NEW CONSTRUCTION

EXCLUDED:
1. Rough grading
2. Class V gravel and/or sand cushion
3. Dumpsters

INCLUDED: Provide all labor, materials, equipment and site supervision to complete the concrete footings, slabs, aprons, sidewalks, AND SHELL and as shown and specified, including but not limited to the technical specification sections of the architectural blueprints.

ALSO INCLUDED:
1. Furnish and install vapor barrier under entire house slab. Contractor will be responsible to follow engineering specifications provided in the architectural blueprints.
2. Forming and construction of Footing, foundation walls and slab as per home blueprint.
3. (1) 15 square foot entrance pad, (1) 4x14 pad under porch overhang and (1) 3x14 sidewalk or other as designated by architectural blueprints.
4. Related requirements via the blueprints may also apply.
5. All concrete reinforcement as required
6. Curing methods for all concrete
7. Minor final grade work required prior to slab/footing pours
8. Protection of existing conditions
9. Placement of all required sleeves and/or block outs in CIP concrete
10. Cost for additional concrete testing required if initial tests fail
11. All layout verification
12. Protection of other trade work
13. This project is managed by HFHBC. All contractors on this project are considered prime contractors. Coordination between trades and volunteers is to be considered part of this work scope.

PRICING FORM:
Our Lump sum Base Bid for the work in Bid Division HFH - 2A is:

Per Three Bedroom Home _____________________________ Dollars ($___________)

Per Four Bedroom Home ______________________________ Dollars ($___________)

Name of Bidding Contractor: ____________________________________

Signed By: ________________________________________________

Date: _________________________

Any questions concerning the requirements or work of this proposal may be directed by mail to the address listed above or by e-mail to: perry@habitatbroward.org.
CAST-IN-PLACE CONCRETE
1 SECTION REQUIREMENTS
A. This Section includes cast-in-place concrete, including reinforcement, concrete materials, mix designs, placement procedures and finishes. This work includes construction of footings and foundations as detailed, slab on grade to receive housing construction, vapor retarders, exterior concrete pavement, and cast in place anchors as required by code.

B. Drainage course for slabs-on-grade and sub-base earthwork for walks and pavements shall be provided by others. Coordinate work of this Section with Earthwork, Plumbing, and in-floor heat installer as required.

C. Installation of under slab vapor barrier and placement of rigid insulation required for footing/foundation wall construction to include final pad prep following installation of plumbing and other disturbances of compacted pad material.

D. Proper grading of floor in both the garage and utility room to accommodate garage floor drains (if applicable).


F. Install grounding rebar to permit electrician to make grounding connection to rebar in slab.

PART 1- PRODUCTS
1.1 MATERIALS
A. Deformed Reinforcing Bars: ASTM A 615, Grade 60 (ASTM A 615M, Grade 420).
B. Portland Cement: ASTM C 150, Type 1.
C. Fly Ash: ASTM C 618, Type F. (optional)
D. Aggregates: ASTM C 33, Class 4S.
F. Vapor Retarder: Polyethylene sheet, ASTM D 4397, not less than 10 mils thick.
G. Curing/Sealing Compound:
   1. Apply uniformly in continuous operation by power spray or roller according to manufacturer’s recommendations.

Part 2 MIXES
A. Proportion normal-weight concrete mixes to provide the following properties:

1. Compressive Strength: 4000 psi at 28 days
2. Slump Limit: 4 inches at point of placement.
3. Water-Cement Ratio: 0.55 maximum at point of placement.
4. Cementitious Materials: Limit percentage, by weight, of cementitious materials other than Portland cement in concrete as follows:

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a. Fly Ash: 30 percent (optional)
5. Total Air Content: (Use air-entraining admixture in exterior exposed concrete, unless otherwise indicated.): 6.5% +/- 1% for exterior exposed concrete; 2% other concrete.
6. No calcium chloride shall be used in the mix

PART 1.1 CONCRETING
A. Construct form work and maintain tolerances and surface irregularities within ACI 117 limits of Class A for concrete exposed to view and Class C for other concrete surfaces.
B. Place vapor retarder on prepared drainage course done by others, with joints lapped 6 inches and sealed.
C. Accurately position, support, and secure slab rebar reinforcement, which shall be #3 on 16” centers or #4 on 24” centers. Reinforcement in thickened edges as noted on prints.
D. Install construction, isolation, and control joints.
E. Place concrete

PART 1.2 SHELL
A. Follow specifications as provided on the blueprints.

ALTERNATE TO INCLUDE:

Flying and Installation of trusses: $________________________

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