1. All dimensions to exterior face of sheathing @ exterior walls.
2. All wall studs are 2X4 unless otherwise noted.
3. Bracing Method: CS-WSP (Continuous Sheathing-Wood Structural Panel)
4. 2" rigid insulation shall be used as water-resistant barrier per ESR-2142 Sect. 4.3. All seams and joints to be taped with 2" construction tape.
5. Face of sheathing @ exterior walls to align with face of masonry below.
6. All window locations to be determined on site unless otherwise dimensioned.
7. All windows and doors to be covered by porches and flashed.
8. Bracing Method: CS-WSP (Continuous Sheathing-Wood Structural Panel)
9. Water resistant flooring shall be used in kitchen, bathroom(s), and laundry areas AND within 3 feet of all exterior doors.
10. Clothes dryer shall be exhausted directly to outdoors.
11. HVAC Return is shown for crawl location ONLY. Attic return is above hall ceiling.
12. Trusses shall have a raised heel to ensure full insulation value and 12" overhangs.
13. Light gray -OR- light brown shingles to be used on roof.
14. Any building face within 10' of property line requires protection behind aluminum & vinyl soffits per NCRC 2012 Section R502.5(3).
15. TERMITE TREATMENT: BORATE treatment of all framing within 3' of foundation.
16. Insulation shall be installed per manufacturer's specs with no substantial gaps, voids, compressions, or wind intrusion. Insulation and air barrier shall be in physical contact with each other.
17. Provide min. of 20' X 10' concrete driveway AND 4' sidewalk to front door.
18. Seal external cracks, joints, etc. around windows and doors with caulking and install pest proof screens.
19. Water heater to be located in designated closet as shown; drain and drain pan shall be installed; drain shall lead directly to outdoors.

**NOTES APPLICABLE TO SCHEDULE ONLY**

- All egress and glazing requirements per 2012 NC REScode

**WALL SCHEDULE**

<table>
<thead>
<tr>
<th>Type</th>
<th>Location</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>26' Exterior Entry Door</td>
<td>(1)</td>
</tr>
<tr>
<td>B</td>
<td>32' Exterior Entry Door</td>
<td>(2)</td>
</tr>
<tr>
<td>C</td>
<td>26' Exterior Entry Door</td>
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<tr>
<td>I</td>
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**STUD SCHEDULE**

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<th>Type</th>
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<td>(1)</td>
</tr>
<tr>
<td>B</td>
<td>24' Interior Door</td>
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<td>C</td>
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<td>(2)</td>
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<tr>
<td>K</td>
<td>24' Interior Door</td>
<td>(2)</td>
</tr>
</tbody>
</table>

**SQUARE FOOTAGE**

- Heated: 1298 SF
- Unheated: 164 SF (covered porches)
25 YR FIBERGLASS SINGLE CLASS A CERTAINED INSTALLED OVER 1/2" O.S.B. 15# FELT (INSTALL PER MANUFACTURERS WRITTEN INSTRUCTIONS)

NOTE: WOODEN HANDRAIL/GUARD RAIL AS REQUIRED, MUST MEET CODE.
SEE DETAIL THIS PAGE

NOTE: CAULK AROUND 1 1/2" AT COLUMN CAP

NOTE: VENT AROUND 1" IN DOWNSPOUT

NOTE: VINYL BOARD AND BATTEN SIDING INSTALLED OVER 1/2" O.S.B., HOUSE WRAP

NOTE: BRICK OR STONE FOUNDATION ONLY: Brick foundation on front of house/porch ONLY (See foundation plan for details)
25 YR. FIBERGLASS SINGLE CLASS A CERTAINED INSTALLED OVER
7/16" OSB, 15# FELT (INSTALL PER MANUFACTURERS WRITTEN INSTRUCTIONS)

2X6 SIDE PORCH ROOF EXTENSION ATTACHED TO ROOF TRUSSES, BUILT IN FIELD. SEE ENGINEERED DOCUMENTS

VINYL LAP SIDING W/ TRIM (TYP) INSTALLED OVER WALL SHEATHING (INSTALL PER MANUFACTURERS WRITTEN INSTRUCTIONS)

SIDE ELEVATION

REAR ELEVATION
1. Keep foundation walls at least 12" tall to keep wood members off the ground.
2. Dig continuous footing under all foundation walls; 8" minimum thickness.
3. All walls, including porches, must be inside set back lines.
4. No interior load bearing walls or point loads. All nusses bear on exterior walls. (Does not apply to two story plans)
5. Top of rowlock on porch to be approx. 4" lower than top of house slab.
6. 4" of 3,000 PSI fiber reinforced concrete, 10 mil vapor barrier with min. 4" washed stone or equiv recycled concrete over compacted fill, R-5 rigid insulation See Details.
7. Termite Treatment: Structure to be termite treated with BORATE when framing is complete.
8. Locate within 12" of each corner, both sides of exterior doors, and every 6'-0" O.C. See Habitat "Cut Sheet" for splice locations. Locate anchors within 12" each side of splice.
9. Concrete Joists:
   - 4" Block wall to top of slab
   - 8" Block wall behind face brick
   - 12" Block wall provides 4" ledge for porch
   - Brick steps to grade, 4" wide, bolts per supervisor (not shown)
1. Keep foundation walls at least 12" tall to keep wood members off the ground.
2. Dig continuous footing under all foundation walls; 8" minimum thickness.
3. All walls, including porches, must be inside setback lines.
4. No interior load bearing walls or point loads. All trusses bear on exterior walls. (Do not apply to two-story plans or multi-family projects)
5. Top of rowlock on porch to be approx. 4" lower than top of house slab.
6. 4" of 3,000 PSI fiber reinforced concrete, 10 mil vapor barrier with min. 4" washed stone or equiv recycled concrete over compacted fill, R-5 rigid insulation—See Details.
7. Foundation Strap Anchors: Locate within 12" of each corner, both sides of exterior doors, and a min. of every 32". See Habitat "Cut Sheet" for splice locations. Locate straps within 12" each side of splice. Must Meet Code.
8. Front wall ONLY: Face brick w/ ladder type joint reinforcement; 1/2" threaded rod anchors, 12" from corners; 6'-6" O.C.; 15" min. embedment.
9. Termite Treatment: Structure to be termite treated with BORATE when framing is complete.
1. Dig continuous footing under all foundation walls; 8" minimum thickness, with (2) #4 rebars, continuous, on supports, @ 4'-0" O.C. max.
2. All walls, including porches, must be inside set back lines.
3. See plan for thickened slab/load bearing interior wall locations (if applicable): 10" deep x 18" wide minimum footing with (2) #4 continuous rebar.
4. Top of rowlock on porch to be approx. 4" lower than top of house slab.
5. 4" of 3,000 PSI fiber reinforced concrete, 10 mil. vapor barrier with min. 4" washed stone or equiv recycled concrete over compacted fill, R-5 rigid insulation.
6. Foundation Strap Anchors: Locate within 12" of each corner, both sides of exterior doors, and a minimum of every 32". See Habitat plans for splice locations. Locate straps within 12" each side of splice.
7. Termite Treatment: Structure to be termite treated with BORATE when framing is complete.
1. Maintain minimum floor joist clearance of 18" to grade and minimum dropped girder clearance of 12" to grade.

2. Dig continuous footing under all foundation walls; 8" minimum thickness.

3. All walls, including porches, must be inside set back lines.

4. No interior load bearing walls or point loads. All trusses bear on exterior walls. (Does not apply to historical plans or multi-family projects)

5. Poured porches-porch floor foundation will be two (2) brick courses plus a rowlock higher than house foundation.

6. Sill anchors/anchor bolt installation-6'-0" O.C. & within 12" of corners, then doubled every 12'.

7. Front wall ONLY: Face brick w/8" CMU filled solid; 2 1/2" rod anchors, 12" from corners; 6'-0" O.C.; 15" min. embedment.

8. Foundation vents within 3' of corners.

9. Crawl space door-see Site Prep Supervisor for location.

10. Termitc Treatment: Structure to be termite treated with BORATE when framing is complete (up to 3 on all LEED homes).

**NOTE: PIER FOOTINGS CAN BE DUG AS SINGLE 20" TRENCH MINIMUM PIER FOOTING THICKNESS: 8" CAN BE DUG AS SINGLE 20' TRENCH MINIMUM FOOTING THICKNESS: 8"**

HABITAT FOR HUMANITY CHARLOTTE

CONTACT: CARRIE MASTO cmasto@habitatcharlotte.org

FILE:Dupont_90_REVISED.dwg FLOOR PLAN: DWG DATE:

SHEET TITLE: PLOT DATE: Feb. 26, 16
CRAWL FRAMING NOTES:
1. Long walls that run parallel with joists need a joist or blocking underneath. Place 2X10 blocking @ 3'-0" O.C.; consider plumbing when running extra joists.
2. Dimensions are to outside face of block & center of joist unless otherwise noted.
3. Use pressure treated lumber adjacent to all foundation brick and block material.

FLOOR SYSTEMS:
- "Historic B" 2X10 floor joists--top edges flush with girders & band joists; center piles dropped.
- Double 2X12 girders; 2X10 band joists.

EXAMPLE OF JOIST UNDER WALL THAT RUNS PARALLEL WITH JOIST

OUTSIDE FACE OF BAND
1. All dimensions to exterior face of sheathing @ exterior walls.
2. All wall studs are 2X4 unless otherwise noted.
3. Bracing Method: CS-WSP (Continuous Sheathing-Wood Structural Panel)
4. Rigid insulation shall be used as water-resistive barrier per ESR-2142 Sect. 4.3. All seams and joints to be taped with 2" construction tape.
5. Face of sheathing @ exterior walls to align with face of masonry below.
6. All window locations to be determined on site unless otherwise dimensioned.
7. All windows and doors to be covered by porches and flashed.
8. All windows and doors shall have an overall U-Factor of .35 or less, and a SHGC of .30 or less.
9. Water resistant flooring shall be used in kitchen, bathroom(s), and laundry areas AND within 3 feet of all exterior doors.
10. Clothes dryer shall be exhausted directly to outdoors.
11. HVAC Return is shown for crawl location ONLY. Attic return is above hall ceiling.
12. Trusses shall have a raised heel to ensure full insulation value and 12" overhangs.
13. Light gray -OR- light brown shingles to be used on roof.
14. Any building face within 10' of property line requires protection behind aluminum & vinyl soffits per NCRC 2012 Section R703.11.3.
15. TERMITE TREATMENT: BORATE treatment of all framing within 3' of foundation.
16. Insulation shall be installed per manufacturer's specs with no substantial gaps, voids, compressions, or wind intrusion. Insulation and air barrier shall be in physical contact with each other.
17. Provide min. of 20' X 10' concrete driveway AND 4' sidewalk to front door.
18. Seal external cracks, joints, etc. around windows and doors with caulking and install pest proof screens.
19. Water heater to be located in designated closet as shown; drain and drain pan shall be installed; drain shall lead directly to outdoors.
20. Drain and drain pan -OR- single throw supply valve shall be installed for clothes washer.

**NOTES:**
- 18. Seal external cracks, gaps, etc. around windows and doors with caulk and install pest proof screens.
- 19. Water heater to be located in designated closet as shown; drain and drain pan shall be installed; drain shall lead directly to outdoors.
- 20. Drain and drain pan -OR- single throw supply valve shall be installed for clothes washer.

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**WINDOW SCHEDULE:**
- 1. 2'-8" X 4'
- 2. 2'-8" X 3'

**DOOR SCHEDULE:**
- 1. 32" Exterior Metal Entry Door
- 2. 24" Exterior Metal Entry Door
- 3. 24" Exterior Metal Door
- 4. 30" Interior Door
- 5. 36" Interior Door
- 6. 36" Bi-hung Interior Door
- 7. 48" Bi-hung Interior Door
- 8. 60" Bi-hung Interior Door

**WALL HEADERS:**
- 1. Windows
- 2. Exterior Walls - 2X4s @ 24" O.C.
- 3. Interior Walls - 2X4s @ 24" O.C.

**STUD SPACING:**
- 1. Per NCRC 2012 Table R502.5(3)
- 2. No interior load bearing walls - OR - point loads. All trusses bear on exterior walls.

**SQUARE FOOTAGE:**
- Heated: 1288 SF
- Unheated: 164 SF (covered porches)
1. Shall comply with NCRC 2012 Edition Section(s) R311 and R312

2. Historic B Foundation ONLY: Brick foundation on front of house/porch ONLY

(See foundation plan for details)
HABITAT FOR HUMANITY CHARLOTTE

CONTACT: CARRIE MASTO cmasto@habitatcharlotte.org

FILE: Dupont_90_REVISED.dwg
FLOOR PLAN: DUPONT 90 LEFT
DWG DATE: FEB 26, 2016

SELECTION: ELEVATIONS-2 of 2

SIDE ELEVATION

REAR ELEVATION

25 YR. FIBERGLASS SINGLE CLASS A CERTAINTEED INSTALLED OVER 7/16" OSB, 15# FELT (INSTALL PER MANUFACTURERS WRITTEN INSTRUCTIONS)

2X6 SIDE PORCH ROOF EXTENSION ATTACHED TO ROOF TRUSSES, BUILT IN FIELD. SEE ENGINEERED DOCUMENTS

VINYL LAP SIDING W/ TRIM (TYP) INSTALLED OVER WALL SHEATHING (INSTALL PER MANUFACTURERS WRITTEN INSTRUCTIONS)

MAIN FIN. FLOOR

SIDE ELEVATION

RIDGE VENT

VINYL PERFORATED SOFFIT @ EAVES

8'-1 1/2" 0'-0"

8'-1 1/2" 0'-0"

REAR ELEVATION

VINYL LAP SIDING W/ TRIM (TYP) INSTALLED OVER WALL SHEATHING (INSTALL PER MANUFACTURERS WRITTEN INSTRUCTIONS)

8'-1 1/2" 0'-0"

8'-1 1/2" 0'-0"

8'-1 1/2" 0'-0"

8'-1 1/2" 0'-0"

8'-1 1/2" 0'-0"
1. Keep foundation walls at least 12" tall to keep wood members off the ground.
2. Dig continuous footing under all foundation walls; 8" minimum thickness.
3. All walls, including porches, must be inside set back lines.
4. No interior load bearing walls or point loads. All trusses bear on exterior walls. (Does not apply to tiny home plans or multi-family projects)
5. Top of rowlock on porch to be approx. 4" lower than top of house slab.
6. 4" of 3,000 PSI fiber reinforced concrete, 10 mil vapor barrier with min. 4" washed stone or equiv recycled concrete over compacted fill, R-5 rigid insulation-See Details.
7. Anchor Bots: Locate within 12" of each corner, both sides of exterior doors, and every 6'-0" O.C. See Habitat "Cut Sheet" for splice locations. Locate anchors within 12" each side of splice.
8. Termite Treatment: Structure to be termite treated with BORATE when framing is complete.

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<table>
<thead>
<tr>
<th>HOUSE LENGTH</th>
<th>ROWLOCK</th>
<th>CEM. BRICK</th>
<th>FACE BRICK</th>
<th>4&quot; BLOCK</th>
<th>8&quot; BLOCK</th>
<th>TOP OF SLAB</th>
<th>FACE</th>
<th>BRICK STEPS TO GRADE, 4&quot; WIDE, BOLTS PER SUPERVISOR (NOT SHOWN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12'-4 1/2&quot;</td>
<td>4'-6&quot;</td>
<td>1'-0&quot;</td>
<td>6'-4&quot;</td>
<td>13'-2&quot;</td>
<td>13'-4&quot;</td>
<td>1'-2 1/2&quot;</td>
<td>4'-0&quot;</td>
<td>1'-4&quot;</td>
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**NOTE:** Final grade determines foundation and porch heights.

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**Habitat for Humanity Charlotte**

**CONTACT:** CARRIE MASTO cmasto@habitatcharlotte.org

**FILE:** Dupont 90 REVISED.dwg

**SHEET TITLE:** SLAB-HISTORIC A

**PLOT DATE:** Feb. 26, 16

**DWG DATE:** FEB 26, 2016
1. Keep foundation walls at least 12" tall to keep wood members off the ground.
2. Dig continuous footing under all foundation walls; 8" minimum thickness.
3. All walls, including porches, must be inside set back lines.
4. No interior loading bearing walls or point loads. All trusses bear on exterior walls. (Does not apply to load-bearing walls or multi-family projects)
5. Top of rowlock on porch to be approx. 4" lower than top of house slab.
6. 4" of 3,000 PSI fiber reinforced concrete, 10 mil vapor barrier with min. 4" washed stone or equiv recycled concrete over compacted fill, R-5 rigid insulation-See Details.
7. Foundation Strap Anchors: Locate within 12" of each corner, both sides of exterior doors, and a min. of every 32". See Habitat "Cut Sheet" for splice locations. Locate straps within 12" each side of splice. Must Meet Code.
8. Front wall ONLY: Face brick w/ ladder type joint reinforcement; 2" threaded rod anchors, 12" from corners; 6'-0" O.C.; 15" min. embedment.
9. Termite Treatment: Structure to be termite treated with BORATE when framing is complete.

**Slab Historic B Foundation Details Cross Section**

- House Length
- Porch Depth
- Rowlock
- 8" Block
- Face Brick
- Cem. Brick
- Compacted Fill to Slab
- 12" Block
- Top of Slab

**Porch Details**

- Porch Wall:
- 8" Block Wall Below Grade; Hollow Header Block, Top Course, TYP
- 8" Block Wall Provides 4" Ledge for Porch
- Brick Steps to Grade, 4" Wide, Bolts Per Supervisor (Not Shown)

**Front Wall Only:** See Note #8

**NOT TO SCALE**
**NOT TO SCALE; FINAL GRADE DETERMINES FOUNDATION AND PORCH HEIGHTS**

1. Dig continuous footing under all foundation walls; 8" minimum thickness, with (2) #4 rebars, continuous, on supports, @ 4'-0" O.C. max.
2. All walls, including porches, must be inside set back lines.
3. See plan for thickened slab/load bearing interior wall locations (if applicable): 10" deep x 18" wide minimum footing with (2) #4 continuous rebar.
4. Top of rowlock on porch to be approx. 4" lower than top of house slab.
5. 4" of 3,000 PSI fiber reinforced concrete, 10 mil. vapor barrier with min. 4" washed stone or equiv recycled concrete over compacted fill, R-5 rigid insulation.

**Foundation Strap Anchors:** Locate within 12" of each corner, both sides of exterior doors, and a minimum of every 32". See Habitat plans for splice locations. Locate straps within 12" each side of splice.

7. Termite Treatment: Structure to be termite treated with BORATE when framing is complete.

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**SLAB-MONOLITHIC**

**HABITAT FOR HUMANITY CHARLOTTE**

**FILE:** Dupont_90 REVISED.dwg **FLOOR PLAN:** DWG DATE: **SHEET TITLE:** SLAB-MONOLITHIC **PLOT DATE:** Feb. 26, 16

**CONTACT:** CARRIE MASTO cmasto@habitatcharlotte.org
1. Maintain minimum floor joist clearance of 18" to grade and minimum dropped girders clearance of 12" to grade.
2. Dig continuous footing under all foundation walls; 6" minimum thickness.
3. All walls, including porches, must be inside set back lines.
4. No interior load bearing walls or point loads. All trusses bear on exterior walls. (Do not seek to two-story plans - CD-3 may still protect.)
5. Poured porches-porch floor foundation will be two (2) brick courses plus a rowlock higher than house foundation.
6. Sill anchors/anchor bolt installation-6'-0" O.C. & within 12" of corners, then doubled every 12'.
7. Front wall ONLY: Face brick w/ 8" CMU filled solid; 2" Ø rod anchors, 12" from corners; 6'-0" O.C.; 15" min. embedment.
8. Foundation vents within 3' of corners.
9. Crawl space door see Site Prep Supervisor for location.
10. Termite Treatment: Structure to be termite treated with BORATE when framing is complete (up to 5' on all LED homes).

**NOTE: PIER FOOTINGS CAN BE DUG AS SINGLE 20" TRENCH MINIMUM PIER FOOTING THICKNESS: 8"**
**CRAWL FRAMING NOTES:**

1. Long walls that run parallel with joists need a joist or blocking underneath. Place 2X10 blocking @ 3'-0" O.C.; consider plumbing when running extra joists.
2. Dimensions are to outside face or block & center of joist unless otherwise noted.
3. Use pressure treated lumber adjacent to all foundation brick and block material.

**FLOOR SYSTEMS:**

- "Historic B"
- 2X10 floor joists—top edges flush with girders & band joists; center plates dropped
- 2" double 2X12 girders; 2X10 band joists

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**EXAMPLE OF JOIST UNDER WALL THAT RUNS PARALLEL WITH JOIST**

**OUTSIDE FACE OF BAND**

**SET THIS DBL JOIST TO INSIDE TO CATCH WALL**

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**OUTSIDE FACE OF BAND**

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