

**Murray Contractors BID MANUAL****Section #: 04 MASONRY****Bid Package # 04 MASONRY**

Your signature on this page is confirmation of your bid and an acknowledgement and acceptance of the requirements of the Murray Bid Manual, project schedule and all Addendums and CM Clarifications.

Company AR State Contractor's License #

Name Title

Address

City State Zip Code

Phone Number w/ Area Code Email Address

Specification:

Bidders will include work from referenced specifications and other work normally associated with this trade whether referenced or not.

1. 04 0100 MAINTENANCE OF UNIT MASONRY
2. 04 0501 MASONRY MORTAR AND GROUT
3. 04 2000 UNIT MASONRY
4. 32 3219 GARDEN WALL

Scope of Work:

The bid package shall also include the following items but shall not limit more stringent requirements found elsewhere in the contract documents unless specifically listed as exclusion below.

1. Provide all labor, supervision, equipment, hoisting, materials, licenses, and trade permits required to perform all work, turnkey, outlined in this subcontract. Work not specifically shown but considered a standard requirement in the completion of this work is included.
2. All applicable sales tax (unless noted otherwise)
3. Submittals and shop drawings submitted to Murray Contractors.
4. Closeout documents submitted per Murray Contractors closeout procedures with (14) days prior to the original substantial completion date of the project.
5. Specified warranties shall be from the date of substantial completion.
6. Freight to the jobsite as it pertains to this scope of work, including any quick-shipment premiums.
7. Maintain accurate as-built drawings.
8. Verification of elevations and field measurements shown on documents prior to commencing work.
9. Installation of materials over substrate indicates acceptance of substrate.

10. Required layout for this scope, benchmark provided by others.
11. Required coordination with other trades.
12. Multiple mobilizations as required to perform this scope of work.
13. Should this subcontractor delay the critical path schedule, subcontractor shall provide all necessary overtime and manpower required to return this scope of work to be on schedule no cost to Murray Contractors.
14. Qualified, properly trained, and experienced supervision at all times.
15. Unloading of materials and deliveries to be placed on proper dunnage to prevent product damage.
16. Provide weather protection for stored materials.
17. Cleanup of any track out by this trade.
18. Subcontractor is responsible for damage done by its own forces to other trade's work.
19. Provide daily clean-up of all debris generated by subcontractor to Murray Contractors provided dumpster.
20. Compliance with all rules, regulations, and requirements of local, state, and federal authorities.
21. All work shall strictly comply with adopted building codes. Any discrepancies should be clarified and approved by authority having jurisdiction.
22. Full compliance with Murray Contractors safety policies and all governing OSHA guidelines.
23. All cost associated with perimeter safety, fall protection, and personal protective equipment.
24. All equipment operators to be properly trained and OSHA certified.

Trade Specific Scope of Work

1. Furnish and install all temporary bracing, shoring, and framing required to safely install the masonry work covered under this scope. Coordinate with other trades so temporary work does not impede their progress, and remove temporary bracing and shoring when permanent support is in place.
2. Furnish and install mock-up panels for Architect and Landscape Architect approval prior to production work, including Garden Room veneer masonry base (minimum one structural bay), Greenhouse veneer masonry knee wall (minimum one structural bay), and Garden Wall mock-up (8 ft × 8 ft section showing brick archway and limestone cap). Approved mock-ups shall establish the standard for workmanship, appearance, joint tooling, and cleaning.
3. Build and maintain a dedicated mason's work area, including mixing stations, material storage, and protection of adjacent surfaces, finishes, and landscaping for the duration of the work.
4. Provide all field layout, lines, levels, and coursing for this scope of work. Verify existing conditions and coordinate with structural, architectural, and landscape drawings prior to proceeding.
5. Furnish and install all brick veneer, including Antique Iowa Brick (or approved equal) facing brick in the patterns, bonds, sizes, and locations indicated. Provide full bed and head joints, proper coursing, and concave tooling unless otherwise specified.
6. Furnish and install all mortar and grout in accordance with Section 04 0511. Provide Type S (below grade or in contact with earth), Type N (exterior veneer and non-loadbearing), Type M (garden wall and exterior structural), Include integral waterproofing additive where specified. Mix, place, and tool joints to specified profiles.
7. Furnish and install all reinforcement, anchors, rebar, joint reinforcement (ladder/truss type, galvanized), mesh, insulation, and masonry ties associated with this scope. Space and place in accordance with the Contract Documents.
8. Furnish and install all flashings required for this scope of work, including through-wall copper flashings (or as specified), end dams, termination bars, and related accessories at bases of walls, above openings, shelf angles, and other interruptions per the Contract Documents.
9. Drill and epoxy all dowels into existing or new masonry walls as required by the Contract Documents.
10. Furnish and install all control joints and expansion joints as specified, including bond breakers, preformed devices, and coordination for backer rod and sealant. Space joints as indicated or per specification (maximum 20 ft or as detailed).
11. Provide pumping of grout as required for cells, cavities, bond beams, and other locations where access or volume necessitates pumping.

12. Furnish and install all CMU block, including standard units, special shapes, bond beams, and solid-grouted cells as indicated.
13. Furnish and install all steel reinforcing bars associated with this scope including placement, splicing, and securing prior to grouting.
14. Furnish and install all complete stone systems, including felt, lath, mortar, and related components as required by the Contract Documents.
15. Furnish and install drainage net, mortar diverters, and weep hole material at flashing locations, bases of walls, and other required points to maintain cavity drainage.
16. Furnish and install grouting for cells, door frames, wall cavities, bond beams, and reinforced locations as specified. Fill adjacent cores and frame voids solid where indicated.
17. Furnish, install, and remove all temporary shoring, bracing, and framing required to install the masonry covered under this scope. Coordinate sequencing with other trades to avoid impeding their work.
18. Install all items embedded in masonry (lintels, embeds, plates, sleeves, anchors, and similar items) as the work progresses. Bed and grout solid as required.
19. Install loose lintels (furnished by others) in accordance with the Contract Documents, including solid bedding and grouting.
20. Furnish and install all rigid insulation board associated with this scope of work in veneer and cavity wall assemblies per the Contract Documents.
21. Furnish and install all loose-fill insulation and mineral wool for this scope of work per the Contract Documents.
22. Clean all masonry surfaces as specified, using approved non-acidic cleaners after mock-up approval. Protect finished work until acceptance. Follow historic cleaning methods (low-pressure water only, ≤50 psi) where required.
23. Set hollow metal frames in masonry walls, including bedding anchors, filling frame voids solid with grout, and filling adjacent masonry cores a minimum of 12 inches from framed openings.
24. Furnish and install all bond beams as specified, including reinforcement and solid grouting.
25. Perform soaping of masonry surfaces as required for proper joint sealant performance and adhesion.
26. Perform exterior chimney tuckpointing of existing brick masonry, including raking out deteriorated joints to proper depth, cleaning, and repointing with appropriate mortar (NHL 3.5 or as specified) to match original joint profiles and appearance. Protect surrounding surfaces.
27. Construct the Greenhouse knee wall, including CMU backup, brick veneer, reinforcement, anchors, flashings, insulation, and all related accessories. Coordinate with the greenhouse system and structural requirements.
28. Furnish and install the Water Garden masonry construction, including walls, structural elements, and limestone top caps (Prairie Shell or as specified). Provide proper coordination with fountain work, drainage, and solid grouting where required.
29. Furnish and install Fence Columns, including CMU and/or brick construction, reinforcement, and limestone (or specified) top caps.
30. Furnish and install the Perimeter Fencing Wall, including CMU backup, brick veneer, reinforcement, anchors, control/expansion joints, and limestone top caps.

Base Bid Amount

	\$
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Bid Breakouts

	\$	
	\$	
	\$	

Alternates

Alternate #	Description	Amount
		\$
		\$
		\$

Addenda

Addenda #	Date

VOLUNTARY VALUE ANALYSIS

Value Analysis propositions will be strongly considered in the subcontractor selection process. Bidders are encouraged to explore and identify Value Analysis savings for this scope of work. Please describe below (and on separate page if necessary) any cost saving opportunities as well as potential savings:

Unit Prices:

The contract between Murray Contractors and the successful low bidder will be a fixed lump sum Subcontract Agreement. For revisions to the scope of the project and/or revisions to the contract documents, the lump sum contract amount would be adjusted by change order at the following unit prices. All unit prices shall include labor, materials and equipment. Where applicable to Scope of Work, provide the following unit prices. (Insert N/A if it does not apply)

Unit Price	Amount	Unit
	\$	
	\$	
	\$	