

BOSTON HOUSING AUTHORITY
52 CHAUNCY STREET
BOSTON, MA 02111

Contract No.
11198

BID AND AWARD
(Materials and Supplies)
BHA Bid No. 1281_01

Bid
Title: BHA_Job#1281_01_Kitchen_Cabinets_&_Counter_Tops

Opening Date: 11/30/2015 Time: 11:00

Bid Deposit Required Bid Deposit Not Required

BID

The undersigned offers and agrees, if this bid be accepted within sixty (60) days from the date of bid opening, to furnish and deliver all items upon which prices are herein quoted in compliance with all terms, conditions and requirements specified in this bid solicitation. The undersigned certifies under penalties of perjury that this bid or proposal is in all respect bona fide, fair and without collusion or fraud with any other person. By executing this Contract, the Contractor under the pains and penalties of perjury, makes all certifications required by law and certifies that it shall comply with the following requirements: that the Contractor is qualified and shall at all times remain qualified to perform this Contract; that performance shall be timely and meet or exceed industry standards, including obtaining requisite licenses, permits and resources for performance; that the Contractor and its subcontractors are not currently debarred; that the Contractor has reviewed the General Conditions for Procurement Contracts (including hyperlinks), Special Conditions for Term Contracts, Bid Form and Technical Specifications, and Instructions to Bidders; that the terms of this Contract shall survive its termination for the purpose of resolving any claim, dispute or other Contract action, or for effectuating any and all representations, warranties and guarantees made or supplied by the Contractor or its subcontractors.; The Contractor further agrees that all terms governing performance of this Contract and doing business in Massachusetts are attached to this Contract or incorporated by reference herein, including the following requirements: all relevant Massachusetts state and federal laws, regulations, Executive Orders, treaties, the General Conditions for Procurement Contracts, Special Conditions for Term Contracts, Bid Form and Technical Specifications, and Instructions to Bidders, the Request for Proposals (RFP) or solicitation/Invitation for Bids, the Contractor's response to the RFP or solicitation (if applicable), and any additional stipulated provisions. As used in this certification, the word "person" shall mean any natural person, joint venture, partnership, corporation, or other business or legal entity.

Terry Davis
Authorized Signature

Builder Direct of NC LLC
Bidder's Name

Terry Davis CEO
Printed Name, Title

2848 Queen City Blvd
Address

Queen City, NC 28208
City, State, Zip Code

11/27/15
Date

336-939-6508
Phone Number

888-395-0540
Fax Number

tdavis@builderdirectus.com
Email Address

Terry Davis
Contract Manager

Any changes to the official printed language of this form shall be void. The official form or document of record shall be the form posted on Comm-Pass or COMMBUYS for the solicitation.

GENERAL INSTRUCTIONS

1. Sealed bids will be received by the Purchasing Department, Boston Housing Authority until the date and time specified above, at which time they will be publicly opened and read aloud. All interested parties are invited to be present.
2. It is bidder's sole responsibility to ensure timely delivery of the bid. Late bids will not be considered and will be returned unopened.
3. All bids shall be submitted in the envelope provided or in a sealed, opaque envelope bearing the bidder's return address, clearly marked with the words "Bid Documents" and designating the bid title, date, and time set for bid opening.

INSTRUCTIONS FOR COMPLETING THE BID AND AWARD CONTRACT FORM:

AUTHORIZED SIGNATURE: Authorization Signature of Contracting Entity (Individual or Firm) as it appears on **Contractor Authorized Signature Verification Form**

PRINTED NAME, TITLE: Name and Title of person signing the Contract.

BIDDER'S NAME: Enter the full legal name of the Contractor's business as it appears on the Contractor's W-9 Form. If Contractor also has a "doing business as" name, both the legal name and the "d/b/a" name must appear in this section.

PHONE/FAX/E-MAIL ADDRESS: Identify the phone, fax number(s) and electronic mail (e-mail) address of the Contract Manager.

BUSINESS MAILING ADDRESS: Enter the address (Street Address, City, State, and Zip code) where all correspondence to the Contract Manager must be sent. Unless otherwise specified in the Contract, legal notice sent or received by the Contractor's Contract Manager (with confirmation of actual receipt) through the listed fax number(s) or electronic mail address will meet any requirements for written notice under the Contract.

CONTRACT MANAGER: Identify the authorized Contract Manager who will be responsible for managing the Contract.

NOTICE

This procurement and the contract resulting from an award of this procurement are subject to the requirements contained in the following laws and/or regulations unless otherwise indicated: Chapter 30B of the Massachusetts General Laws and Title 24, Section 85.36 of the Code of Federal Regulations.

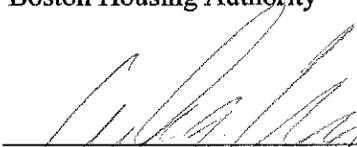
To Be Completed by BHA:

AWARD

| | | |
|----------------------|---------------|------------------|
| AWARD DATE: 1/8/2016 | CONTRACT TERM | CONTRACT AMOUNT: |
| FROM 1/25/2016 | TO 1/24/2017 | \$ 509,523.78 |

Accepted as to items numbered: Boston Housing Authority

Sections 1 & 2


By: William E. McGonagle
Administrator

Any changes to the official printed language of this form shall be void. The official form or document of record shall be the form posted on Comm-Pass or COMMBUYS for the solicitation.

Boston Housing Authority

Bid Form - 1281-01

Page 1 of 6

Bid Title: Kitchen Cabinets

Bid Opening Date: November 30, 2015

Time: 11:00 A.M.

BUILDER DIRECT o F N C U E

Vendor Name

[Signature]
Authorized Signature

Section 1:

Wall Cabinets

| Item Nos. | Quantity | Description | Unit Price | Total |
|-----------|----------|----------------------------------|------------|-----------|
| 1 | 48 | 9"x30" 2 Fixed Shelves, 1 Door | 78.00 | 3,744.00 |
| 2 | 228 | 12"x30" 2 Fixed Shelves, 1 Door | 87.81 | 19,858.80 |
| 3 | 76 | 15"x30" 2 Fixed Shelves, 1 Door | 90.35 | 6,866.60 |
| 4 | 48 | 18"x30" 2 Fixed Shelves, 1 Door | 95.55 | 4,586.40 |
| 5 | 114 | 21"x30" 2 Fixed Shelves, 1 Door | 100.10 | 11,411.40 |
| 6 | 57 | 24"x30" 2 Fixed Shelves, 1 Door | 108.55 | 6,187.35 |
| 7 | 29 | 27"x30" 2 Fixed Shelves, 2 Doors | 129.35 | 3,751.15 |
| 8 | 76 | 30"x30" 2 Fixed Shelves, 2 Doors | 140.00 | 10,600.40 |
| 9 | 76 | 33"x30" 2 Fixed Shelves, 2 Doors | 140.00 | 10,600.40 |
| 10 | 38 | 36"x30" 2 Fixed Shelves, 2 Doors | 160.00 | 6080.00 |
| 11 | 6 | 39"x30" 2 Fixed Shelves, 2 Doors | 165.00 | 990.00 |
| 12 | 6 | 42"x30" 2 Fixed Shelves, 2 Doors | 165.00 | 990.00 |
| 13 | 6 | 48"x30" 2 Fixed Shelves, 2 Doors | 155.00 | 930.00 |
| 14 | 38 | 24"x24" 1 Shelf, 1 Door | 99.40 | 3777.20 |
| 15 | 11 | 27"x24" 1 Shelf, 1 Door | 118.00 | 1298.00 |
| 16 | 190 | 30"x24" 1 Shelf, 2 Doors | 125.00 | 23700.50 |
| 17 | 124 | 36"x24" 1 Shelf, 1 Door | 150.00 | 18600.00 |
| 18 | 38 | 36"x24" 1 Shelf, 2 Doors | 150.00 | 5700.00 |
| 19 | 6 | 48"x24" 1 Shelf, 2 Doors | 125.00 | 750.00 |
| 20 | 57 | 24"x18" 1 Door | 120.00 | 6840.00 |
| 21 | 342 | 30"x18" 2 Doors | 115.00 | 39330.00 |
| 22 | 38 | 33"x18" 2 Doors | 95.00 | 3610.00 |
| 23 | 6 | 36"x18" 2 Doors | 125.00 | 750.00 |
| 24 | 6 | 42"x18" 2 Doors | 95.00 | 570.00 |
| 25 | 6 | 48"x18" 2 Doors | 95.00 | 570.00 |
| 26 | 6 | 30"x15" 2 Doors | 115.00 | 690.00 |
| 27 | 6 | 33"x15" 2 Doors | 110.00 | 660.00 |

Boston Housing Authority

Bid Form - 1281-01

Page 2 of 6

Bid Title: Kitchen Cabinets

Bid Opening Date: November 30, 2015

Time: 11:00 A.M.

Section 1 Cont.: Wall Cabinets

BUILDER DIRECT OR NC LLC

Vendor Name

[Signature]
Authorized Signature

| Item Nos | Quantity | Description | Unit Price | Total |
|----------|----------|-----------------|---------------|---------------|
| 28 | 6 | 36"x15" 2 Doors | <u>120.00</u> | <u>720.00</u> |
| 29 | 6 | 30"x12" 2 Doors | <u>60.00</u> | <u>360.00</u> |
| 30 | 6 | 33"x12" 2 Doors | <u>48.00</u> | <u>288.00</u> |
| 31 | 6 | 36"x12" 2 Doors | <u>60.00</u> | <u>360.00</u> |

Corner Wall Cabinets

| | | | | |
|----|----|-------------------------|---------------|-----------------|
| 32 | 29 | 24"x30" 2 Fixed Shelves | <u>62.00</u> | <u>1,798.00</u> |
| 33 | 6 | 30"x30" 2 Fixed Shelves | <u>83</u> | <u>498.00</u> |
| 34 | 6 | 36"x30" 2 Fixed Shelves | <u>109.00</u> | <u>654.00</u> |
| 35 | 6 | 42"x30" 2 Fixed Shelves | <u>135.00</u> | <u>810.00</u> |
| 36 | 6 | 48"x30" 2 Fixed Shelves | <u>93.00</u> | <u>558.00</u> |

Diagonal Wall Cabinets:

| | | | | |
|----|---|------------------------------|---------------|---------------|
| 37 | 6 | 24"x30" Rotary Metal Shelves | <u>93.00</u> | <u>558.00</u> |
| 38 | 6 | 24"x30" 2 Fixed Shelves | <u>135.00</u> | <u>810.00</u> |

Base Cabinets:

| | | | | |
|----|-----|-----------------------------------|---------------|------------------|
| 39 | 38 | 9"x34-1/2" 1 Door | <u>88.00</u> | <u>3,344.00</u> |
| 40 | 228 | 12"x34-1/2" 1 Door, Drawer Shelf | <u>102.00</u> | <u>23,256.00</u> |
| 41 | 67 | 15"x34-1/2" 1 Door, Drawer Shelf | <u>135</u> | <u>9,045.00</u> |
| 42 | 86 | 18"x34-1/2" 1 Door, Drawer Shelf | <u>169.00</u> | <u>14,534.00</u> |
| 43 | 114 | 21"x34-1/2" 1 Door, Drawer Shelf | <u>110.00</u> | <u>12,540.00</u> |
| 44 | 67 | 24"x34-1/2" 1 Door, Drawer Shelf | <u>173.00</u> | <u>11,591.00</u> |
| 45 | 29 | 27"x34-1/2" 1 Shelf | <u>165.00</u> | <u>4,785</u> |
| 46 | 105 | 30"x34-1/2" 2 Doors, Drawer Shelf | <u>173.00</u> | <u>18,165.00</u> |
| 47 | 29 | 33"x34-1/2" 2 Doors, Drawer Shelf | <u>161.00</u> | <u>4,669</u> |
| 48 | 38 | 36"x34-1/2" 2 Doors, Drawer Shelf | <u>128.00</u> | <u>4,864.00</u> |
| 49 | 48 | 42"x34-1/2" 2 Doors, Drawer Shelf | <u>145.00</u> | <u>6,960.00</u> |
| 50 | 29 | 48"x34-1/2" 2 Shelf | <u>145.00</u> | <u>4,205.00</u> |

Boston Housing Authority
 Bid Form - 1281-01
 Page 3 of 6
 Bid Title: Kitchen Cabinets
 Bid Opening Date: November 30, 2015
 Time: 11:00 A.M.

Builder Direct of LLC
 Vendor Name

 Authorized Signature

Section 1 cont. Drawer Bases:

| Item Nos. | Quantity | Description | Unit Price | Total |
|-----------|----------|-----------------------|------------|-----------|
| 51 | 48 | 12"x34-1/2" 4 Drawers | 120.00 | 5,760.00 |
| 52 | 67 | 15"x34-1/2" 4 Drawers | 185.00 | 12,395.00 |
| 53 | 38 | 18"x34-1/2" 4 Drawers | 190.00 | 7,220.00 |
| 54 | 48 | 21"x34-1/2" 4 Drawers | 169.00 | 8,112.00 |
| 55 | 38 | 24"x34-1/2" 4 Drawers | 154.00 | 5,852.00 |

Sink Fronts:

| | | | | |
|----|---|---------------------|-------|--------|
| 56 | 6 | 24"x34-1/2" 1 Door | 30.00 | 180.00 |
| 57 | 6 | 30"x34-1/2" 1 Door | 30.00 | 180.00 |
| 58 | 6 | 36"x34-1/2" 2 Doors | 30.00 | 180.00 |
| 59 | 6 | 42"x34-1/2" 2 Doors | 30.00 | 180.00 |
| 60 | 6 | 48"x34-1/2" 2 Doors | 30.00 | 180.00 |

Sink Bases:

| | | | | |
|----|-----|----------------------|--------|-----------|
| 61 | 86 | 30"x34-1/2" 2 Doors | 185.00 | 15,910.00 |
| 62 | 105 | 33"x34-1/2" 2 Doors | 104.00 | 10,920.00 |
| 63 | 143 | 36"x.34-1/2" 2 Doors | 199.00 | 28,457.00 |
| 64 | 6 | 39"x34-1/2" 2 Doors | 165 | 990.00 |
| 65 | 38 | 42"x34-1/2" 2 Doors | 189 | 7,182.00 |
| 66 | 19 | 45"x34-1/2" 2 Doors | 190 | 3,610.00 |
| 67 | 29 | 48"x34-1/2" 2 Doors | 135.00 | 6,480.00 |

Rotary Corner Bases:

| | | | | |
|----|---|-------------|--------|--------|
| 68 | 6 | 36"x34-1/2" | 140.00 | 840.00 |
|----|---|-------------|--------|--------|

Blind Corner Bases:

| | | | | |
|----|---|------------------------------|--------|----------|
| 69 | 6 | 36"x34-1/2" 1 Door, 1 Drawer | 170.00 | 1,020.00 |
| 70 | 6 | 42"x34-1/2" 1 Door, 1 Drawer | 185.00 | 1,110.00 |
| 71 | 6 | 48"x34-1/2" 1 Door, 1 Drawer | 201.00 | 1,206.00 |

Boston Housing Authority
 Bid Form - 1281-01
 Page 4 of 6
 Bid Title: Kitchen Cabinets
 Bid Opening Date: November 30, 2015
 Time: 11:00 A.M.

Builder Direct of NC LLC
 Vendor Name

 Authorized Signature

Section 1 cont. Corner Bases:

| Item Nos. | Quantity | Description | Unit Price | Total |
|-----------|----------|---------------------------------|------------|----------|
| 72 | 6 | 36-40"x34-1/2" 1 Door, 1 Drawer | 180.00 | 1,080.00 |
| 73 | 6 | 39-43"x34-1/2" 1 Door, 1 Drawer | 201.00 | 1,206.00 |
| 74 | 6 | 42-46"x34-1/2" 1 Door, 1 Drawer | 201.00 | 1,206.00 |
| 75 | 6 | 45-49"x34-1/2" 1 Door, 1 Drawer | 211.00 | 1,266.00 |

Universal Oven Cabinets:

| | | | | |
|----|---|-------------------|--------|--------|
| 76 | 6 | 27"x84" 3 Drawers | 164.00 | 984.00 |
| 77 | 6 | 27"x84" 2 Drawers | 164.00 | 984.00 |
| 78 | 6 | 27"x84" 1 Drawer | 164.00 | 984.00 |

Broom Cabinets: (84" High, 12" or 24" Deep)

| | | | | |
|----|---|-----------------|--------|----------|
| 79 | 6 | 12"x84" 2 Doors | 185.00 | 1,110.00 |
| 80 | 6 | 15"x84" 2 Doors | 175.00 | 1,050.00 |
| 81 | 6 | 18"x84" 2 Doors | 345.00 | 2,070.00 |
| 82 | 6 | 21"x84" 2 Doors | 211.00 | 1,266.00 |
| 83 | 6 | 24"x84" 2 Doors | 319.00 | 1,014.00 |

Wall Fillers: (3")

| | | | | |
|----|----------|--|------|--------|
| 84 | 100 feet | | 8.00 | 800.00 |
|----|----------|--|------|--------|

Base Fillers: (3")

| | | | | |
|----|----------|--|------|----------|
| 85 | 240 feet | | 8.00 | 1,920.00 |
|----|----------|--|------|----------|

Corner Base Fillers: (3")

| | | | | |
|----|----|--|-------|--------|
| 86 | 95 | | 10.00 | 950.00 |
|----|----|--|-------|--------|

Handicap Accessible Modification

| | | | | |
|----|-----|---|-----|-----|
| 87 | 190 | Cabinet Modification to include 7-1/2" Toe Kick in place of standard height (Bidders may indicate No Extra Charge for this item) | N/C | N/C |
|----|-----|---|-----|-----|

Name of Manufacturer: SMART CABINETS Section No. 1 Total 454,668.92

Boston Housing Authority
 Bid Form - 1281-01
 Page 5 of 6
 Bid Title: Kitchen Cabinets
 Bid Opening Date: November 30, 2015
 Time: 11:00 A.M.

Builder Direct of NELLE
 Vendor Name

 Authorized Signature

Section 2: Counter Tops (Plywood)

| Item Nos. | Quantity | Description | Unit Price | Total |
|-----------|---------------|---|--------------|------------------|
| 1 | 1,000 Ln/Ft - | No Drip Post Form, unfinished ends | <u>27.00</u> | <u>27,000.00</u> |
| 2 | 270 Ln/Ft | Custom Square Edge, Loose backsplash, finished edge | <u>29.00</u> | <u>7,830.00</u> |

Counter Tops (Particle Board):

| | | | | |
|---|-------------|------------------------------------|-------------|------------------|
| 3 | 2,000 Ln/Ft | No Drip Post Form, unfinished ends | <u>8.00</u> | <u>16,000.00</u> |
|---|-------------|------------------------------------|-------------|------------------|

Counter Tops (Finishing & Delivery Options):

| | | | | |
|---|---------|---|--------------|-----------------|
| 4 | 150 ea. | 45 degree miter or straight cut joints counters delivered knocked down (KD) with fastening bolts supplied by vendor | <u>10.00</u> | <u>1,500.00</u> |
| 5 | 150 ea. | 45 degree miter or straight cut joints counters delivered pre-joined (glued - no bolts) | <u>10.00</u> | <u>1,500.00</u> |
| 6 | 600 ea. | End Cap Kits (self adhering with furring strips) | <u>4.00</u> | <u>2,400.00</u> |

Section No. 2 Total: 56,230

GRAND Total
 (Sections: 1 & 2)

510,898.82

BHA MASTER SPECIFICATIONS KITCHEN CABINETS

TECHNICAL STANDARDS

ANSI/KCMA A161.1 2000 Performance & Construction Standards For Kitchen Cabinets.

HUD – Severe Use Specifications for Public and Indian Housing – Sept. 1993

AWI – American Woodwork Institute - materials and finish grades

The above ANSI/KCMA and HUD Severe Use standards are the minimum requirements for kitchen cabinets supplied under this contract. BHA specific requirements may appear and exceed the requirements of the referenced standards. The more stringent BHA standard shall apply wherever there is a conflict.

SPECIFICATIONS: PLYWOOD CABINETS

1.0 SCOPE

- 1.1 These specifications cover factory manufactured, factory finished kitchen and vanity cabinets in standard sizes, type and design. These cabinets may be factory assembled.
- 1.2 The purpose of these specifications is to establish recognized performance standards for the purchase of cabinets for the Boston Housing Authority.

Note: Use of particle board, flake board, fiberboard, or hardboard in the construction of kitchen cabinets and countertops **SHALL NOT** be accepted in this solicitation.

2.0 MATERIAL

The following cabinet specifications are **REQUIRED**:

- 3/4 inch kiln-dried hardwood frames, doors, and drawer fronts
(frameless cabinets are **NOT ACCEPTABLE**.)
- Panel doors shall be 5-piece 3/4" stile and rail frames with minimum 1/4" hardwood raised panel, (veneered plywood raised panels are **NOT ACCEPTABLE**. Raised panels shall be solid wood);

OR

The BHA shall accept an oak, maple, beech, birch or solid plantation hardwood door, which has been routed to give a raised panel-in-frame appearance.

- 1/2" plywood back panels and bottoms
(Particle board should not be used in any part of cabinets)
- Drawers shall have 1/4" inch minimum plywood bottoms dadoed and glued into all four sides of drawer box.

- Epoxy-coated steel drawer guides; 150lb. min. capacity; two side-mounted slides per drawer.
(A single center drawer guide is **not acceptable**)
- Wall cabinet hanging rails shall run continuously along top and bottom of cabinet and be minimum ¾" x 3" nominal solid wood

The following cabinet specifications are recommended:

- Dovetailed drawer fronts are preferred but not required

2.1 Wall and Base Cabinets;

Wall and base cabinets shall be of the same construction and outside appearance and must have face frames. Construct cabinets and counter tops of solid lumber and exterior grade plywood with wood veneer core. No particle board, flakeboard, fiberboard or hardboard will be accepted. **All parts touching floor must be or pressure treated solid lumber.** Brace cabinets as necessary to produce sturdy and rigid construction. Provide an integral toe space of at least 3" x 3". Only first quality methods, materials and workmanship will be used.

2.1.1 Face Frames:

¾" thick of kiln dried solid hardwood, free of knots and selected for light uniform color suitable for natural finish. Frames to be mortised and tenoned, dovetailed, or doweled, glued and stapled under pressure and filled and sanded. Vertical end members (stiles) to be 1-1/2" wide. Vertical center members between doors and drawers (mulls) to be minimum 2" wide. Horizontal members (rails) to be 1-3/4" wide. Stiles and top and bottom rails to be dadoed to receive ends, bottoms and tops.

2.1.2 End Panels:

Exposed ends shall be minimum 2-2 grade, 1/2" thick 5-ply exterior hardwood plywood, selected for light uniform color. Ends not exposed can be 1/2" exterior softwood plywood, grade A-D, with "A" side to inside of cabinet. Ends shall be dadoed a minimum of 1/4" deep to receive shelves, bottoms, and tops. Ends must be let into dadoe in face frame. Base cabinet end panels shall stop 3-1/2" above the floor and be supported by ¾" x 3-1/2" pressure treated solid lumber member.

2.1.3 Backs:

Required on all cabinets: Minimum 1/4" thick 2-2 grade exterior hardwood or A-D grade exterior softwood plywood. Must be securely glued and stapled to ends, 3-1/2" cleats and shelves of cabinet. Back may be let into dadoe of ends and installation cleats or may be applied flush with end of cabinets and installation cleats.

2.1.4 Installation Cleats:

Minimum of ¾" x 3-1/2" S4S, "C" grade, kiln dried solid lumber, dadoed to receive bottoms and tops. Two horizontal members running full length of cabinets at top and bottom required. Base cabinets with drawers must have a third member at drawer height to receive side mount drawer slide bracket.

2.1.5 Shelves and Wall Cabinet Bottom:

1/2" thick 2-2 grade exterior hardwood or A-2 grade exterior softwood plywood with wood banded front edge, or 3/4" thick solid lumber. Shelves to be let into dadoes of end panels and braced behind mulls. Bottoms to be let into dadoes in ends, installation cleats, and front frames. Both must be glued and stapled.

2.1.6 Doors:

3/4" thick, 7-ply, A-2 grade exterior hardwood plywood with no more than one veneer joint on face. Doors shall be of overlay type with edges reversed shaped to form continuous finger grip around all sides. Edges shall be filled and sanded smooth to prior finish. Edges can be treated with hot foil transfer.

Acceptable hardwoods shall be beech, birch, maple or oak or solid plantation hardwood.

2.1.7 Base Bottoms:

1/2" thick 2-2 grade exterior hardwood or A-3 grade exterior softwood plywood. Bottoms shall be let into end panels, front rails and installation cleats. Bottom shall be supported by 3/4" thick pressure treated solid lumber braces 24" O.C. running front to rear of cabinet and resting on floor.

2.1.8 Toe Kicks:

3/4" thick pressure treated solid lumber. (Pressure Treated is a REQUIRED feature).

2.1.9 Drawers:

Drawer fronts shall be same material as doors. Sides and backs shall be minimum of 1 1/16" thick "C" grade solid lumber with sides dovetailed or mortised and tenoned into fronts. Backs shall be dadoed into sides. Drawer bottoms shall be minimum 1/4" softwood or hardwood exterior plywood let into front, sides and back. All drawer parts shall be glued, and nailed or stapled together. Mount drawers on pair of epoxy coated 150 lb. capacity side mounted metal guides. Cabinet member guides must be attached at rear to 1/4" solid lumber hanging rail by use of metal rear mount brackets or by continuous wraparound method.

All pull-out work surfaces and drawers must have positive lever stops, which have less of a tendency to jump the tracks when the drawer is fully extended.

2.1.10 Finish:

Exposed surfaces and interior of cabinet shall be factory finished consisting of stain, sealer and polyurethane coats (AWI TR-6-Catalyzed Polyurethane preferred), or an equivalent coating system, lightly sanded between applications. Sealer and top coats must be over dried. Color shall be selected by the BHA from manufacturer's standard colors. Toe kick shall be painted as desired by the BHA.

2.1.11 Hardware:

Hardware must be high quality, such as manufactured by Blum, Stanley and Salice, and use heavy gauge metal and be easy to replace. Provide corrosion resisting hardware. Hinges shall be manufacturer's standard heavy duty with self-closing feature and shall be the face mount or the semi-concealed type. Cabinet drawers shall be mounted on metal side rails with 150 lb. loading capacity.

3.0 PERFORMANCE AND MATERIAL SPECIFICATIONS

3.1 MATERIAL SPECIFICATION

Kitchen cabinets shall contain material that complies with the following: Pressure treated lumber shall comply with AWPB Standard LP 2 (PRESSURE TREATED WITH WATER-BORNE PRESERVATIVES, ABOVE GROUND USE).

Plywood shall comply with PS 51-77 or PS 1-74.

3.2. CABINET HARDWARE

Cabinet hardware shall comply with the finishing requirements of ANSI/BHMA A 156.9 - 1982.

4.0 SHOP DRAWINGS

- 4.1 In addition to the above, shop Drawings of sink tops and cabinets shall be submitted for approval upon request of the BHA.
- 4.2 No work shall be fabricated, or materials delivered until final approval by the BHA of all shop drawings and other required submissions has been obtained.

5.0 COUNTER TOP SPECIFICATIONS - PLYWOOD

Counter Top shall be either fully posted formed type or loose back/square back (style to be specified when ordered) of high-pressure plastic laminated to 3/4" thick exterior plywood. The bottom front edge and ends of counter tops shall have a solid wood mold. The perimeter of the bottom of counter tops and sink cut outs shall be sealed with varnish. The counter top shall include a drop edge. Delivery of counter tops ordered will be required within ten (10) working days after receipt of order. Colors shall be as referenced in the Wilson Art Standard Colors Group 1.

6.0 COUNTER TOP SPECIFICATIONS - PARTICLE BOARD

Counter Top shall be either fully posted formed type or loose back/square back (style to be specified when ordered) of high-pressure plastic laminated to 5/8" thick, exterior particle board. The bottom front edge and ends of counter tops shall have a solid wood mold. The perimeter of the bottom of counter tops and sinks cut outs shall be sealed with varnish. The counter top shall include a drop edge. Delivery of counter tops ordered will be required within five (5) working days after receipt of order. Colors shall be as referenced in the Wilson Art Standard Colors Group 1.

ALL PLYWOOD AND PARTICLE BOARD COUNTERTOPS SHALL BE DELIVERED FULLY ASSEMBLED OR ASSEMBLED ON SITE BY THE SUPPLIER WHENEVER TOO LARGE FOR PRACTICABLE DELIVERY IN ONE PIECE.