

Items Required Prior to May 2020 Arrival

SUMMARY

The Church is both the Owner and the General Contractor. They are receiving several hundred volunteers as their guests to help them build their own Building. The Line Items required initially to function as your own Contractor are as follows. Other Items needed by subsequent groups should be coordinated with each Construction Leader and each Logistics Leader, for each week, in advance.

LOGISTICS (Released after all Builders for Christ volunteers have departed)

- L1 Per our previous conversations, we will not use the BFC Tent. We will use your Fellowship Hall
- L2 The existing Kitchen will be used
 - a. Kitchen floor with washable surface
 - b. Washer and dryer
 - c. Ice chest or machine (must produce 300 lbs. per day). If you purchase a larger one; BFC will pay you most of what they would to a vendor, to offset your investment
 - d. Triple sink
 - e. 40 gallon water heater
 - f. Excellent Lighting for kitchen and spotlight into Tent
 - g. 50 linear feet of open, substantial shelving; 20 linear feet of which should be 24 inches deep.
- L3 Refrigerators (5 EACH)
- L4 Large residential Freezers (2 EACH)
- L5 Ranges (4 EACH)
- L8 The BFC Griddle (delivered on the BFC Trailers)
- L9 Two large BBQ Grills (delivered on the BFC Trailers)
- L7 16 ft. Beverage and Snack Table for serving
- L8 Dining Tables and seating for 120
- L9 Chairs for 130
- L10 Hand Washing Station with multiple ports for quick hand washing by Volunteers (ask for details). Locate outside of Kitchen & Building (BFC will bring this on the Tool Truck in May)
- L11 Fire Extinguishers (3 each, 5 lb., ABC rated) Two in Kitchen mounted
- L12
- L13 Emergency Number Poster (Fire, Police, Emergency Medical Service, Key Church Members)
- L14 All Telephone Directories for Area(s)
- L16 Water for Construction Use – In Addition to Kitchen
- L17 Port-A-Johns (six) at site; Cleaned-Out as Often as Needed - a Minimum of Weekly
- L18 Waste Removal Facilities for Food – Emptied as Often as Full, a Minimum of Once Per Week (8 foot high one for food at Kitchen; 40 yard one at site for Construction Waste)
- L19 Waste Removal Facilities for Construction Debris – Empty When Full
- L20 Person with Pick-Up Truck On-Site to Pick-Up Materials, Contact Host Church's Team Leaders, Extremely Important "Gofer", etc. - This person must be on-site from 7:00 am until 3:00 pm, daily. He or she must have map, directions and authority to act with all material suppliers, and should have a minimum of four (4) checks to pay for materials at places where the church does not have an account. This could be two (2) persons, more likely two (2) or three (3) persons alternating, but who are well informed on all pertinent information on their role and the project. This should not be the Church Staff and cannot be the Site Coordinator (Rick or Charles)
- L21 Site Superintendent – to coordinate construction activities for the Host Church. On-site from 6:45am until 4:00 pm each day of which there are BFC Work Crews present, Monday through

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Friday, and the last three (2) Saturdays in May. This person will speak for the Church until the building Team Chair is available. A few other Saturdays are also needed. An Assistant Superintendent must stand in for this pivot person when he must be away.

EQUIPMENT

- E1 8 Foot Step Ladders (1 Each)
- E2 12 Foot Step Ladders (1 Each)
- E3 24 Foot Extension Ladder (1 Each if available; put your name on it; do not buy one; BFC has two others)
- E4 16 Foot Extension Ladder (1 Each if available; put your name on it; do not buy one; BFC has another one)
- E5 Sets of Tiers of Metal Scaffolding (Ends, Cross Braces, Connections, etc.) 20 each section Sets at the beginning, more as each Team advises (Need will vary throughout project; ask the team leaders)
- E6 Wheels for Scaffolding (16 Each) (Need will vary throughout project)
- E7 Strong Saw Horses (8 Each)
- E8 Wheelbarrows (2 Each) – one (1) must be deep, construction grade
- E9 Fixed Blade Rake (1 Each)
- E10 Straw Hand Brooms (2 Each)
- E11 Wide Brooms for Sweeping Slab (2 Each)
- E12 Building Transit (Not Just “Level”) (1 Each for the first two (2) weeks only, then only as requested)
- E13 Two each 24 inch wide rubber edge squeegees, with handle, for pushing water off of the slab
- E14 One Forklift (See Logistics Booklet for Specification) (Rent for 3 months commencing the day before building materials are delivered. It may stay at site longer. One of these needs to have a 50 foot long boom.
- E15 Platform lifts (used on floor during truss erection, HVAC drywall and painting work in the Sanctuary), as requested. (3 each by May 17th, others will be needed as project proceeds)
- E16 Articulating Lift (for installation of eaves and gable siding). (Begin in Week C and continue until siding is complete)
- E17 Hydraulic Crane – 120 ft. minimum reach, heavy Commercial mounted type. Available Monday, May 18st at 7:00 am, including Memorial Day with Operator, until completion, about Thursday, May 29st or May 30th . Start work each day at 7:00am working until about 5:30 or 6:00pm each day. Delivery may be Friday, May 15th, so work can start first thing Monday morning at 7:00am. We will need the crane on Saturday, May 23th, all or most of that day, also.
- E18 Erect all Steel BEFORE volunteers arrive

The crane will lift a truss component weighing 6.500 pounds to 35 feet high, at 60 feet outrange from its pivot point, initially, then 600 pound maximum trusses at full reach; about 400 trusses total. We will also lift many 20 foot tall by 16 foot wide Wall Segments

ITEMS E1 TO E15 TO BE AVAILABLE THROUGHOUT THE PROJECT

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BUILDING MATERIALS (Available four (4) days prior to the arrival of the first group, [May 12th] consumed in the Building Construction Process)

- B1 All Lumber for the Entire Project Framing
- B2 All Roof Trusses (First Delivery May 15th of long span roof trusses.
- B3 All Laminated (Engineered) Wood Elements or Factory Fabricated
- B4 All Plywood, Sheathing and Decking
- B5 All Bolts and Hold Down Brackets Required for Anchorage to Slab of Framing (BFC has purchased the expansion anchors for the sill plates, throughout and will bring them)
- B6 All Bolts, Nuts, Washers, Connectors, Strapping, etc. Required Otherwise
- B7 Nuts, Washers and Bolts for through bolts for beams, for all Required
- B8 **Fender** Washers for All Anchor Bolts (@ 1/16th inch thick, ± 1½ or 2 inches in diameter)
- B9 All Timber connectors, i.e. Hurricane Clips, Straps, etc.
- B10 Rolls of 20 Foot Wide Polyethylene (4 Rolls x 100 ft.)
- B11 All Building Vapor Barrier for Sheathing
- B12 Stable Access to Site/Slab for Deliveries, for Parking, for Foot Traffic, and as Needed
- B13 1/2" Nylon Rope (100 Linear Feet)
- B14 Spools of String (2 Spools 250 LF)
- B15 16 Penny Loose Sinker Nails (250 Pounds)
- B16 10 Penny Loose Nails (100 Pounds)
- B17 BFC has Cap nails for Tyvec and Felt attachment
- B18 "H" Clips for Roof Decking for Entire Roof Deck
- B19 Undersill Roll Insulation for Air Infiltration Around the Perimeter of Building the width of the exterior walls (several widths)
- B20 Flooring Glue (Quart Size, 36 tubes initially)

CONSTRUCTION (Available four (4) days prior to the arrival of the first group...Layout of every wall position on the slab, by a skilled person & a helper, carefully per drawings. BFC will layout the sill plates with Rick upon our arrival.

- C1 Slab, Retaining Walls and Foundations Completed
- C2 Grading of Earth which is Clean and Compact for Forklift and Foot Traffic Easily and Safely, to within 12 inches of final grade at building. We will need a ramp to drive onto the slab.
- C3 Permit for Construction, beyond Foundation (whole building)
- C4 Utilities for Construction
- C5** ***It is very, very important that the top of the Retaining Walls be uniformly the same height, in each location. This will prevent the need to "level" it with grout so that the bearing wall will be level for the roof trusses.***

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COORDINATION

- CO1 Rough Opening for All Windows Must be Sent to Jim Giffin, Alan Cook, Joe Halbrooks and Lawrence Corley (email addresses are listed on this email transmittal)
NOT LATER THAN April 1, 2020
- CO2 Rough Opening for All Doors Must be Sent to Jim Giffin, Alan Cook, Joe Halbrooks and Lawrence Corley
NOT LATER THAN April 1, 2020
- CO3 Send Copy of Roof and Floor Truss Shop Drawings to Lawrence Corley and Joe Halbrooks **AS SOON AS COMPLETED (NOT LATER THAN April 1, 2019)** and **PRIOR TO FABRICATION** for Review and Coordination Comments by BFC

PRINTING FOR CONSTRUCTION BY VOLUNTEERS

- 4 Complete sets of Architectural and Structural Drawings (24 x 36)
- 10 Partial sets of sheets, A2.1, A2.2, A2.2.1, A2.3, A2.4, & A2.6 (24 x 36)
- 2 Complete Electrical only Drawings (24 x 36)
- 8 Partial Sets of E1.1, E1.2, E2.1, E2.2, & E2.4 (24 x 36)
- 2 Complete sets of Audio / Video Final Drawings (24 x 36)
- 2 Complete Sets of Roof Truss Shop Drawings (11 x 17 of each truss type and 24 x 36 of layout Plan)

Onsite by May 12, 2020 about 2:30 pm with "Cutting and Set-up Crew"