1. Plans to be built per the 2018 North Carolina Residential Code.
2. All dimensions from face face of framing.
3. All wall studs are 2X4 unless otherwise noted.
5. 2" rigid insulation shall be used as water-resistant barrier. All seams and joints to be taped with 3" construction tape.
6. Face of sheathing @ exterior walls to align with face of masonry below.
7. All window locations to be determined on site unless otherwise dimensioned.
8. All windows and doors to be covered by porches and flashed.
9. All windows and doors shall have an overall U-Factor of .35 or less, and a SHGC of .30 or less.
10. Water resistant flooring shall be used in kitchen, bathroom(s), and laundry areas AND with 3 feet of all exterior doors.
11. Clothes dryer shall be exhausted directly to outdoors.
12. Drain and drain pan -OR- single throw supply valve shall be installed for clothes washer.
13. Water heater to be located in designated closet as shown; drain and drain pan shall be installed; drain shall lead directly to outdoors.
14. HVAC attic return to be located in hall ceiling.
15. Engineered roof trusses (by others) shall be installed 2'-0" O.C., in-line with framing below, shall bear on exterior walls ONLY (unless otherwise noted), have a raised heel, and 12" overhangs.
16. Any building face within 10' of property line requires protection behind aluminum & vinyl soffits per NCRC 2018 Section R302.1.1.
17. TERMITE TREATMENT: Treatment of all framing within 3' of foundation.
18. 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.
19. Seal external cracks, joints, etc. around windows and doors with caulking and install pest proof screens.
20. Provide minimum of 20' X 10' concrete driveway AND 4' sidewalk to front door.

**WALL HEADERS:**
- A: 36" Exterior Metal Entry Door
- B: 36" Exterior Metal Entry Door
- C: 24" Interior Door
- D: 32" Interior Door
- E: 18" Interior Door
- F: 30" Interior Door
- G: 28" Interior Door
- H: 36" Interior Door
- I: 36" Bi-hung Interior Door
- J: 48" Bi-hung Interior Door
- K: 60" Bi-hung Interior Door
- L: Windows/Doors

**DOOR SCHEDULE:**
- A: 2'-8"X4'-4"
- C: 2'-8"X3'-0"

**MEETS ALL EGRESS AND GLAZING REQUIREMENTS PER 2018 NC RES BLDG CODE**

**FLOOR PLAN**

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

**HABITAT FOR HUMANITY CHARLOTTE**

**FILE:** Dupont.dwg

**SHEET TITLE:** FLOOR PLAN

**PLOT DATE:** Jan. 11, 2019

**DWL DATE:** JAN 10, 2019

**PLOT DATE:** Jan. 11, 19

**SHEET #:** 1
Habitat for Humanity Charlotte

CONTACT: CARRIE MASTO cmasto@habitatcharlotte.org

FILE: Dupont.dwg  FLOOR PLAN: DWG  DATE: Jan. 11, 19

Habitat

SHEET TITLE: PLOT  DATE: Jan. 11, 19

DUPONT RIGHT

ELEVATIONS - 1 of 2

COLUMBUS RIGHT

COLUMN CAP DETAIL

TREATED 2X6 GUARDRAIL: 2X4 CAP
2X TREATED HANDRAIL
TREATED PICKETS 5" O.C., TYP
4X4 TREATED POST ANCH. TO BRICK STEP W/ 3" Ø EMBED ANCHOR BOLT

HANDRAIL/GUARD RAIL DETAIL

NOTE: CAULK AROUND 1X6 AT COLUMN CAP

COLUMN CAP ATTACHED TO 6X6 POST W/ (4) 3" SCREWS

8'-11"0' MAIN FIN. FLOOR

8'-11"0" SIDE ELEVATION

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

FRONT ELEVATION

FRONT ELEVATION

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

VINYL SHAKES INSTALLED OVER 1/2" OSB, HOUSE WRAP

VINYL SHAKES INSTALLED OVER 1/2" OSB, HOUSE WRAP

NOTE: VINYL PERFORATED SOFFIT @ EAVES

NOTE: J-CHANNEL VINYL SHAKES 3/4" ALUM. CAP

6X6 COL. ATTACHED TO BEAM THRU COL. CAP W/ (2) 3" SCREWS E.S. OF POST

6X6 COL. ATTACHED TO BEAM THRU COL. CAP W/ (2) 3" SCREWS E.S. OF POST

NOTE: 2X6 SIDE PORCH ROOF EXTENSION ATTACHED TO ROOF TRUSES, BUILT IN FIELD, SEE DETAIL

NOTE: 25 YR. FIBERGLASS SINGLE CLASS A CERTAINEED INSTALLED OVER 1/2" OSB. 15# FELT (INSTALL PER MANUFACTURERS WRITTEN INSTRUCTIONS)

16X16 BRICK COLUMN: SEE FOUNDATION PLANS FOR DETAILS

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

WRAPPED PORCH BEAM & PAINTED TAPERED COLUMN, BUILT IN FIELD

RIDG VENT WRAPPED PORCH BEAM & PAINTED TAPERED COLUMN, BUILT IN FIELD

2X6 SIDE PORCH ROOF EXTENSION ATTACHED TO ROOF TRUSES, BUILT IN FIELD, SEE DETAIL

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

RIDGE VENT

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

FRONT ELEVATION

SIDE ELEVATION

10'-0"

0'-0"
25 YR. FIBERGLASS SINGLE CLASS A CERTAINTED INSTALLED OVER 7/16 OSB, 15# FELT (INSTALL PER MANUFACTURERS WRITTEN INSTRUCTIONS)

2X6 SIDE PORCH ROOF EXTENSION ATTACHED TO ROOF TRUSES, BUILT IN FIELD, SEE DETAIL

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

RIDGE VENT

VINYL PERFORATED SOFFIT @ EAVES

SIDE ELEVATION

REAR ELEVATION
1. Dig continuous 16" wide footing under all foundation walls; 8" minimum thickness, per NCRC 2018 Table R403.1.
2. All walls, including porches, must be inside setback lines.
3. No interior load bearing walls or point loads. All trusses bear on exterior walls. (Do not apply to habitability plans, EOB, mud sill anchors)
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—See Details.
6. Foundation Strap Anchors: Simpson Strong-Tie MAS23 mud sill anchor, or equivalent, located within 12" of each corner, both sides of exterior doors, and a min. of every 32" O.C., 15" minimum embedment. Locate straps within 12" each side of splice, per NCRC 2018 R403.1.6.
7. Termite Treatment: Structure to be treated for termites 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: Simpson Strong-Tie MAB23 mud sill anchor, or equivalent, located within 12" of each corner, both sides of exterior doors, and a minimum of every 32" O.C., 15" minimum embedment. Locate straps within 12" each side of splice, per R403.1.6.
7. Termite Treatment: Structure to be treated for termites when framing is complete.
1. Wall Vented Crawl Space per NCRC 2018 R408.
2. Maintain minimum floor joist clearance of 18" to grade and minimum dropped girdler clearance of 12" to grade.
3. All walls, including porches, must be inside set back lines.
4. Dig continuous 16" wide footing under all foundation walls; 8" minimum thickness, per NCRC 2018 Table R403.1.
4.1. Pier footings to be 24" X 24" X 8" per NCRC 2018 Table R403.1a.
5. No interior load bearing walls or point loads. All trusses bear on exterior walls. (Does not apply to two story plans or multi-family projects)
6. Poured porches porch floor foundation will be two (2) brick courses plus a rowlock higher than house foundation.
7. Sill anchors/anchor bolt installation: 2 Ø J-bolts, 6" O.C. & within 12" of corners, then doubled every 12", per NCRC 2018 R403.1.6 & R602.11.
8. Minimum 6 mil. polyethylene vapor retarder, joints lapped not less than 12", per NCRC 2018 R408.2.
9. 8" X 16" foundation vents to be located within 3' of corners, per NCRC 2018 R408.1.2.
10. Crawl space door- Minimum 18" X 24" access opening per NCRC 2018 R408.8; finished grade to determine access location, see Site Prep. Supervisor.
11. Termite Treatment: Structure to be treated for termites when framing is complete.
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 SYSTEM:**
- Mud sill: 2X6 pressure treated lumber attached to foundation walls using pre-placed ½" J-bolts, washer, and nut.
- Band Joists: 2X10 #1 or better grade Southern Pine.
- Girders: (2) 2X12 #1 or better grade Southern Pine per NCRC 2018 R502.5, R602.7(1), R602.7(2), and R602.7(3).
- Floor Joists: 2X10 #2 Southern Pine per NCRC 2018 Table R502.3.1(1) and R502.3.1(2)
  - Top edges flush with girders & band joists; center pliers dropped 2".
  - Joists to be framed into the side of wood girder and supported on ledger strips not less than nominal 2"X2" per NCRC 2018 R502.6.2.
- Floor Sheathing: 4'X8'X 3/4" T&G plywood, installed perpendicular to floor joists, fastened with 8d common nails.
1. Plans to be built per the 2018 North Carolina Residential Code.
2. All dimensions from face of framing.
3. All wall studs are 2X4s unless otherwise noted.
5. All wall studs are 2X4s unless otherwise noted.
6. Face of sheathing @ exterior walls to align with face of masonry below.
7. All window locations to be determined on site unless otherwise dimensioned.
8. All dimensions from face of framing.
9. All windows and doors shall have an overall U-Factor of .35 or less, and a SHGC of .30 or less.
10. Water resistant flooring shall be used in kitchens, bathrooms, and laundry areas AND %3 of all exterior doors.
11. All windows and doors to be covered by porch and flashed.
12. Drain and drain pan -OR- single throw supply valve shall be installed for clothes washer.
13. Water heater to be located in designated closet as shown; drain and drain pan shall be installed; drain shall lead directly to outdoors.
14. HVAC attic return to be located in hall ceiling.
15. Engineered roof trusses (by others) shall be installed 2'-0" O.C., in-line with framing below.
16. Provide minimum of 20' X 10' concrete driveway AND sidewalk to front door.
17. TERMITE TREATMENT: Treatment of all framing within 3' of foundation.
18. 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.
19. Seal internal cracks, joints, etc. around windows and doors with caulking and install pest proof screens.
20. Provide minimum of 40' X 10' concrete drive and sidewalks.
Habitat for Humanity Charlotte

Contact: Carrie Masto cmasto@habitatcharlotte.org

File: Dupont.dwg Floor Plan: Dupont Left

Date: Jan. 11, 2019

Section: Dupont Left

1. **Front Elevation**
   - Front porch roof extension: Attached to roof trusses, built in field, see detail.
   - J-channel vinyl shakes installed over 7/16" OSB, house wrap.
   - Ridge vent wrapped porch beam & painted.
   - Tapered column, built in field.
   - 16x16 brick column: See foundation plans for details.

2. **Side Elevation**
   - 25 yr. fiberglass single class A CertainTeed installed over 7/16" OSB, 15# felt (install per manufacturer's written instructions).
   - Vinyl shakes installed over 1/2" OSB, house wrap.
   - Vinyl lap siding w/ trim (typ) installed over wall sheathing (install per manufacturer's written instructions).

3. **Column Cap Detail**
   - Handrails & guardrails: shall comply with NCRC 2018 section(s) R311 & 311.
   - Handrail: Treated 2x6 guardrail w/ 2x4 cap.
   - 2x treated handrail.
   - Treated pickets 2" O.C., TYP.
   - 4x4 treated post anch. to brick step w/ 2" Ø embed anchor bolt.

4. **Handrail/Guard Rail Detail**
   - Handrails & guardrails: shall comply with NCRC 2018 section(s) R311 & 311.
   - Column cap detail.

Note: Wooden handrail/guard rail as required, must meet code. See detail this page.

See Detail 3, this page (typ).
25 YR. FIBERGLASS SINGLE CLASS A CERTAINEED INSTALLED OVER 7/16" OSB, 15# FELT (INSTALL PER MANUFACTURERS WRITTEN INSTRUCTIONS)

2X6 SIDE PORCH ROOF EXTENSION ATTACHED TO ROOF TRUSES, BUILT IN FIELD, SEE DETAIL

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

VINYL PERFORATED SOFFIT @ EAVES
1. Dig continuous 16" wide footing under all foundation walls; 8" minimum thickness, per NCRC 2018 Table R403.1.
2. All walls, including porches, must be inside setback lines.
3. No interior load bearing walls or point loads. All trusses bear on exterior walls. (Do not apply to历史性平面图Drawing Number 1)
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—See Details.
6. Foundation Strap Anchors: Simpson Strong-Tie MA823 mud sill anchor, or equivalent, located within 12" of each corner, both sides of exterior doors, and a min. of every 32" O.C., 15" minimum embedment. Locate straps within 12" each side of splice, per NCRC 2018 R403.1.6.
7. Termite Treatment: Structure to be treated for termites 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: Simpson Strong-Tie MA23 mud sill anchor, or equivalent, located within 12" of each corner, both sides of exterior doors, and a minimum of every 32" O.C., 15" minimum embedment. Locate straps within 12" each side of splice, per R403.1.6.
7. Termite Treatment: Structure to be treated for termites when framing is complete.
1. Wall Vented Crawl Space per NCRC 2018 R408.
2. Maintain minimum floor joist clearance of 18" to grade and minimum dropped girder clearance of 12" to grade.
3. All walls, including porches, must be inside set back lines.
4. Dig continuous 16" wide footing under all foundation walls; 8" minimum thickness, per NCRC 2018 Table R403.1.
4.1. Pier footings to be 24" X 24" X 8" per NCRC 2018 Table R403.1a.
5. No interior load bearing walls or point loads. All trusses bear on exterior walls. (Does not apply to historical plans.
6. Poured porches-porch floor foundation will be two (2) brick courses plus a rowlock higher than house foundation.
7. Sill anchors/anchor bolt installation: 2 Ø J-bolts, 6'-0" O.C. 6 within 12" of corners, then doubled every 12", per NCRC 2018 R403.1.6 & R602.11.
8. Minimum 6 mil. polyethylene vapor retarder, joints lapped not less than 12", per NCRC 2018 R408.2.
9. 8" X 16" foundation vents to be located within 3' of corners, per NCRC 2018 R408.1.2.
10. Crawl space door-Minimum 18" X 24" access opening per NCRC 2018 R408.8; finished grade to determine access location, see Site Prep Supervisor.
11. Termite Treatment: Structure to be treated for termites when framing is complete.
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 SYSTEM:
- Mud sill: 2X6 pressure treated lumber attached
to foundation walls using pre-placed 3/4 Ø
  J-bolts, washer, and nut.
- Band Joists: 2X10 #1 or better grade Southern
  Pine.
- Girders: (2) 2X12 #1 or better grade Southern
  Pine per NCRC 2018 R502.5, R602.7(1),
  R602.7(2), and R602.7(3).
- Floor Joists: 2X10 #2 Southern Pine per NCRC
  2018 Table R502.3.3(1) and R502.3.3(2)
  • Top edges flush with girders & band
  joists; center elders dropped 2".
  • Joists to be framed into the side of wood
  girder supported on ledger strips not
  less than nominal 2"X2" per NCRC 2018
  R502.6.2.
- Floor Sheathing: 4'X8'X3/4 T&G plywood,
  installed perpendicular to floor joists, fastened
  with 8d common nails.
Exterior Walls: 2x4s @ 24" O.C.

Interior Walls: 2x4s @ 24" O.C.

- No interior load bearing walls or point loads. All trusses bear on exterior walls.

Note: House to be treated with termite treatment when framing is complete. See "Foundation Plans" for more information.

Habitat for Humanity Charlotte
FILE: WALL SECTIONS 2018.dwg
FLOOR PLAN: DWG
DATE: Jan. 11, 19
SHEET TITLE: HISTORIC B SLAB
PLOT DATE: Jan. 11, 19
Exterior Walls: 2x4s @ 24" O.C.
Interior Walls: 2x4s @ 24" O.C.
- No interior load bearing walls or point loads. All trusses bear on exterior walls.

This house shall not be constructed on a site where finished face of exterior walls is less than 5' from property lines.
Exterior Walls: 2x4s @ 24" O.C.
Interior Walls: 2x4s @ 24" O.C.

No interior load bearing walls or point loads. All trusses bear on exterior walls.

* House to be treated with termite treatment when framing is complete. See "Foundation Plans" for more information.

Note: This house shall not be constructed on a site where finished face of exterior walls is less than 5' from property lines.