is responsible for maintaining a clean job site as it relates to its scope of work. Additional cleanup maybe required by Subcontractor as determined by McGough. Include equipment for your scope including trash carts for material transfer from floors. Note, McGough will not perform general site cleanup. All trades are responsible for cleanup of their activity and materials to include the dumping of materials into jobsite dumpsters.	
	Subcontractor is responsible for all design, engineering, procurement, construction and removal of any temporary bracing, supports etc. needed to complete Subcontractor's scope of work safely and without impacting existing work in place. If Subcontractor believes, contrary to McGough, that such controls are not needed for a given condition, it is responsible for conducting engineering to substantiate its claim	
	Subcontractor is responsible for removing all hazardous waste off-site in accordance with laws and regulations. Provide documentation of such removals to McGough within 24 hours. Owner has hired a third party abatement Subcontractor to remove all asbestos containing materials.	
	Subcontractor is responsible for removing all non-hazardous waste to the on-site dumpsters. Dumpsters to be provided by McGough.	
	Any and all Subcontractors installing materials or equipment after the permanent roofing is installed must provide proper and adequate protection of the roofing materials during their scope of work. Protection will be 1" insulation and 1/2" plywood	
	Subcontractor is responsible for providing power to their trailer(s), connex boxes and any power connections	
	Include distribution of temp power, extension cords and task lighting for your scope	
	Subcontractor shall provide their own temp. elec. power and lighting as required until the elec. Subcontractor completes the initial temp. service and wiring installation for the project. Once the initial service is completed, temp. power, wiring, lighting and distribution will be provide in accordance w/ current OSHA requirements. Any requirements in excess of these shall be at the expense of the Subcontractor. Any electrical service in excess of single phase, 120V power shall be the responsibility of the Subcontractor. All temp. work shall be removed by the installing Subcontractor	
	Subcontractor is responsible for cutting and patching of all penetrations through walls, partitions, floors, ceilings and roofs necessary for the installation of its work	
	Subcontractor is responsible for maintaining a current set of construction documents for use by its crew. Changes to construction documents will be distributed electronically by McGough to all Subcontractors. Extra hard copies will not be provided by McGough for use by Subcontractors	
	Subcontractor has included all costs associated with maintaining and submitting on request, electronic copies of all as-builts pertaining to its scope of work	
	Subcontractor shall respect the work of others and shall be responsible for costs incurred in repairing work by others damaged by its personnel	
	Subcontractor to submit Quality Control Program to McGough a minimum of 15 days prior to starting its scope of work. McGough to review and provide recommendations on changes if any are required	
	Subcontractor to conduct quality control steps as noted in the Quality Control Program and specifications and documents. Submit all reports and inspection records to McGough within 24 hours of completion	

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	Subcontractor agrees to rectify any deficient work within 3 days of being notified by Owner, Architect/Engineer, AHJ, Third Party Testing Agency, Manufacturer or Subcontractor. Documentation of remedial action is the responsibility of the Subcontractor. Subcontractor shall bear sole responsibility for costs where such deficiencies impact the work of others	
	Subcontractor acknowledges that it is responsible for all its tiered SubSubcontractors and that McGough reserves the right to reasonably object to any tiered SubSubcontractors. No tiered SubSubcontractor with a current EMR greater than 1.0 may be awarded work on this project	
	3rd party engineering of scope of work per contract documents and/or standard trade practices required	
	Attend preinstallation meeting prior to start of work	
	Subcontractor is responsible to follow on campus parking regulations to include payment of personnel parking passes if needed	
	Subcontractor shall provide the warranty as indicated in the Contract Documents. If no warranty is specified, SubSubcontractor shall carry a 12-month warranty period for labor, materials, and workmanship. The warranty period shall commence at the date of Substantial Completion of the Project, or once the system is put into use by the Owner.	
	Subcontractor includes all crew accommodations and drinking water for its on-site employees, including all tier-subSubcontractors.	
	The Prime Contract includes terms and conditions requiring certain information pertaining to Registered Sex Offenders ("RSO"). By signing this Subcontract, Subcontractor acknowledges and certifies its compliance with the terms of Section 3.4.3 of the Prime Contract requiring notification of RSOs, including, to the extent possible, background checks. The Owner reserves the right to not allow RSOs to work on State Institution property.	
	<u>Specific Scope Inclusions</u>	
	General	
	McGough will provide survey site control points, all other survey, layout and field verification required for this scope to be included.	
	Field verifications required to complete scope of work. Contractor is responsible for verifying location and elevation prior to each pour.	
	Furnish concrete for compressive testing	
	Winter conditions as applies per schedule. Blanket and covering should be included	
	Comply with hot and cold weather concrete practices, provide all concrete blanketing, hot water and hot aggregates as required per the schedule and per the standards listed in the specifications	
	Concrete mixes and admixtures meeting specified strengths	
	Provide all pumping, hoses, slick lines, etc. for placement of all concrete included in this scope of work	
	Localized dewatering to facilitate scope of work	
	Concrete washout containment enclosures as required	
	All formwork and components	
	Include hand excavation and fine grading as required for placement of all concrete. Furnish and install vapor barrier	
	Misc. grading of sand layer provided by others below footings and foundations. Assume that sand/aggregate layer will be w/ in plus or minus a 1/10' per required finished elevation	
	All substructure foundation concrete	
	Formed block outs, openings, penetrations as indicated and layout and installation of sleeves provided by others	
	All accessories required for concrete work (bond breakers, expansion joints, construction, control joints, water stops, form deck, etc.)	
	Furnish and install specified reinforcing and accessories required to complete scope of work	
	Placement of reinforcing around penetrations per documents	
	Install of anchor bolts and steel embedded in concrete. Anchor bolt templates provided by steel supplier.	
	Removal and Reinstallation per engineered response all incorrectly installed anchor bolts. This work must be completed by a certified installer.	
	Provide additional trim reinforcing around foundation block outs, sleeves and openings as required	
	Provide and install all dowels into CMU walls from foundations per documents	
	Patching of all tie holes and surface imperfections to a class B finish at all foundation receiving waterproofing	
	Removal of form fins and surface protrusions	
	Provide all saw cutting for jointing plans	
	Provide curing as indicated in documents	

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Contact Name: _____
Contact Phone Number: _____

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11	General Bid Package Description - Strong Wall Concrete	
	The Bid Amount (as indicated on Bid Form) is to include <u>ALL</u> work applicable to the Scope of Work as shown in the Drawings and Specifications. Listed below are <u>additional clarifications</u> for this Scope of Work. These are meant to be specific clarifications only and are not all inclusive. Any discrepancies noted by Bidder may result in disqualification of the Bid. This document may be included as an attachment to the Subcontract.	
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	Construction Drawings Dated 06/28/24	
	Addendum(s) (please list recognized addendums)	
	Spec Sections	
	DIVISION 00 PROCUREMENT AND CONTRACTING REQUIREMENTS	
	DIVISION 01 GENERAL REQUIREMENTS	
	03 2000 - Concrete Reinforcing	
	03 3000 - Cast-in-Place Concrete	
	All other Specifications as applies	
	General Inclusions	
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	In conformance with the documents, Subcontractor's bid includes material, equipment, tools, hoisting, scaffolding, platforms, temporary bracing, labor, subsistence/per diem, travel expenses, shipping, project management, coordination, planning, permits required for this scope, bonds, insurance per McGough requirements, all federal, state and local taxes, fees, overhead costs and profits	
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	Subcontractor has accounted for providing an updated cost log to McGough on a monthly basis. Cost log should at a minimum show all executed and pending cost changes and their values	
	Include insurance in accordance with McGough requirements; including pollution insurance if scope of work requires	
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	Provide submittals in a timely manner to account for lead times and changes in design. Subcontractor shall be solely responsible for impacts due to providing late and/or incomplete submittals as well as submitting large quantities at once ("dumping") that hinders timely review	
	Use of tobacco is not permitted on NDSU campus. No smoking will be allowed anywhere on the project site.	
	No radios other than communication type radios will be permitted on the job site	
	Standard work hours are 7:00 am to 3:30 pm. Work outside these hours shall be coordinated with McGough. Crews expected to be onsite Monday through Friday	
	Subcontractors Superintendent or Foreman and Project manager shall attend weekly on-site coordination meetings as applicable to your scope. Supt. or Foreman shall also participate in "daily huddle" approx. 15 minutes to discuss that days activities	
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	Include participation in periodic schedule pull plan sessions and weekly project SubSubcontractor meetings during or as appropriate to your scope. Subcontractor agrees to actively partake in project scheduling activities including providing accurate time estimates to McGough Superintendents and providing comments and feedback to schedules issued by McGough	
	Perform installation in sequences directed by McGough to support the construction schedule	
	Utility locates as required for any earthwork/underground/etc. is responsibility of Subcontractor	
	Subcontractor is responsible for coordinating with the testing agency and McGough superintendent and has accounted for costs associated with providing adequate access and time needed to perform such inspections and testing of its scope of work. Subcontractor shall bear sole responsibility and associated costs for retesting or additional testing as a result of poor workmanship or quality of materials	
	Mock-ups are required per the Documents. Subcontractor to build mock-ups that pertain to its scope of work as indicated in the documents, in a manner that they serve the intended purpose of review and adjustment by the owner, architect/engineer and Subcontractor. Mock-ups are to be constructed in a timely manner by the persons responsible for the final in-place construction and are to be coordinated between Subcontractor and McGough Project Superintendent	
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	Subcontractor is responsible for all costs related to delayed construction and review of mock-ups	
	Subcontractor to conform to all safety regulations per applicable OSHA and McGough standards and participate in McGough Safety Program	
	Subcontractor shall provide their site-specific safety plan to McGough prior to starting work including all material SDS pertaining to your scope of work. Hard copies of SDS are required to be onsite and stored in McGough construction office	
	Except in designated break areas and office trailers, all Subcontractor personnel working on site need to wear shirts with minimum 4" sleeves (tank tops not allowed), full length pants, class II high vis vest/jacket, Type II safety helmets, Level III cut-resistant gloves, hard sole work boots, and ANSI's Z87.1-2003 rated safety	
	All Subcontractors' employees working on site will be required to attend our on-site safety orientation prior to starting work. This orientation is approximately 45 mins to 1 hour in length and generally will be scheduled to occur once per week	
	Provide roof and leading edge fall protection (harnesses and retractable, etc. for your employees as required to meet 6-foot fall protection rule (any worker above 6 feet must be tied off 100% of time). This includes and all work occurring on the roof levels, at all times, as there is no temporary or permanent perimeter guardrail system	
	McGough will conduct a weekly safety meeting of approximately 30 mins. In length. Attendance is required for all workers onsite	
	Subcontractor shall provide all safety equipment (i.e. fire ext., PPE, fall protection, safety barricades, devices, covers, etc.) as required for the safe conduct of their work and in accordance w/ the latest OSHA requirements	
	Required that each Subcontractor has a competent person as determined by OSHA onsite when the Subcontractor is mobilized and performing work	
	Traffic control as required to complete scope of work	
	Site will have very limited space for laydown. All deliveries and any on site storage to be made in consultation with McGough project superintendent	
	Provide material handling within the building as applicable for their scope of work	
	Provide all survey, staking and layout associated with this work. Control points for the building will be provided by others	
	Subcontractor is responsible for maintaining a clean job site as it relates to its scope of work. Additional cleanup maybe required by Subcontractor as determined by McGough. Include equipment for your scope including trash carts for material transfer from floors. Note, McGough will not perform general site cleanup. All trades are responsible for cleanup of their activity and materials to include the dumping of materials into jobsite dumpsters.	
	Subcontractor is responsible for all design, engineering, procurement, construction and removal of any temporary bracing, supports etc. needed to complete Subcontractor's scope of work safely and without impacting existing work in place. If Subcontractor believes, contrary to McGough, that such controls are not needed for a given condition, it is responsible for conducting engineering to substantiate its claim	
	Subcontractor is responsible for removing all hazardous waste off-site in accordance with laws and regulations. Provide documentation of such removals to McGough within 24 hours. Owner has hired a third party abatement Subcontractor to remove all asbestos containing materials.	
	Subcontractor is responsible for removing all non-hazardous waste to the on-site dumpsters. Dumpsters to be provided by McGough.	
	Any and all Subcontractors installing materials or equipment after the permanent roofing is installed must provide proper and adequate protection of the roofing materials during their scope of work. Protection will be 1" insulation and 1/2" plywood	
	Subcontractor is responsible for providing power to their trailer(s), connex boxes and any power connections	

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	Include distribution of temp power, extension cords and task lighting for your scope	
	Subcontractor shall provide their own temp. elec. power and lighting as required until the elec. Subcontractor completes the initial temp. service and wiring installation for the project. Once the initial service is completed, temp. power, wiring, lighting and distribution will be provide in accordance w/ current OSHA requirements. Any requirements in excess of these shall be at the expense of the Subcontractor. Any electrical service in excess of single phase, 120V power shall be the responsibility of the Subcontractor. All temp. work shall be removed by the installing Subcontractor	
	Subcontractor is responsible for cutting and patching of all penetrations through walls, partitions, floors, ceilings and roofs necessary for the installation of its work	
	Subcontractor is responsible for maintaining a current set of construction documents for use by its crew. Changes to construction documents will be distributed electronically by McGough to all Subcontractors. Extra hard copies will not be provided by McGough for use by Subcontractors	
	Subcontractor has included all costs associated with maintaining and submitting on request, electronic copies of all as-builts pertaining to its scope of work	
	Subcontractor shall respect the work of others and shall be responsible for costs incurred in repairing work by others damaged by its personnel	
	Subcontractor to submit Quality Control Program to McGough a minimum of 15 days prior to starting its scope of work. McGough to review and provide recommendations on changes if any are required	
	Subcontractor to conduct quality control steps as noted in the Quality Control Program and specifications and documents. Submit all reports and inspection records to McGough within 24 hours of completion	
	Subcontractor agrees to rectify any deficient work within 3 days of being notified by Owner, Architect/Engineer, AHJ, Third Party Testing Agency, Manufacturer or Subcontractor. Documentation of remedial action is the responsibility of the Subcontractor. Subcontractor shall bear sole responsibility for costs where such deficiencies impact the work of others	
	Subcontractor acknowledges that it is responsible for all its tiered SubSubcontractors and that McGough reserves the right to reasonably object to any tiered SubSubcontractors. No tiered SubSubcontractor with a current EMR greater than 1.0 may be awarded work on this project	
	3rd party engineering of scope of work per contract documents and/or standard trade practices required	
	Attend preinstallation meeting prior to start of work	
	Subcontractor is responsible to follow on campus parking regulations to include payment of personnel parking passes if needed	
	Subcontractor shall provide the warranty as indicated in the Contract Documents. If no warranty is specified, SubSubcontractor shall carry a 12-month warranty period for labor, materials, and workmanship. The warranty period shall commence at the date of Substantial Completion of the Project, or once the system is put into use by the Owner.	
	Subcontractor includes all crew accommodations and drinking water for its on-site employees, including all tier-subSubcontractors.	
	The Prime Contract includes terms and conditions requiring certain information pertaining to Registered Sex Offenders ("RSO"). By signing this Subcontract, Subcontractor acknowledges and certifies its compliance with the terms of Section 3.4.3 of the Prime Contract requiring notification of RSOs, including, to the extent possible, background checks. The Owner reserves the right to not allow RSOs to work on State Institution property.	
	<u>Specific Scope Inclusions</u>	
	General	
	Field verifications required to complete scope of work. Contractor is responsible for verifying location and elevation.	

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	Provide all labor and materials associated with the strong wall and strong floor assemblies as indicated on S1.01C	
	Concrete mixes and admixtures meeting specified strengths	
	Provide all pumping, hoses, etc. for placement of all concrete included in this scope of work	
	All formwork and components	
	Furnish and install all rebar reinforcement as indicated.	
	Steel plates, sleeve nuts, threaded rods, pipes, etc to be provided by others but installed by this subcontractor within specified tolerances	
	Miscellaneous Requested Information:	
	Quantities	
	Tonnage for Rebar Reinforcement	
	Total CY Concrete	
	Lead Times	
	Exclusions	List any Specific Exclusions
	Payment and performance bonds	
	Temporary Toilets	
	Special inspections and testing.	
	Ground thaw and heat for winter conditions	
	Estimate Breakout	Value Included in Bid
	Bid Unit Pricing - wages, fringes, taxes, insurance, benefits, etc. Mark-ups for Overhead and Profit (OH&P) will be allowed however, DO NOT include mark-ups for OH&P in the Unit Pricing Below:	
	Labor Unit Pricing	Fully Loaded Labor Wage/Hour
	Trade	Regular Overtime Double-time
	Foreman	
	Laborer	
	Unit Pricing	Cost/Unit Unit
	Item	

END OF CHECKLIST

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Bidder Company: _____
Contact Name: _____
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**** PLEASE INCLUDE THIS COMPLETED FORM WITH BID FORM WHEN SUBMITTING BID ****

12	General Bid Package Description - Precast Concrete	
	The Bid Amount (as indicated on Bid Form) is to include <u>ALL</u> work applicable to the Scope of Work as shown in the Drawings and Specifications. Listed below are <u>additional clarifications</u> for this Scope of Work. These are meant to be specific clarifications only and are not all inclusive. Any discrepancies noted by Bidder may result in disqualification of the Bid. This document may be included as an attachment to the Subcontract.	
	Inclusions	Please indicate " included " on each line below to confirm that each scope item is included
	Bid Documents:	
	Invitation to Bid	
	Sample Subcontract and Exhibits	
	Insurance Requirements and Sample COI	
	McGough Safety Standards	
	Project Schedule Dated 07/10/24	
	Bid Form (Submit with Bid)	
	Specifications Dated 06/28/24	
	Construction Drawings Dated 06/28/24	
	Addendum(s) (please list recognized addendums)	
	Geotechnical Report	
	McGough Site Logistics Plan	
	Spec Sections	
	DIVISION 00 PROCUREMENT AND CONTRACTING REQUIREMENTS	
	DIVISION 01 GENERAL REQUIREMENTS	
	03 4500 - Precast Architectural Wall Panels	
	07 0000 - Joint Sealants	
	All other Specifications as applies	
	General Inclusions	
	Subcontractor acknowledges that the Contract Documents are not fully complete. Subcontractor has included in its scope and "Lump Sum" price all items and necessary appurtenances that are required and/or are reasonably inferable to provide a complete scope of work	
	In conformance with the documents, Subcontractor's bid includes material, equipment, tools, hoisting, scaffolding, platforms, temporary bracing, labor, subsistence/per diem, travel expenses, shipping, project management, coordination, planning, permits required for this scope, bonds, insurance per McGough requirements, all federal, state and local taxes, fees, overhead costs and profits	
	Subcontractor agrees to provide scope of work in accordance with documents, industry standards and applicable building codes. Where any of the above conflict with another, Subcontractor is responsible for obtaining clarification from McGough prior to commencing work. Any rework resulting from a failure to do so or resulting from poor workmanship or quality of materials is the sole responsibility of the Subcontractor	
	Subcontractor has agreed to completing the McGough prequalification process	
	Subcontractor to provide schedule of values and cash flow projections each month w/ pay application	
	Subcontractor agrees to provide updated manpower projections to McGough as requested and has included all costs to do so	
	Include all required licenses, state and local permits	
	Subcontractor to provide additional pricing upon request from McGough within 5 business days for all scope of work changes. Pricing will need to be provided on a company letterhead cover sheet with additional backup provided on a McGough change order form. Backup at a minimum will need to provide material and labor breakouts. McGough reserves the right to request additional backup to solidify the proposed pricing submitted.	
	Change order profit and overhead cost for added work performed by Subcontractor's own forces 10% of the cost of work , For added work performed by subSubcontractor's 5% of the cost due to the subSubcontractor.	
	Subcontractor has accounted for providing an updated cost log to McGough on a monthly basis. Cost log should at a minimum show all executed and pending cost changes and their values	
	Include insurance in accordance with McGough requirements; including pollution insurance if scope of work requires	
	Include all specified submittals, warranties and mockups	

SCOPE VERIFICATION CHECKLIST
(REQUIRED TO BE SUBMITTED WITH BID)

NDSU Richard D. Offerdahl '65 Engineering Complex
Construction Documents Dated 6/28/24
Bid due date: 8/1/24

	Subcontractor to provide all closeout materials and warranties per the scope and duration noted in the documents. Warranties are to start at the date of substantial completion of the entire project and is irrespective of any use of work for temporary services during construction	
	Provide submittals in a timely manner to account for lead times and changes in design. Subcontractor shall be solely responsible for impacts due to providing late and/or incomplete submittals as well as submitting large quantities at once ("dumping") that hinders timely review	
	Use of tobacco is not permitted on NDSU campus. No smoking will be allowed anywhere on the project site.	
	No radios other than communication type radios will be permitted on the job site	
	Standard work hours are 7:00 am to 3:30 pm. Work outside these hours shall be coordinated with McGough. Crews expected to be onsite Monday through Friday	
	Subcontractors Superintendent or Foreman and Project manager shall attend weekly on-site coordination meetings as applicable to your scope. Supt. or Foreman shall also participate in "daily huddle" approx. 15 minutes to discuss that days activities	
	Subcontractor is responsible for adhering to the project schedule as issued by McGough. Subcontractor is solely responsible for any impacts caused to the Owner, Architect/Engineer, Subcontractor or other SubSubcontractors as a result of schedule delays it causes and must provide resources including its own labor on overtime to recover delays. Subcontractor will also be responsible for costs borne by McGough and/or other SubSubcontractors and Suppliers to recover delays it causes	
	Include participation in periodic schedule pull plan sessions and weekly project SubSubcontractor meetings during or as appropriate to your scope. Subcontractor agrees to actively partake in project scheduling activities including providing accurate time estimates to McGough Superintendents and providing comments and feedback to schedules issued by McGough	
	Perform installation in sequences directed by McGough to support the construction schedule	
	Utility locates as required for any earthwork/underground/etc. is responsibility of Subcontractor	
	Subcontractor is responsible for coordinating with the testing agency and McGough superintendent and has accounted for costs associated with providing adequate access and time needed to perform such inspections and testing of its scope of work. Subcontractor shall bear sole responsibility and associated costs for retesting or additional testing as a result of poor workmanship or quality of materials	
	Mock-ups are required per the Documents. Subcontractor to build mock-ups that pertain to its scope of work as indicated in the documents, in a manner that they serve the intended purpose of review and adjustment by the owner, architect/engineer and Subcontractor. Mock-ups are to be constructed in a timely manner by the persons responsible for the final in-place construction and are to be coordinated between Subcontractor and McGough Project Superintendent	
	Subcontractor has included any costs associated with manufacturer field visits as noted in the documents or is standard in the field that Subcontractor performs this scope of work in	
	Subcontractor is responsible for all costs related to delayed construction and review of mock-ups	
	Subcontractor to conform to all safety regulations per applicable OSHA and McGough standards and participate in McGough Safety Program	
	Subcontractor shall provide their site-specific safety plan to McGough prior to starting work including all material SDS pertaining to your scope of work. Hard copies of SDS are required to be onsite and stored in McGough construction office	
	Except in designated break areas and office trailers, all Subcontractor personnel working on site need to wear shirts with minimum 4" sleeves (tank tops not allowed), full length pants, class II high vis vest/jacket, Type II safety helmets, Level III cut-resistant gloves, hard sole work boots, and ANSI's Z87.1-2003 rated safety glasses	
	All Subcontractors' employees working on site will be required to attend our on-site safety orientation prior to starting work. This orientation is approximately 45 mins to 1 hour in length and generally will be scheduled to occur once per week	

SCOPE VERIFICATION CHECKLIST
(REQUIRED TO BE SUBMITTED WITH BID)

NDSU Richard D. Offerdahl '65 Engineering Complex
Construction Documents Dated 6/28/24
Bid due date: 8/1/24

	Provide roof and leading edge fall protection (harnesses and retractable, etc. for your employees as required to meet 6-foot fall protection rule (any worker above 6 feet must be tied off 100% of time). This includes and all work occurring on the roof levels, at all times, as there is no temporary or permanent perimeter guardrail system	
	McGough will conduct a weekly safety meeting of approximately 30 mins. In length. Attendance is required for all workers onsite	
	Subcontractor shall provide all safety equipment (i.e. fire ext., PPE, fall protection, safety barricades, devices, covers, etc.) as required for the safe conduct of their work and in accordance w/ the latest OSHA requirements	
	Required that each Subcontractor has a competent person as determined by OSHA onsite when the Subcontractor is mobilized and performing work	
	Traffic control as required to complete scope of work	
	Site will have very limited space for laydown. All deliveries and any on site storage to be made in consultation with McGough project superintendent	
	Provide material handling within the building as applicable for their scope of work	
	Provide all survey, staking and layout associated with this work. Control points for the building will be provided by others	
	Subcontractor is responsible for maintaining a clean job site as it relates to its scope of work. Additional cleanup maybe required by Subcontractor as determined by McGough. Include equipment for your scope including trash carts for material transfer from floors. Note, McGough will not perform general site cleanup. All trades are responsible for cleanup of their activity and materials to include the dumping of materials into jobsite dumpsters.	
	Subcontractor is responsible for all design, engineering, procurement, construction and removal of any temporary bracing, supports etc. needed to complete Subcontractor's scope of work safely and without impacting existing work in place. If Subcontractor believes, contrary to McGough, that such controls are not needed for a given condition, it is responsible for conducting engineering to substantiate its claim	
	Subcontractor is responsible for removing all hazardous waste off-site in accordance with laws and regulations. Provide documentation of such removals to McGough within 24 hours. Owner has hired a third party abatement Subcontractor to remove all asbestos containing materials.	
	Subcontractor is responsible for removing all non-hazardous waste to the on-site dumpsters. Dumpsters to be provided by McGough.	
	Any and all Subcontractors installing materials or equipment after the permanent roofing is installed must provide proper and adequate protection of the roofing materials during their scope of work. Protection will be 1" insulation and 1/2" plywood	
	Subcontractor is responsible for providing power to their trailer(s), connex boxes and any power connections	
	Include distribution of temp power, extension cords and task lighting for your scope	
	Subcontractor shall provide their own temp. elec. power and lighting as required until the elec. Subcontractor completes the initial temp. service and wiring installation for the project. Once the initial service is completed, temp. power, wiring, lighting and distribution will be provide in accordance w/ current OSHA requirements. Any requirements in excess of these shall be at the expense of the Subcontractor. Any electrical service in excess of single phase, 120V power shall be the responsibility of the Subcontractor. All temp. work shall be removed by the installing Subcontractor	
	Subcontractor is responsible for cutting and patching of all penetrations through walls, partitions, floors, ceilings and roofs necessary for the installation of its work	
	Subcontractor is responsible for maintaining a current set of construction documents for use by its crew. Changes to construction documents will be distributed electronically by McGough to all Subcontractors. Extra hard copies will not be provided by McGough for use by Subcontractors	
	Subcontractor has included all costs associated with maintaining and submitting on request, electronic copies of all as-builts pertaining to its scope of work	
	Subcontractor shall respect the work of others and shall be responsible for costs incurred in repairing work by others damaged by its personnel	
	Subcontractor to submit Quality Control Program to McGough a minimum of 15 days prior to starting its scope of work. McGough to review and provide recommendations on changes if any are required	

SCOPE VERIFICATION CHECKLIST
(REQUIRED TO BE SUBMITTED WITH BID)

NDSU Richard D. Offerdahl '65 Engineering Complex
Construction Documents Dated 6/28/24
Bid due date: 8/1/24

	Subcontractor to conduct quality control steps as noted in the Quality Control Program and specifications and documents. Submit all reports and inspection records to McGough within 24 hours of completion	
	Subcontractor agrees to rectify any deficient work within 3 days of being notified by Owner, Architect/Engineer, AHJ, Third Party Testing Agency, Manufacturer or Subcontractor. Documentation of remedial action is the responsibility of the Subcontractor. Subcontractor shall bear sole responsibility for costs where such deficiencies impact the work of others	
	Subcontractor acknowledges that it is responsible for all its tiered SubSubcontractors and that McGough reserves the right to reasonably object to any tiered SubSubcontractors. No tiered SubSubcontractor with a current EMR greater than 1.0 may be awarded work on this project	
	3rd party engineering of scope of work per contract documents and/or standard trade practices required	
	Attend preinstallation meeting prior to start of work	
	Subcontractor is responsible to follow on campus parking regulations to include payment of personnel parking passes if needed	
	Subcontractor shall provide the warranty as indicated in the Contract Documents. If no warranty is specified, SubSubcontractor shall carry a 12-month warranty period for labor, materials, and workmanship. The warranty period shall commence at the date of Substantial Completion of the Project, or once the system is put into use by the Owner.	
	Subcontractor includes all crew accommodations and drinking water for its on-site employees, including all tier-subSubcontractors.	
	The Prime Contract includes terms and conditions requiring certain information pertaining to Registered Sex Offenders ("RSO"). By signing this Subcontract, Subcontractor acknowledges and certifies its compliance with the terms of Section 3.4.3 of the Prime Contract requiring notification of RSOs, including, to the extent possible, background checks. The Owner reserves the right to not allow RSOs to work on State Institution property.	
	Specific Scope Inclusions	
	General	
	Furnish and installation of all structural and architectural precast panels as designed, detailed, and described per contract documents	
	Furnish all Hollow core Precast Plank as designed, detailed, and described per contract documents	
	Coordinate Hollow core Precast Plank Delivery with Steel Install contractor	
	Furnish and installation of all reinforcing steel for precast concrete as designed, detailed, and described per contract documents	
	Furnish and installation of all insulation required in precast panels as designed, detailed, and described per contract documents	
	Precast panel finishes are included per contract documents	
	Delegated design and engineering of precast panels	
	Coordination of delegated design with all other exterior wall assembly systems	
	Includes supply, installation, and removal of all necessary temporary bracing components needed for precast construction	
	Coordination of delegated design with steel subcontractor to ensure insert locations and block outs at bearing locations are accounted for	
	Cost of trucking and permitting will be the responsibility of this subcontractor	
	Coordination with other trades to ensure all materials requiring being cast in precast panels are accounted for and installed	
	Furnish and installation of all embeds, anchor bolts, steel angles, etc. required for installation and structural connections of precast panels that are to be cast in precast panels	
	Furnish of all embeds, anchor bolts, steel angles, etc. required for installation and structural connections of precast panels. Installation into cast in place concrete or masonry by others.	
	Furnish and installation of all exterior and interior sealing / caulking of precast panels as required per contract documents	
	Furnish and installation of all exterior caulking at precast penetrations excluding windows. I.e. hollow metal frames, louvers, MEP penetrations, etc.	
	Offsite mock up erection and disassembly	

SCOPE VERIFICATION CHECKLIST
(REQUIRED TO BE SUBMITTED WITH BID)

NDSU Richard D. Offerdahl '65 Engineering Complex
Construction Documents Dated 6/28/24
Bid due date: 8/1/24

	Plant material testing	
	Penetrations as noted per plans, engineering time for 10 additional penetrations	
	Furnish and installation of panel grouting as required	
	Furnish and installation of panel patching as required to achieve architects requirements	
	Final adjustment of precast panels	
	Final clean of precast panels to meet architects requirements	
	All hoisting equipment, cranes, riggers, pads, etc. required to complete this scope of work	
	Provide crane pick plans at each crane setup as well as an engineered shoring plan	
	Winter conditions as applies per schedule	
	Provide all saw cutting as required at precast	
	Provide and apply all concrete curing requirements	
	Provide BIM model and participate in coordination meetings	
	Include mockups as indicated in the construction documents.	
	Include 40 hrs of crane and operator for hoisting at the direction of McGough. T&M tickets shall be provided to McGough to track usage.	
	Miscellaneous Requested Information:	
	Quantities	
	Lead Times	
	Shop Drawings	
	Precast	
	Exclusions	List any Specific Exclusions
	Payment and performance bonds	
	Estimate Breakout	Value Included in Bid
	Bid Unit Pricing - wages, fringes, taxes, insurance, benefits, etc. Mark-ups for Overhead and Profit (OH&P) will be allowed however, DO NOT include mark-ups for OH&P in the Unit Pricing Below:	
	Labor Unit Pricing	Fully Loaded Labor Wage/Hour
	Trade	Regular Overtime Double-time
	Foreman	
	Operator	
	Journeyman	
	Unit Pricing	Cost/Unit Unit
	Item	
	Welder	
	Crane	
	Lift	

END OF CHECKLIST

SCOPE VERIFICATION CHECKLIST
(REQUIRED TO BE SUBMITTED WITH BID)

NDSU Richard D. Offerdahl '65 Engineering Complex
Construction Documents Dated 6/28/24
Bid due date: 8/1/24

Bidder Company: _____
Contact Name: _____
Contact Phone Number: _____

**** PLEASE INCLUDE THIS COMPLETED FORM WITH BID FORM WHEN SUBMITTING BID ****

13	General Bid Package Description - Structural Steel Supply	
	The Bid Amount (as indicated on Bid Form) is to include ALL work applicable to the Scope of Work as shown in the Drawings and Specifications. Listed below are additional clarifications for this Scope of Work. These are meant to be specific clarifications only and are not all inclusive. Any discrepancies noted by Bidder may result in disqualification of the Bid. This document may be included as an attachment to the Subcontract.	
	Inclusions	Please indicate " included " on each line below to confirm that each scope item is included
	Bid Documents:	
	Invitation to Bid	
	Sample Subcontract and Exhibits	
	Insurance Requirements and Sample COI	
	McGough Safety Standards	
	Project Schedule Dated 07/10/24	
	Bid Form (Submit with Bid)	
	Specifications Dated 06/28/24	
	Construction Drawings Dated 06/28/24	
	Addendum(s) (please list recognized addendums)	
	Geotechnical Report	
	McGough Site Logistics Plan	
	Spec Sections	
	DIVISION 00 PROCUREMENT AND CONTRACTING REQUIREMENTS	
	DIVISION 01 GENERAL REQUIREMENTS	
	05 1200 - Structural Steel Framing	
	05 2100 - Steel Joist Framing	
	05 3100 - Steel Decking	
	All other Specifications as applies	
	General Inclusions	
	Subcontractor acknowledges that the Contract Documents are not fully complete. Subcontractor has included in its scope and "Lump Sum" price all items and necessary appurtenances that are required and/or are reasonably inferable to provide a complete scope of work	
	In conformance with the documents, Subcontractor's bid includes material, equipment, tools, hoisting, scaffolding, platforms, temporary bracing, labor, subsistence/per diem, travel expenses, shipping, project management, coordination, planning, permits required for this scope, bonds, insurance per McGough requirements, all federal, state and local taxes, fees, overhead costs and profits	
	Subcontractor agrees to provide scope of work in accordance with documents, industry standards and applicable building codes. Where any of the above conflict with another, Subcontractor is responsible for obtaining clarification from McGough prior to commencing work. Any rework resulting from a failure to do so or resulting from poor workmanship or quality of materials is the sole responsibility of the Subcontractor	
	Subcontractor has agreed to completing the McGough prequalification process	
	Subcontractor to provide schedule of values and cash flow projections each month w/ pay application	
	Subcontractor agrees to provide updated manpower projections to McGough as requested and has included all costs to do so	
	Include all required licenses, state and local permits	
	Subcontractor to provide additional pricing upon request from McGough within 5 business days for all scope of work changes. Pricing will need to be provided on a company letterhead cover sheet with additional backup provided on a McGough change order form. Backup at a minimum will need to provide material and labor beakouts. McGough reserves the right to request additional backup to solidify the proposed pricing submitted.	
	Change order profit and overhead cost for added work performed by Subcontractor's own forces 10% of the cost of work , For added work performed by subSubcontractor's 5% of the cost due to the subSubcontractor.	
	Subcontractor has accounted for providing an updated cost log to McGough on a monthly basis. Cost log should at a minimum show all executed and pending cost changes and their values	

SCOPE VERIFICATION CHECKLIST
(REQUIRED TO BE SUBMITTED WITH BID)

NDSU Richard D. Offerdahl '65 Engineering Complex
Construction Documents Dated 6/28/24
Bid due date: 8/1/24

	Include insurance in accordance with McGough requirements; including pollution insurance if scope of work requires	
	Include all specified submittals, warranties and mockups	
	Subcontractor to provide all closeout materials and warranties per the scope and duration noted in the documents. Warranties are to start at the date of substantial completion of the entire project and is irrespective of any use of work for temporary services during construction	
	Provide submittals in a timely manner to account for lead times and changes in design. Subcontractor shall be solely responsible for impacts due to providing late and/or incomplete submittals as well as submitting large quantities at once ("dumping") that hinders timely review	
	Use of tobacco is not permitted on NDSU campus. No smoking will be allowed anywhere on the project site.	
	No radios other than communication type radios will be permitted on the job site	
	Standard work hours are 7:00 am to 3:30 pm. Work outside these hours shall be coordinated with McGough. Crews expected to be onsite Monday through Friday	
	Subcontractors Superintendent or Foreman and Project manager shall attend weekly on-site coordination meetings as applicable to your scope. Supt. or Foreman shall also participate in "daily huddle" approx. 15 minutes to discuss that days activities	
	Subcontractor is responsible for adhering to the project schedule as issued by McGough. Subcontractor is solely responsible for any impacts caused to the Owner, Architect/Engineer, Subcontractor or other SubSubcontractors as a result of schedule delays it causes and must provide resources including its own labor on overtime to recover delays. Subcontractor will also be responsible for costs borne by McGough and/or other SubSubcontractors and Suppliers to recover delays it causes	
	Include participation in periodic schedule pull plan sessions and weekly project SubSubcontractor meetings during or as appropriate to your scope. Subcontractor agrees to actively partake in project scheduling activities including providing accurate time estimates to McGough Superintendents and providing comments and feedback to schedules issued by McGough	
	Perform installation in sequences directed by McGough to support the construction schedule	
	Utility locates as required for any earthwork/underground/etc. is responsibility of Subcontractor	
	Subcontractor is responsible for coordinating with the testing agency and McGough superintendent and has accounted for costs associated with providing adequate access and time needed to perform such inspections and testing of its scope of work. Subcontractor shall bear sole responsibility and associated costs for retesting or additional testing as a result of poor workmanship or quality of materials	
	Mock-ups are required per the Documents. Subcontractor to build mock-ups that pertain to its scope of work as indicated in the documents, in a manner that they serve the intended purpose of review and adjustment by the owner, architect/engineer and Subcontractor. Mock-ups are to be constructed in a timely manner by the persons responsible for the final in-place construction and are to be coordinated between Subcontractor and McGough Project Superintendent	
	Subcontractor has included any costs associated with manufacturer field visits as noted in the documents or is standard in the field that Subcontractor performs this scope of work in	
	Subcontractor is responsible for all costs related to delayed construction and review of mock-ups	
	Subcontractor to conform to all safety regulations per applicable OSHA and McGough standards and participate in McGough Safety Program	
	Subcontractor shall provide their site-specific safety plan to McGough prior to starting work including all material SDS pertaining to your scope of work. Hard copies of SDS are required to be onsite and stored in McGough construction office	
	Except in designated break areas and office trailers, all Subcontractor personnel working on site need to wear shirts with minimum 4" sleeves (tank tops not allowed), full length pants, class II high vis vest/jacket, Type II safety helmets, Level III cut-resistant gloves, hard sole work boots, and ANSI's Z87.1-2003 rated safety glasses	

SCOPE VERIFICATION CHECKLIST
(REQUIRED TO BE SUBMITTED WITH BID)

NDSU Richard D. Offerdahl '65 Engineering Complex
Construction Documents Dated 6/28/24
Bid due date: 8/1/24

	All Subcontractors' employees working on site will be required to attend our on-site safety orientation prior to starting work. This orientation is approximately 45 mins to 1 hour in length and generally will be scheduled to occur once per week	
	Provide roof and leading edge fall protection (harnesses and retractable, etc. for your employees as required to meet 6-foot fall protection rule (any worker above 6 feet must be tied off 100% of time). This includes and all work occurring on the roof levels, at all times, as there is no temporary or permanent perimeter guardrail system	
	McGough will conduct a weekly safety meeting of approximately 30 mins. In length. Attendance is required for all workers onsite	
	Subcontractor shall provide all safety equipment (i.e. fire ext., PPE, fall protection, safety barricades, devices, covers, etc.) as required for the safe conduct of their work and in accordance w/ the latest OSHA requirements	
	Required that each Subcontractor has a competent person as determined by OSHA onsite when the Subcontractor is mobilized and performing work	
	Traffic control as required to complete scope of work	
	Site will have very limited space for laydown. All deliveries and any on site storage to be made in consultation with McGough project superintendent	
	Provide material handling within the building as applicable for their scope of work	
	Provide all survey, staking and layout associated with this work. Control points for the building will be provided by others	
	Subcontractor is responsible for maintaining a clean job site as it relates to its scope of work. Additional cleanup maybe required by Subcontractor as determined by McGough. Include equipment for your scope including trash carts for material transfer from floors. Note, McGough will not perform general site cleanup. All trades are responsible for cleanup of their activity and materials to include the dumping of materials into jobsite dumpsters.	
	Subcontractor is responsible for all design, engineering, procurement, construction and removal of any temporary bracing, supports etc. needed to complete Subcontractor's scope of work safely and without impacting existing work in place. If Subcontractor believes, contrary to McGough, that such controls are not needed for a given condition, it is responsible for conducting engineering to substantiate its claim	
	Subcontractor is responsible for removing all hazardous waste off-site in accordance with laws and regulations. Provide documentation of such removals to McGough within 24 hours. Owner has hired a third party abatement Subcontractor to remove all asbestos containing materials.	
	Subcontractor is responsible for removing all non-hazardous waste to the on-site dumpsters. Dumpsters to be provided by McGough.	
	Any and all Subcontractors installing materials or equipment after the permanent roofing is installed must provide proper and adequate protection of the roofing materials during their scope of work. Protection will be 1" insulation and 1/2" plywood	
	Subcontractor is responsible for providing power to their trailer(s), connex boxes and any power connections	
	Include distribution of temp power, extension cords and task lighting for your scope	
	Subcontractor shall provide their own temp. elec. power and lighting as required until the elec. Subcontractor completes the initial temp. service and wiring installation for the project. Once the initial service is completed, temp. power, wiring, lighting and distribution will be provide in accordance w/ current OSHA requirements. Any requirements in excess of these shall be at the expense of the Subcontractor. Any electrical service in excess of single phase, 120V power shall be the responsibility of the Subcontractor. All temp. work shall be removed by the installing Subcontractor	
	Subcontractor is responsible for cutting and patching of all penetrations through walls, partitions, floors, ceilings and roofs necessary for the installation of its work	
	Subcontractor is responsible for maintaining a current set of construction documents for use by its crew. Changes to construction documents will be distributed electronically by McGough to all Subcontractors. Extra hard copies will not be provided by McGough for use by Subcontractors	
	Subcontractor has included all costs associated with maintaining and submitting on request, electronic copies of all as-builts pertaining to its scope of work	
	Subcontractor shall respect the work of others and shall be responsible for costs incurred in repairing work by others damaged by its personnel	

SCOPE VERIFICATION CHECKLIST
(REQUIRED TO BE SUBMITTED WITH BID)

NDSU Richard D. Offerdahl '65 Engineering Complex
Construction Documents Dated 6/28/24
Bid due date: 8/1/24

	Subcontractor to submit Quality Control Program to McGough a minimum of 15 days prior to starting its scope of work. McGough to review and provide recommendations on changes if any are required	
	Subcontractor to conduct quality control steps as noted in the Quality Control Program and specifications and documents. Submit all reports and inspection records to McGough within 24 hours of completion	
	Subcontractor agrees to rectify any deficient work within 3 days of being notified by Owner, Architect/Engineer, AHJ, Third Party Testing Agency, Manufacturer or Subcontractor. Documentation of remedial action is the responsibility of the Subcontractor. Subcontractor shall bear sole responsibility for costs where such deficiencies impact the work of others	
	Subcontractor acknowledges that it is responsible for all its tiered SubSubcontractors and that McGough reserves the right to reasonably object to any tiered SubSubcontractors. No tiered SubSubcontractor with a current EMR greater than 1.0 may be awarded work on this project	
	3rd party engineering of scope of work per contract documents and/or standard trade practices required	
	Attend preinstallation meeting prior to start of work	
	Subcontractor is responsible to follow on campus parking regulations to include payment of personnel parking passes if needed	
	Subcontractor shall provide the warranty as indicated in the Contract Documents. If no warranty is specified, SubSubcontractor shall carry a 12-month warranty period for labor, materials, and workmanship. The warranty period shall commence at the date of Substantial Completion of the Project, or once the system is put into use by the Owner.	
	Subcontractor includes all crew accommodations and drinking water for its on-site employees, including all tier-subSubcontractors.	
	The Prime Contract includes terms and conditions requiring certain information pertaining to Registered Sex Offenders ("RSO"). By signing this Subcontract, Subcontractor acknowledges and certifies its compliance with the terms of Section 3.4.3 of the Prime Contract requiring notification of RSOs, including, to the extent possible, background checks. The Owner reserves the right to not allow RSOs to work on State Institution property.	
	Specific Scope Inclusions	
	Steel Supply	
	Structural columns, beams, joist, bridging, elevator hoist beams, girders, joist acc., misc. steel, etc.; including any additional material per Structural documents	
	Finishes as indicated (shop primed, galvanized, etc.)	
	Do not adhere labels to structural steel that will be primed, painted or fireproofed, or costs associated with removing labels shall be borne by this contractor	
	Structural steel supports for equipment as shown on structural drawings	
	Support steel around openings	
	Slab edge and roof edge	
	All loose lintels as indicated in the BP-2 construction documents	
	Support steel for stairs	
	Provide all anchor bolts and templates for placement by others. Provide 2 templates per setting and 4 nuts per anchor bolt	
	Bar joist and metal decking; including decking for stoops	
	Name of bar joist and decking manufacturer:	
	Closure material for all penetrations in decking	
	FOB jobsite	
	All applicable connectors, hardware, studs, etc.	
	All anchor bolts, steel embed plates and supports	
	Moment and braced frames	
	All applicable connectors, hardware, studs, etc.	
	Include dunnage and crating	
	Include installation aids for erector	
	AISC Certified Fabricator	
	Coordination of all opening sizes and locations required for this work	
	Coordinate sequence and deliveries with steel Installer, assume on-time deliveries and no on-site storage. Has included multiple off-loadings as required	
	Coordination of all opening sizes and locations required for this work	
	Provide BIM model and participate in coordination meetings	
	Deferred engineering and connection detailing as indicated in the construction documents and specs	

SCOPE VERIFICATION CHECKLIST
(REQUIRED TO BE SUBMITTED WITH BID)

NDSU Richard D. Offerdahl '65 Engineering Complex
Construction Documents Dated 6/28/24
Bid due date: 8/1/24

	Provide steel assemblies associated with the Strong Wall and Floor to include plates, sleeve nuts, threaded rods, pipes, etc. (exclude concrete rebar reinforcement)	
	Phase deliveries per Area as indicated in the construction schedule	
	Provide an additional 500LF of L 3x3x1/4" per note 19 S0.01	
	Provide materials for install of angles and cable for temporary gaurdrail around all leading deck edges and deck openings. To be used for duration of the project	
	Following notice of intent to award, supplier shall immediately proceed with anchor bolt and embed shop drawings and will proceed with fabrication to facilitate materials onsite 10/7/24	
	All perimeter edge andgles and pour stops	
	mechanical chiller and cooler framing	
	structural steel supports for all curtain wall assemblies	
	galvanized pipe for overhead door - 12/s501	
	Exterior pipe bollards	
	Provide allowance for skywalks	
	Note: If the combined value of the low bids for scope packages #13 and #14 are higher than the low bid in scope package #15, the steel supply and install packages will be awarded to the low bidder in scope package #15.	
	Miscellaneous Requested Information:	
	Quantities	
	Indicate total tonnage of Structural Steel assumed	
	Indicate total tonnage of Misc Metals assumed	
	Indicate total tonnage of steel joists assumed	
	Lead Times	
	Shop Drawings	
	Structural Steel	
	Joists	
	Exclusions	List any Specific Exclusions
	Payment and performance bonds	
	Special Inspection Testing	
	Stairs and railings	
	Decorative metals	
	Unidentified Misc Metals	
	Skywalk Assemblies	
	Rebar Reinforcement for Strong Wall	
	Estimate Breakout	Value Included in Bid
	Cost for Strong Wall and Floor Steel Assembly (excluding rebar reinforcement)	
	Bid Unit Pricing - wages, fringes, taxes, insurance, benefits, etc. Mark-ups for Overhead and Profit (OH&P) will be allowed however, DO NOT include mark-ups for OH&P in the Unit Pricing Below:	
	Labor Unit Pricing	Fully Loaded Labor Wage/Hour
	Trade	Regular Overtime Double-time
	Unit Pricing	Cost/Unit Unit
	Item	

END OF CHECKLIST

SCOPE VERIFICATION CHECKLIST
(REQUIRED TO BE SUBMITTED WITH BID)

NDSU Richard D. Offerdahl '65 Engineering Complex
Construction Documents Dated 6/28/24
Bid due date: 8/1/24

Bidder Company: _____
Contact Name: _____
Contact Phone Number: _____

**** PLEASE INCLUDE THIS COMPLETED FORM WITH BID FORM WHEN SUBMITTING BID ****

14	General Bid Package Description - Structural Steel Install	
	The Bid Amount (as indicated on Bid Form) is to include <u>ALL</u> work applicable to the Scope of Work as shown in the Drawings and Specifications. Listed below are <u>additional clarifications</u> for this Scope of Work. These are meant to be specific clarifications only and are not all inclusive. Any discrepancies noted by Bidder may result in disqualification of the Bid. This document may be included as an attachment to the Subcontract.	
	Inclusions	Please indicate "included" on each line below to confirm that each scope item is included
	Bid Documents:	
	Invitation to Bid	
	Sample Subcontract and Exhibits	
	Insurance Requirements and Sample COI	
	McGough Safety Standards	
	Project Schedule Dated 07/10/24	
	Bid Form (Submit with Bid)	
	Specifications Dated 06/28/24	
	Construction Drawings Dated 06/28/24	
	Addendum(s) (please list recognized addendums)	
	Geotechnical Report	
	McGough Site Logistics Plan	
	Spec Sections	
	DIVISION 00 PROCUREMENT AND CONTRACTING REQUIREMENTS	
	DIVISION 01 GENERAL REQUIREMENTS	
	05 1200 - Structural Steel Framing	
	05 2100 - Steel Joist Framing	
	05 3100 - Steel Decking	
	All other Specifications as applies	
	General Inclusions	
	Subcontractor acknowledges that the Contract Documents are not fully complete. Subcontractor has included in its scope and "Lump Sum" price all items and necessary appurtenances that are required and/or are reasonably inferable to provide a complete scope of work	
	In conformance with the documents, Subcontractor's bid includes material, equipment, tools, hoisting, scaffolding, platforms, temporary bracing, labor, subsistence/per diem, travel expenses, shipping, project management, coordination, planning, permits required for this scope, bonds, insurance per McGough requirements, all federal, state and local taxes, fees, overhead costs and profits	
	Subcontractor agrees to provide scope of work in accordance with documents, industry standards and applicable building codes. Where any of the above conflict with another, Subcontractor is responsible for obtaining clarification from McGough prior to commencing work. Any rework resulting from a failure to do so or resulting from poor workmanship or quality of materials is the sole responsibility of the Subcontractor	
	Subcontractor has agreed to completing the McGough prequalification process	
	Subcontractor to provide schedule of values and cash flow projections each month w/ pay application	
	Subcontractor agrees to provide updated manpower projections to McGough as requested and has included all costs to do so	
	Include all required licenses, state and local permits	
	Subcontractor to provide additional pricing upon request from McGough within 5 business days for all scope of work changes. Pricing will need to be provided on a company letterhead cover sheet with additional backup provided on a McGough change order form. Backup at a minimum will need to provide material and labor beakouts. McGough reserves the right to request additional backup to solidify the proposed pricing submitted.	
	Change order profit and overhead cost for added work performed by Subcontractor's own forces 10% of the cost of work , For added work performed by subSubcontractor's 5% of the cost due to the subSubcontractor.	
	Subcontractor has accounted for providing an updated cost log to McGough on a monthly basis. Cost log should at a minimum show all executed and pending cost changes and their values	

SCOPE VERIFICATION CHECKLIST
(REQUIRED TO BE SUBMITTED WITH BID)

NDSU Richard D. Offerdahl '65 Engineering Complex
Construction Documents Dated 6/28/24
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	Include insurance in accordance with McGough requirements; including pollution insurance if scope of work requires	
	Include all specified submittals, warranties and mockups	
	Subcontractor to provide all closeout materials and warranties per the scope and duration noted in the documents. Warranties are to start at the date of substantial completion of the entire project and is irrespective of any use of work for temporary services during construction	
	Provide submittals in a timely manner to account for lead times and changes in design. Subcontractor shall be solely responsible for impacts due to providing late and/or incomplete submittals as well as submitting large quantities at once ("dumping") that hinders timely review	
	Use of tobacco is not permitted on NDSU campus. No smoking will be allowed anywhere on the project site.	
	No radios other than communication type radios will be permitted on the job site	
	Standard work hours are 7:00 am to 3:30 pm. Work outside these hours shall be coordinated with McGough. Crews expected to be onsite Monday through Friday	
	Subcontractors Superintendent or Foreman and Project manager shall attend weekly on-site coordination meetings as applicable to your scope. Supt. or Foreman shall also participate in "daily huddle" approx. 15 minutes to discuss that days activities	
	Subcontractor is responsible for adhering to the project schedule as issued by McGough. Subcontractor is solely responsible for any impacts caused to the Owner, Architect/Engineer, Subcontractor or other SubSubcontractors as a result of schedule delays it causes and must provide resources including its own labor on overtime to recover delays. Subcontractor will also be responsible for costs borne by McGough and/or other SubSubcontractors and Suppliers to recover delays it causes	
	Include participation in periodic schedule pull plan sessions and weekly project SubSubcontractor meetings during or as appropriate to your scope. Subcontractor agrees to actively partake in project scheduling activities including providing accurate time estimates to McGough Superintendents and providing comments and feedback to schedules issued by McGough	
	Perform installation in sequences directed by McGough to support the construction schedule	
	Utility locates as required for any earthwork/underground/etc. is responsibility of Subcontractor	
	Subcontractor is responsible for coordinating with the testing agency and McGough superintendent and has accounted for costs associated with providing adequate access and time needed to perform such inspections and testing of its scope of work. Subcontractor shall bear sole responsibility and associated costs for retesting or additional testing as a result of poor workmanship or quality of materials	
	Mock-ups are required per the Documents. Subcontractor to build mock-ups that pertain to its scope of work as indicated in the documents, in a manner that they serve the intended purpose of review and adjustment by the owner, architect/engineer and Subcontractor. Mock-ups are to be constructed in a timely manner by the persons responsible for the final in-place construction and are to be coordinated between Subcontractor and McGough Project Superintendent	
	Subcontractor has included any costs associated with manufacturer field visits as noted in the documents or is standard in the field that Subcontractor performs this scope of work in	
	Subcontractor is responsible for all costs related to delayed construction and review of mock-ups	
	Subcontractor to conform to all safety regulations per applicable OSHA and McGough standards and participate in McGough Safety Program	
	Subcontractor shall provide their site-specific safety plan to McGough prior to starting work including all material SDS pertaining to your scope of work. Hard copies of SDS are required to be onsite and stored in McGough construction office	
	Except in designated break areas and office trailers, all Subcontractor personnel working on site need to wear shirts with minimum 4" sleeves (tank tops not allowed), full length pants, class II high vis vest/jacket, Type II safety helmets, Level III cut-resistant gloves, hard sole work boots, and ANSI's Z87.1-2003 rated safety glasses	

SCOPE VERIFICATION CHECKLIST
(REQUIRED TO BE SUBMITTED WITH BID)

NDSU Richard D. Offerdahl '65 Engineering Complex
Construction Documents Dated 6/28/24
Bid due date: 8/1/24

	All Subcontractors' employees working on site will be required to attend our on-site safety orientation prior to starting work. This orientation is approximately 45 mins to 1 hour in length and generally will be scheduled to occur once per week	
	Provide roof and leading edge fall protection (harnesses and retractable, etc. for your employees as required to meet 6-foot fall protection rule (any worker above 6 feet must be tied off 100% of time). This includes and all work occurring on the roof levels, at all times, as there is no temporary or permanent perimeter guardrail system	
	McGough will conduct a weekly safety meeting of approximately 30 mins. In length. Attendance is required for all workers onsite	
	Subcontractor shall provide all safety equipment (i.e. fire ext., PPE, fall protection, safety barricades, devices, covers, etc.) as required for the safe conduct of their work and in accordance w/ the latest OSHA requirements	
	Required that each Subcontractor has a competent person as determined by OSHA onsite when the Subcontractor is mobilized and performing work	
	Traffic control as required to complete scope of work	
	Site will have very limited space for laydown. All deliveries and any on site storage to be made in consultation with McGough project superintendent	
	Provide material handling within the building as applicable for their scope of work	
	Provide all survey, staking and layout associated with this work. Control points for the building will be provided by others	
	Subcontractor is responsible for maintaining a clean job site as it relates to its scope of work. Additional cleanup maybe required by Subcontractor as determined by McGough. Include equipment for your scope including trash carts for material transfer from floors. Note, McGough will not perform general site cleanup. All trades are responsible for cleanup of their activity and materials to include the dumping of materials into jobsite dumpsters.	
	Subcontractor is responsible for all design, engineering, procurement, construction and removal of any temporary bracing, supports etc. needed to complete Subcontractor's scope of work safely and without impacting existing work in place. If Subcontractor believes, contrary to McGough, that such controls are not needed for a given condition, it is responsible for conducting engineering to substantiate its claim	
	Subcontractor is responsible for removing all hazardous waste off-site in accordance with laws and regulations. Provide documentation of such removals to McGough within 24 hours. Owner has hired a third party abatement Subcontractor to remove all asbestos containing materials.	
	Subcontractor is responsible for removing all non-hazardous waste to the on-site dumpsters. Dumpsters to be provided by McGough.	
	Any and all Subcontractors installing materials or equipment after the permanent roofing is installed must provide proper and adequate protection of the roofing materials during their scope of work. Protection will be 1" insulation and 1/2" plywood	
	Subcontractor is responsible for providing power to their trailer(s), connex boxes and any power connections	
	Include distribution of temp power, extension cords and task lighting for your scope	
	Subcontractor shall provide their own temp. elec. power and lighting as required until the elec. Subcontractor completes the initial temp. service and wiring installation for the project. Once the initial service is completed, temp. power, wiring, lighting and distribution will be provide in accordance w/ current OSHA requirements. Any requirements in excess of these shall be at the expense of the Subcontractor. Any electrical service in excess of single phase, 120V power shall be the responsibility of the Subcontractor. All temp. work shall be removed by the installing Subcontractor	
	Subcontractor is responsible for cutting and patching of all penetrations through walls, partitions, floors, ceilings and roofs necessary for the installation of its work	
	Subcontractor is responsible for maintaining a current set of construction documents for use by its crew. Changes to construction documents will be distributed electronically by McGough to all Subcontractors. Extra hard copies will not be provided by McGough for use by Subcontractors	

SCOPE VERIFICATION CHECKLIST
(REQUIRED TO BE SUBMITTED WITH BID)

NDSU Richard D. Offerdahl '65 Engineering Complex
Construction Documents Dated 6/28/24
Bid due date: 8/1/24

	Subcontractor has included all costs associated with maintaining and submitting on request, electronic copies of all as-builts pertaining to its scope of work	
	Subcontractor shall respect the work of others and shall be responsible for costs incurred in repairing work by others damaged by its personnel	
	Subcontractor to submit Quality Control Program to McGough a minimum of 15 days prior to starting its scope of work. McGough to review and provide recommendations on changes if any are required	
	Subcontractor to conduct quality control steps as noted in the Quality Control Program and specifications and documents. Submit all reports and inspection records to McGough within 24 hours of completion	
	Subcontractor agrees to rectify any deficient work within 3 days of being notified by Owner, Architect/Engineer, AHJ, Third Party Testing Agency, Manufacturer or Subcontractor. Documentation of remedial action is the responsibility of the Subcontractor. Subcontractor shall bear sole responsibility for costs where such deficiencies impact the work of others	
	Subcontractor acknowledges that it is responsible for all its tiered SubSubcontractors and that McGough reserves the right to reasonably object to any tiered SubSubcontractors. No tiered SubSubcontractor with a current EMR greater than 1.0 may be awarded work on this project	
	3rd party engineering of scope of work per contract documents and/or standard trade practices required	
	Attend preinstallation meeting prior to start of work	
	Subcontractor is responsible to follow on campus parking regulations to include payment of personnel parking passes if needed	
	Subcontractor shall provide the warranty as indicated in the Contract Documents. If no warranty is specified, SubSubcontractor shall carry a 12-month warranty period for labor, materials, and workmanship. The warranty period shall commence at the date of Substantial Completion of the Project, or once the system is put into use by the Owner.	
	Subcontractor includes all crew accommodations and drinking water for its on-site employees, including all tier-subSubcontractors.	
	The Prime Contract includes terms and conditions requiring certain information pertaining to Registered Sex Offenders ("RSO"). By signing this Subcontract, Subcontractor acknowledges and certifies its compliance with the terms of Section 3.4.3 of the Prime Contract requiring notification of RSOs, including, to the extent possible, background checks. The Owner reserves the right to not allow RSOs to work on State Institution property.	
	<u>Specific Scope Inclusions</u>	
	<u>Steel Install</u>	
	Installation of all structural steel	
	Field verify anchor bolt settings and embed prior to erection	
	Installation all steel supports for equipment as shown on structural drawings	
	Installation of slab edge	
	Installation of roof edge	
	Installation stair support steel	
	Perform all welding for structural steel package	
	Installation of all support steel around openings	
	Installation of all decking	
	Installation of all shear studs	
	Perform all welding of decking	
	Cutting and reinforcing of openings in decking	
	Installation of all closures at openings in decking	
	Closure material for all penetrations in decking	
	Provide all temporary power supply for welders and any other equipment to the extent required for Subcontractor's scope of work	
	All applicable connectors, hardware, studs, etc.	
	Moment and braced frames	
	Install and removal temporary guard rail system at building perimeter and interior slab openings as required, per OSHA standards. Includes materials and maintenance while erection crews on site.	
	Provide and install required Shims	
	Coordinate sequence and deliveries with steel fabricator, assume on-time deliveries and no on-site storage.	
	Coordination of all opening sizes and locations required for this work.	
	Provided all surveying and layout associated with this scope of work.	
	Provide rigger and signal person for steel erection	

SCOPE VERIFICATION CHECKLIST
(REQUIRED TO BE SUBMITTED WITH BID)

NDSU Richard D. Offerdahl '65 Engineering Complex
Construction Documents Dated 6/28/24
Bid due date: 8/1/24

Bidder Company: _____
Contact Name: _____
Contact Phone Number: _____

**** PLEASE INCLUDE THIS COMPLETED FORM WITH BID FORM WHEN SUBMITTING BID ****

15	General Bid Package Description - Structural Steel Combined	
	The Bid Amount (as indicated on Bid Form) is to include ALL work applicable to the Scope of Work as shown in the Drawings and Specifications. Listed below are additional clarifications for this Scope of Work. These are meant to be specific clarifications only and are not all inclusive. Any discrepancies noted by Bidder may result in disqualification of the Bid. This document may be included as an attachment to the Subcontract.	
	Inclusions	Please indicate "included" on each line below to confirm that each scope item is included
	Bid Documents:	
	Invitation to Bid	
	Sample Subcontract and Exhibits	
	Insurance Requirements and Sample COI	
	McGough Safety Standards	
	Project Schedule Dated 07/10/24	
	Bid Form (Submit with Bid)	
	Specifications Dated 06/28/24	
	Construction Drawings Dated 06/28/24	
	Addendum(s) (please list recognized addendums)	
	Geotechnical Report	
	McGough Site Logistics Plan	
	Spec Sections	
	DIVISION 00 PROCUREMENT AND CONTRACTING REQUIREMENTS	
	DIVISION 01 GENERAL REQUIREMENTS	
	05 1200 - Structural Steel Framing	
	05 2100 - Steel Joist Framing	
	05 3100 - Steel Decking	
	All other Specifications as applies	
	General Inclusions	
	Subcontractor acknowledges that the Contract Documents are not fully complete. Subcontractor has included in its scope and "Lump Sum" price all items and necessary appurtenances that are required and/or are reasonably inferable to provide a complete scope of work	
	In conformance with the documents, Subcontractor's bid includes material, equipment, tools, hoisting, scaffolding, platforms, temporary bracing, labor, subsistence/per diem, travel expenses, shipping, project management, coordination, planning, permits required for this scope, bonds, insurance per McGough requirements, all federal, state and local taxes, fees, overhead costs and profits	
	Subcontractor agrees to provide scope of work in accordance with documents, industry standards and applicable building codes. Where any of the above conflict with another, Subcontractor is responsible for obtaining clarification from McGough prior to commencing work. Any rework resulting from a failure to do so or resulting from poor workmanship or quality of materials is the sole responsibility of the Subcontractor	
	Subcontractor has agreed to completing the McGough prequalification process	
	Subcontractor to provide schedule of values and cash flow projections each month w/ pay application	
	Subcontractor agrees to provide updated manpower projections to McGough as requested and has included all costs to do so	
	Include all required licenses, state and local permits	
	Subcontractor to provide additional pricing upon request from McGough within 5 business days for all scope of work changes. Pricing will need to be provided on a company letterhead cover sheet with additional backup provided on a McGough change order form. Backup at a minimum will need to provide material and labor beakouts. McGough reserves the right to request additional backup to solidify the proposed pricing submitted.	
	Change order profit and overhead cost for added work performed by Subcontractor's own forces 10% of the cost of work , For added work performed by subSubcontractor's 5% of the cost due to the subSubcontractor.	
	Subcontractor has accounted for providing an updated cost log to McGough on a monthly basis. Cost log should at a minimum show all executed and pending cost changes and their values	
	Include insurance in accordance with McGough requirements; including pollution insurance if scope of work requires	
	Include all specified submittals, warranties and mockups	
	Subcontractor to provide all closeout materials and warranties per the scope and duration noted in the documents. Warranties are to start at the date of substantial completion of the entire project and is irrespective of any use of work for temporary services during construction	
	Provide submittals in a timely manner to account for lead times and changes in design. Subcontractor shall be solely responsible for impacts due to providing late and/or incomplete submittals as well as submitting large quantities at once ("dumping") that hinders timely review	

SCOPE VERIFICATION CHECKLIST
(REQUIRED TO BE SUBMITTED WITH BID)

NDSU Richard D. Offerdahl '65 Engineering Complex
Construction Documents Dated 6/28/24
Bid due date: 8/1/24

	Use of tobacco is not permitted on NDSU campus. No smoking will be allowed anywhere on the project site.	
	No radios other than communication type radios will be permitted on the job site	
	Standard work hours are 7:00 am to 3:30 pm. Work outside these hours shall be coordinated with McGough. Crews expected to be onsite Monday through Friday	
	Subcontractors Superintendent or Foreman and Project manager shall attend weekly on-site coordination meetings as applicable to your scope. Supt. or Foreman shall also participate in "daily huddle" approx. 15 minutes to discuss that days activities	
	Subcontractor is responsible for adhering to the project schedule as issued by McGough. Subcontractor is solely responsible for any impacts caused to the Owner, Architect/Engineer, Subcontractor or other SubSubcontractors as a result of schedule delays it causes and must provide resources including its own labor on overtime to recover delays. Subcontractor will also be responsible for costs borne by McGough and/or other SubSubcontractors and Suppliers to recover delays it causes	
	Include participation in periodic schedule pull plan sessions and weekly project SubSubcontractor meetings during or as appropriate to your scope. Subcontractor agrees to actively partake in project scheduling activities including providing accurate time estimates to McGough Superintendents and providing comments and feedback to schedules issued by McGough	
	Perform installation in sequences directed by McGough to support the construction schedule	
	Utility locates as required for any earthwork/underground/etc. is responsibility of Subcontractor	
	Subcontractor is responsible for coordinating with the testing agency and McGough superintendent and has accounted for costs associated with providing adequate access and time needed to perform such inspections and testing of its scope of work. Subcontractor shall bear sole responsibility and associated costs for retesting or additional testing as a result of poor workmanship or quality of materials	
	Mock-ups are required per the Documents. Subcontractor to build mock-ups that pertain to its scope of work as indicated in the documents, in a manner that they serve the intended purpose of review and adjustment by the owner, architect/engineer and Subcontractor. Mock-ups are to be constructed in a timely manner by the persons responsible for the final in-place construction and are to be coordinated between Subcontractor and McGough Project Superintendent	
	Subcontractor has included any costs associated with manufacturer field visits as noted in the documents or is standard in the field that Subcontractor performs this scope of work in	
	Subcontractor is responsible for all costs related to delayed construction and review of mock-ups	
	Subcontractor to conform to all safety regulations per applicable OSHA and McGough standards and participate in McGough Safety Program	
	Subcontractor shall provide their site-specific safety plan to McGough prior to starting work including all material SDS pertaining to your scope of work. Hard copies of SDS are required to be onsite and stored in McGough construction office	
	Except in designated break areas and office trailers, all Subcontractor personnel working on site need to wear shirts with minimum 4" sleeves (tank tops not allowed), full length pants, class II high vis vest/jacket, Type II safety helmets, Level III cut-resistant gloves, hard sole work boots, and ANSI's Z87.1-2003 rated safety glasses	
	All Subcontractors' employees working on site will be required to attend our on-site safety orientation prior to starting work. This orientation is approximately 45 mins to 1 hour in length and generally will be scheduled to occur once per week	
	Provide roof and leading edge fall protection (harnesses and retractable, etc. for your employees as required to meet 6-foot fall protection rule (any worker above 6 feet must be tied off 100% of time). This includes and all work occurring on the roof levels, at all times, as there is no temporary or permanent perimeter guardrail system	
	McGough will conduct a weekly safety meeting of approximately 30 mins. In length. Attendance is required for all workers onsite	
	Subcontractor shall provide all safety equipment (i.e. fire ext., PPE, fall protection, safety barricades, devices, covers, etc.) as required for the safe conduct of their work and in accordance w/ the latest OSHA requirements	
	Required that each Subcontractor has a competent person as determined by OSHA onsite when the Subcontractor is mobilized and performing work	
	Traffic control as required to complete scope of work	
	Site will have very limited space for laydown. All deliveries and any on site storage to be made in consultation with McGough project superintendent	
	Provide material handling within the building as applicable for their scope of work	
	Provide all survey, staking and layout associated with this work. Control points for the building will be provided by others	

SCOPE VERIFICATION CHECKLIST
(REQUIRED TO BE SUBMITTED WITH BID)

NDSU Richard D. Offerdahl '65 Engineering Complex
Construction Documents Dated 6/28/24
Bid due date: 8/1/24

	Subcontractor is responsible for maintaining a clean job site as it relates to its scope of work. Additional cleanup maybe required by Subcontractor as determined by McGough. Include equipment for your scope including trash carts for material transfer from floors. Note, McGough will not perform general site cleanup. All trades are responsible for cleanup of their activity and materials to include the dumping of materials into jobsite dumpsters.	
	Subcontractor is responsible for all design, engineering, procurement, construction and removal of any temporary bracing, supports etc. needed to complete Subcontractor's scope of work safely and without impacting existing work in place. If Subcontractor believes, contrary to McGough, that such controls are not needed for a given condition, it is responsible for conducting engineering to substantiate its claim	
	Subcontractor is responsible for removing all hazardous waste off-site in accordance with laws and regulations. Provide documentation of such removals to McGough within 24 hours. Owner has hired a third party abatement Subcontractor to remove all asbestos containing materials.	
	Subcontractor is responsible for removing all non-hazardous waste to the on-site dumpsters. Dumpsters to be provided by McGough.	
	Any and all Subcontractors installing materials or equipment after the permanent roofing is installed must provide proper and adequate protection of the roofing materials during their scope of work. Protection will be 1" insulation and 1/2" plywood	
	Subcontractor is responsible for providing power to their trailer(s), connex boxes and any power connections	
	Include distribution of temp power, extension cords and task lighting for your scope	
	Subcontractor shall provide their own temp. elec. power and lighting as required until the elec. Subcontractor completes the initial temp. service and wiring installation for the project. Once the initial service is completed, temp. power, wiring, lighting and distribution will be provide in accordance w/ current OSHA requirements. Any requirements in excess of these shall be at the expense of the Subcontractor. Any electrical service in excess of single phase, 120V power shall be the responsibility of the Subcontractor. All temp. work shall be removed by the installing Subcontractor	
	Subcontractor is responsible for cutting and patching of all penetrations through walls, partitions, floors, ceilings and roofs necessary for the installation of its work	
	Subcontractor is responsible for maintaining a current set of construction documents for use by its crew. Changes to construction documents will be distributed electronically by McGough to all Subcontractors. Extra hard copies will not be provided by McGough for use by Subcontractors	
	Subcontractor has included all costs associated with maintaining and submitting on request, electronic copies of all as-builts pertaining to its scope of work	
	Subcontractor shall respect the work of others and shall be responsible for costs incurred in repairing work by others damaged by its personnel	
	Subcontractor to submit Quality Control Program to McGough a minimum of 15 days prior to starting its scope of work. McGough to review and provide recommendations on changes if any are required	
	Subcontractor to conduct quality control steps as noted in the Quality Control Program and specifications and documents. Submit all reports and inspection records to McGough within 24 hours of completion	
	Subcontractor agrees to rectify any deficient work within 3 days of being notified by Owner, Architect/Engineer, AHJ, Third Party Testing Agency, Manufacturer or Subcontractor. Documentation of remedial action is the responsibility of the Subcontractor. Subcontractor shall bear sole responsibility for costs where such deficiencies impact the work of others	
	Subcontractor acknowledges that it is responsible for all its tiered SubSubcontractors and that McGough reserves the right to reasonably object to any tiered SubSubcontractors. No tiered SubSubcontractor with a current EMR greater than 1.0 may be awarded work on this project	
	3rd party engineering of scope of work per contract documents and/or standard trade practices required	
	Attend preinstallation meeting prior to start of work	
	Subcontractor is responsible to follow on campus parking regulations to include payment of personnel parking passes if needed	
	Subcontractor shall provide the warranty as indicated in the Contract Documents. If no warranty is specified, SubSubcontractor shall carry a 12-month warranty period for labor, materials, and workmanship. The warranty period shall commence at the date of Substantial Completion of the Project, or once the system is put into use by the Owner.	
	Subcontractor includes all crew accommodations and drinking water for its on-site employees, including all tier-subSubcontractors.	

SCOPE VERIFICATION CHECKLIST
(REQUIRED TO BE SUBMITTED WITH BID)

NDSU Richard D. Offerdahl '65 Engineering Complex
Construction Documents Dated 6/28/24
Bid due date: 8/1/24

	The Prime Contract includes terms and conditions requiring certain information pertaining to Registered Sex Offenders ("RSO"). By signing this Subcontract, Subcontractor acknowledges and certifies its compliance with the terms of Section 3.4.3 of the Prime Contract requiring notification of RSOs, including, to the extent possible, background checks. The Owner reserves the right to not allow RSOs to work on State Institution property.	
	Specific Scope Inclusions	
	Steel Supply	
	Structural columns, beams, joist, bridging, elevator hoist beams, girders, joist acc., misc. steel, etc.; including any additional material per Structural documents	
	Finishes as indicated (shop primed, galvanized, etc.)	
	Do not adhere labels to structural steel that will be primed, painted or fireproofed, or costs associated with removing labels shall be borne by this contractor	
	Structural steel supports for equipment as shown on structural drawings	
	Support steel around openings	
	Slab edge and roof edge	
	All loose lintels as indicated in the BP-2 construction documents	
	Support steel for stairs	
	Provide all anchor bolts and templates for placement by others. Provide 2 templates per setting and 4 nuts per anchor bolt	
	Bar joist and metal decking; including decking for stoops	
	Name of bar joist and decking manufacturer:	
	Closure material for all penetrations in decking	
	FOB jobsite	
	All applicable connectors, hardware, studs, etc.	
	All anchor bolts, steel embed plates and supports	
	Moment and braced frames	
	All applicable connectors, hardware, studs, etc.	
	Include dunnage and crating	
	Include installation aids for erector	
	AISC Certified Fabricator	
	Coordination of all opening sizes and locations required for this work	
	Coordinate sequence and deliveries with steel Installer, assume on-time deliveries and no on-site storage. Has included multiple off-loadings as required	
	Coordination of all opening sizes and locations required for this work	
	Provide BIM model and participate in coordination meetings	
	Deferred engineering and connection detailing as indicated in the construction documents and specs	
	Provide steel assemblies associated with the Strong Wall and Floor to include plates, sleeve nuts, threaded rods, pipes, etc. (exclude concrete rebar reinforcement)	
	Phase deliveries per Area as indicated in the construction schedule	
	Provide an additional 500LF of L 3x3x1/4" per note 19 S0.01	
	Provide materials for install of angles and cable for temporary gaurdrail around all leading deck edges and deck openings. To be used for duration of the project	
	Following notice of intent to award, supplier shall immediately proceed with anchor bolt and embed shop drawings and will proceed with fabrication to facilitate materials onsite 10/7/24	
	All perimeter edge angles and pour stops	
	mechanical chiller and cooler framing	
	structural steel supports for all curtain wall assemblies	
	galvanized pipe for overhead door - 12/s501	
	Exterior pipe bollards	
	Provide allowance for skywalks	
	Note: If the combined value of the low bids for scope packages #13 and #14 are less than the low bid in scope package #15, the steel supply and install packages will be awarded to the low bidders in scope packages #13 and #14.	
	Steel Install	
	Installation of all structural steel	
	Field verify anchor bolt settings and embed prior to erection	
	Installation all steel supports for equipment as shown on structural drawings	
	Installation of slab edge	
	Installation of roof edge	
	Installation stair support steel	
	Perform all welding for structural steel package	
	Installation of all support steel around openings	
	Installation of all decking	
	Installation of all shear studs	
	Perform all welding of decking	
	Cutting and reinforcing of openings in decking	
	Installation of all closures at openings in decking	
	Closure material for all penetrations in decking	
	Provide all temporary power supply for welders and any other equipment to the extent required for Subcontractor's scope of work	

SCOPE VERIFICATION CHECKLIST
(REQUIRED TO BE SUBMITTED WITH BID)

NDSU Richard D. Offerdahl '65 Engineering Complex
Construction Documents Dated 6/28/24
Bid due date: 8/1/24

All applicable connectors, hardware, studs, etc.	
Moment and braced frames	
Install and removal temporary guard rail system at building perimeter and interior slab openings as required, per OSHA standards. Includes materials and maintenance while erection crews on site.	
Provide and install required Shims	
Coordinate sequence and deliveries with steel fabricator, assume on-time deliveries and no on-site storage.	
Coordination of all opening sizes and locations required for this work.	
Provided all surveying and layout associated with this scope of work.	
Provide rigger and signal person for steel erection	
All equipment; including hoisting, hoisting equipment and hoisting tools and acc. to complete this scope of work responsibility of this contractor	
Grind all exposed welds to receive paint or at public spaces smooth	
Primer touch-up on PEMB attachment	
Provide install for an additional 500LF of L 3x3x1/4" per note 19 S0.01 as directed by McGough personnel.	
Include 40 hrs of crane and operator for hoisting at the direction of McGough. T&M tickets shall be provided to McGough to track usage.	
Installation of hoist beams and pit ladders for elevators	
Provide labor and materials for install of temporary cable guardrail around all leading deck edges and deck openings. To be used for duration of the project. Include removal of temp rail.	
Provide equipment and manpower as needed to offload steel related deliveries	
Provide crane pick plans for each crane setup	
Grouting of all steel column baseplates	
Per S2.02B, understand new joists at existing roof reinforcement will need to be installed in 2 pieces. Note 23 and 24/S6.01	
Include Mechanical chiller and cooler framing	
Structural steel supports for all curtain wall assemblies	
Provide allowance for skywalks	
Note: If the combined value of the low bids for scope packages #13 and #14 are less than the low bid in scope package #15, the steel supply and install packages will be awarded to the low bidders in scope packages #13 and #14.	
Miscellaneous Requested Information:	
Quantities	
Temporary Cable Rail	
Indicate total tonnage of Structural Steel assumed	
Indicate total tonnage of Misc Metals assumed	
Indicate total tonnage of steel joists assumed	
Lead Times	
Shop Drawings	
Structural Steel	
Joists	
Exclusions	List any Specific Exclusions
Payment and performance bonds	
Temporary Toilets	
Dumpsters	
Install of Stairs and Railings	
Install of Decorative Metals	
Install of Skywalk Assemblies	
Unidentified Misc Metals	
Estimate Breakout	Value Included in Bid
Hours assumed for misc angle install as indicated by 19/S0.01	
Cost for Strong Wall Steel Assembly (excluding rebar reinforcement)	
Bid Unit Pricing - wages, fringes, taxes, insurance, benefits, etc. Mark-ups for Overhead and Profit (OH&P) will be allowed however, DO NOT include mark-ups for OH&P in the Unit Pricing Below:	
Labor Unit Pricing	Fully Loaded Labor Wage/Hour
Trade	Regular Overtime Double-time
Foreman	
Operator	
Journeyman	
Unit Pricing	Cost/Unit Unit
Welder	
Crane	
Lift	

END OF CHECKLIST

SCOPE VERIFICATION CHECKLIST
(REQUIRED TO BE SUBMITTED WITH BID)

NDSU Richard D. Offerdahl '65 Engineering Complex
Construction Documents Dated 6/28/24
Bid due date: 8/1/24

Bidder Company: _____
Contact Name: _____
Contact Phone Number: _____

**** PLEASE INCLUDE THIS COMPLETED FORM WITH BID FORM WHEN SUBMITTING BID ****

16	General Bid Package Description - Foundation Waterproofing	
	The Bid Amount (as indicated on Bid Form) is to include <u>ALL</u> work applicable to the Scope of Work as shown in the Drawings and Specifications. Listed below are <u>additional clarifications</u> for this Scope of Work. These are meant to be specific clarifications only and are not all inclusive. Any discrepancies noted by Bidder may result in disqualification of the Bid. This document may be included as an attachment to the Subcontract.	
	Inclusions	Please indicate " included " on each line below to confirm that each scope item is included
	Bid Documents:	
	Invitation to Bid	
	Sample Subcontract and Exhibits	
	Insurance Requirements and Sample COI	
	McGough Safety Standards	
	Project Schedule Dated 07/10/24	
	Bid Form (Submit with Bid)	
	Specifications Dated 06/28/24	
	Construction Drawings Dated 06/28/24	
	Addendum(s) (please list recognized addendums)	
	Geotechnical Report	
	McGough Site Logistics Plan	
	Spec Sections	
	DIVISION 00 PROCUREMENT AND CONTRACTING REQUIREMENTS	
	DIVISION 01 GENERAL REQUIREMENTS	
	07 1300 - Sheet Waterproofing	
	All other Specifications as applies	
	General Inclusions	
	Subcontractor acknowledges that the Contract Documents are not fully complete. Subcontractor has included in its scope and "Lump Sum" price all items and necessary appurtenances that are required and/or are reasonably inferable to provide a complete scope of work	
	In conformance with the documents, Subcontractor's bid includes material, equipment, tools, hoisting, scaffolding, platforms, temporary bracing, labor, subsistence/per diem, travel expenses, shipping, project management, coordination, planning, permits required for this scope, bonds, insurance per McGough requirements, all federal, state and local taxes, fees, overhead costs and profits	
	Subcontractor agrees to provide scope of work in accordance with documents, industry standards and applicable building codes. Where any of the above conflict with another, Subcontractor is responsible for obtaining clarification from McGough prior to commencing work. Any rework resulting from a failure to do so or resulting from poor workmanship or quality of materials is the sole responsibility of the Subcontractor	
	Subcontractor has agreed to completing the McGough prequalification process	
	Subcontractor to provide schedule of values and cash flow projections each month w/ pay application	
	Subcontractor agrees to provide updated manpower projections to McGough as requested and has included all costs to do so	
	Include all required licenses, state and local permits	
	Subcontractor to provide additional pricing upon request from McGough within 5 business days for all scope of work changes. Pricing will need to be provided on a company letterhead cover sheet with additional backup provided on a McGough change order form. Backup at a minimum will need to provide material and labor beakouts. McGough reserves the right to request additional backup to solidify the proposed pricing submitted.	
	Change order profit and overhead cost for added work performed by Subcontractor's own forces 10% of the cost of work , For added work performed by subSubcontractor's 5% of the cost due to the subSubcontractor.	
	Subcontractor has accounted for providing an updated cost log to McGough on a monthly basis. Cost log should at a minimum show all executed and pending cost changes and their values	

SCOPE VERIFICATION CHECKLIST
(REQUIRED TO BE SUBMITTED WITH BID)

NDSU Richard D. Offerdahl '65 Engineering Complex
Construction Documents Dated 6/28/24
Bid due date: 8/1/24

	Include insurance in accordance with McGough requirements; including pollution insurance if scope of work requires	
	Include all specified submittals, warranties and mockups	
	Subcontractor to provide all closeout materials and warranties per the scope and duration noted in the documents. Warranties are to start at the date of substantial completion of the entire project and is irrespective of any use of work for temporary services during construction	
	Provide submittals in a timely manner to account for lead times and changes in design. Subcontractor shall be solely responsible for impacts due to providing late and/or incomplete submittals as well as submitting large quantities at once ("dumping") that hinders timely review	
	Use of tobacco is not permitted on NDSU campus. No smoking will be allowed anywhere on the project site.	
	No radios other than communication type radios will be permitted on the job site	
	Standard work hours are 7:00 am to 3:30 pm. Work outside these hours shall be coordinated with McGough. Crews expected to be onsite Monday through Friday	
	Subcontractors Superintendent or Foreman and Project manager shall attend weekly on-site coordination meetings as applicable to your scope. Supt. or Foreman shall also participate in "daily huddle" approx. 15 minutes to discuss that days activities	
	Subcontractor is responsible for adhering to the project schedule as issued by McGough. Subcontractor is solely responsible for any impacts caused to the Owner, Architect/Engineer, Subcontractor or other SubSubcontractors as a result of schedule delays it causes and must provide resources including its own labor on overtime to recover delays. Subcontractor will also be responsible for costs borne by McGough and/or other SubSubcontractors and Suppliers to recover delays it causes	
	Include participation in periodic schedule pull plan sessions and weekly project SubSubcontractor meetings during or as appropriate to your scope. Subcontractor agrees to actively partake in project scheduling activities including providing accurate time estimates to McGough Superintendents and providing comments and feedback to schedules issued by McGough	
	Perform installation in sequences directed by McGough to support the construction schedule	
	Utility locates as required for any earthwork/underground/etc. is responsibility of Subcontractor	
	Subcontractor is responsible for coordinating with the testing agency and McGough superintendent and has accounted for costs associated with providing adequate access and time needed to perform such inspections and testing of its scope of work. Subcontractor shall bear sole responsibility and associated costs for retesting or additional testing as a result of poor workmanship or quality of materials	
	Mock-ups are required per the Documents. Subcontractor to build mock-ups that pertain to its scope of work as indicated in the documents, in a manner that they serve the intended purpose of review and adjustment by the owner, architect/engineer and Subcontractor. Mock-ups are to be constructed in a timely manner by the persons responsible for the final in-place construction and are to be coordinated between Subcontractor and McGough Project Superintendent	
	Subcontractor has included any costs associated with manufacturer field visits as noted in the documents or is standard in the field that Subcontractor performs this scope of work in	
	Subcontractor is responsible for all costs related to delayed construction and review of mock-ups	
	Subcontractor to conform to all safety regulations per applicable OSHA and McGough standards and participate in McGough Safety Program	
	Subcontractor shall provide their site-specific safety plan to McGough prior to starting work including all material SDS pertaining to your scope of work. Hard copies of SDS are required to be onsite and stored in McGough construction office	
	Except in designated break areas and office trailers, all Subcontractor personnel working on site need to wear shirts with minimum 4" sleeves (tank tops not allowed), full length pants, class II high vis vest/jacket, Type II safety helmets, Level III cut-resistant gloves, hard sole work boots, and ANSI's Z87.1-2003 rated safety glasses	

SCOPE VERIFICATION CHECKLIST
(REQUIRED TO BE SUBMITTED WITH BID)

NDSU Richard D. Offerdahl '65 Engineering Complex
Construction Documents Dated 6/28/24
Bid due date: 8/1/24

	All Subcontractors' employees working on site will be required to attend our on-site safety orientation prior to starting work. This orientation is approximately 45 mins to 1 hour in length and generally will be scheduled to occur once per week	
	Provide roof and leading edge fall protection (harnesses and retractable, etc. for your employees as required to meet 6-foot fall protection rule (any worker above 6 feet must be tied off 100% of time). This includes and all work occurring on the roof levels, at all times, as there is no temporary or permanent perimeter guardrail system	
	McGough will conduct a weekly safety meeting of approximately 30 mins. In length. Attendance is required for all workers onsite	
	Subcontractor shall provide all safety equipment (i.e. fire ext., PPE, fall protection, safety barricades, devices, covers, etc.) as required for the safe conduct of their work and in accordance w/ the latest OSHA requirements	
	Required that each Subcontractor has a competent person as determined by OSHA onsite when the Subcontractor is mobilized and performing work	
	Traffic control as required to complete scope of work	
	Site will have very limited space for laydown. All deliveries and any on site storage to be made in consultation with McGough project superintendent	
	Provide material handling within the building as applicable for their scope of work	
	Provide all survey, staking and layout associated with this work. Control points for the building will be provided by others	
	Subcontractor is responsible for maintaining a clean job site as it relates to its scope of work. Additional cleanup maybe required by Subcontractor as determined by McGough. Include equipment for your scope including trash carts for material transfer from floors. Note, McGough will not perform general site cleanup. All trades are responsible for cleanup of their activity and materials to include the dumping of materials into jobsite dumpsters.	
	Subcontractor is responsible for all design, engineering, procurement, construction and removal of any temporary bracing, supports etc. needed to complete Subcontractor's scope of work safely and without impacting existing work in place. If Subcontractor believes, contrary to McGough, that such controls are not needed for a given condition, it is responsible for conducting engineering to substantiate its claim	
	Subcontractor is responsible for removing all hazardous waste off-site in accordance with laws and regulations. Provide documentation of such removals to McGough within 24 hours. Owner has hired a third party abatement Subcontractor to remove all asbestos containing materials.	
	Subcontractor is responsible for removing all non-hazardous waste to the on-site dumpsters. Dumpsters to be provided by McGough.	
	Any and all Subcontractors installing materials or equipment after the permanent roofing is installed must provide proper and adequate protection of the roofing materials during their scope of work. Protection will be 1" insulation and 1/2" plywood	
	Subcontractor is responsible for providing power to their trailer(s), connex boxes and any power connections	
	Include distribution of temp power, extension cords and task lighting for your scope	
	Subcontractor shall provide their own temp. elec. power and lighting as required until the elec. Subcontractor completes the initial temp. service and wiring installation for the project. Once the initial service is completed, temp. power, wiring, lighting and distribution will be provide in accordance w/ current OSHA requirements. Any requirements in excess of these shall be at the expense of the Subcontractor. Any electrical service in excess of single phase, 120V power shall be the responsibility of the Subcontractor. All temp. work shall be removed by the installing Subcontractor	
	Subcontractor is responsible for cutting and patching of all penetrations through walls, partitions, floors, ceilings and roofs necessary for the installation of its work	
	Subcontractor is responsible for maintaining a current set of construction documents for use by its crew. Changes to construction documents will be distributed electronically by McGough to all Subcontractors. Extra hard copies will not be provided by McGough for use by Subcontractors	

SCOPE VERIFICATION CHECKLIST
(REQUIRED TO BE SUBMITTED WITH BID)

NDSU Richard D. Offerdahl '65 Engineering Complex
Construction Documents Dated 6/28/24
Bid due date: 8/1/24

	Subcontractor has included all costs associated with maintaining and submitting on request, electronic copies of all as-builts pertaining to its scope of work	
	Subcontractor shall respect the work of others and shall be responsible for costs incurred in repairing work by others damaged by its personnel	
	Subcontractor to submit Quality Control Program to McGough a minimum of 15 days prior to starting its scope of work. McGough to review and provide recommendations on changes if any are required	
	Subcontractor to conduct quality control steps as noted in the Quality Control Program and specifications and documents. Submit all reports and inspection records to McGough within 24 hours of completion	
	Subcontractor agrees to rectify any deficient work within 3 days of being notified by Owner, Architect/Engineer, AHJ, Third Party Testing Agency, Manufacturer or Subcontractor. Documentation of remedial action is the responsibility of the Subcontractor. Subcontractor shall bear sole responsibility for costs where such deficiencies impact the work of others	
	Subcontractor acknowledges that it is responsible for all its tiered SubSubcontractors and that McGough reserves the right to reasonably object to any tiered SubSubcontractors. No tiered SubSubcontractor with a current EMR greater than 1.0 may be awarded work on this project	
	3rd party engineering of scope of work per contract documents and/or standard trade practices required	
	Attend preinstallation meeting prior to start of work	
	Subcontractor is responsible to follow on campus parking regulations to include payment of personnel parking passes if needed	
	Subcontractor shall provide the warranty as indicated in the Contract Documents. If no warranty is specified, SubSubcontractor shall carry a 12-month warranty period for labor, materials, and workmanship. The warranty period shall commence at the date of Substantial Completion of the Project, or once the system is put into use by the Owner.	
	Subcontractor includes all crew accommodations and drinking water for its on-site employees, including all tier-subSubcontractors.	
	The Prime Contract includes terms and conditions requiring certain information pertaining to Registered Sex Offenders ("RSO"). By signing this Subcontract, Subcontractor acknowledges and certifies its compliance with the terms of Section 3.4.3 of the Prime Contract requiring notification of RSOs, including, to the extent possible, background checks. The Owner reserves the right to not allow RSOs to work on State Institution property.	
	Specific Scope Inclusions	
	General	
	Subcontractor shall provide all foundation waterproofing, drainage board, and insulation as indicated in the construction documents at all new foundations	
	Foundation waterproofing of existing buildings as indicated on 1/A3.10C along gridline K.8 and as indicated on 1/A3.10F just north of gridline 15.9 is not included in this scope of work.	
	Subcontractor understands that multiple mobilizations will be required to complete this work and has included this in their proposal.	
	Subcontractor acknowledges the schedule and understands portions of this scope of work may be put in place under winter conditions and will work with McGough and the design to find products / means and methods as needed to maintain the construction schedule.	
	Prep all surfaces to receive damproofing and waterproofing materials per documents and manufacture requirements	
	Subcontractor shall carry a minimum of 40 hours to prep foundations to receive waterproofing. This includes pressure washing, grinding concrete protrusions, and filling of cavities in the existing foundation walls.	
	Supply and install water proofing assembly (waterproofing, drainage board, rigid insulation, flashings, fasteners, tape, sealants, adhesives, primers, accessories, transitions, terminations, etc.) required to provide complete scope of work.	
	Testing of substrate to ensure products meet manufacture. requirements before installation	
	Coordinate and seal around penetrations	
	Seal to adjoining surfaces	
	Protect adjacent materials from waterproofing and damproofing being applied to them and cleanup of these materials if they are applied to them	

SCOPE VERIFICATION CHECKLIST
(REQUIRED TO BE SUBMITTED WITH BID)

NDSU Richard D. Offerdahl '65 Engineering Complex
Construction Documents Dated 6/28/24
Bid due date: 8/1/24

	Coordinate backfilling sequence with contractor	
	All equipment; including hoisting, hoisting equipment and hoisting tools and acc. to complete this scope of work responsibility of this contractor	
	Provide shop drawings detailing where various specific waterproofing and damproofing locations are	
	Provide samples of waterproofing as required per documents	
	Mock-ups of waterproofing per documents	
	Provide manufacturer and installer special warranties for waterproofing per documents	
	Manufacturer representative inspections and inspection reports per documents	
	Tentative schedule for installation starting per schedule exhibit G and include ALL winter conditions to install per manufacture. requirements	
	All equipment; including hoisting, hoisting equipment and hoisting tools and acc. to complete this scope of work responsibility of this contractor	
	Include Elevator Pit waterproofing as indicated in the construction documents.	
	Miscellaneous Requested Information:	
	Quantities	
	LF of foundations receiving waterproofing	
	Lead Times	
	Rigid Insulation	
	Drainage Mat	
	Waterproofing	
	Exclusions	List any Specific Exclusions
	Payment and performance bonds	
	Temporary Toilets	
	Temporary Power Charges and Water Charges from utility company	
	Dumpsters	
	Geotechnical and special inspection testing	
	Estimate Breakout	Value Included in Bid
	Bid Unit Pricing - wages, fringes, taxes, insurance, benefits, etc. Mark-ups for Overhead and Profit (OH&P) will be allowed however, DO NOT include mark-ups for OH&P in the Unit Pricing Below:	
	Labor Unit Pricing	Fully Loaded Labor Wage/Hour
	Trade	Regular Overtime Double-time
	Foreman	
	Laborer	
	Unit Pricing	Cost/Unit Unit
	Provide price per SF for additional waterproofing	

END OF CHECKLIST

SCOPE VERIFICATION CHECKLIST
(REQUIRED TO BE SUBMITTED WITH BID)

NDSU Richard D. Offerdahl '65 Engineering Complex
Construction Documents Dated 6/28/24
Bid due date: 8/1/24

Bidder Company: _____
Contact Name: _____
Contact Phone Number: _____

**** PLEASE INCLUDE THIS COMPLETED FORM WITH BID FORM WHEN SUBMITTING BID ****

17	General Bid Package Description - Elevators	
	The Bid Amount (as indicated on Bid Form) is to include <u>ALL</u> work applicable to the Scope of Work as shown in the Drawings and Specifications. Listed below are <u>additional clarifications</u> for this Scope of Work. These are meant to be specific clarifications only and are not all inclusive. Any discrepancies noted by Bidder may result in disqualification of the Bid. This document may be included as an attachment to the Subcontract.	
	Inclusions	Please indicate " included " on each line below to confirm that each scope item is included
	Bid Documents:	
	Invitation to Bid	
	Sample Subcontract and Exhibits	
	Insurance Requirements and Sample COI	
	McGough Safety Standards	
	Project Schedule Dated 07/10/24	
	Bid Form (Submit with Bid)	
	Specifications Dated 06/28/24	
	Construction Drawings Dated 06/28/24	
	Addendum(s) (please list recognized addendums)	
	Spec Sections	
	DIVISION 00 PROCUREMENT AND CONTRACTING REQUIREMENTS	
	DIVISION 01 GENERAL REQUIREMENTS	
	14 2100 - Electric Traction Elevators	
	All other Specifications as applies	
	General Inclusions	
	Subcontractor acknowledges that the Contract Documents are not fully complete. Subcontractor has included in its scope and "Lump Sum" price all items and necessary appurtenances that are required and/or are reasonably inferable to provide a complete scope of work	
	In conformance with the documents, Subcontractor's bid includes material, equipment, tools, hoisting, scaffolding, platforms, temporary bracing, labor, subsistence/per diem, travel expenses, shipping, project management, coordination, planning, permits required for this scope, bonds, insurance per McGough requirements, all federal, state and local taxes, fees, overhead costs and profits	
	Subcontractor agrees to provide scope of work in accordance with documents, industry standards and applicable building codes. Where any of the above conflict with another, Subcontractor is responsible for obtaining clarification from McGough prior to commencing work. Any rework resulting from a failure to do so or resulting from poor workmanship or quality of materials is the sole responsibility of the Subcontractor	
	Subcontractor has agreed to completing the McGough prequalification process	
	Subcontractor to provide schedule of values and cash flow projections each month w/ pay application	
	Subcontractor agrees to provide updated manpower projections to McGough as requested and has included all costs to do so	
	Include all required licenses, state and local permits	
	Subcontractor to provide additional pricing upon request from McGough within 5 business days for all scope of work changes. Pricing will need to be provided on a company letterhead cover sheet with additional backup provided on a McGough change order form. Backup at a minimum will need to provide material and labor beakouts. McGough reserves the right to request additional backup to solidify the proposed pricing submitted.	
	Change order profit and overhead cost for added work performed by Subcontractor's own forces 10% of the cost of work , For added work performed by subSubcontractor's 5% of the cost due to the subSubcontractor.	
	Subcontractor has accounted for providing an updated cost log to McGough on a monthly basis. Cost log should at a minimum show all executed and pending cost changes and their values	

SCOPE VERIFICATION CHECKLIST
(REQUIRED TO BE SUBMITTED WITH BID)

NDSU Richard D. Offerdahl '65 Engineering Complex
Construction Documents Dated 6/28/24
Bid due date: 8/1/24

	Include insurance in accordance with McGough requirements; including pollution insurance if scope of work requires	
	Include all specified submittals, warranties and mockups	
	Subcontractor to provide all closeout materials and warranties per the scope and duration noted in the documents. Warranties are to start at the date of substantial completion of the entire project and is irrespective of any use of work for temporary services during construction	
	Provide submittals in a timely manner to account for lead times and changes in design. Subcontractor shall be solely responsible for impacts due to providing late and/or incomplete submittals as well as submitting large quantities at once ("dumping") that hinders timely review	
	Use of tobacco is not permitted on NDSU campus. No smoking will be allowed anywhere on the project site.	
	No radios other than communication type radios will be permitted on the job site	
	Standard work hours are 7:00 am to 3:30 pm. Work outside these hours shall be coordinated with McGough. Crews expected to be onsite Monday through Friday	
	Subcontractors Superintendent or Foreman and Project manager shall attend weekly on-site coordination meetings as applicable to your scope. Supt. or Foreman shall also participate in "daily huddle" approx. 15 minutes to discuss that days activities	
	Subcontractor is responsible for adhering to the project schedule as issued by McGough. Subcontractor is solely responsible for any impacts caused to the Owner, Architect/Engineer, Subcontractor or other SubSubcontractors as a result of schedule delays it causes and must provide resources including its own labor on overtime to recover delays. Subcontractor will also be responsible for costs borne by McGough and/or other SubSubcontractors and Suppliers to recover delays it causes	
	Include participation in periodic schedule pull plan sessions and weekly project SubSubcontractor meetings during or as appropriate to your scope. Subcontractor agrees to actively partake in project scheduling activities including providing accurate time estimates to McGough Superintendents and providing comments and feedback to schedules issued by McGough	
	Perform installation in sequences directed by McGough to support the construction schedule	
	Utility locates as required for any earthwork/underground/etc. is responsibility of Subcontractor	
	Subcontractor is responsible for coordinating with the testing agency and McGough superintendent and has accounted for costs associated with providing adequate access and time needed to perform such inspections and testing of its scope of work. Subcontractor shall bear sole responsibility and associated costs for retesting or additional testing as a result of poor workmanship or quality of materials	
	Mock-ups are required per the Documents. Subcontractor to build mock-ups that pertain to its scope of work as indicated in the documents, in a manner that they serve the intended purpose of review and adjustment by the owner, architect/engineer and Subcontractor. Mock-ups are to be constructed in a timely manner by the persons responsible for the final in-place construction and are to be coordinated between Subcontractor and McGough Project Superintendent	
	Subcontractor has included any costs associated with manufacturer field visits as noted in the documents or is standard in the field that Subcontractor performs this scope of work in	
	Subcontractor is responsible for all costs related to delayed construction and review of mock-ups	
	Subcontractor to conform to all safety regulations per applicable OSHA and McGough standards and participate in McGough Safety Program	
	Subcontractor shall provide their site-specific safety plan to McGough prior to starting work including all material SDS pertaining to your scope of work. Hard copies of SDS are required to be onsite and stored in McGough construction office	

SCOPE VERIFICATION CHECKLIST
(REQUIRED TO BE SUBMITTED WITH BID)

NDSU Richard D. Offerdahl '65 Engineering Complex
Construction Documents Dated 6/28/24
Bid due date: 8/1/24

	Except in designated break areas and office trailers, all Subcontractor personnel working on site need to wear shirts with minimum 4" sleeves (tank tops not allowed), full length pants, class II high vis vest/jacket, Type II safety helmets, Level III cut-resistant gloves, hard sole work boots, and ANSI's Z87.1-2003 rated	
	All Subcontractors' employees working on site will be required to attend our on-site safety orientation prior to starting work. This orientation is approximately 45 mins to 1 hour in length and generally will be scheduled to occur once per week	
	Provide roof and leading edge fall protection (harnesses and retractable, etc. for your employees as required to meet 6-foot fall protection rule (any worker above 6 feet must be tied off 100% of time). This includes and all work occurring on the roof levels, at all times, as there is no temporary or permanent perimeter guardrail system	
	McGough will conduct a weekly safety meeting of approximately 30 mins. In length. Attendance is required for all workers onsite	
	Subcontractor shall provide all safety equipment (i.e. fire ext., PPE, fall protection, safety barricades, devices, covers, etc.) as required for the safe conduct of their work and in accordance w/ the latest OSHA requirements	
	Required that each Subcontractor has a competent person as determined by OSHA onsite when the Subcontractor is mobilized and performing work	
	Traffic control as required to complete scope of work	
	Site will have very limited space for laydown. All deliveries and any on site storage to be made in consultation with McGough project superintendent	
	Provide material handling within the building as applicable for their scope of work	
	Provide all survey, staking and layout associated with this work. Control points for the building will be provided by others	
	Subcontractor is responsible for maintaining a clean job site as it relates to its scope of work. Additional cleanup maybe required by Subcontractor as determined by McGough. Include equipment for your scope including trash carts for material transfer from floors. Note, McGough will not perform general site cleanup. All trades are responsible for cleanup of their activity and materials to include the dumping of materials into jobsite dumpsters.	
	Subcontractor is responsible for all design, engineering, procurement, construction and removal of any temporary bracing, supports etc. needed to complete Subcontractor's scope of work safely and without impacting existing work in place. If Subcontractor believes, contrary to McGough, that such controls are not needed for a given condition, it is responsible for conducting engineering to substantiate its claim	
	Subcontractor is responsible for removing all hazardous waste off-site in accordance with laws and regulations. Provide documentation of such removals to McGough within 24 hours. Owner has hired a third party abatement Subcontractor to remove all asbestos containing materials.	
	Subcontractor is responsible for removing all non-hazardous waste to the on-site dumpsters. Dumpsters to be provided by McGough.	
	Any and all Subcontractors installing materials or equipment after the permanent roofing is installed must provide proper and adequate protection of the roofing materials during their scope of work. Protection will be 1" insulation and 1/2" plywood	
	Subcontractor is responsible for providing power to their trailer(s), connex boxes and any power connections	
	Include distribution of temp power, extension cords and task lighting for your scope	
	Subcontractor shall provide their own temp. elec. power and lighting as required until the elec. Subcontractor completes the initial temp. service and wiring installation for the project. Once the initial service is completed, temp. power, wiring, lighting and distribution will be provide in accordance w/ current OSHA requirements. Any requirements in excess of these shall be at the expense of the Subcontractor. Any electrical service in excess of single phase, 120V power shall be the responsibility of the Subcontractor. All temp. work shall be removed by the installing Subcontractor	

SCOPE VERIFICATION CHECKLIST
(REQUIRED TO BE SUBMITTED WITH BID)

NDSU Richard D. Offerdahl '65 Engineering Complex
Construction Documents Dated 6/28/24
Bid due date: 8/1/24

	Subcontractor is responsible for cutting and patching of all penetrations through walls, partitions, floors, ceilings and roofs necessary for the installation of its work	
	Subcontractor is responsible for maintaining a current set of construction documents for use by its crew. Changes to construction documents will be distributed electronically by McGough to all Subcontractors. Extra hard copies will not be provided by McGough for use by Subcontractors	
	Subcontractor has included all costs associated with maintaining and submitting on request, electronic copies of all as-builts pertaining to its scope of work	
	Subcontractor shall respect the work of others and shall be responsible for costs incurred in repairing work by others damaged by its personnel	
	Subcontractor to submit Quality Control Program to McGough a minimum of 15 days prior to starting its scope of work. McGough to review and provide recommendations on changes if any are required	
	Subcontractor to conduct quality control steps as noted in the Quality Control Program and specifications and documents. Submit all reports and inspection records to McGough within 24 hours of completion	
	Subcontractor agrees to rectify any deficient work within 3 days of being notified by Owner, Architect/Engineer, AHJ, Third Party Testing Agency, Manufacturer or Subcontractor. Documentation of remedial action is the responsibility of the Subcontractor. Subcontractor shall bear sole responsibility for costs where such deficiencies impact the work of others	
	Subcontractor acknowledges that it is responsible for all its tiered SubSubcontractors and that McGough reserves the right to reasonably object to any tiered SubSubcontractors. No tiered SubSubcontractor with a current EMR greater than 1.0 may be awarded work on this project	
	3rd party engineering of scope of work per contract documents and/or standard trade practices required	
	Attend preinstallation meeting prior to start of work	
	The Prime Contract includes terms and conditions requiring certain information pertaining to Registered Sex Offenders ("RSO"). By signing this Subcontract, Subcontractor acknowledges and certifies its compliance with the terms of Section 3.4.3 of the Prime Contract requiring notification of RSOs, including, to the extent possible, background checks. The Owner reserves the right to not allow RSOs to work on State Institution property.	
	Specific Scope Inclusions	
	General	
	Elevators, equipment, and accessories to provide complete scope of work	
	Fire extinguishers if required per elevator manufacture requirements	
	All misc. metals (support rails, angles, clips etc.) associated with this scope ofwork	
	Wall finishes of elevator per documents	
	Coordination of pit and shaft requirements upon award	
	Hoist way sills, headers, frames, fascia's and toe guards	
	License holders, wall hooks and protective mats	
	Handicap accessible requirements	
	Inspection coordination	
	Inspection and acceptance certificates and operating permits	
	Coordination and setup of elevator w/ fire alarm	
	Key box and keys	
	Offsite material laydown/storage	
	Coordination of call buttons with interior signage	
	Allowance in elevator cabling for security and access control	
	Elevator pit ladders	
	FOB jobsite	
	Acoustical and firestopping of penetrations	
	Traveling cable capacity and length to include cabling per documents, but also for future items (for example, paging, security, access control, etc.)	
	Warranties and maintenance agreements per contract documents	

SCOPE VERIFICATION CHECKLIST
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NDSU Richard D. Offerdahl '65 Engineering Complex
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	Cleaning of elevator pit prior to turning over to McGough	
	Use of elevator by McGough for const. use once elevator is completed and inspected. Warranty for elevator to start at substantial completion of project.	
	Special warranty, maintenance, maintenance tools/equip./documentation per specifications	
	Provide McGough elev. door opening dimensions within 15days of project award for coordination with precast supplier	
	All equipment; including hoisting, hoisting equipment and hoisting tools and acc. to complete this scope of work responsibility of this contractor	
	Provide layout plans and embeds to precast supplier that would be required to be installed for attachment of rails and beams.	
	Provide and install protection blankets	
	Include 6 months of construction use of one elevator.	
	Contractor has reviewed hoist way size, openings and structure shown and have provided any exceptions to McGough with bid.	
	Miscellaneous Requested Information:	
	Quantities	
	Estimated Duration weeks to complete elevator install	
	Lead Times	
	Material lead time from project award	
	Exclusions	List any Specific Exclusions
	Payment and performance bonds	
	Temporary Toilets	
	Temporary Power Charges and Water Charges from utility company	
	Dumpsters	
	Geotechnical and special inspection testing	
	Estimate Breakout	Value Included in Bid
	Value of 6 months construction use included	
	Bid Unit Pricing - wages, fringes, taxes, insurance, benefits, etc. Mark-ups for Overhead and Profit (OH&P) will be allowed however, DO NOT include mark-ups for OH&P in the Unit Pricing Below:	
	Labor Unit Pricing	Fully Loaded Labor Wage/Hour
	Trade	Regular Overtime Double-time
	Foreman hourly rate	
	Mechanic hourly rate	
	Unit Pricing	Cost/Unit Unit
	Item	

END OF CHECKLIST