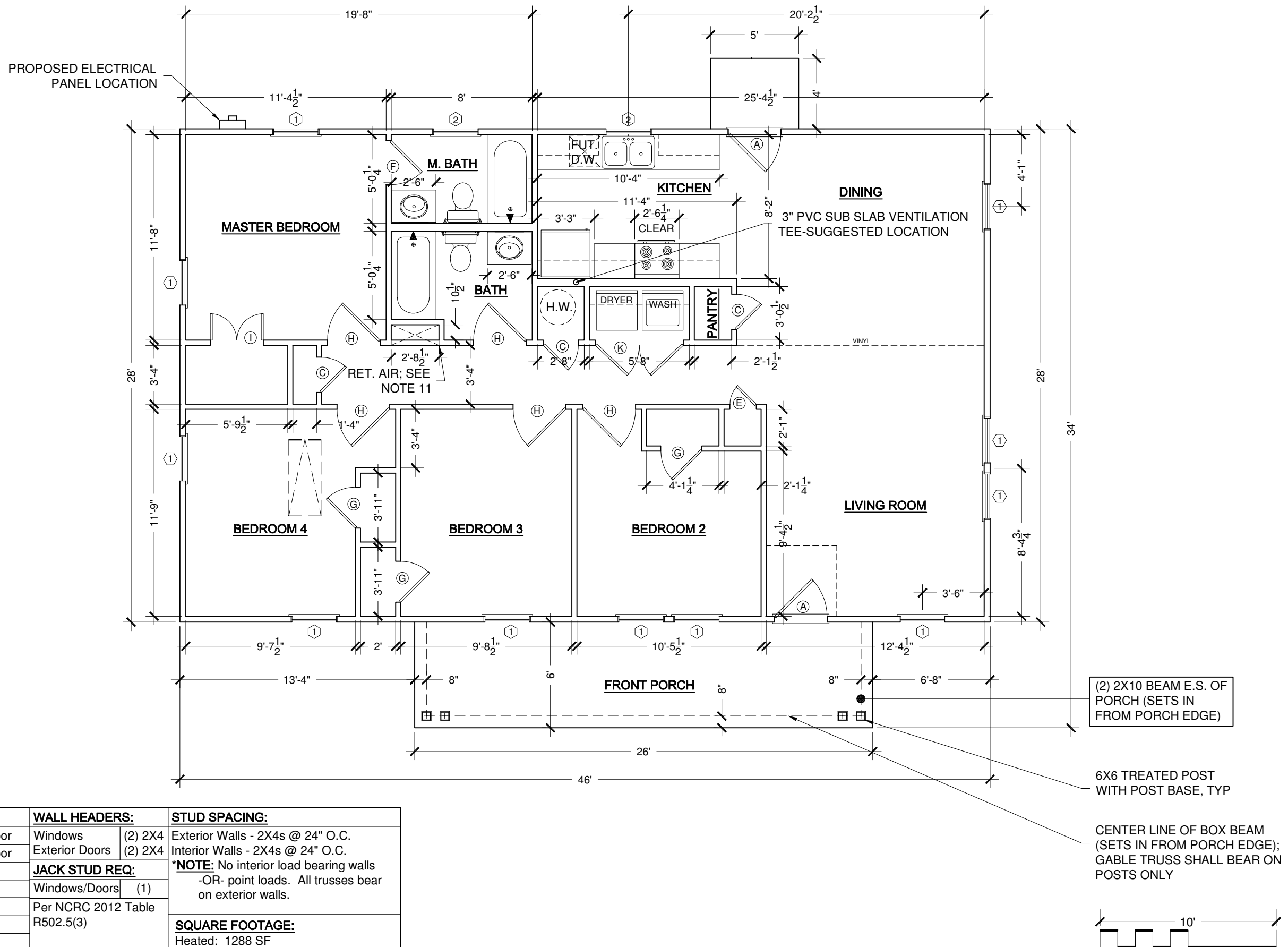




1. All dimensions to exterior face of sheathing @ exterior walls.
2. All wall studs are 2X4 unless otherwise noted.
3. Bracing Method: CS-WSP (Continuous Sheathing-Wood Structural Panel)
4. $\frac{1}{2}$ " rigid insulation shall be used as water-resistive barrier per ESR-2142 Sect. 4.3. All seams and joints to be taped with 2 $\frac{7}{8}$ " 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** w/in 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 manfr'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.

WINDOW SCHEDULE:	DOOR SCHEDULE:		WALL HEADERS:		STUD SPACING:
1. 2'-8"x4'-4" 2. 2'-8" X 3'0" Meets all egress and glazing requirements per 2012 NC RES BLDG Code	(A)	36" Exterior Metal Entry Door	Windows	(2) 2X4	Exterior Walls - 2X4s @ 24" O.C. Interior Walls - 2X4s @ 24" O.C. *NOTE: No interior load bearing walls -OR- point loads. All trusses bear on exterior walls.
	(B)	32" Exterior Metal Entry Door	Exterior Doors	(2) 2X4	
	(C)	24" Interior Door	JACK STUD REQ:		
	(D)	32" Interior Door	Windows/Doors	(1)	SQUARE FOOTAGE: Heated: 1288 SF Unheated: 164 SF (covered porches)
	(E)	18" Interior Door	Per NCRC 2012 Table R502.5(3)		
	(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			



FILE: Dupont_90_REVISED.dwg
FLOOR PLAN: DUPONT_90 RIGHT DWG DATE: FEB 26, 2016
SHEET TITLE: FLOOR PLAN PLOT DATE: Feb. 26, 16

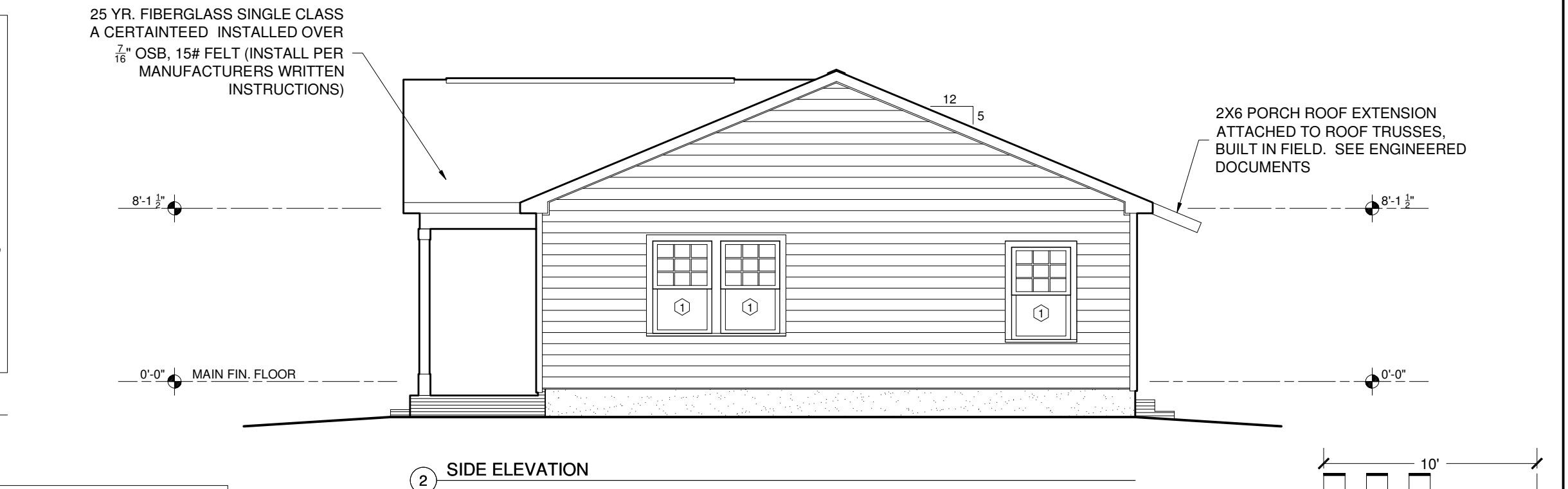


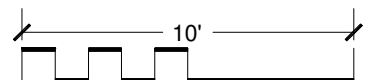
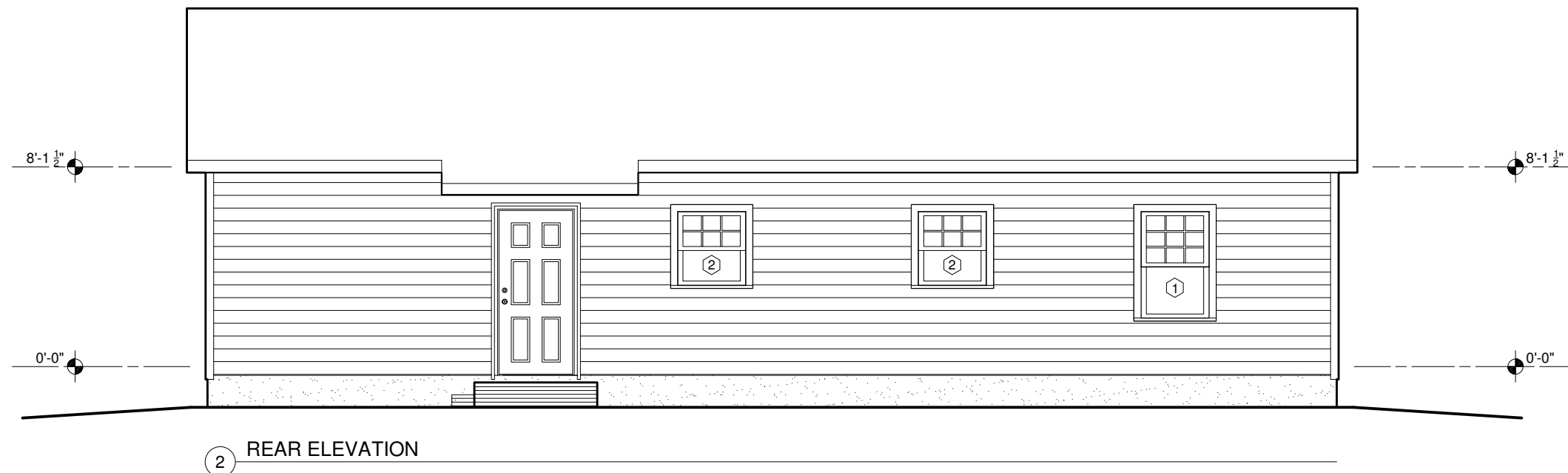
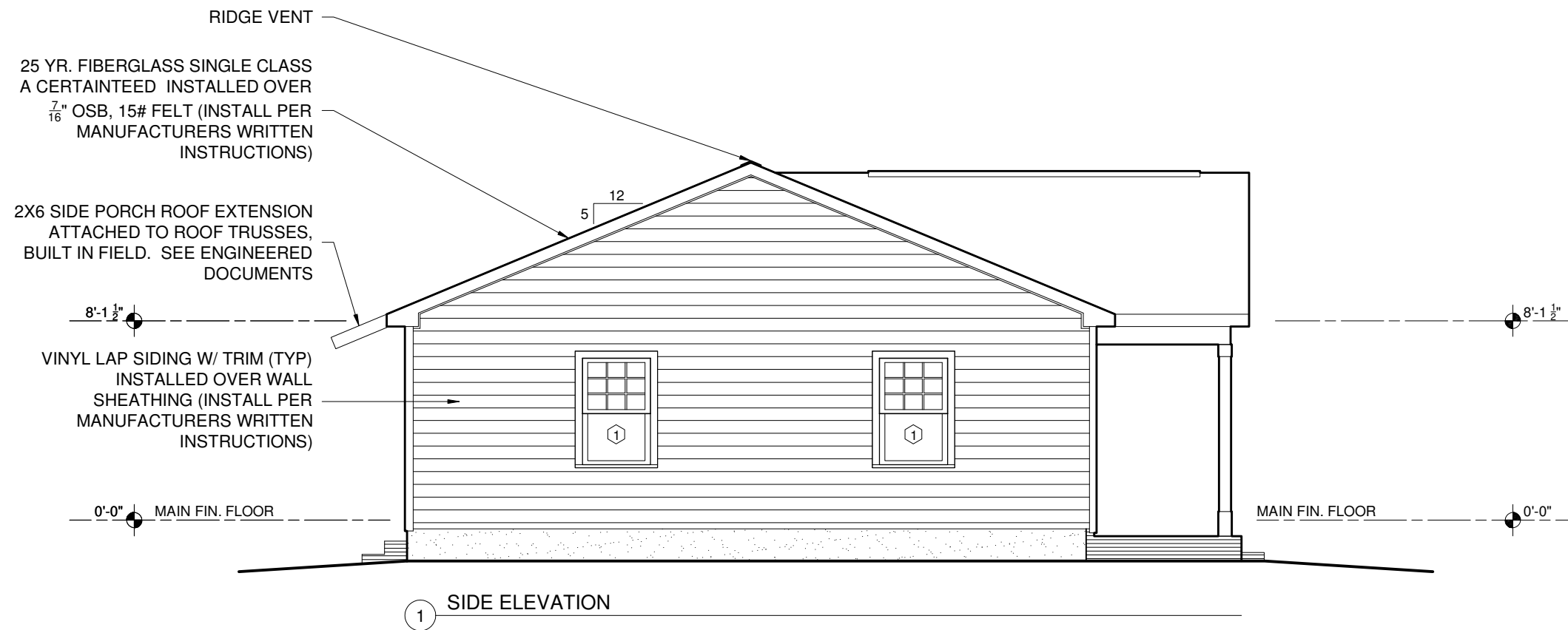
SHEET #:

1



1. **Handrails & Guardrails:** 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 RIGHT DWG DATE: FEB 26, 2016
SHEET TITLE: ELEVATIONS-2 of 2 PLOT DATE: Feb. 26, 16

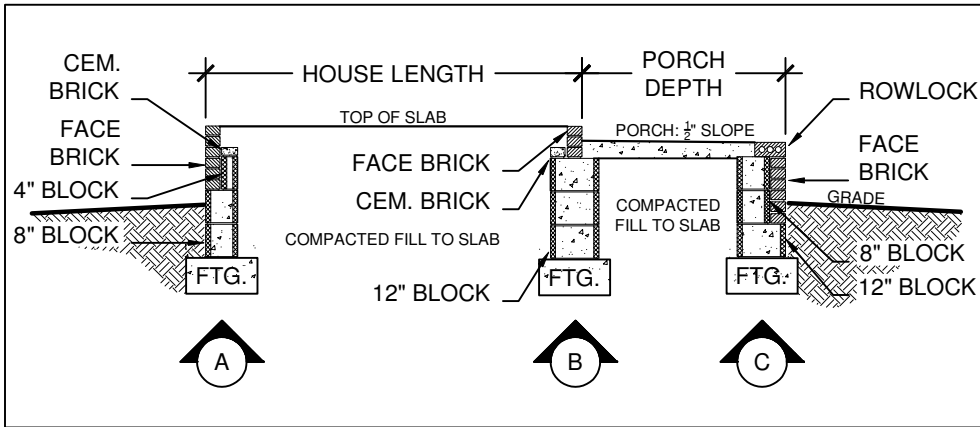
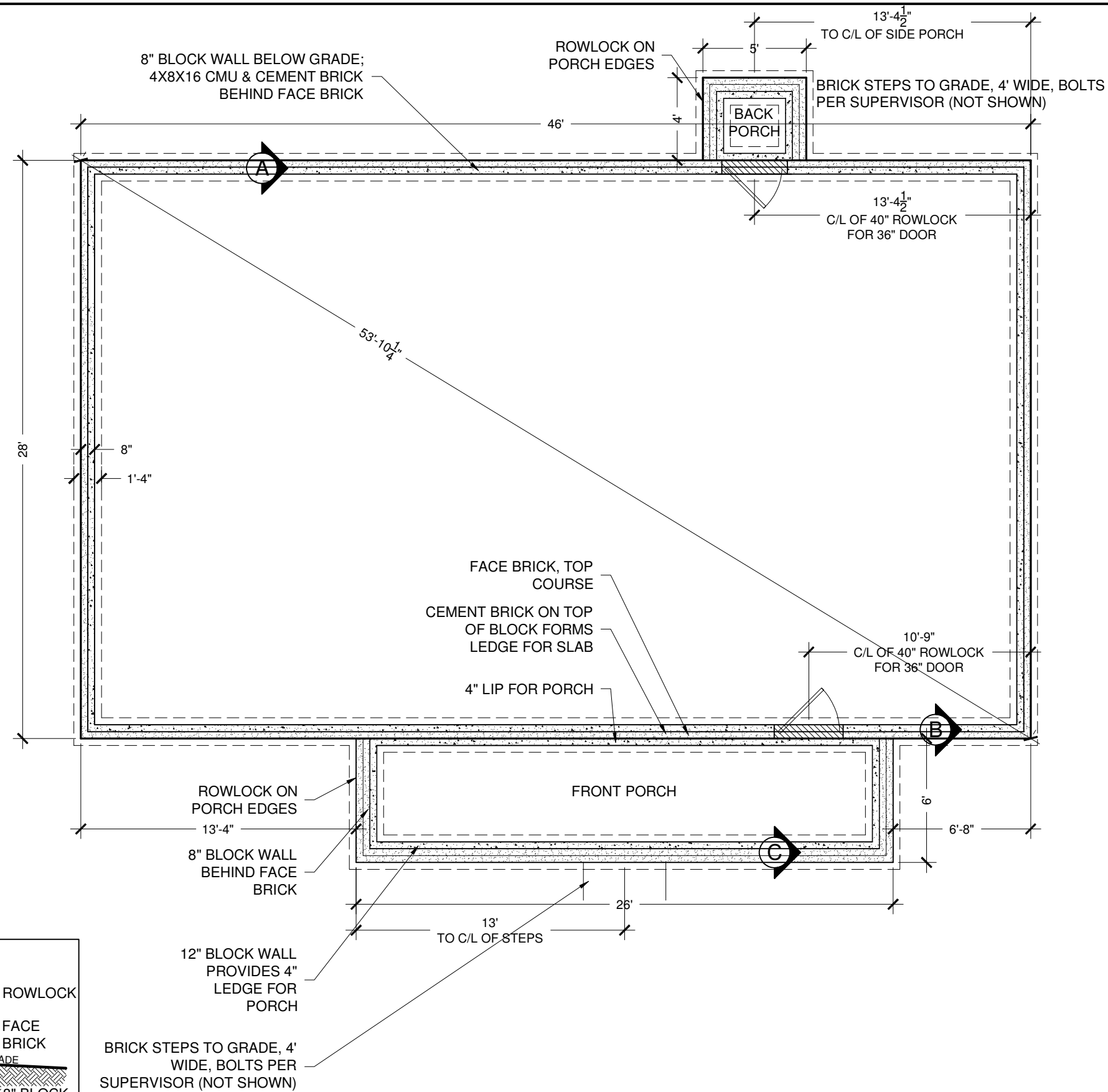


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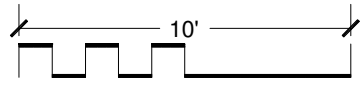
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**HISTORIC "A" SLAB
FOUNDATION NOTES:**

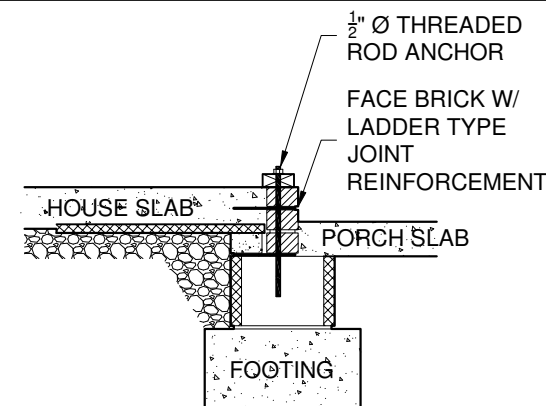
1. Keep foundation walls at least 12" tall to keep wood members off the ground.
2. Dig continuous footing under all foundation walls; 8" minimum thickness.
3. All walls, including porches, must be inside set back lines.
4. No interior load bearing walls or point loads. All trusses bear on exterior walls. (**Does not apply to 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. **Anchor Bolts:** 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.



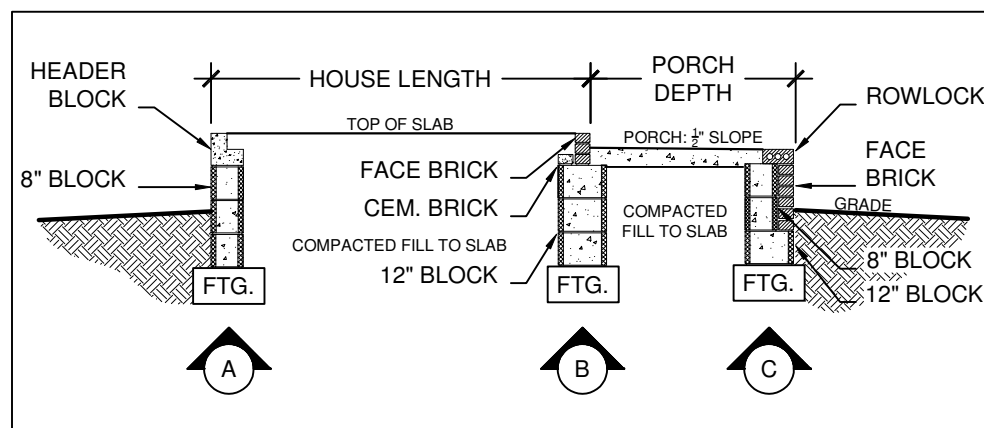
SLAB HISTORIC A FOUNDATION DETAILS CROSS SECTION
NOT TO SCALE; FINAL GRADE DETERMINES FOUNDATION AND PORCH HEIGHTS



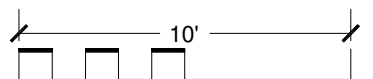
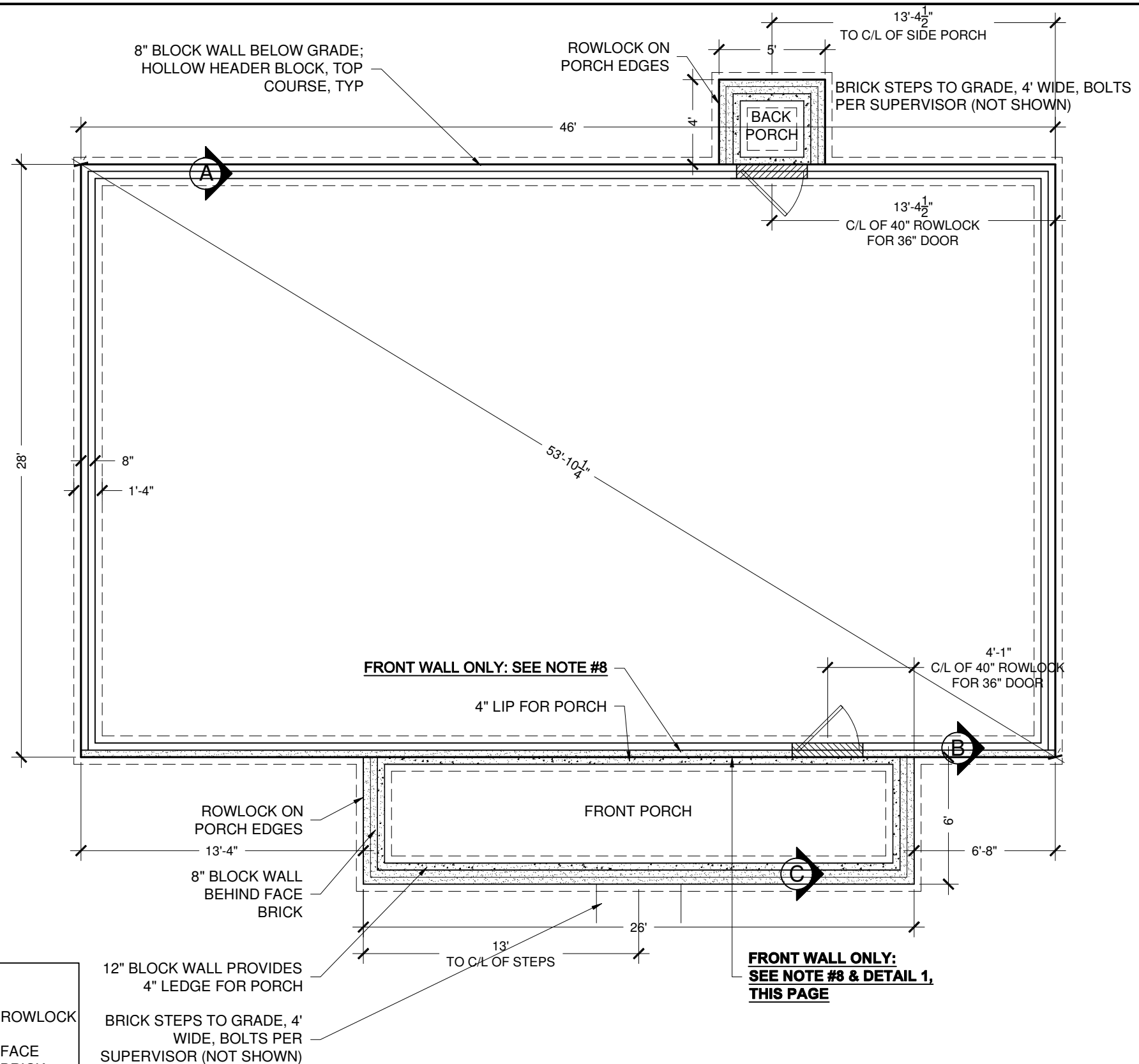
1. Keep foundation walls at least 12" tall to keep wood members off the ground.
2. Dig continuous footing under all foundation walls; 8" minimum thickness.
3. All walls, including porches, must be inside set back lines.
4. No interior load bearing walls or point loads. All trusses bear on exterior walls. **(Does not apply to 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; $\frac{1}{2}$ " Ø 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.



1 FRONT WALL FOUNDATION DTL.
NOT TO SCALE



SLAB HISTORIC B FOUNDATION DETAILS CROSS SECTION
NOT TO SCALE; FINAL GRADE DETERMINES FOUNDATION AND PORCH HEIGHTS



FILE: Dupont_90_REVISED.dwg	
FLOOR PLAN: DUPONT_90 RIGHT	DWG DATE: FEB 26, 2016
SHEET TITLE: SLAB-HISTORIC B	PLOT DATE: Feb. 26, 16

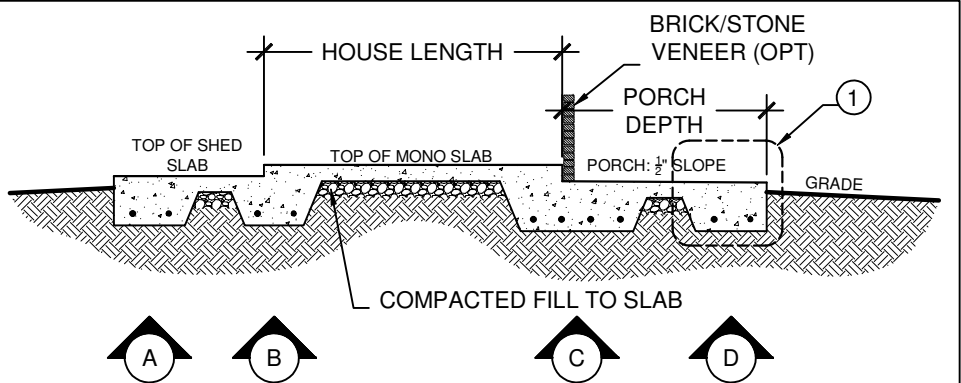
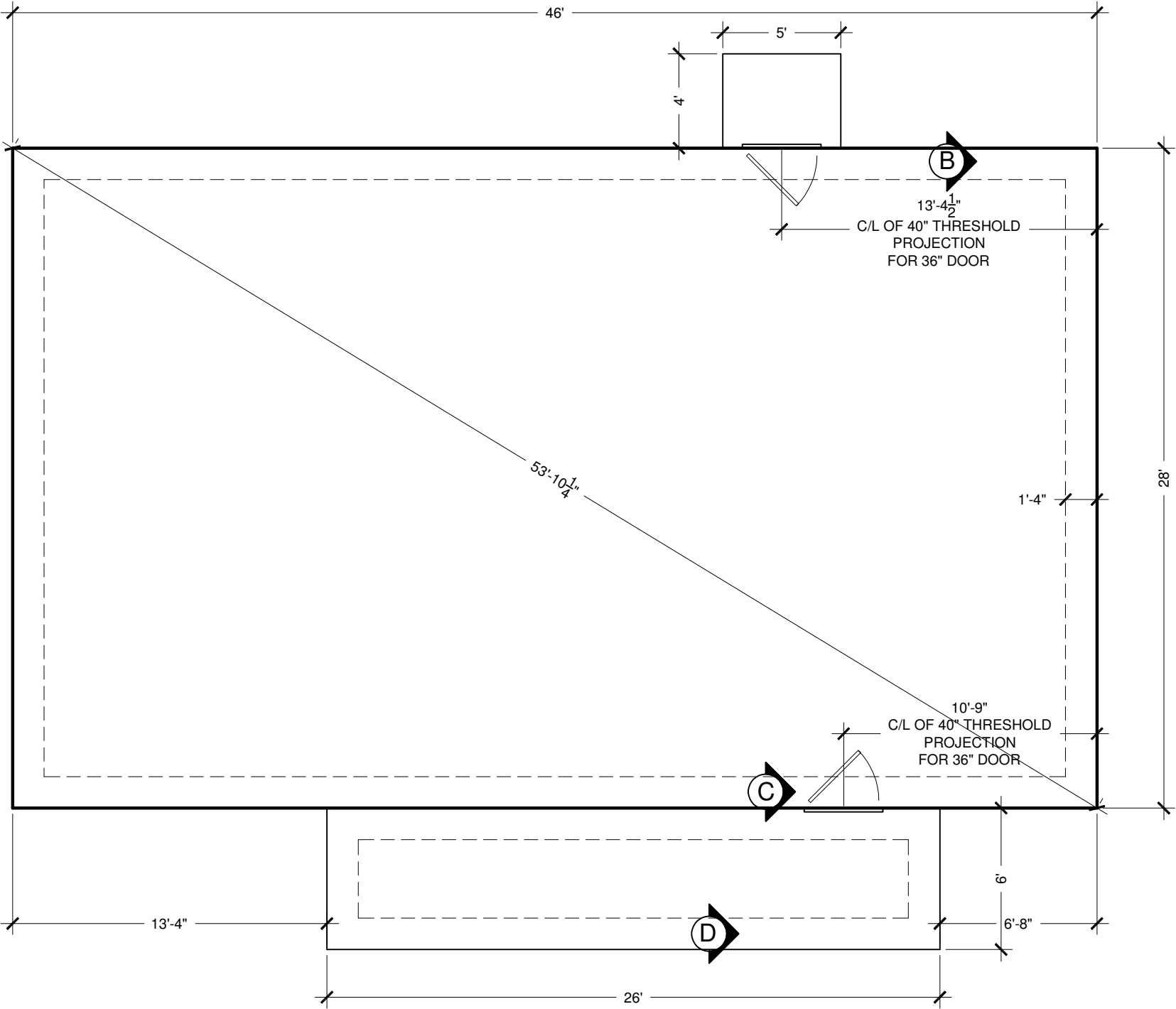


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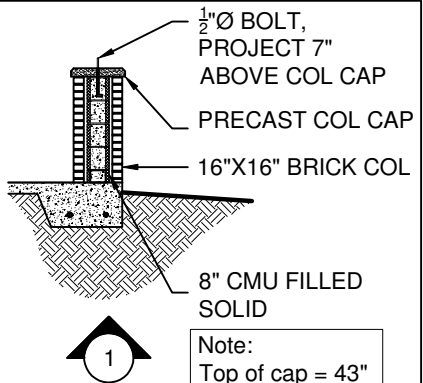
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**MONOLITHIC SLAB
FOUNDATION NOTES:**

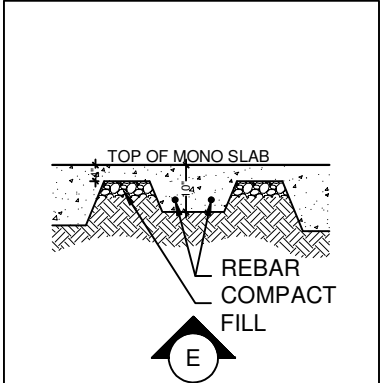
1. Dig continuous footing under all foundation walls; 8" minimum thickness, with (2) #4 rebars, continuous, on supports, @ 4'-0" O.C. max.
2. All walls, including porches, must be inside set back lines.
3. See plan for thickened slab/load bearing interior wall locations (if applicable): 10" deep x 18" 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.



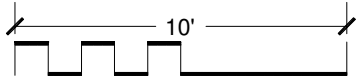
MONOLITHIC SLAB FOUNDATION DETAILS CROSS SECTION
NOT TO SCALE; FINAL GRADE DETERMINES FOUNDATION AND PORCH HEIGHTS



BRICK/STONE COLUMN CROSS SECTION, IF APPLICABLE



THICKENED SLAB CROSS SECTION



HABITAT FOR HUMANITY CHARLOTTE
CONTACT: CARRIE MASTO cmasto@habitatcharlotte.org

FILE: Dupont_90_REVISED.dwg
FLOOR PLAN: DUPONT_90 RIGHT DWG DATE: FEB 26, 2016
SHEET TITLE: SLAB-MONOLITHIC PLOT DATE: Feb. 26, 16

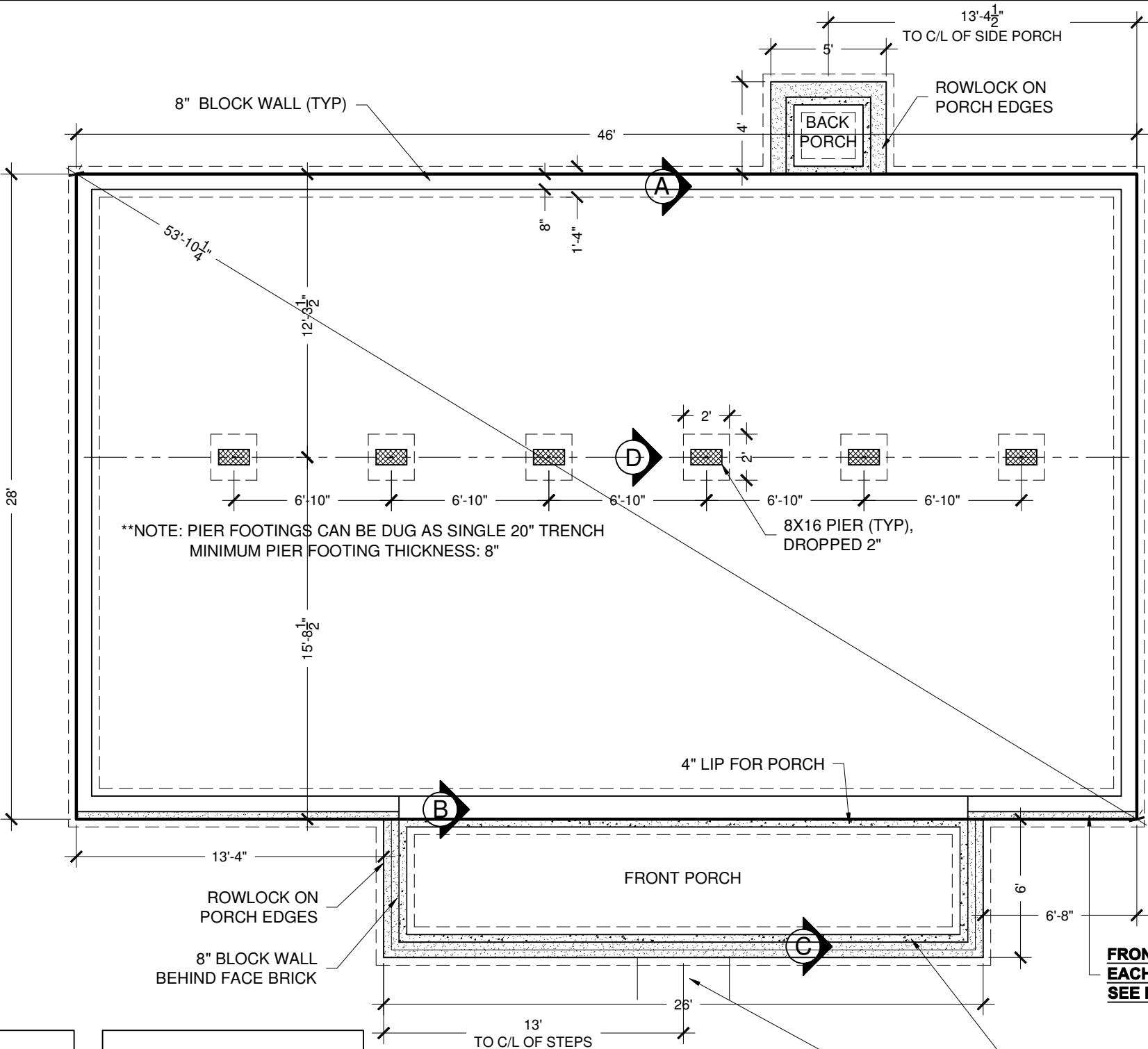


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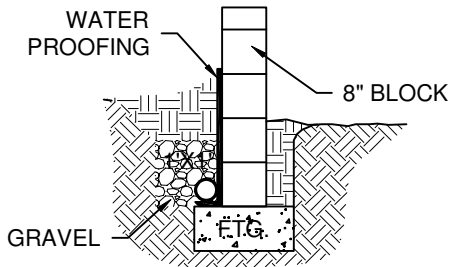
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**HISTORIC "B" CRAWL
FOUNDATION NOTES:**

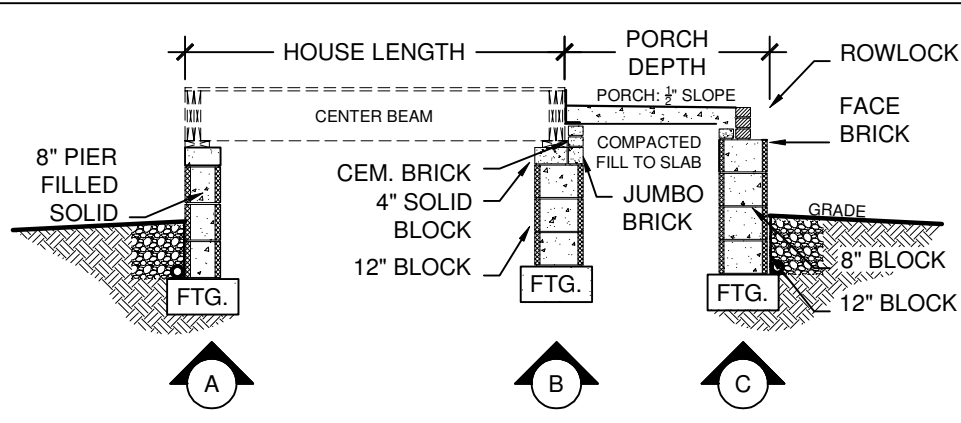
1. Maintain minimum floor joist clearance of 18" to grade and minimum dropped girder clearance of 12" to grade.
2. Dig continuous footing under all foundation walls; 8" minimum thickness.
3. All walls, including porches, must be inside set back lines.
4. No interior load bearing walls or point loads. All trusses bear on exterior walls. (**Does not apply to two-story 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; $\frac{1}{2}$ " \varnothing 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 3' on all LEED homes**).



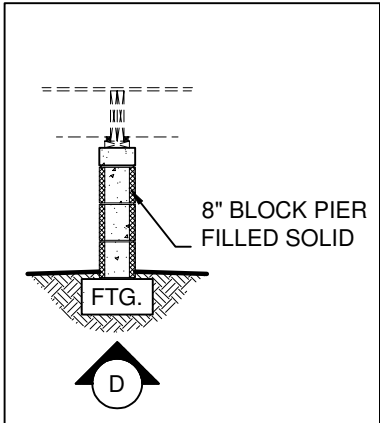
**FRONT WALL ONLY;
EACH SIDE OF PORCH:
SEE NOTE #7**



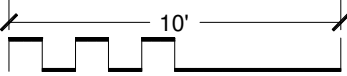
HIST B FOUNDATION DETAIL
NOT TO SCALE



CRAWL HISTORIC B FOUNDATION DETAILS CROSS SECTION
NOT TO SCALE; FINAL GRADE DETERMINES FOUNDATION AND PORCH HEIGHTS



**CRAWL HISTORIC B CENTER
PIER CROSS SECTION**



HABITAT FOR HUMANITY CHARLOTTE
CONTACT: CARRIE MASTO cmasto@habitatcharlotte.org
FILE: Dupont_90_REVISIED.dwg
FLOOR PLAN: DUPONT_90 RIGHT DWG DATE: FEB 26, 2016
SHEET TITLE: CRAWL-HISTORIC B PLOT DATE: Feb. 26, 16

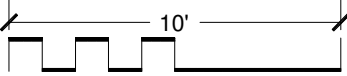
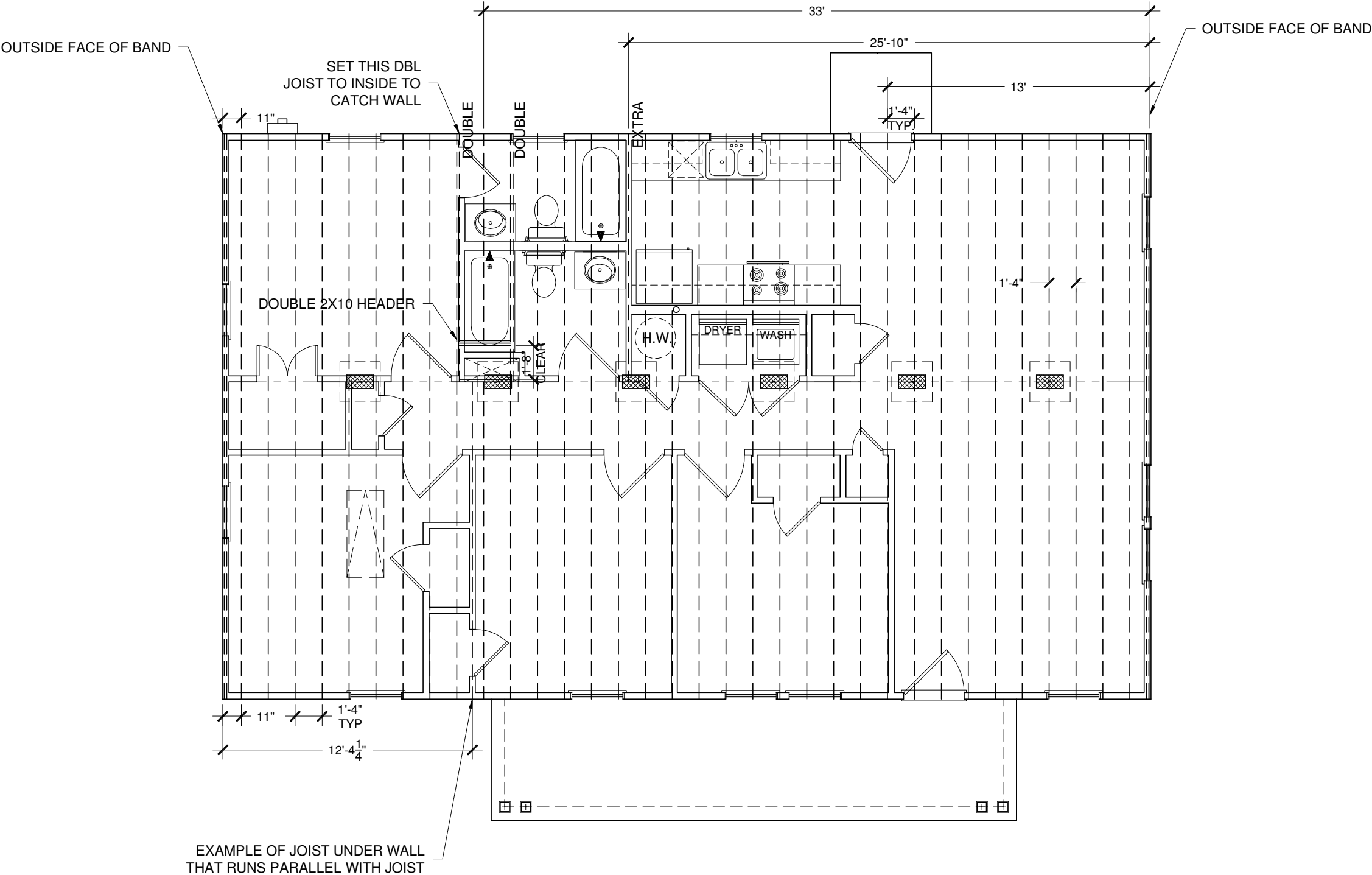


CRAWL FRAMING NOTES:

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 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 piers dropped 2"**; double 2X12 girders; 2X10 band joists



GENERAL NOTES:

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. $\frac{1}{2}$ " rigid insulation shall be used as water-resistive barrier per ESR-2142 Sect. 4.3. All seams and joints to be taped with $2\frac{7}{8}$ " 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** w/in 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 man'rs 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.

NOTES APPLICABLE TO LEED HOMES ONLY:

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.

WINDOW SCHEDULE:

1. 2'-8"X4'-4"
 2. 2'-8" X 3'0"
- Meets all egress and glazing requirements per 2012 NC RES BLDG Code

DOOR SCHEDULE:

- | | |
|-----|-------------------------------|
| (A) | 36" Exterior Metal Entry Door |
| (B) | 32" 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 |

WALL HEADERS:

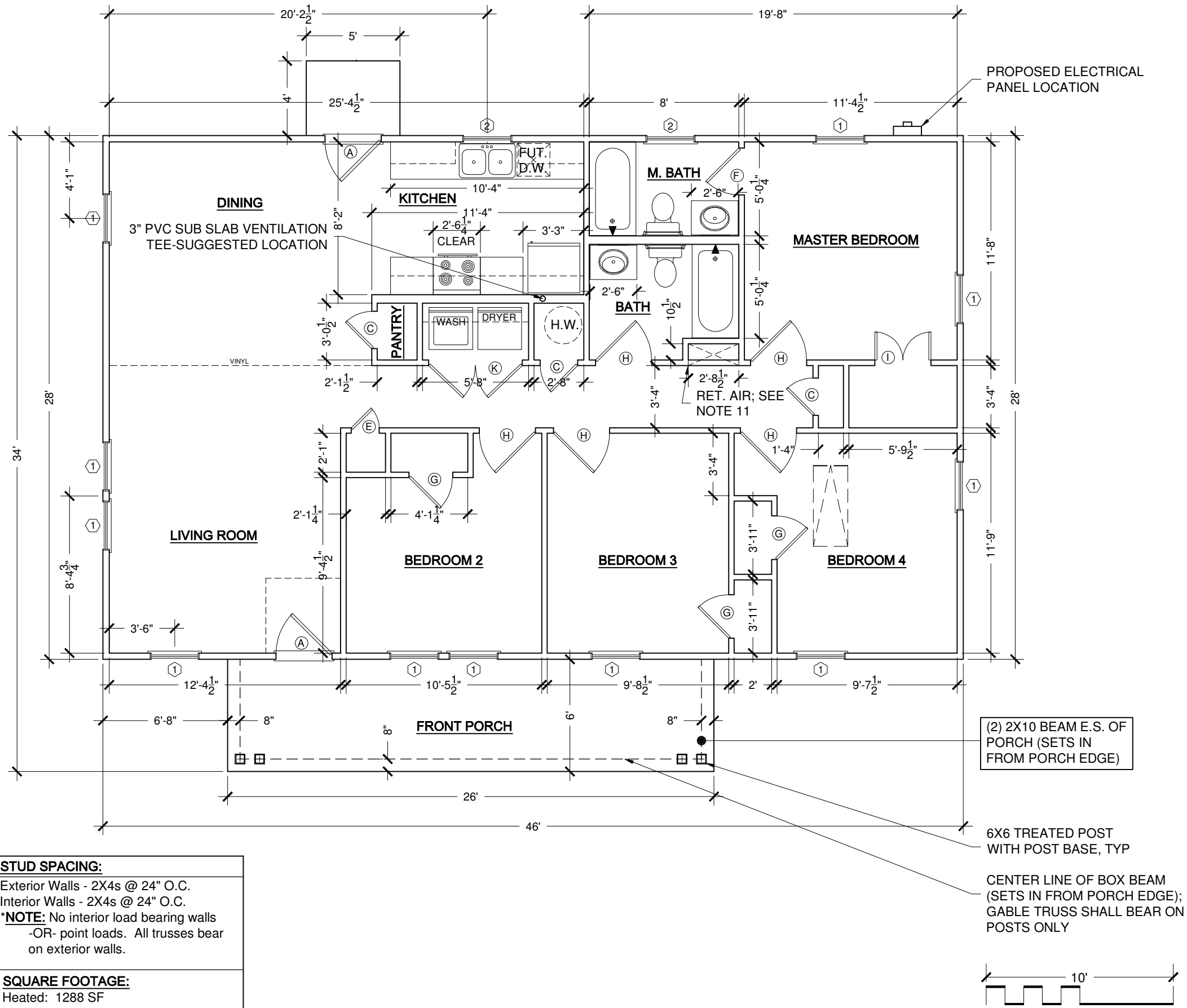
- | | |
|-------------------------------|---------|
| Windows | (2) 2X4 |
| Exterior Doors | (2) 2X4 |
| JACK STUD REQ: | |
| Windows/Doors | (1) |
| Per NCRC 2012 Table R502.5(3) | |

STUD SPACING:

- Exterior Walls - 2X4s @ 24" O.C.
Interior Walls - 2X4s @ 24" O.C.
***NOTE:** No interior load bearing walls -OR- point loads. All trusses bear on exterior walls.

SQUARE FOOTAGE:

- Heated: 1288 SF
Unheated: 164 SF (covered porches)



HABITAT FOR HUMANITY CHARLOTTE

CONTACT: CARRIE MASTO cmasto@habitatcharlotte.org

FILE: Dupont_90_REVISED.dwg

FLOOR PLAN: DUPONT_90 LEFT

SHEET TITLE: FLOOR PLAN

DWG DATE: FEB 26, 2016

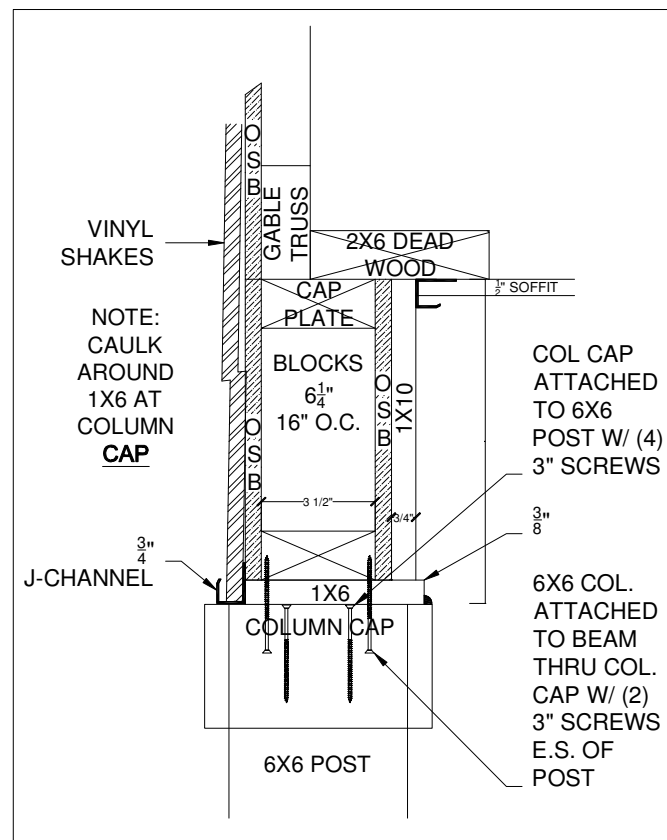
PLOT DATE: Feb. 26, 16



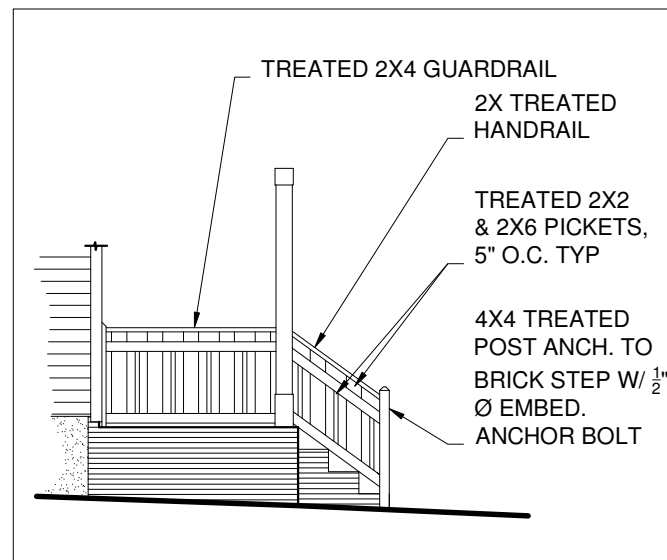
Habitat
for Humanity®
Charlotte

SHEET #:

9



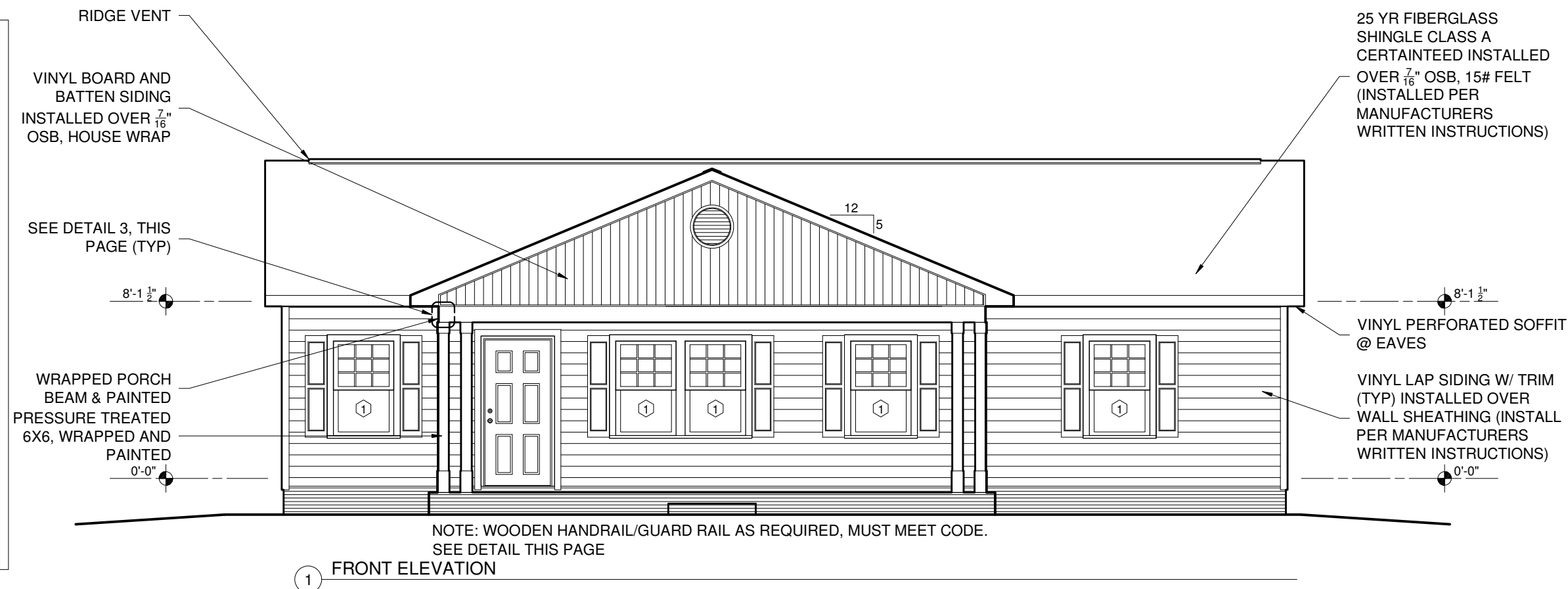
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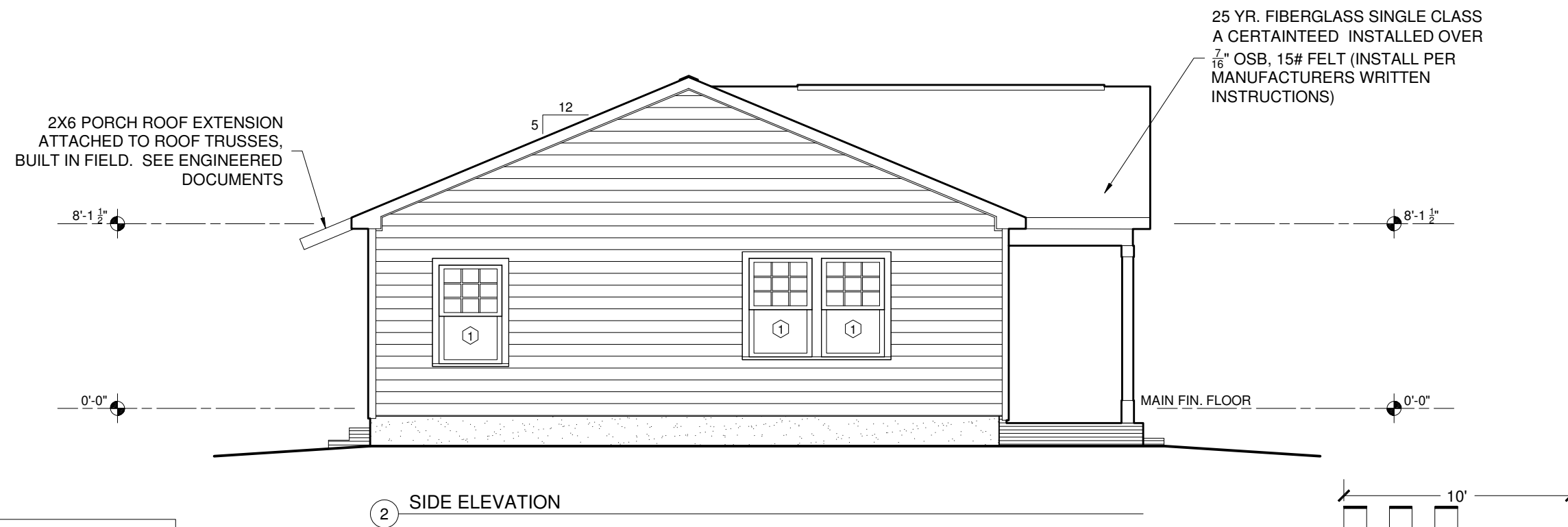
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ELEVATION NOTES:

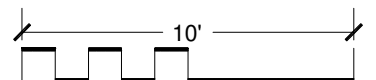
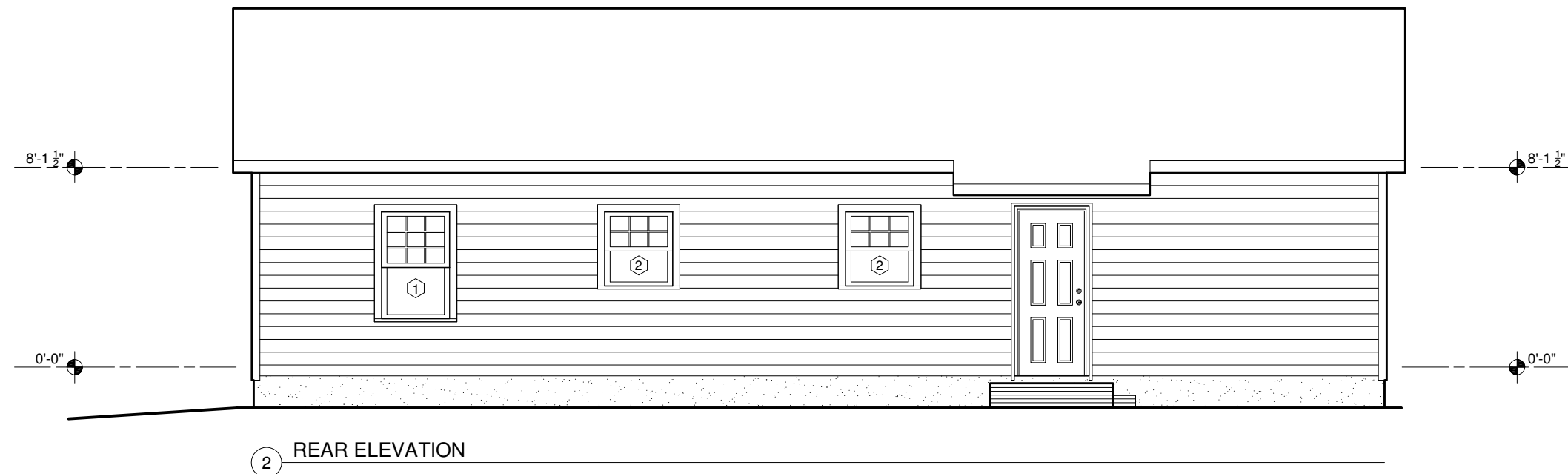
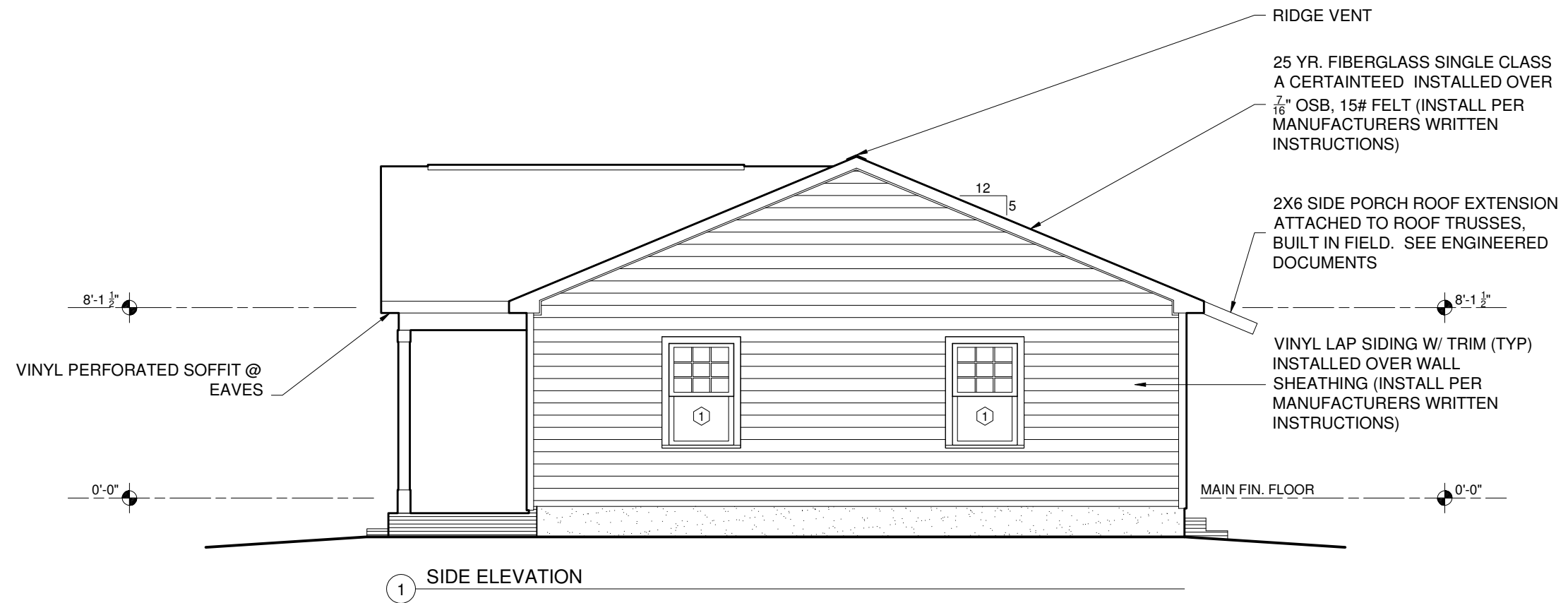
1. **Handrails & Guardrails:** Shall comply with NCRC 2012 Edition Section(s) R311 and R312
2. "Historic B" Foundation ONLY: Brick foundation on front of house/porch ONLY (See foundation plan for details)



1 FRONT ELEVATION

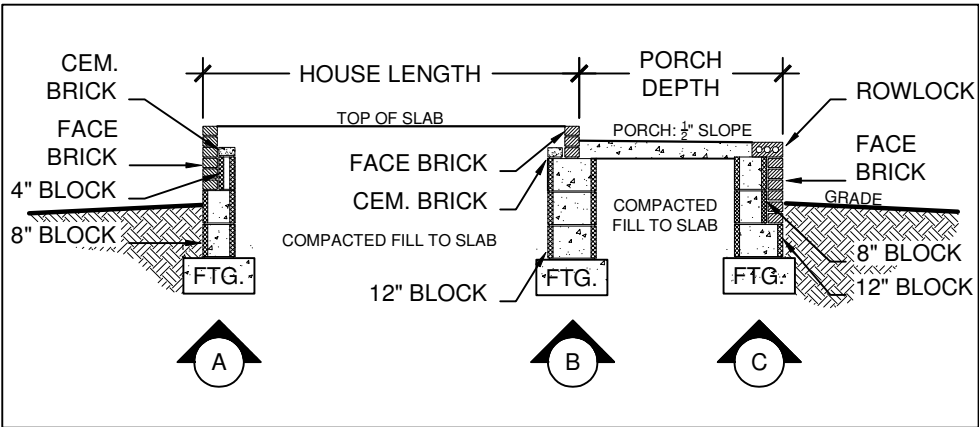
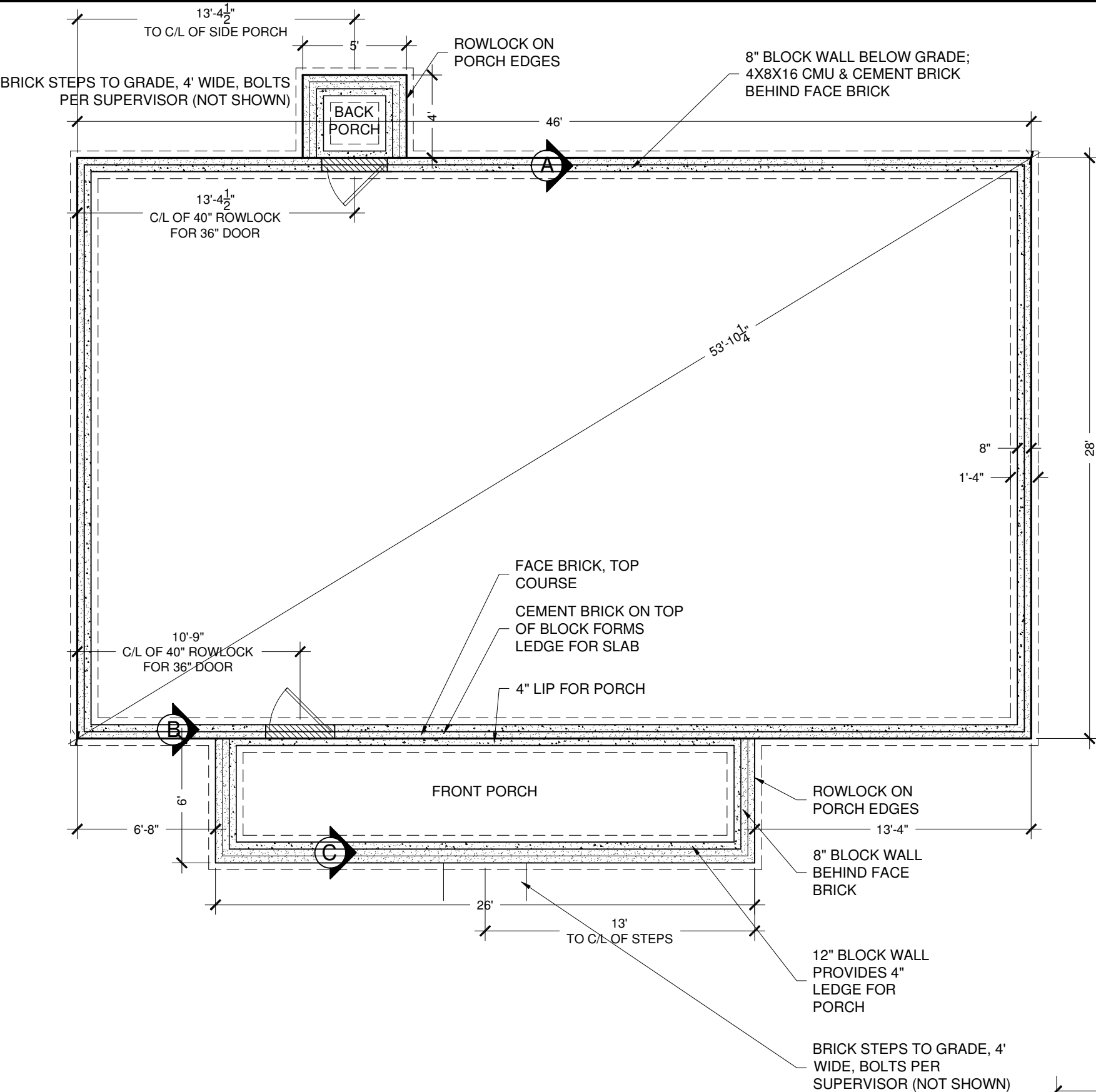


2 SIDE ELEVATION



**HISTORIC "A" SLAB
FOUNDATION NOTES:**

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 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. **Anchor Bolts:** 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.



SLAB HISTORIC A FOUNDATION DETAILS CROSS SECTION
NOT TO SCALE; FINAL GRADE DETERMINES FOUNDATION AND PORCH HEIGHTS

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
SHEET TITLE: SLAB-HISTORIC A PLOT DATE: Feb. 26, 16

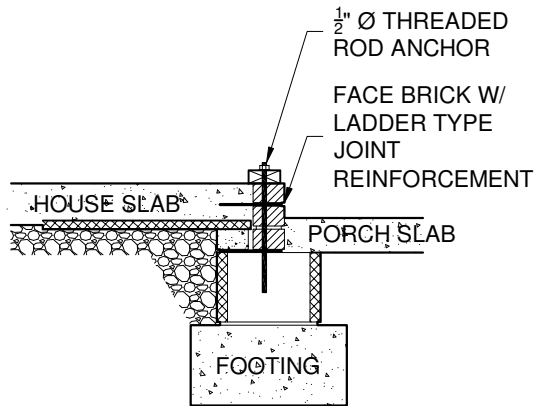


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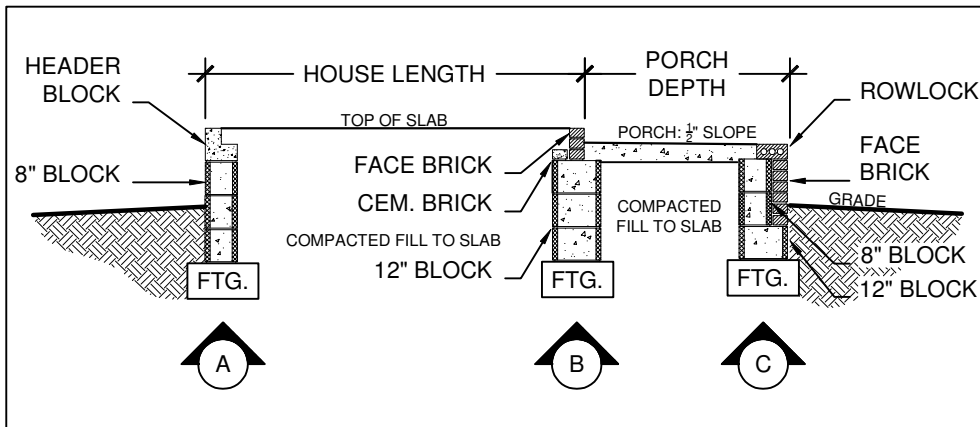
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**HISTORIC "B" SLAB
FOUNDATION NOTES:**

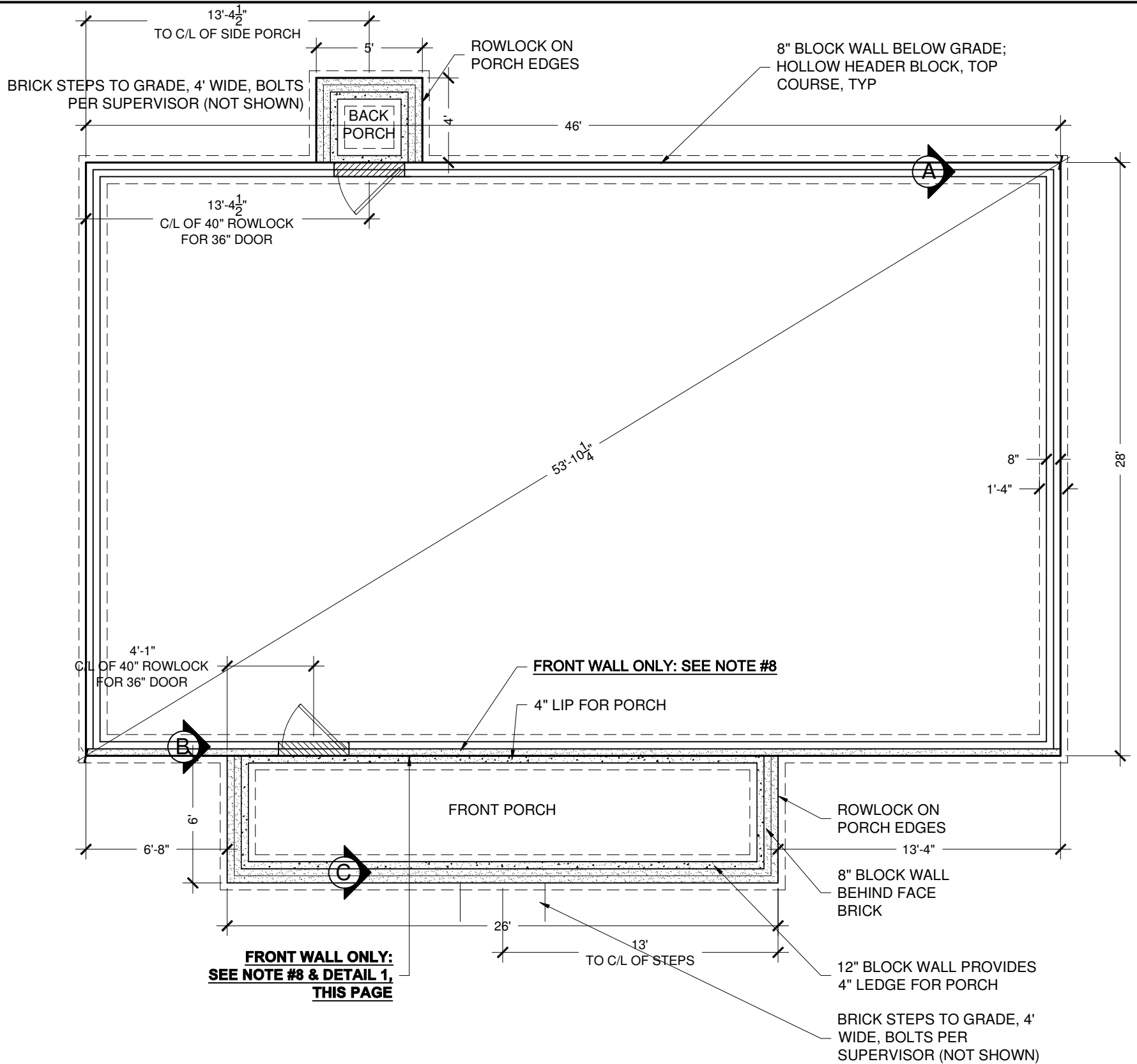
1. Keep foundation walls at least 12" tall to keep wood members off the ground.
2. Dig continuous footing under all foundation walls; 8" minimum thickness.
3. All walls, including porches, must be inside set back lines.
4. No interior load bearing walls or point loads. All trusses bear on exterior walls. (**Does not apply to 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; $\frac{1}{2}$ " \emptyset 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.



1 FRONT WALL FOUNDATION DTL.
NOT TO SCALE



SLAB HISTORIC B FOUNDATION DETAILS CROSS SECTION
NOT TO SCALE; FINAL GRADE DETERMINES FOUNDATION AND PORCH HEIGHTS



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
SHEET TITLE: SLAB-HISTORIC B PLOT DATE: Feb. 26, 16



SHEET #:

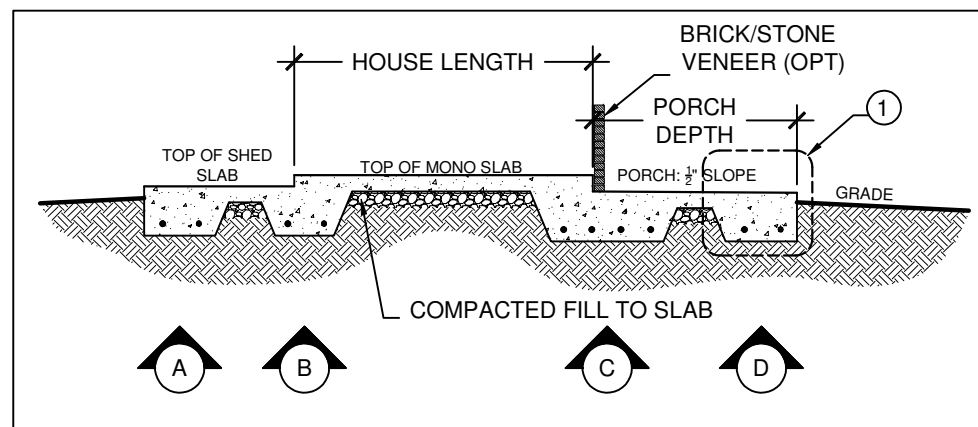
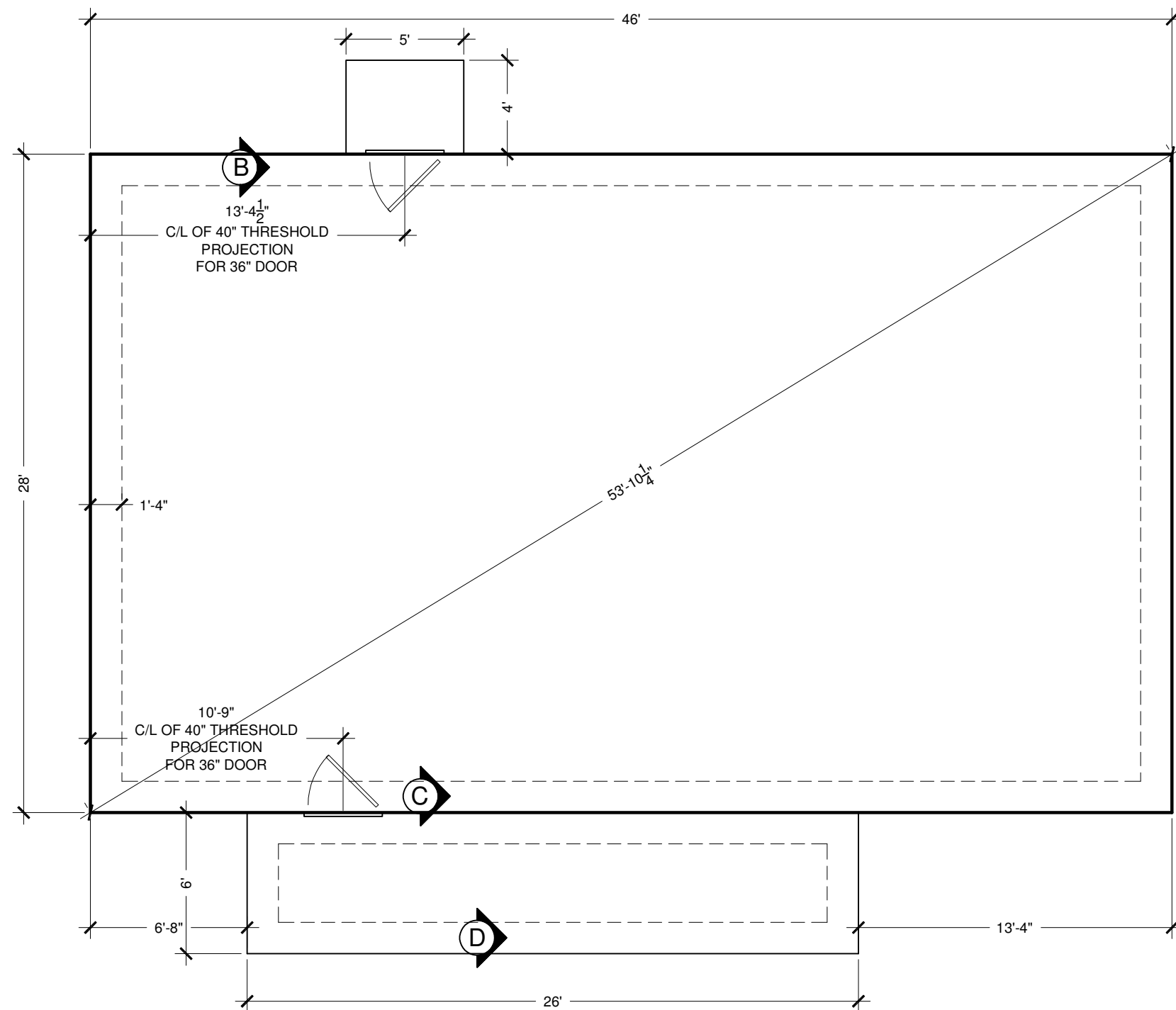
13

MONOLITHIC SLAB

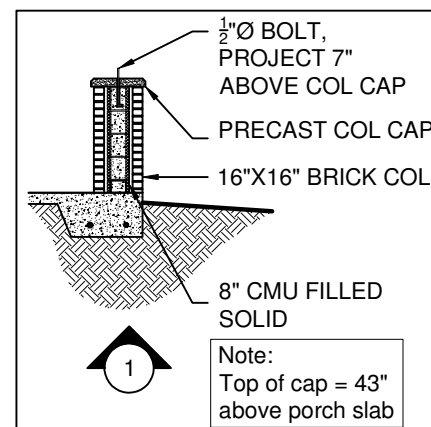
FOUNDATION NOTES:

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.

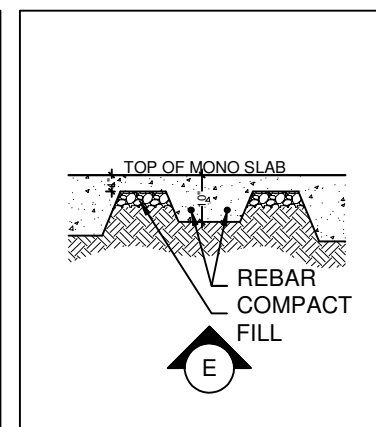
1. Dig continuous footing under all foundation walls; 8" minimum thickness, with (2) #4 rebar, continuous, on supports, @ 4'-0" O.C. max.
2. All walls, including porches, must be inside set back lines.
3. See plan for thickened slab/load bearing interior wall locations (if applicable): 10" deep x 18" 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.



MONOLITHIC SLAB FOUNDATION DETAILS CROSS SECTION
NOT TO SCALE; FINAL GRADE DETERMINES FOUNDATION AND PORCH HEIGHTS



**BRICK/STONE COLUMN CROSS
SECTION, IF APPLICABLE**



THICKENED SLAB CROSS SECTION

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
SHEET TITLE: SLAB-MONOLITHIC	PLOT DATE: Feb. 26, 16

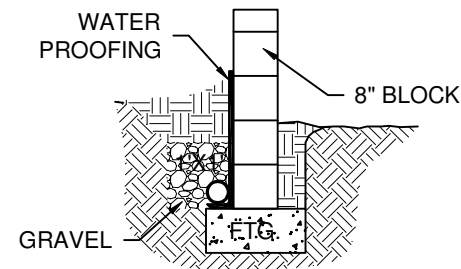


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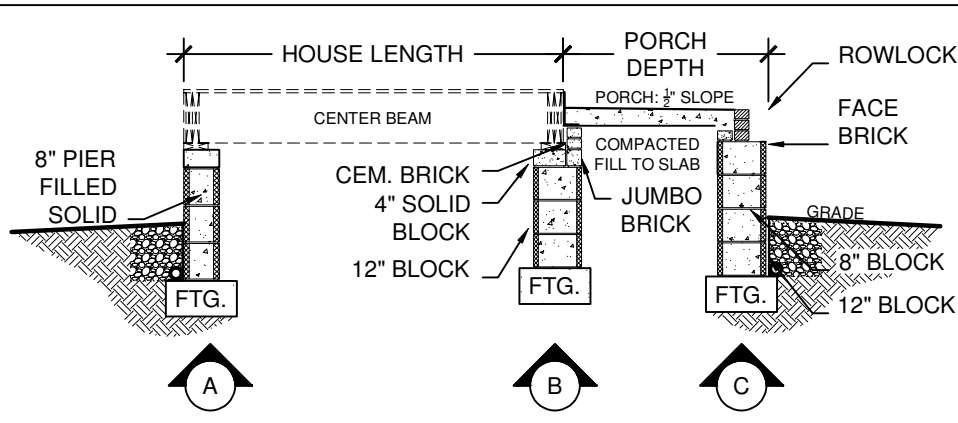
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**HISTORIC "B" CRAWL
FOUNDATION NOTES:**

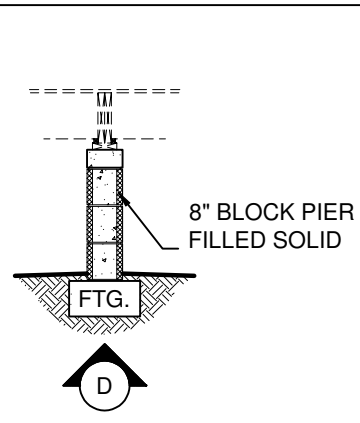
1. Maintain minimum floor joist clearance of 18" to grade and minimum dropped girder clearance of 12" to grade.
2. Dig continuous footing under all foundation walls; 8" minimum thickness.
3. All walls, including porches, must be inside set back lines.
4. No interior load bearing walls or point loads. All trusses bear on exterior walls. (**Does not apply to two-story 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; $\frac{1}{2}$ " \emptyset 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 3' on all LEED homes**).



HIST B FOUNDATION DETAIL
NOT TO SCALE

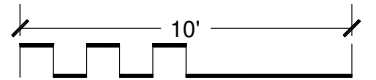
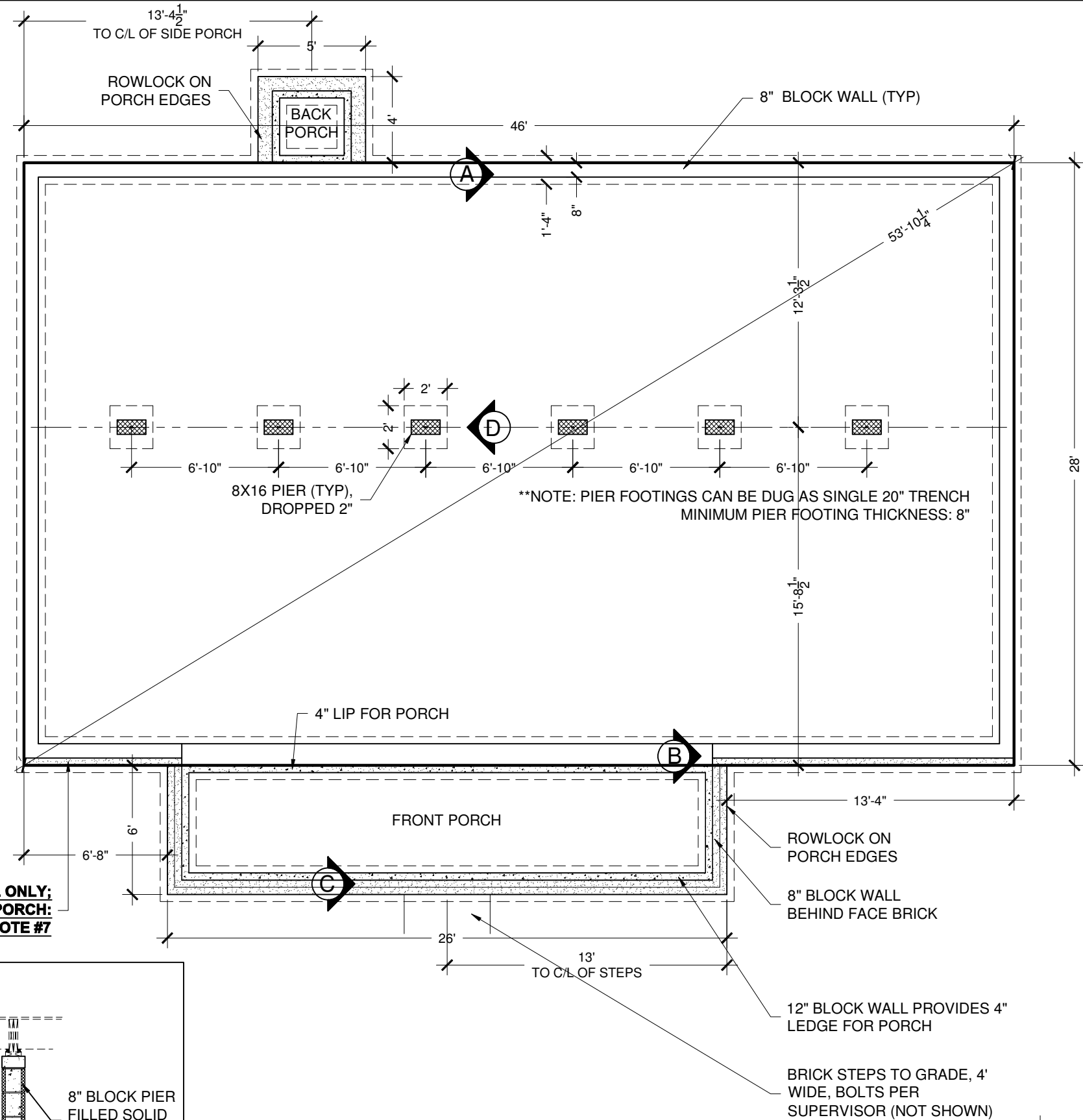


CRAWL HISTORIC B FOUNDATION DETAILS CROSS SECTION
NOT TO SCALE; FINAL GRADE DETERMINES FOUNDATION AND PORCH HEIGHTS



**CRAWL HISTORIC B CENTER
PIER CROSS SECTION**

**FRONT WALL ONLY;
EACH SIDE OF PORCH:
SEE NOTE #7**



HABITAT FOR HUMANITY CHARLOTTE
CONTACT: CARRIE MASTO cmasto@habitcharlotte.org

FILE: Dupont_90_REVISD.dwg
FLOOR PLAN: DUPONT_90 LEFT DWG DATE: FEB 26, 2016
SHEET TITLE: CRAWL-HISTORIC B PLOT DATE: Feb. 26, 16



SHEET #:

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- 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 piers dropped 2"**; double 2X12 girders; 2X10 band joists

