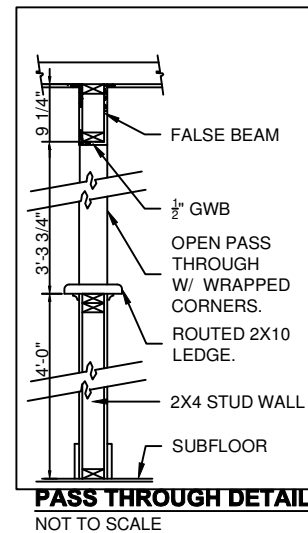




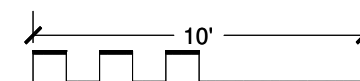
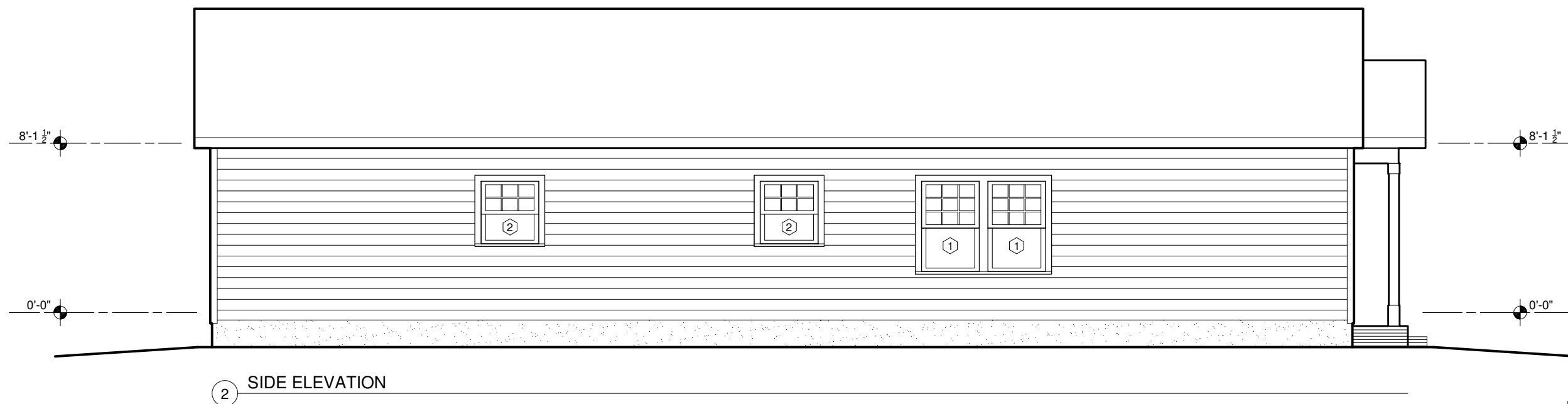
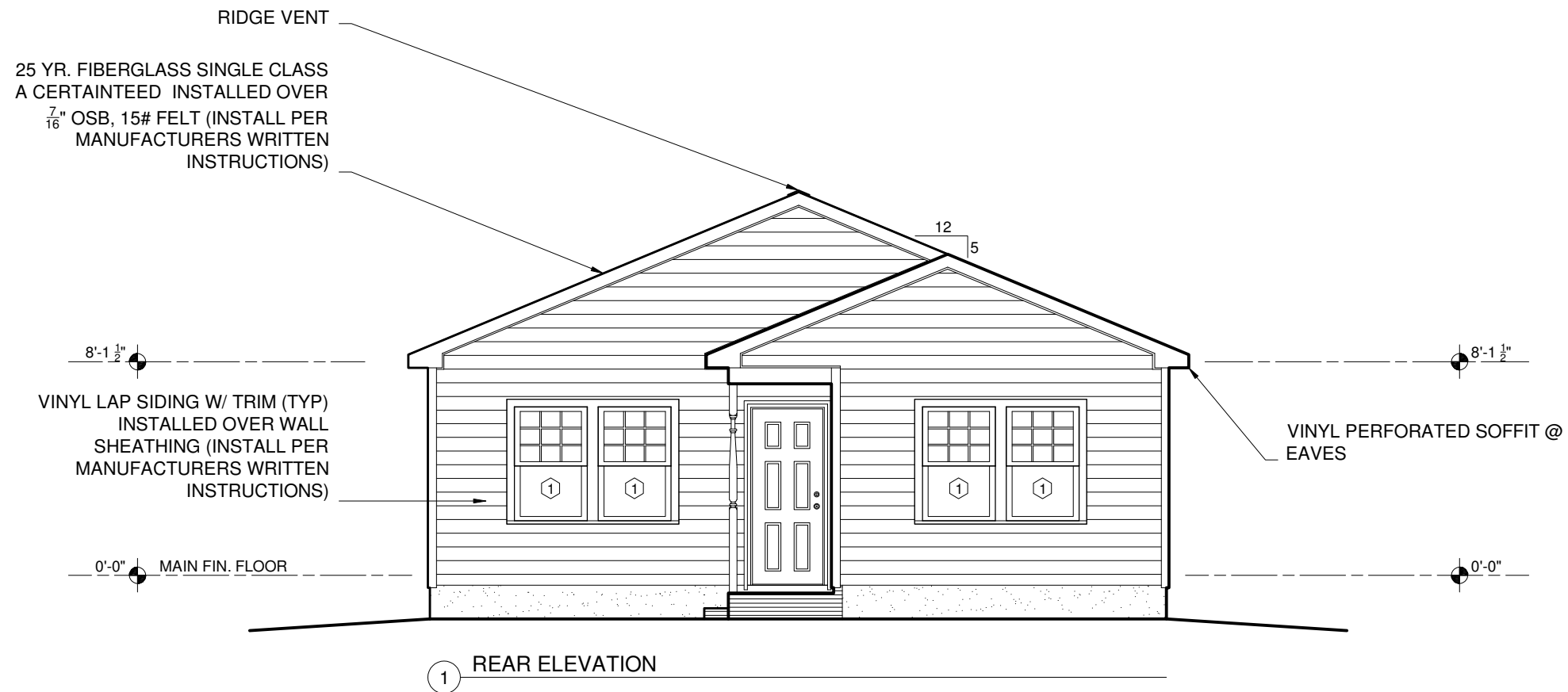
1. Plans to be built per the 2018 North Carolina Residential Code.
2. All dimensions from face face of framing.
3. All wall studs are 2X4 unless otherwise noted.
4. Bracing Method: CS-WSP (Continuous Sheathing-Wood Structural Panel) per table 602.10.1.
 - 4.1. $\frac{1}{2}$ " X 4' X 8' OSB shall be fastened with 8d common nails spaced 6" O.C. at edges and 12" O.C. in the field.
5. $\frac{1}{2}$ " rigid insulation shall be used as water-resistive barrier. All seams and joints to be taped with 2 $\frac{1}{8}$ " 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** w/in 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.



WINDOW SCHEDULE:	DOOR SCHEDULE:		WALL HEADERS:		STUD SPACING:
1. 2'-8"x4'-4"	(A)	36" Exterior Metal Entry Door	Windows	(2) 2X6	Exterior Walls - 2X4s @ 24" O.C.
2. 2'-8" X 3'0"	(B)	32" Exterior Metal Entry Door	Exterior Doors	(2) 2X10	Interior Walls - 2X4s @ 24" O.C.
Meets all egress and glazing requirements per 2018 NC RES BLDG Code	(C)	24" Interior Door	#1 or better grade Southern Pine lumber Per NCRC 2018 Table R602.7(1)		*NOTE: No interior load bearing walls -OR- point loads. All trusses bear on exterior walls.
	(D)	32" Interior Door			
	(E)	18" Interior Door			
	(F)	30" Interior Door			
	(G)	28" Interior Door			
	(H)	36" Interior Door	<u>JACK STUD REQ:</u>		<u>SQUARE FOOTAGE:</u> Heated: 1243 SF Unheated: 221 SF (covered porches)
	(I)	36" Bi-hung Interior Door	Windows/Doors	(1)	
	(J)	48" Bi-hung Interior Door	Per NCRC 2018 Table R602.7(1)		
	(K)	60" Bi-hung Interior Door			

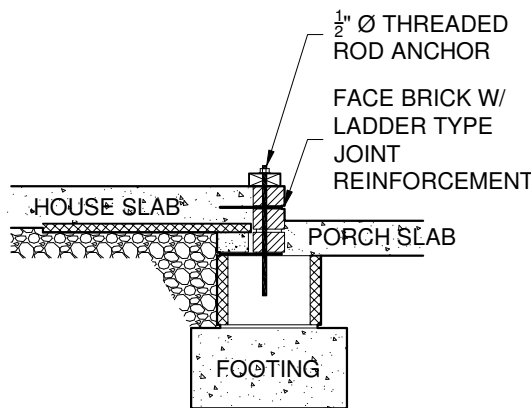
FILE:Joshua.dwg	
FLOOR PLAN:JOSHUA RIGHT	DWG DATE: JAN 10, 2019
SHEET TITLE:FLOOR PLAN	PLOT DATE: Jan. 11, 19



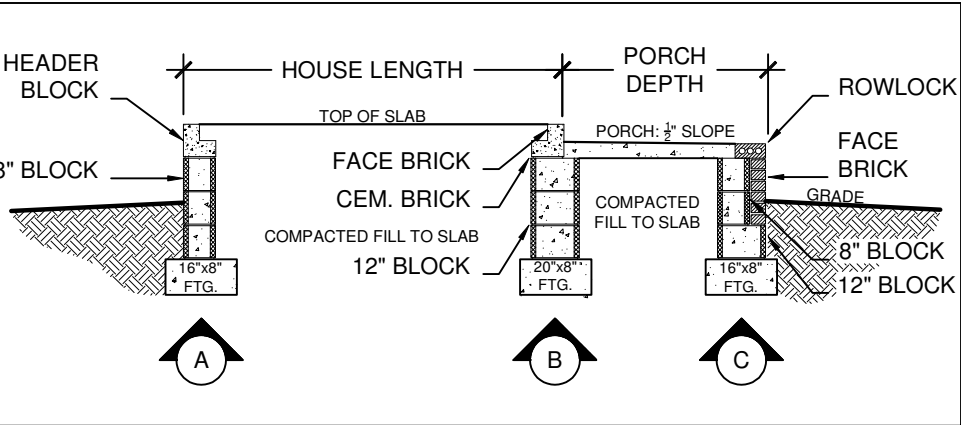


**HISTORIC "B" SLAB
FOUNDATION NOTES:**

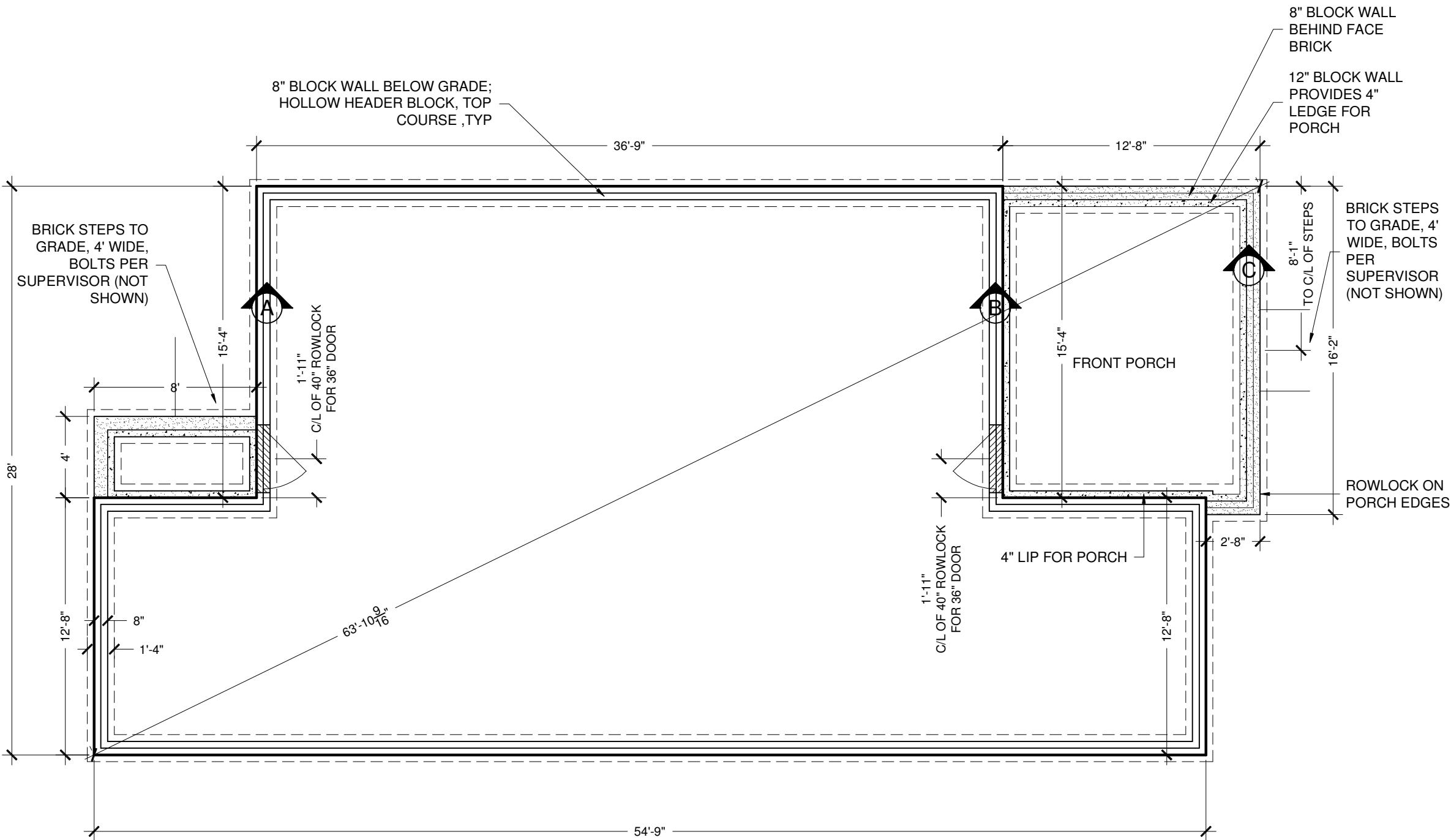
1. Dig continuous 16" wide footing under all foundation walls; 8" minimum thickness, per NCRC 2018 Table R403.1.
2. All walls, including porches, must be inside set back lines.
3. No interior load bearing walls or point loads. All trusses bear on exterior walls. **(Does not apply to two-story plans -OR- multi-family projects)**
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 MAB23 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 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:Joshua.dwg
FLOOR PLAN: JOSHUA RIGHT DWG DATE: JAN 10, 2019
SHEET TITLE: SLAB-HISTORIC B PLOT DATE: Jan. 11, 19

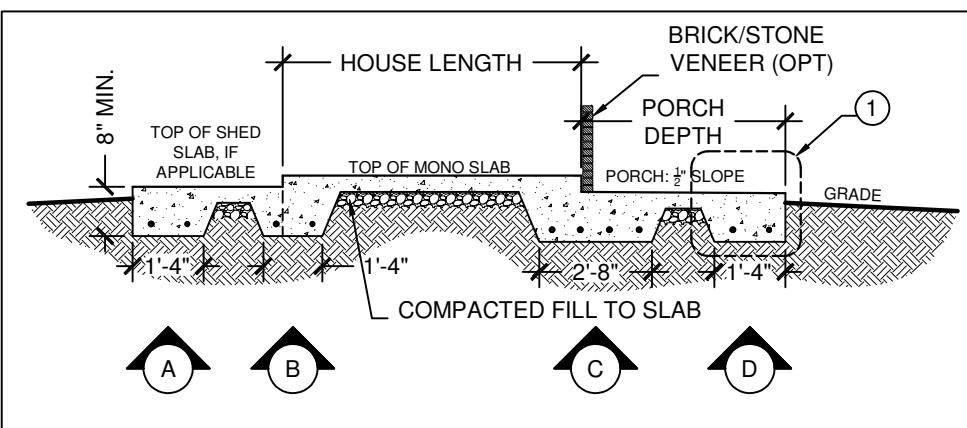
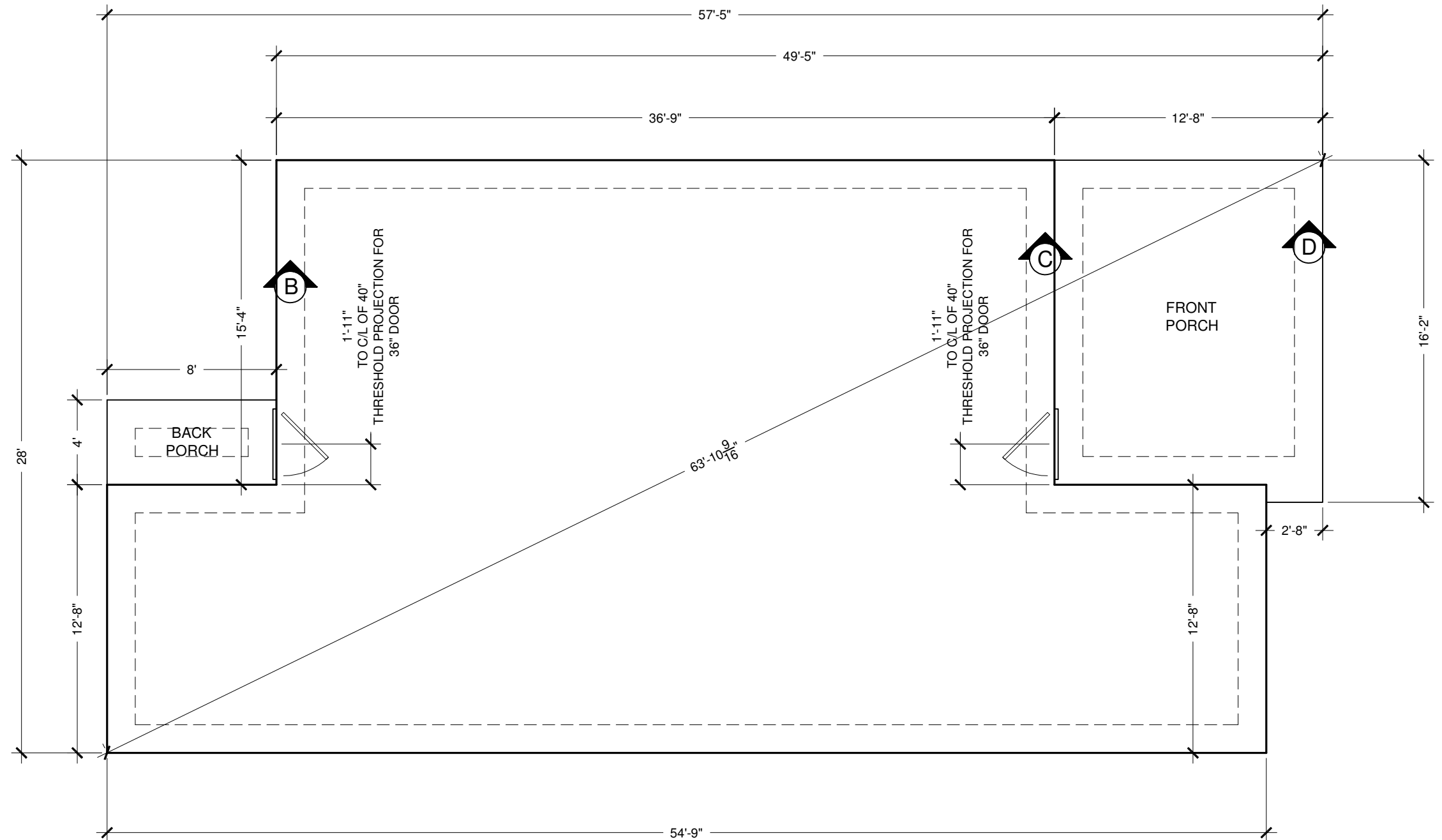


SHEET #:

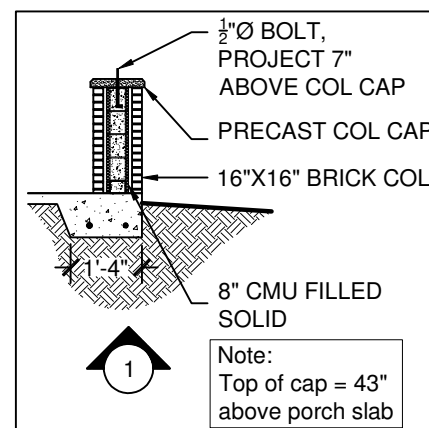
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**MONOLITHIC SLAB
FOUNDATION NOTES:**

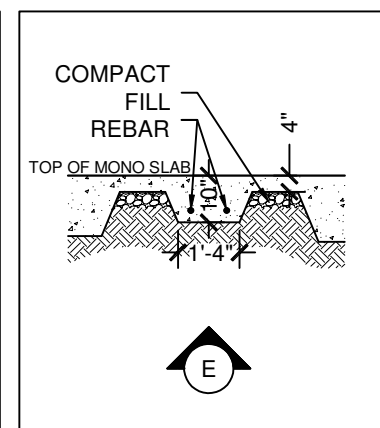
1. Dig continuous footing under all foundation walls; 8" minimum thickness, with (2) #4 rebars, continuous, on supports, @ 4'-0" O.C. max.
2. All walls, including porches, must be inside set back lines.
3. See plan for thickened slab/load bearing interior wall locations (if applicable): 10" deep x 18"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



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

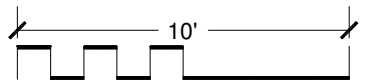
HABITAT FOR HUMANITY CHARLOTTE
CONTACT: CARRIE MASTO cmasto@habitatcharlotte.org
FILE: Joshua.dwg
FLOOR PLAN: JOSHUA RIGHT DWG DATE: JAN 10, 2019
SHEET TITLE: SLAB-MONOLITHIC PLOT DATE: Jan. 11, 19



SHEET #:

5

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 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: $\frac{1}{2}$ " Ø J-bolts, 6'-0" 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.



FILE:Joshua.dwg	
FLOOR PLAN:JOSHUA RIGHT	DWG DATE: JAN 10, 2019
SHEET TITLE:CRAWL-HISTORIC B	PLOT DATE: Jan. 11, 19



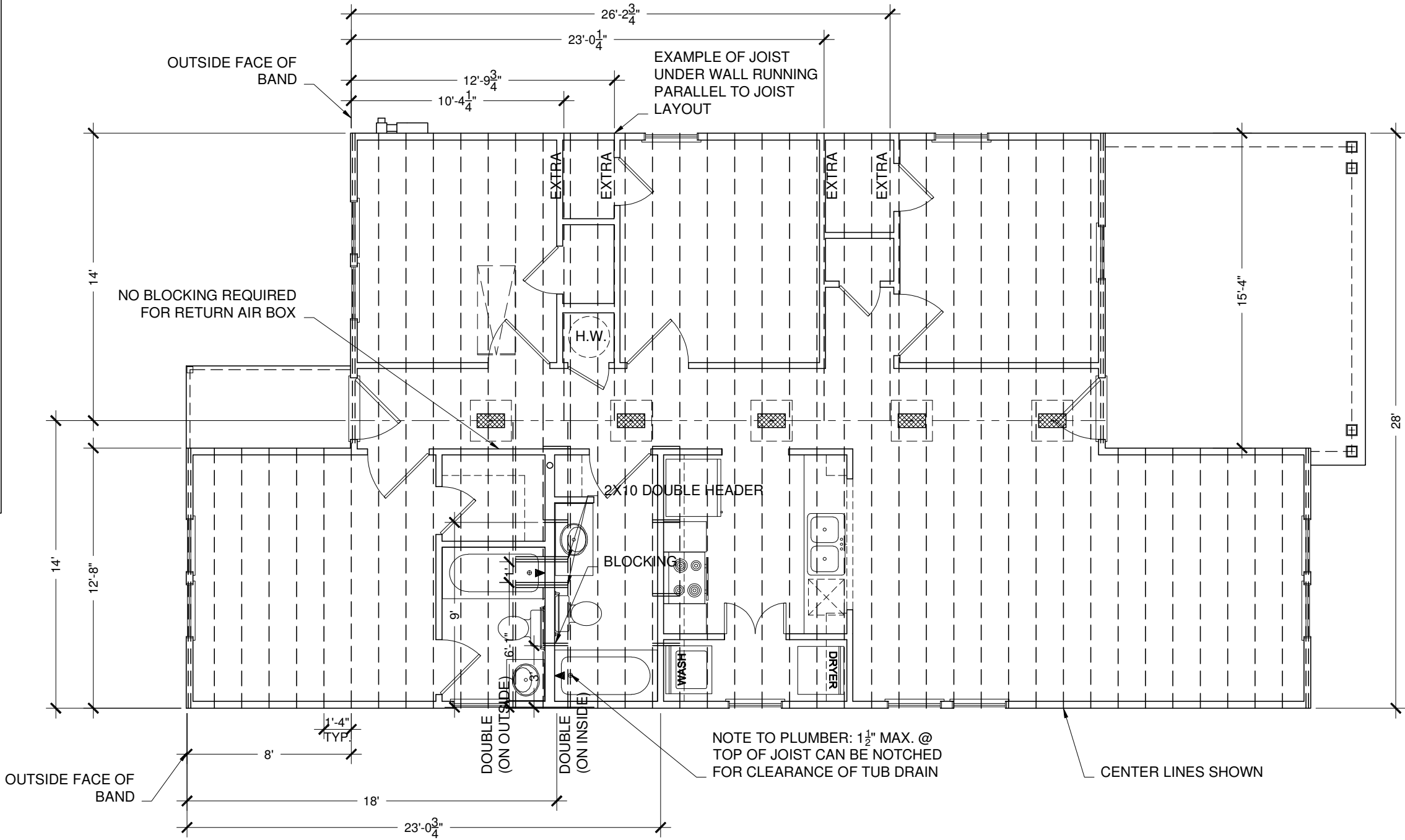
6

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

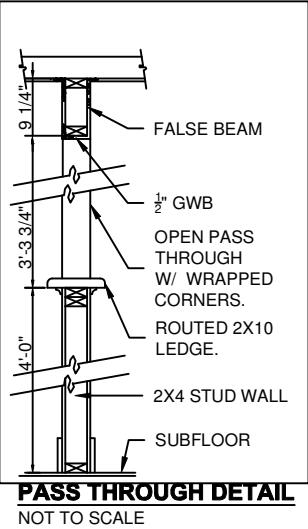
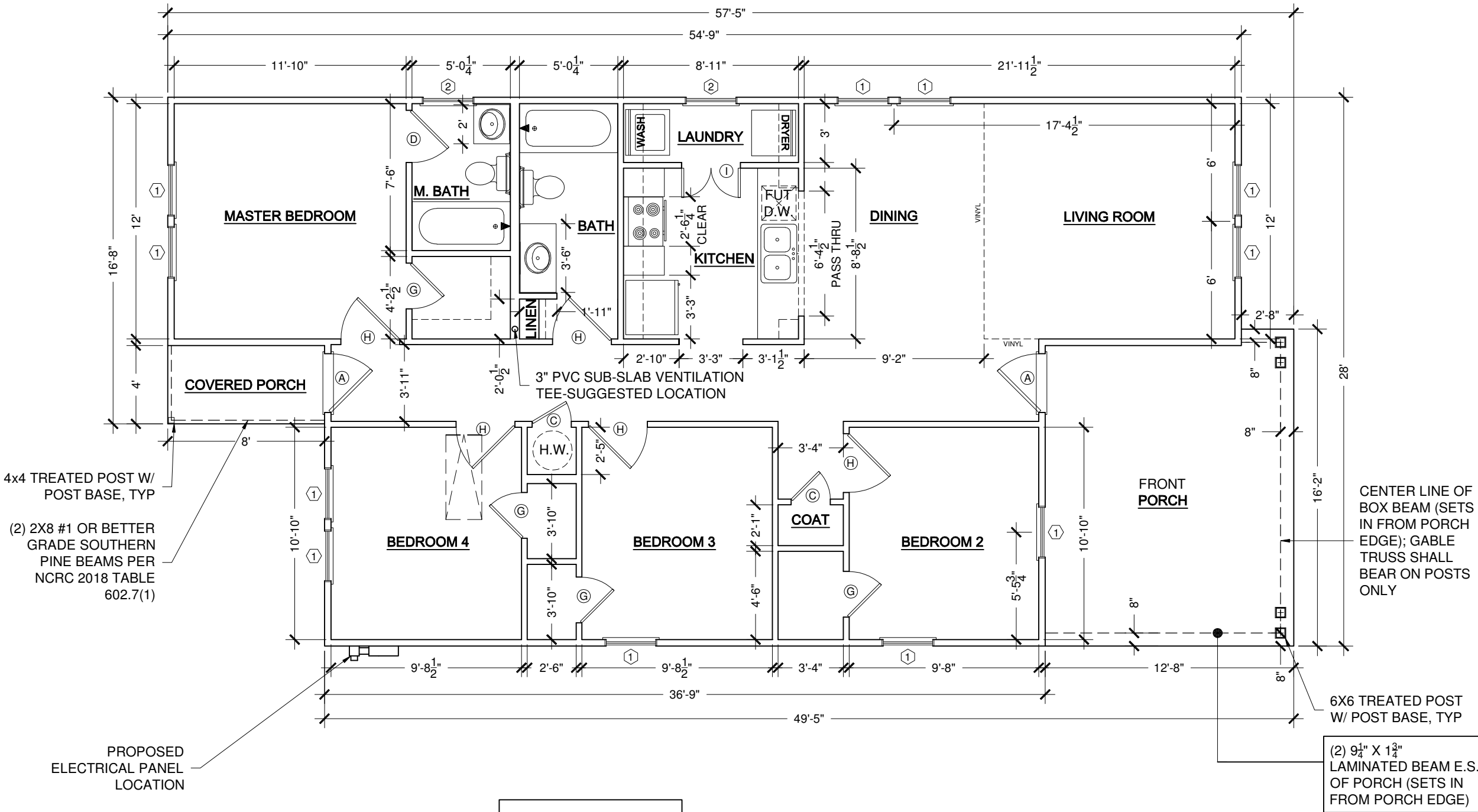
FLOOR SYSTEM:

- Mud sill: 2X6 pressure treated lumber attached to foundation walls using pre-placed $\frac{1}{2}$ " \varnothing 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 piers 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 $\frac{3}{4}$ " T&G plywood, installed perpendicular to floor joists, fastened with 8d common nails.



GENERAL NOTES:

- Plans to be built per the 2018 North Carolina Residential Code.
- All dimensions from face face of framing.
- All wall studs are 2X4 unless otherwise noted.
- Bracing Method: CS-WSP (Continuous Sheathing-Wood Structural Panel) per table 602.10.1.
- 4.1. 1/2" X 4' X 8' OSB shall be fastened with 8d common nails spaced 6" O.C. at edges and 12" O.C. in the field.
- 1/2" rigid insulation shall be used as water-resistive barrier. All seams and joints to be taped with 2 5/8" construction tape.
- Face of sheathing @ exterior walls to align with face of masonry below.
- All window locations to be determined on site unless otherwise dimensioned.
- All windows and doors to be covered by porches and flashed.
- All windows and doors shall have an overall U-Factor of .35 or less, and a SHGC of .30 or less.
- Water resistant flooring shall be used in kitchen, bathroom(s), and laundry areas AND w/in 3 feet of all exterior doors.
- Clothes dryer shall be exhausted directly to outdoors.
- Drain and drain pan -OR- single throw supply valve shall be installed for clothes washer.
- Water heater to be located in designated closet as shown; drain and drain pan shall be installed; drain shall lead directly to outdoors.
- HVAC attic return to be located in hall ceiling.
- 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.
- Any building face within 10' of property line requires protection behind aluminum & vinyl soffits per NCRC 2018 Section R302.1.1.
- TERMITE TREATMENT: Treatment of all framing within 3' of foundation.
- 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.
- Seal external cracks, joints, etc. around windows and doors with caulking and install pest proof screens.
- Provide minimum of 20' X 10' concrete driveway AND 4' sidewalk to front door.



WINDOW SCHEDULE:

- 2'-8"X4'-4"
- 2'-8" X 3'0"

Meets all egress and glazing requirements per 2018 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) 2X6 |
| Exterior Doors | (2) 2X10 |
| #1 or better grade Southern Pine lumber Per NCRC 2018 Table R602.7(1) | |
| JACK STUD REQ: | |
| Windows/Doors | (1) |
| Per NCRC 2018 Table R602.7(1) | |

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: 1243 SF
Unheated: 221 SF (covered porches)

HABITAT FOR HUMANITY CHARLOTTE

CONTACT: CARRIE MASTO cmasto@habitatcharlotte.org

FILE:Joshua.dwg

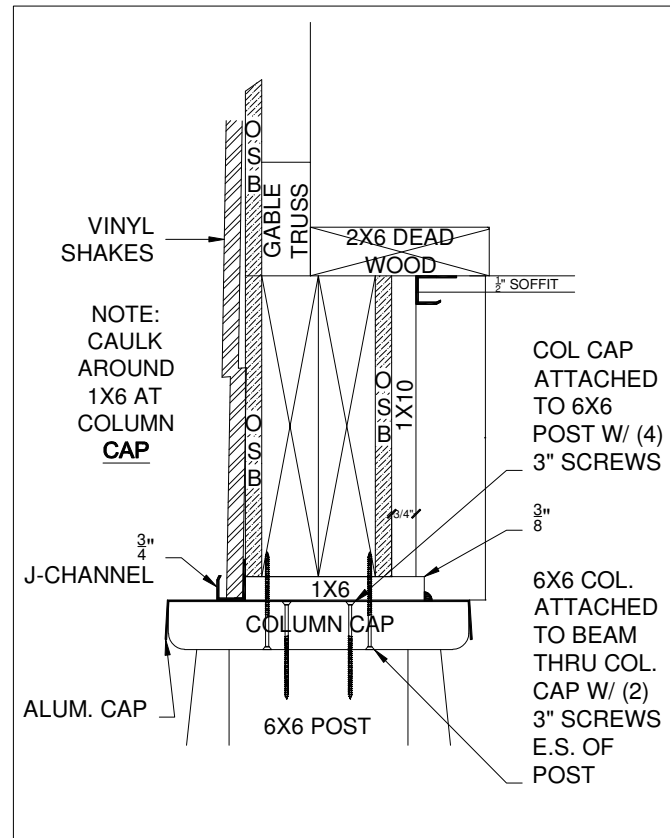
FLOOR PLAN: JOSHUA LEFT
SHEET TITLE: FLOOR PLAN

DWG DATE: JAN 10, 2019
PLOT DATE: Jan. 11, 19

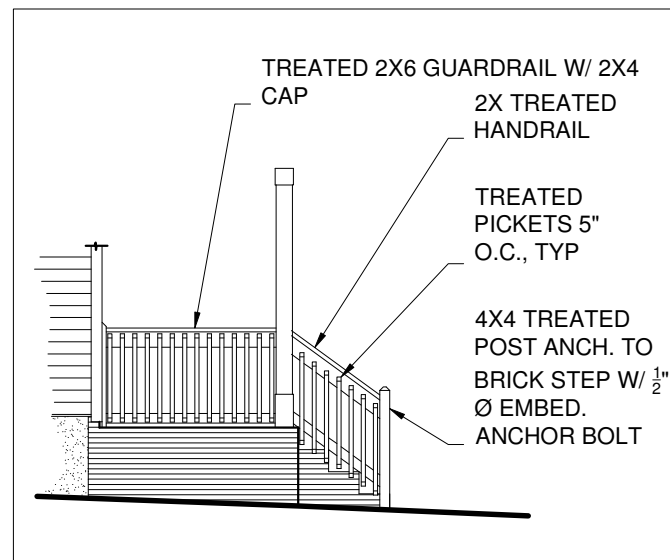


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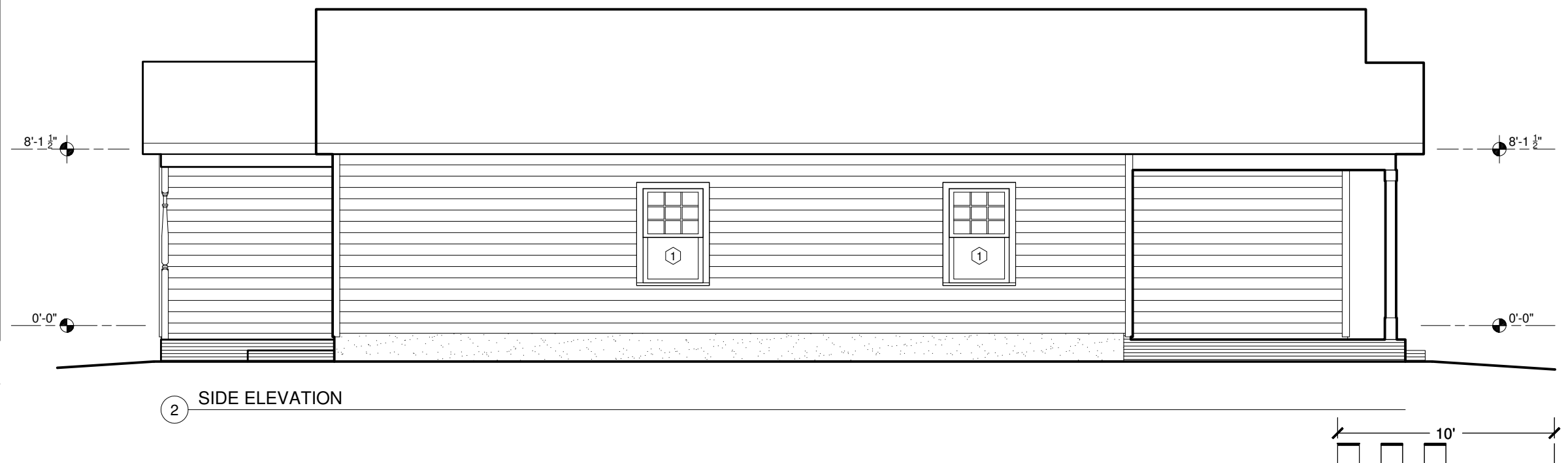
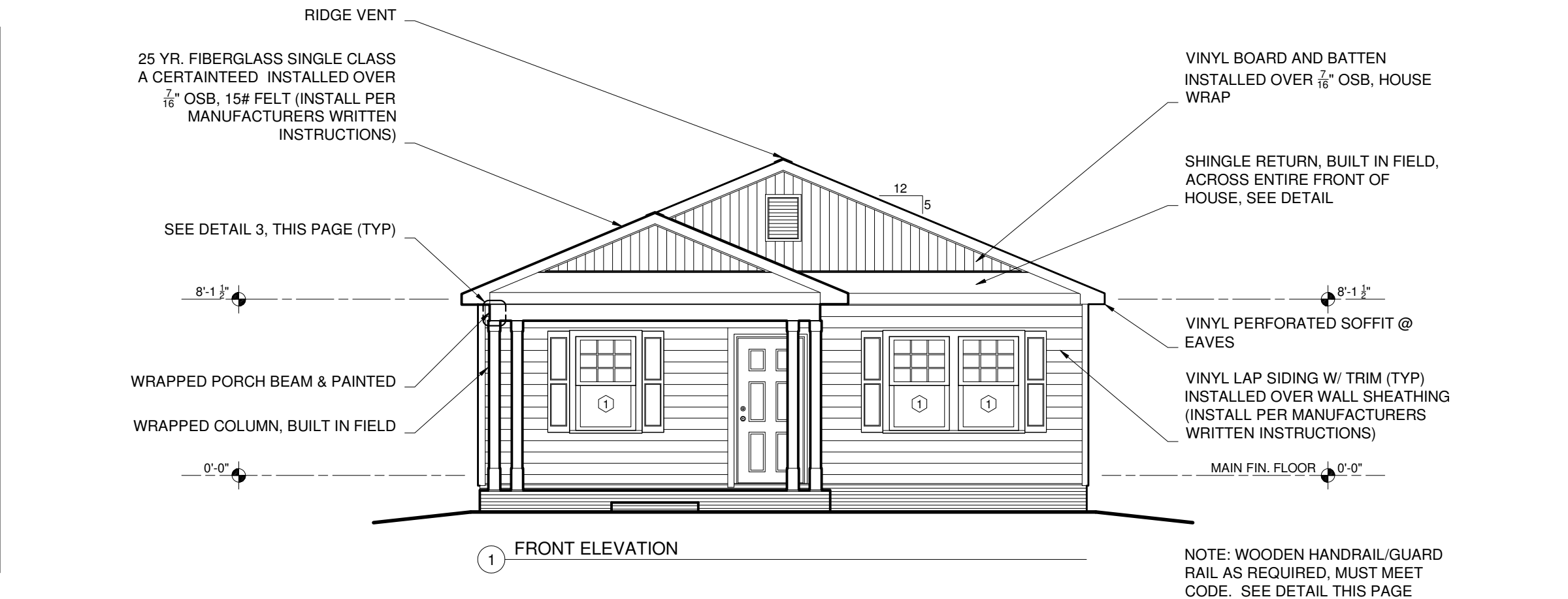
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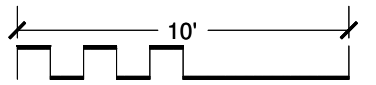
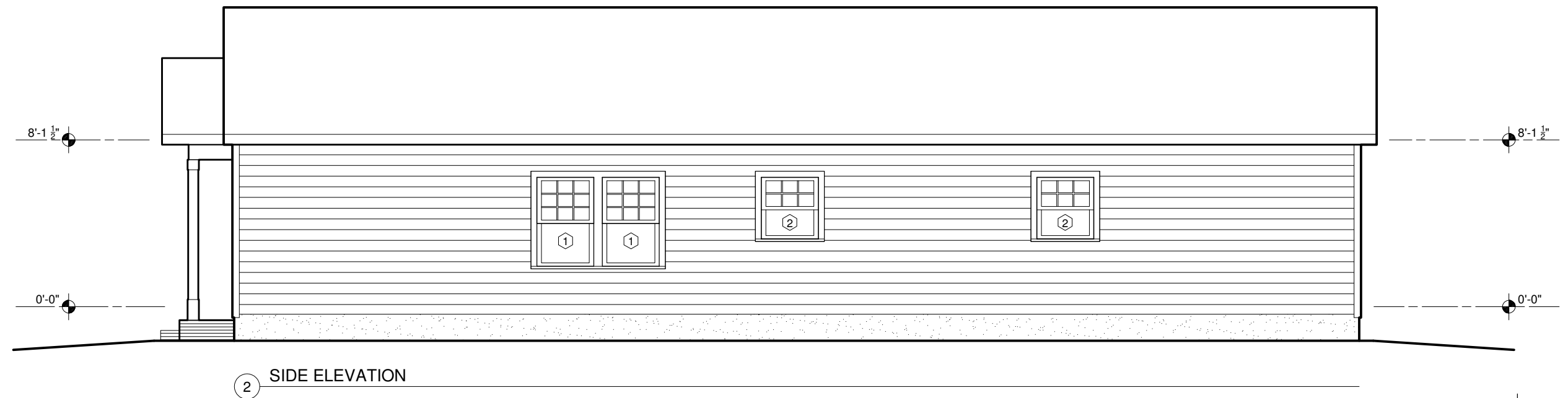
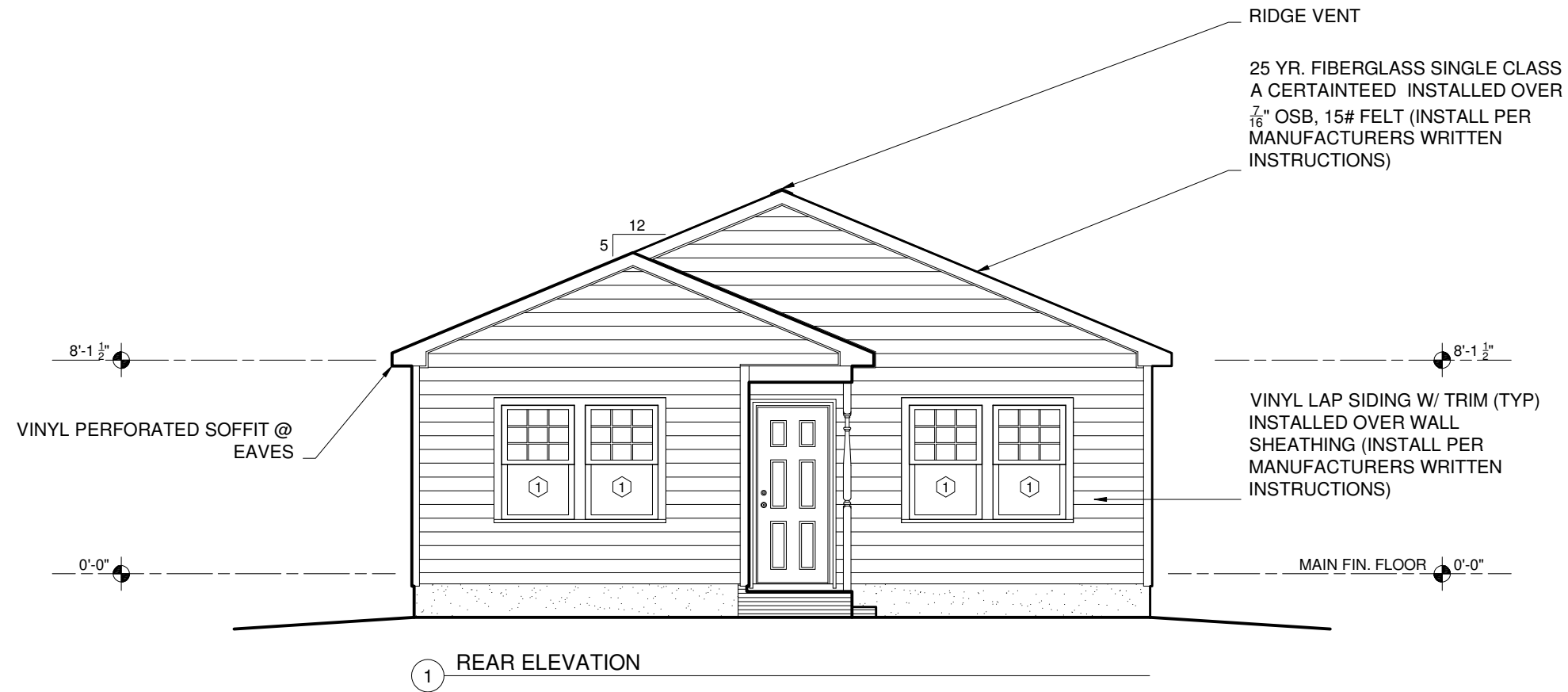


3 COLUMN CAP DETAIL



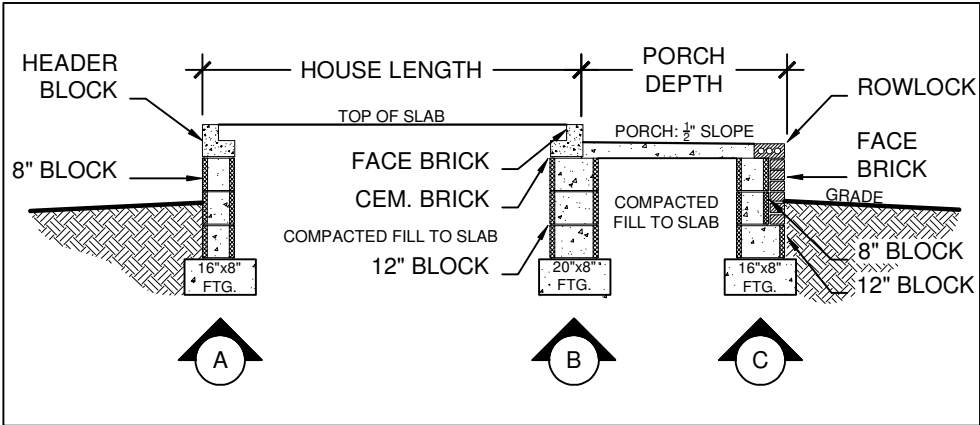
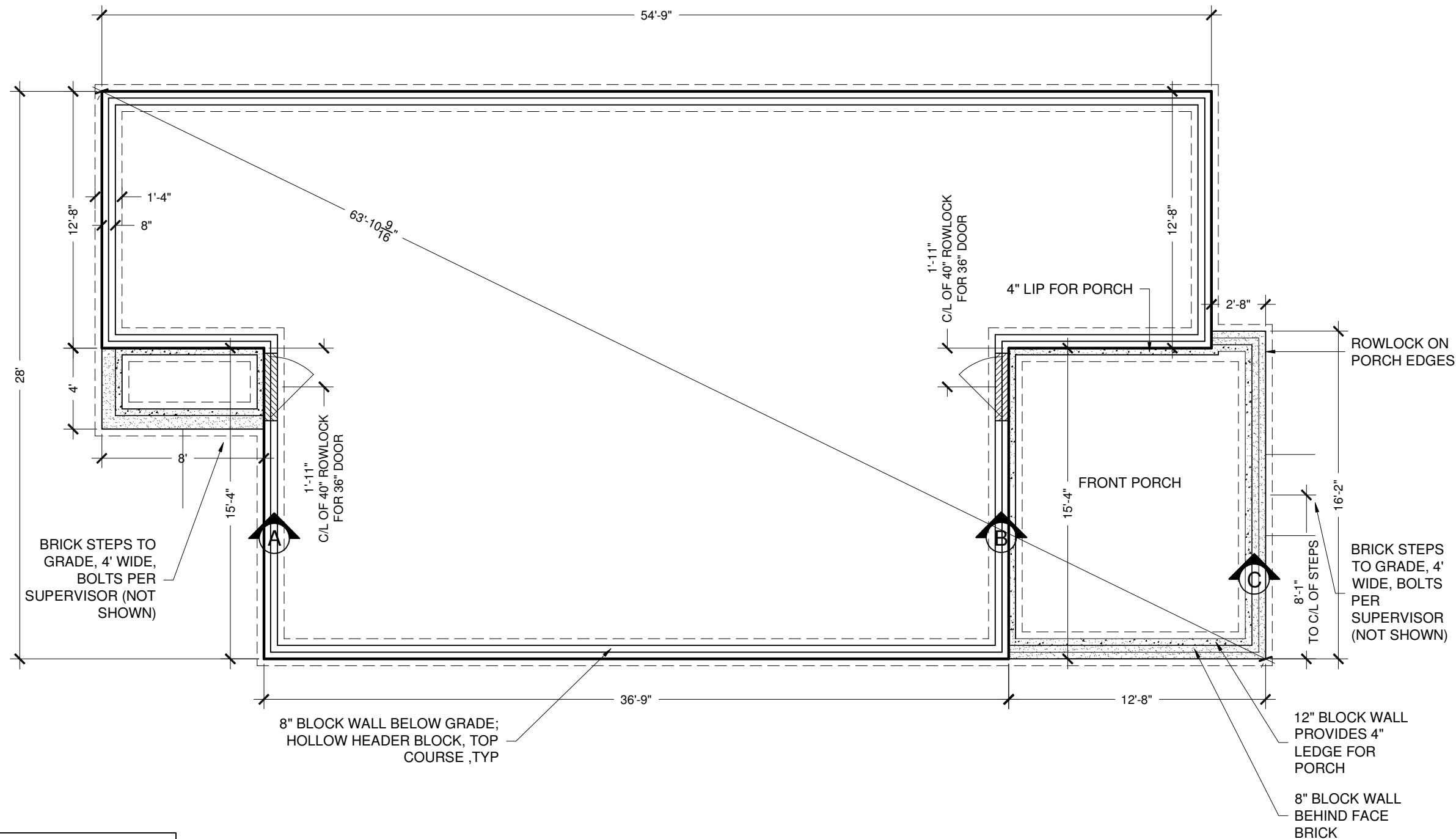
4 HANDRAIL/GUARD RAIL DETAIL
HANDRAILS & GUARDRAILS: SHALL COMPLY WITH NCRC 2018 SECTION(S) R311 & 311





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

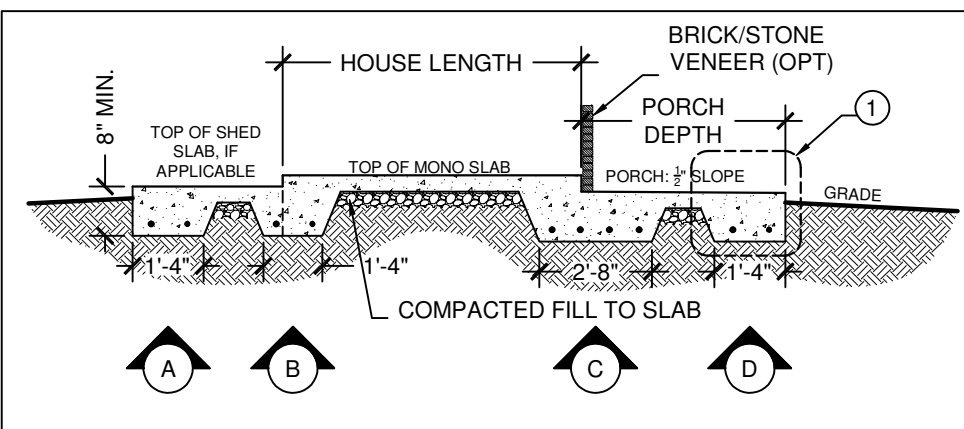
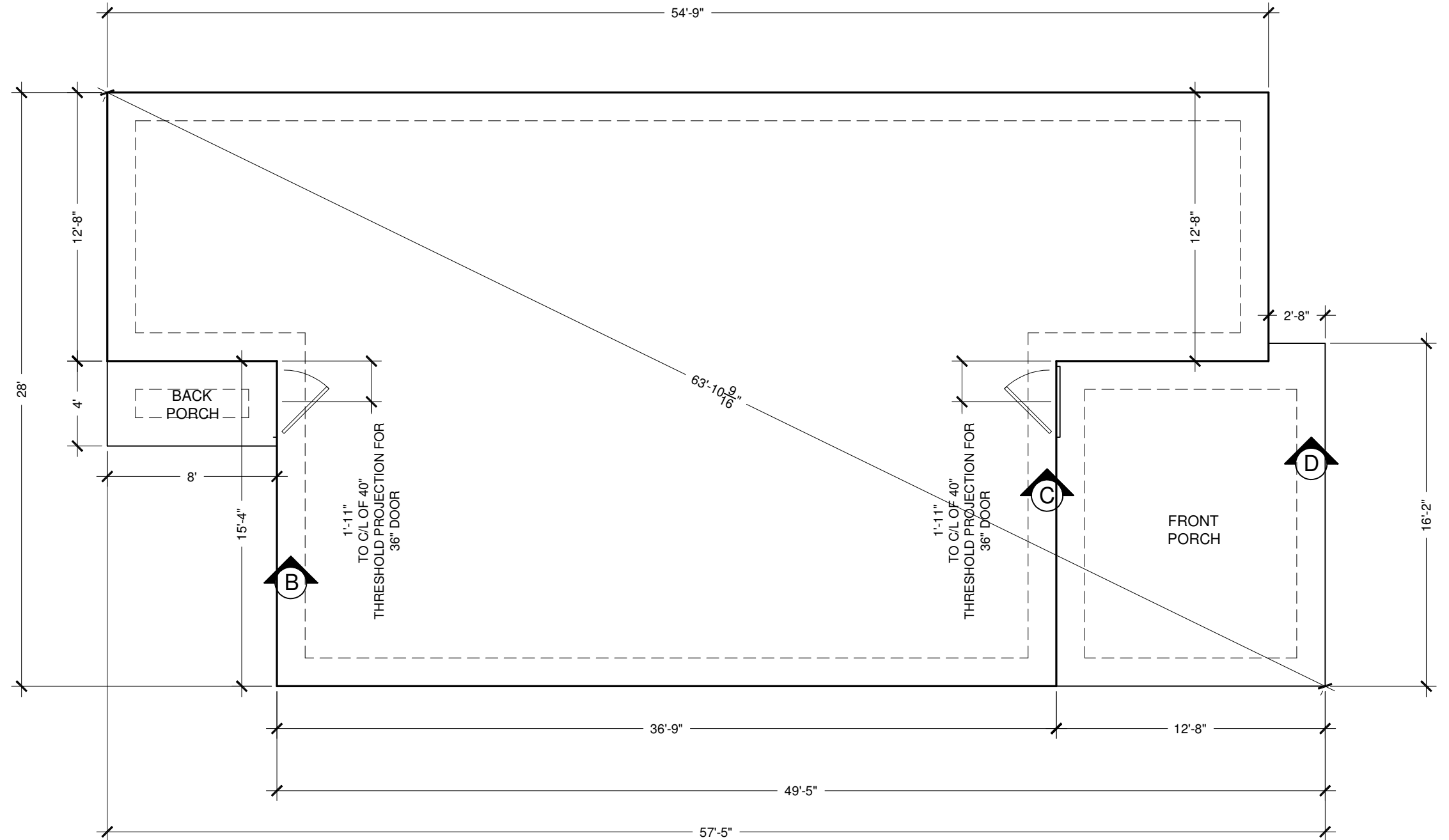
1. Dig continuous 16" wide footing under all foundation walls; 8" minimum thickness, per NCRC 2018 Table R403.1.
2. All walls, including porches, must be inside set back lines.
3. No interior load bearing walls or point loads. All trusses bear on exterior walls. **(Does not apply to two-story plans -OR- multi-family projects)**
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 MAB23 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.



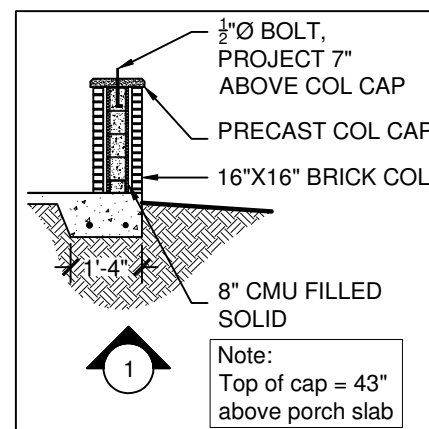
SLAB HISTORIC B FOUNDATION DETAILS CROSS SECTION
NOT TO SCALE; FINAL GRADE DETERMINES FOUNDATION AND PORCH HEIGHTS

**MONOLITHIC SLAB
FOUNDATION NOTES:**

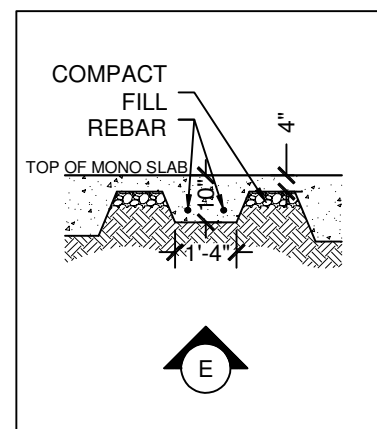
1. Dig continuous footing under all foundation walls; 8" minimum thickness, with (2) #4 rebars, continuous, on supports, @ 4'-0" O.C. max.
2. All walls, including porches, must be inside set back lines.
3. See plan for thickened slab/load bearing interior wall locations (if applicable): 10" deep x 18"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



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: Joshua.dwg
FLOOR PLAN: JOSHUA LEFT
SHEET TITLE: SLAB-MONOLITHIC
DWG DATE: JAN 10, 2019
PLOT DATE: Jan. 11, 19

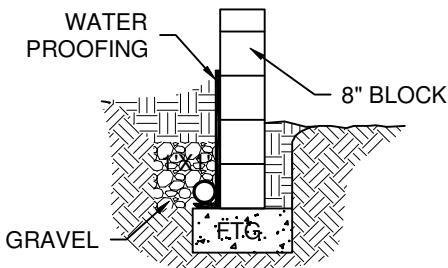


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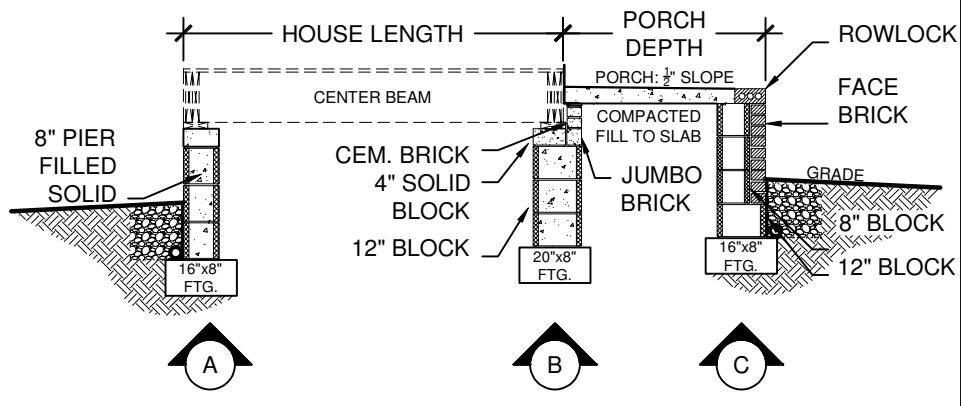
12

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

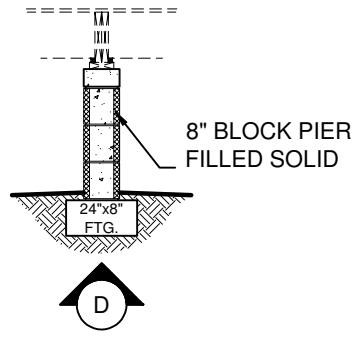
1. Wall Vented Crawl Space per NCRC 2018 R408.
2. Maintain minimum floor joist clearance of 18" to grade and minimum dropped girder clearance of 12" to grade.
3. All walls, including porches, must be inside set back lines.
4. Dig continuous 16" wide footing under all foundation walls; 8" minimum thickness, 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 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: $\frac{1}{2}$ " \varnothing J-bolts, 6'-0" 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.



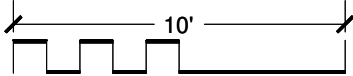
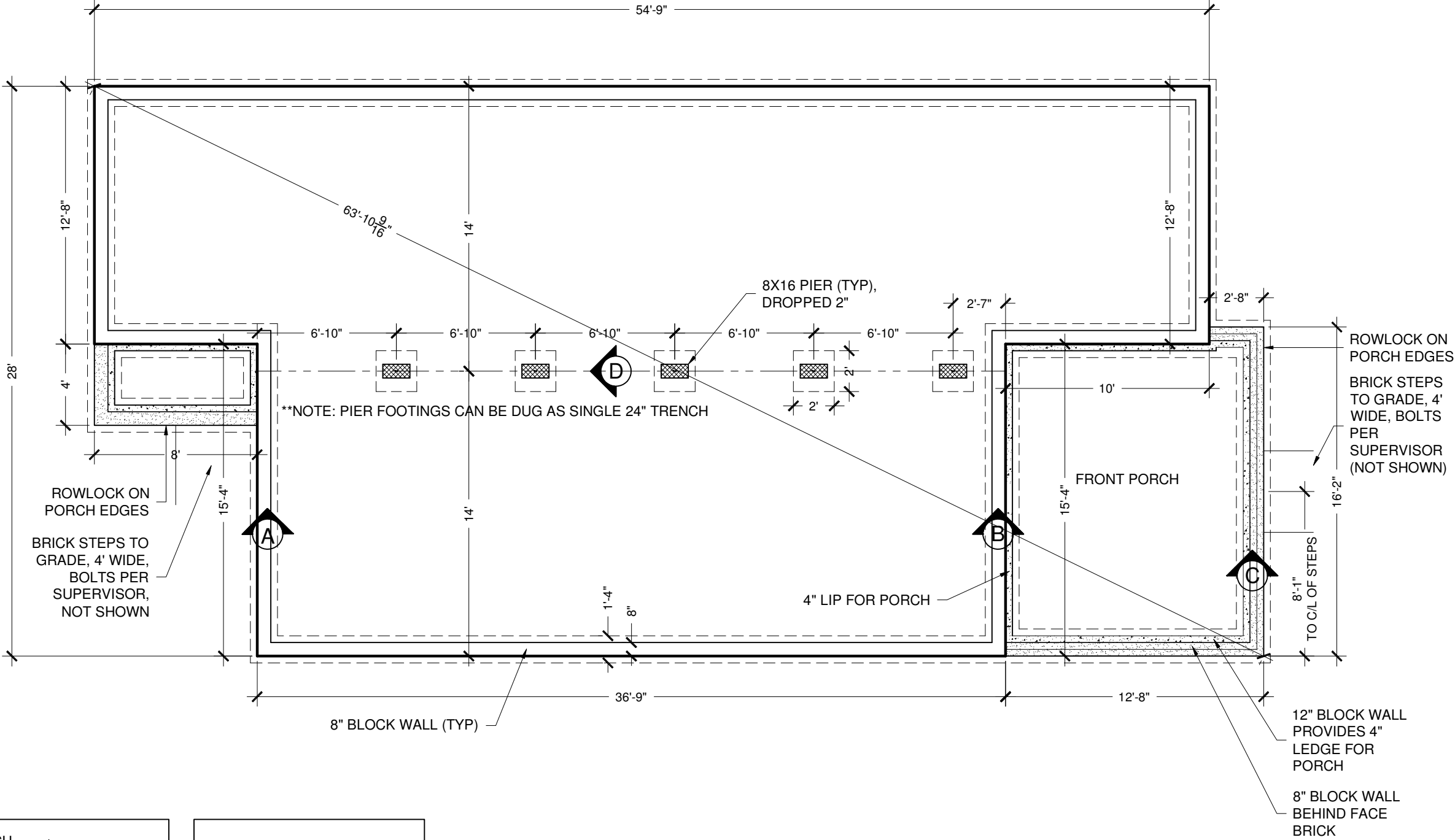
HIST B FOUNDATION DETAIL
NOT TO SCALE



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:Joshua.dwg
FLOOR PLAN: JOSHUA LEFT DWG DATE: JAN 10, 2019
SHEET TITLE: CRAWL-HISTORIC B PLOT DATE: Jan. 11, 19



SHEET #:

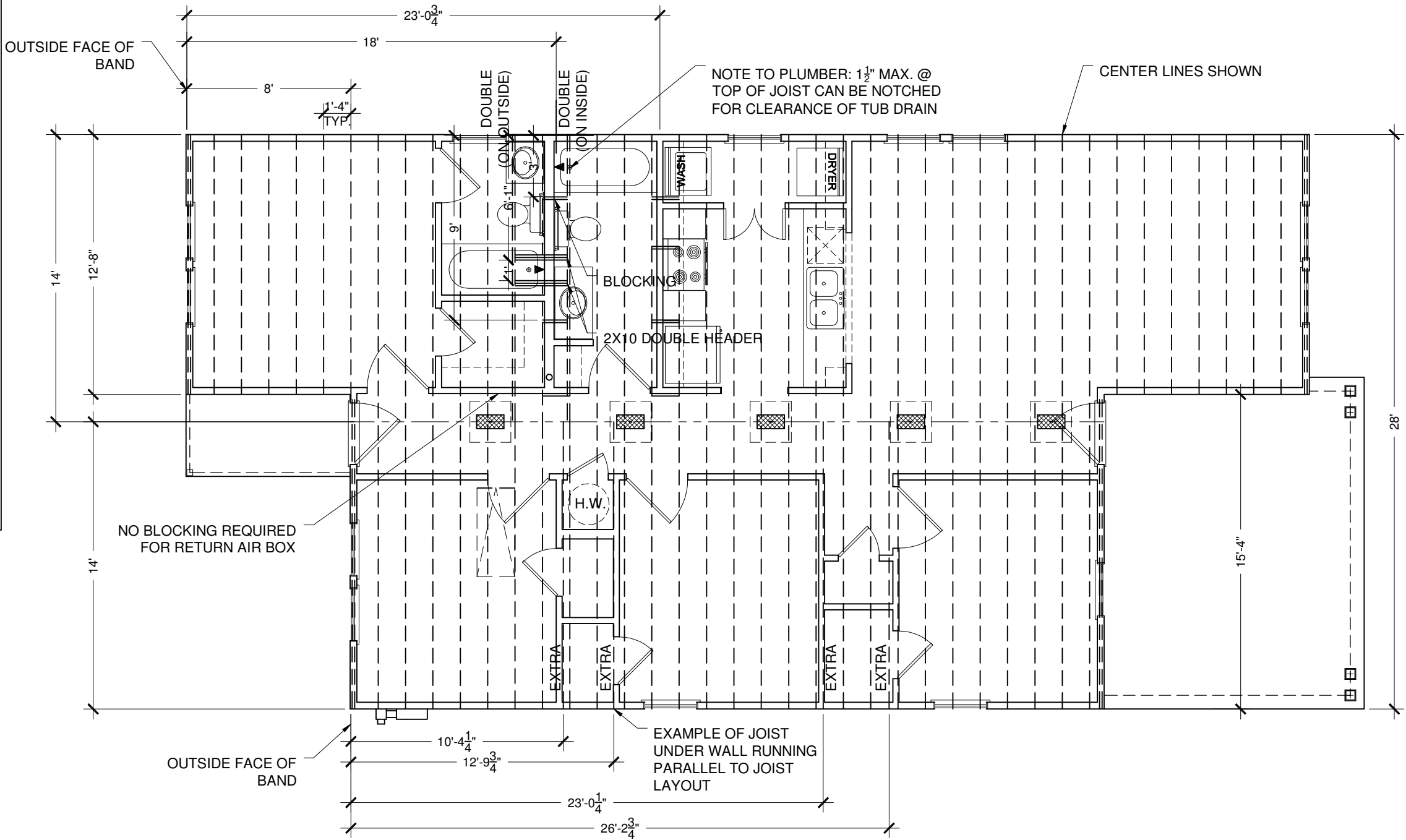
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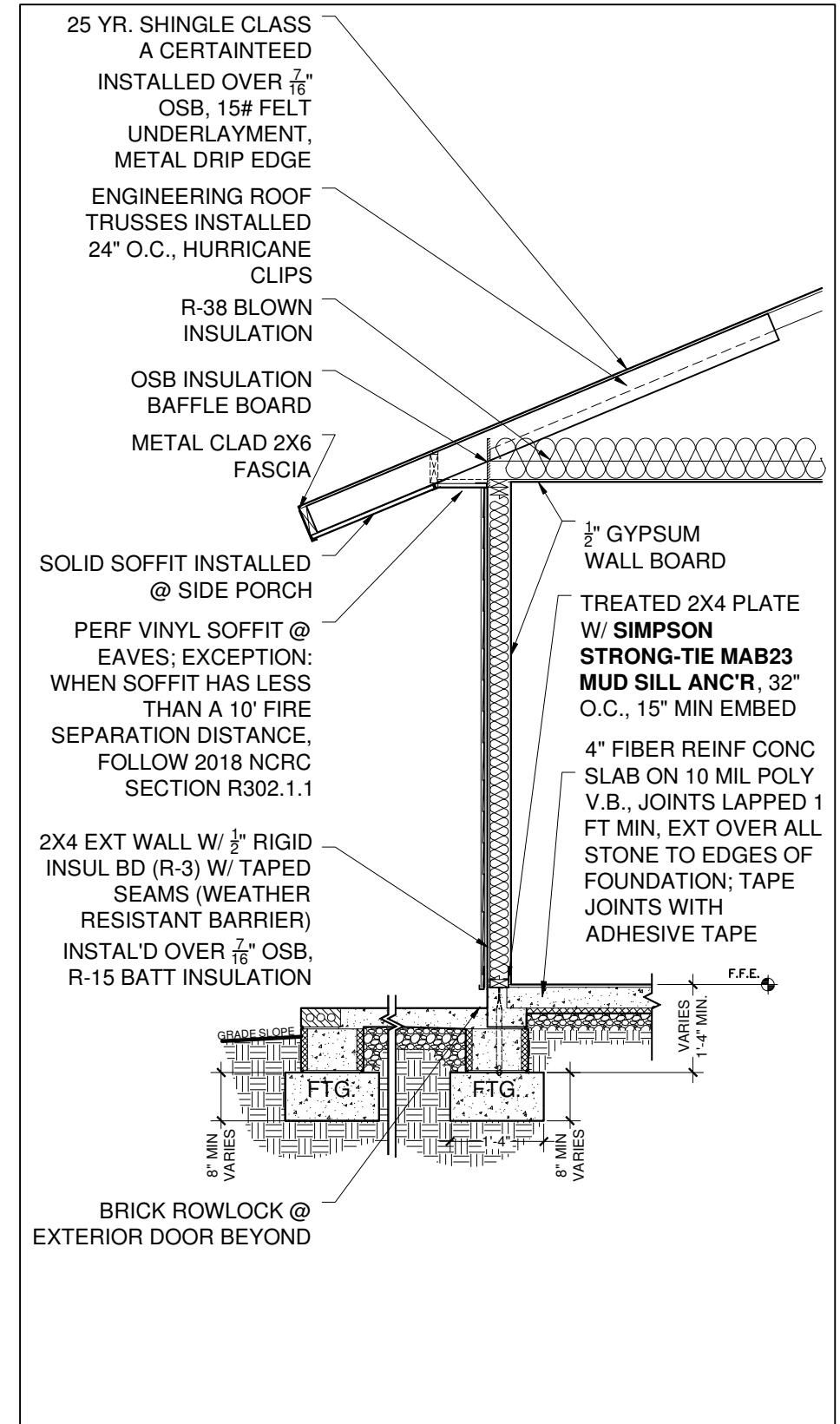
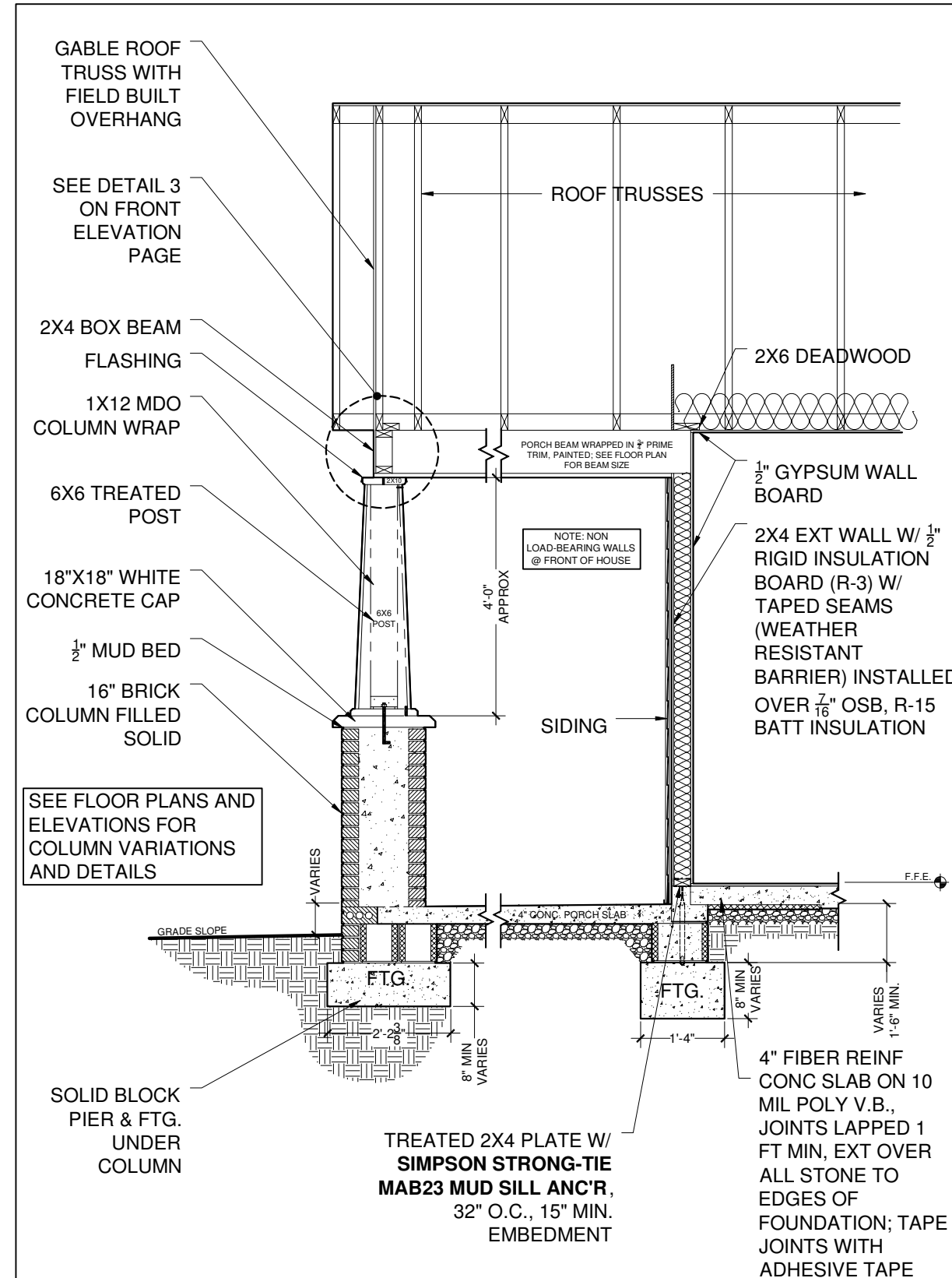
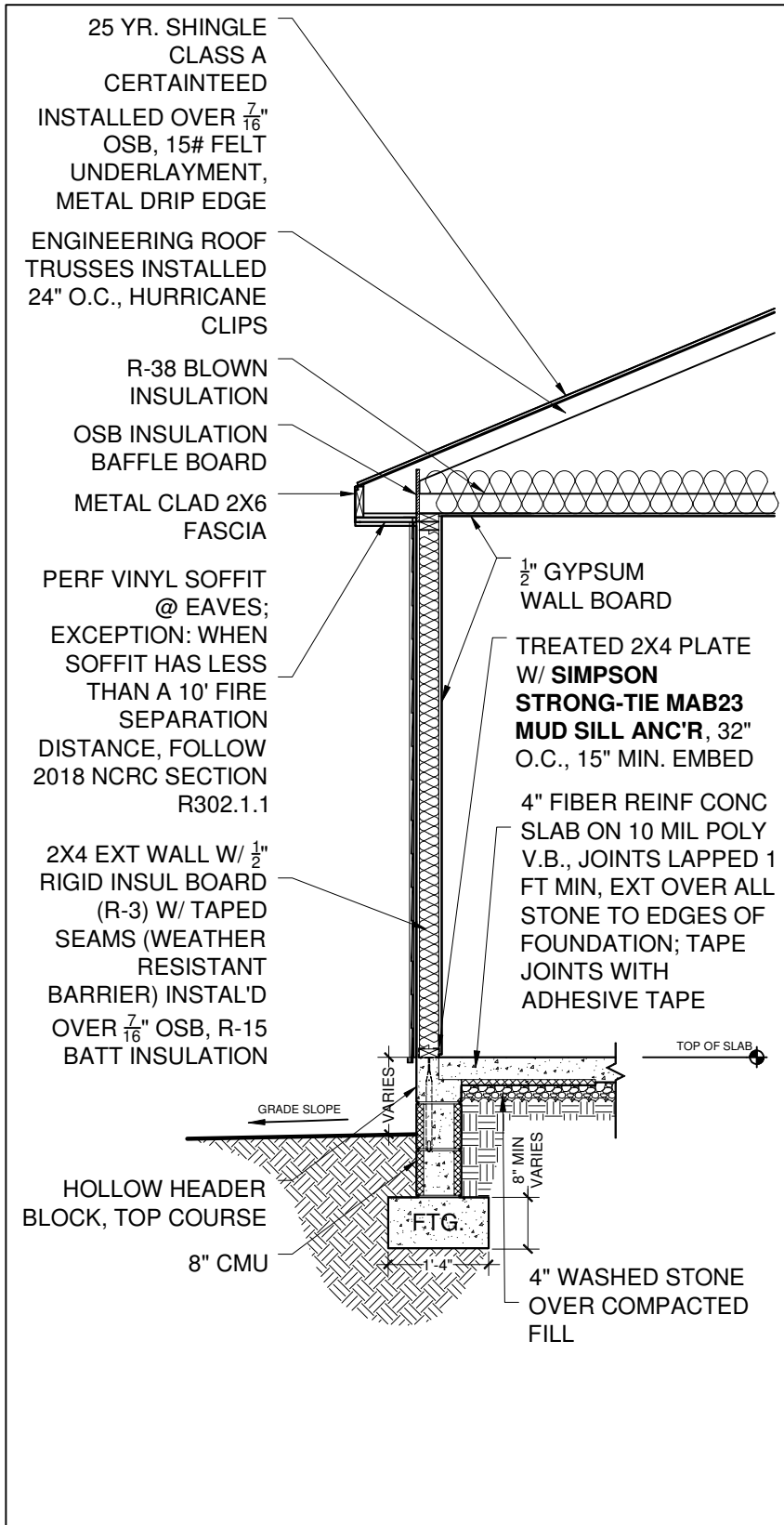
CRAWL FRAMING NOTES:

- 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 SYSTEM:

- Mud sill: 2X6 pressure treated lumber attached to foundation walls using pre-placed $\frac{1}{2}$ " \varnothing 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 piers 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 $\frac{3}{4}$ " T&G plywood, installed perpendicular to floor joists, fastened with 8d common nails.





1 EXTERIOR WALL SECTION (TYP)

2 FRONT PORCH/BEAM SECTION

3 SECTION @ SIDE PORCH (IF APPLICABLE)

Stud Spacing:
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.

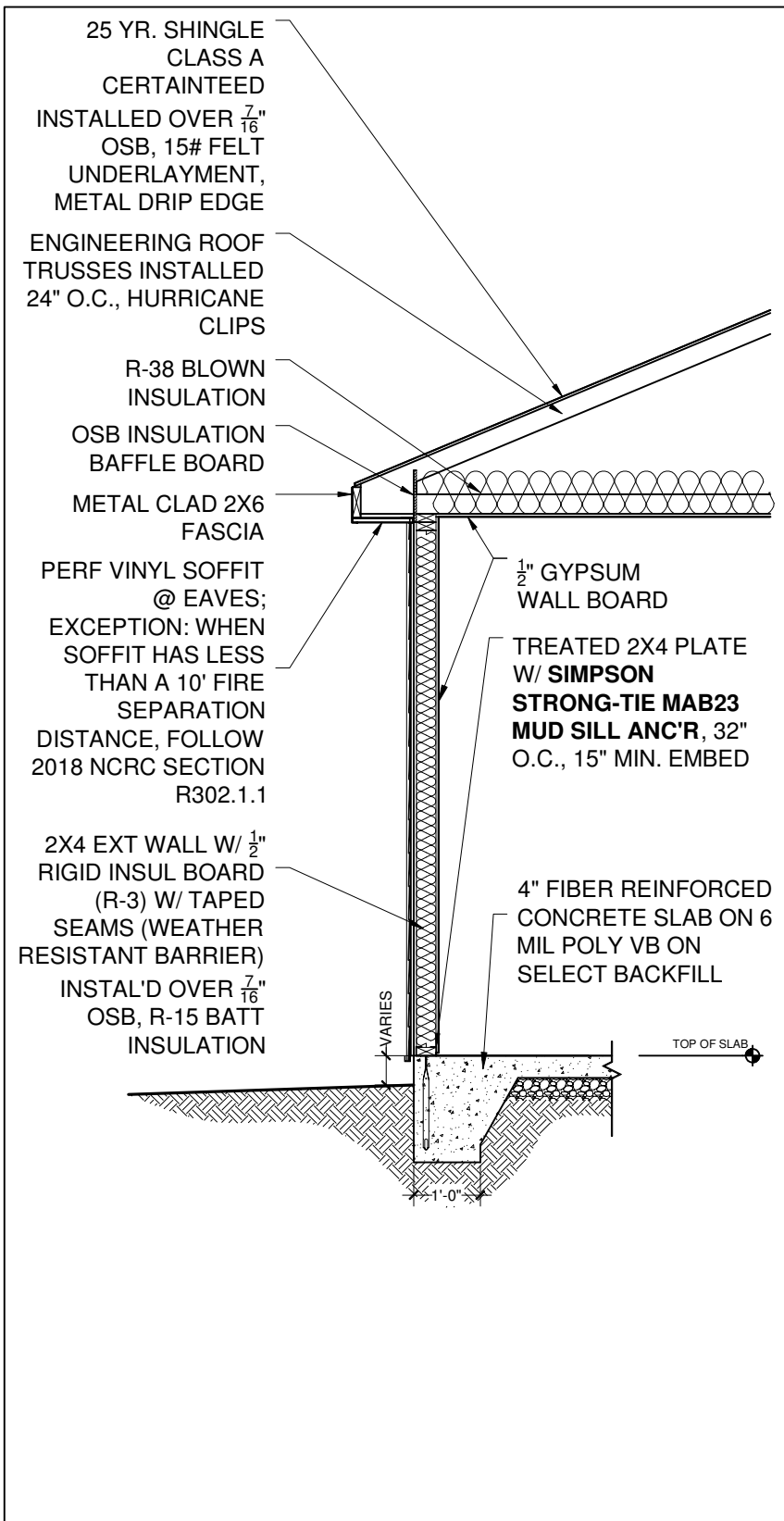
Note:
This house shall not be constructed on a site where finished face of exterior walls is less than 5' from property lines.

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

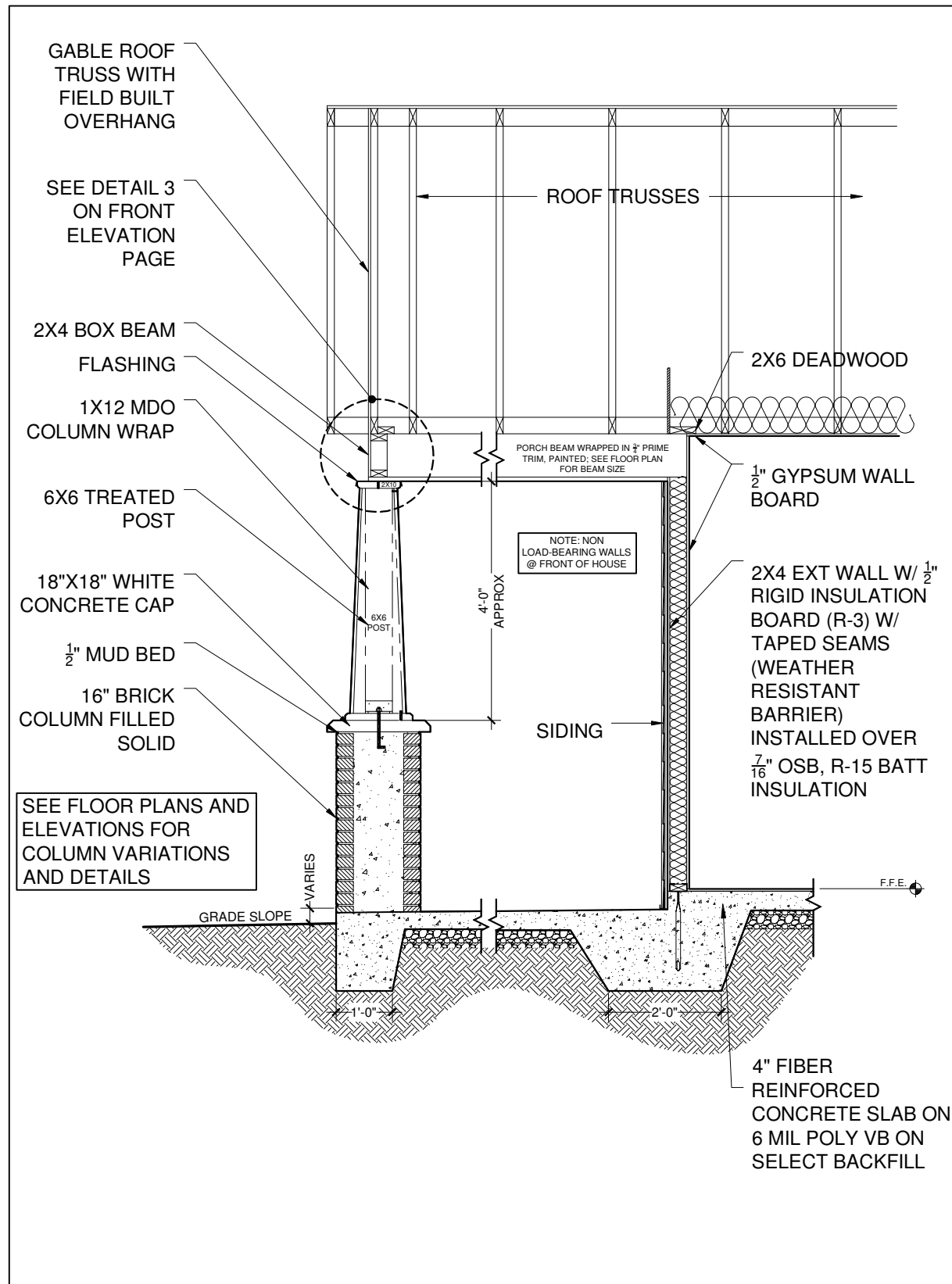
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FLOOR PLAN: WALL SECTIONS DWG DATE: JAN 10, 2019
SHEET TITLE: HISTORIC B SLAB PLOT DATE: Jan. 11, 19



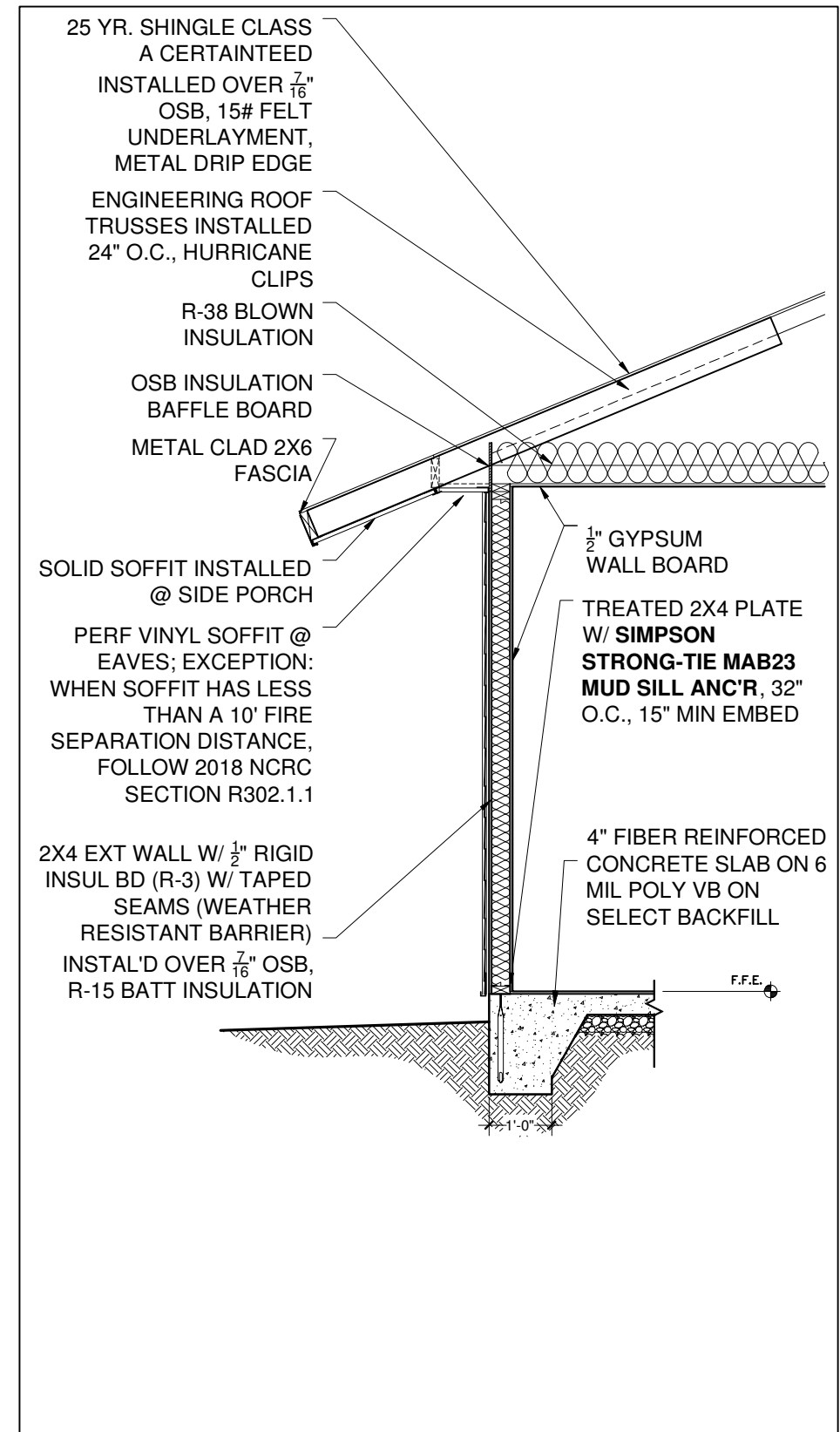
SHEET #:
WS-1



1 EXTERIOR WALL SECTION (TYP)



2 FRONT PORCH/BEAM SECTION



3 SECTION @ SIDE PORCH (IF APPLICABLE)

Stud Spacing:
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.

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

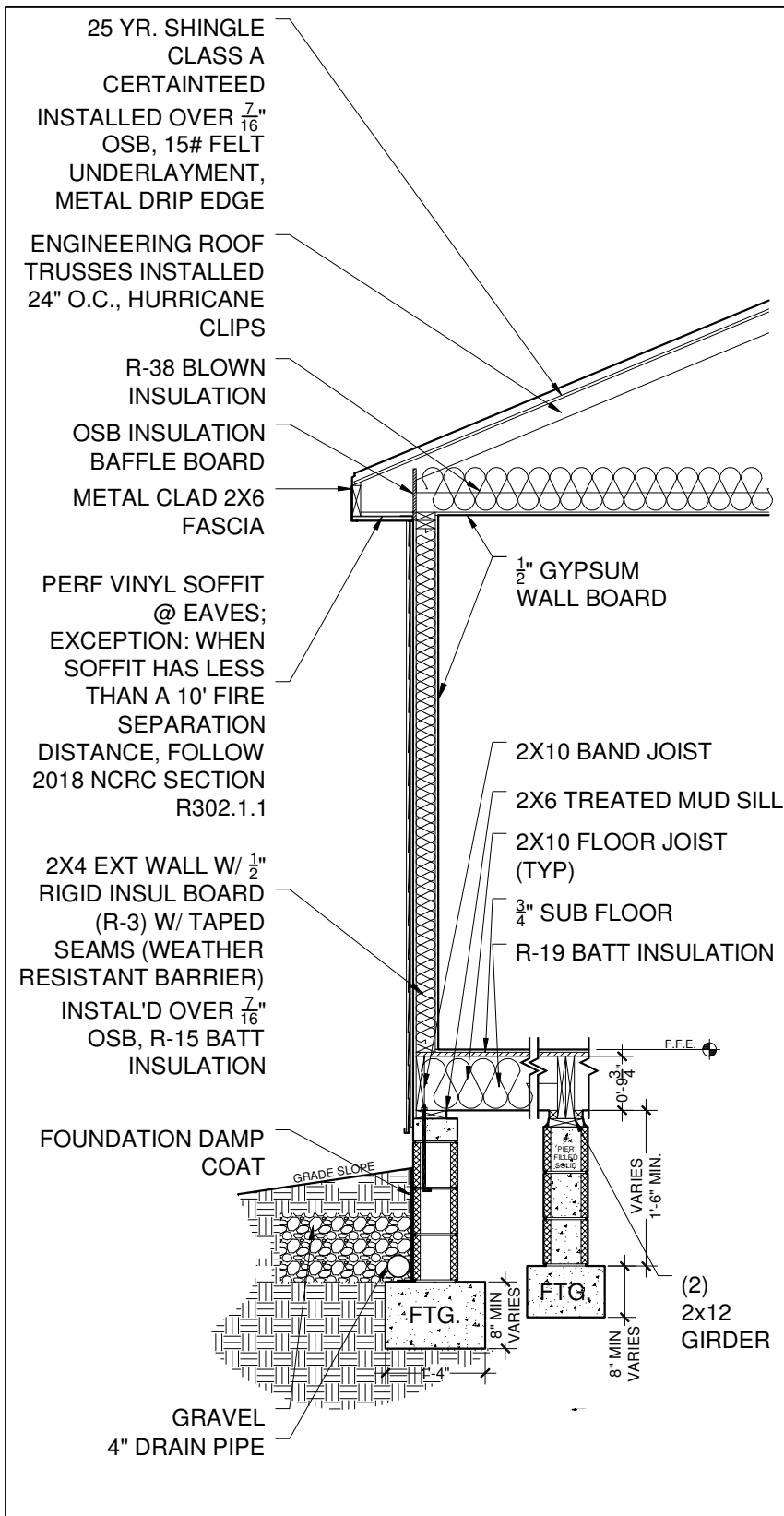
HABITAT FOR HUMANITY CHARLOTTE
CONTACT: CARRIE MASTO cmasto@habitatcharlotte.org

FILE:WALL SECTIONS 2018.dwg
FLOOR PLAN:WALL SECTIONS DWG DATE: JAN 10, 2019
SHEET TITLE:MONO SLAB PLOT DATE: Jan. 11, 19

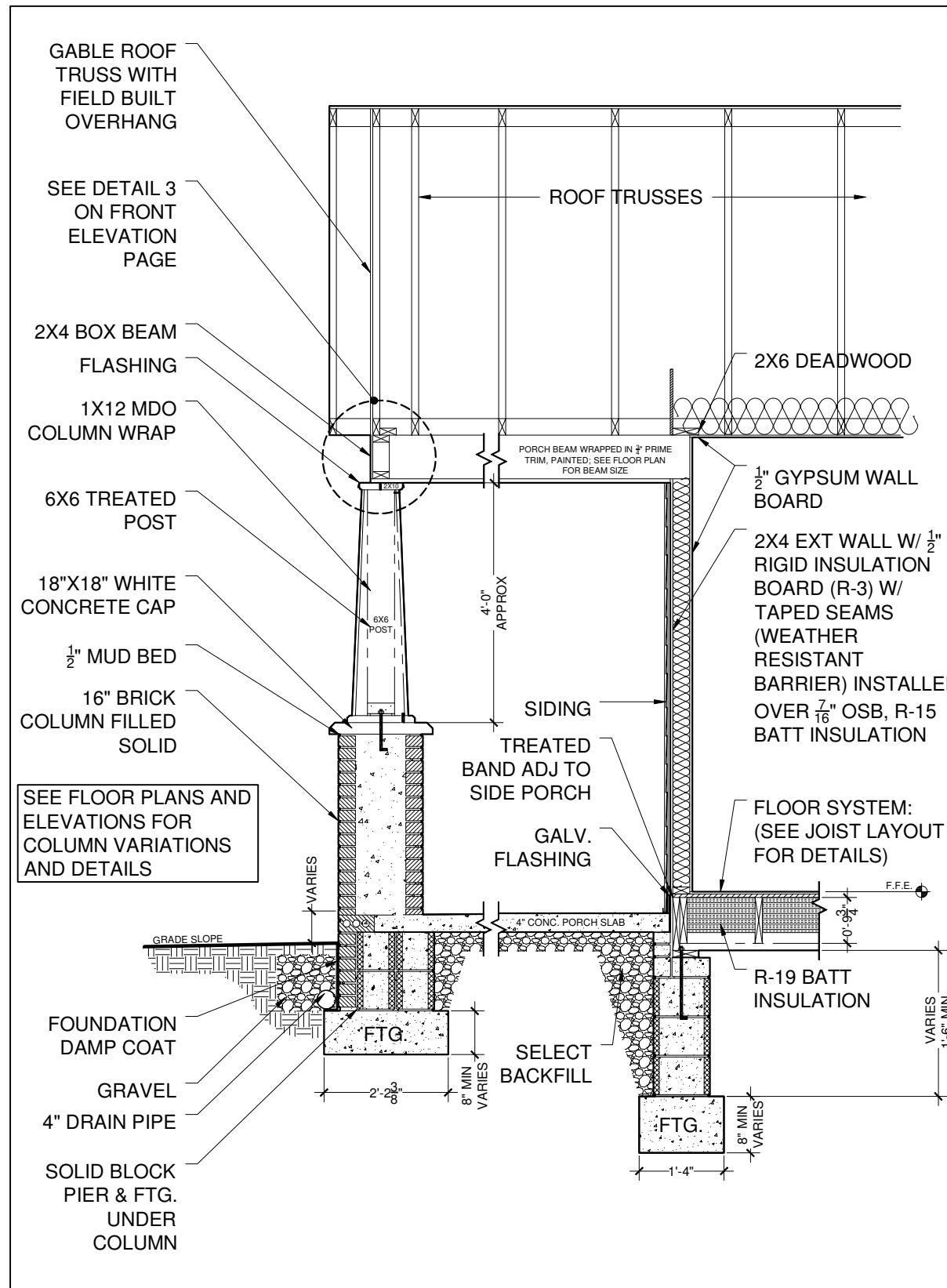


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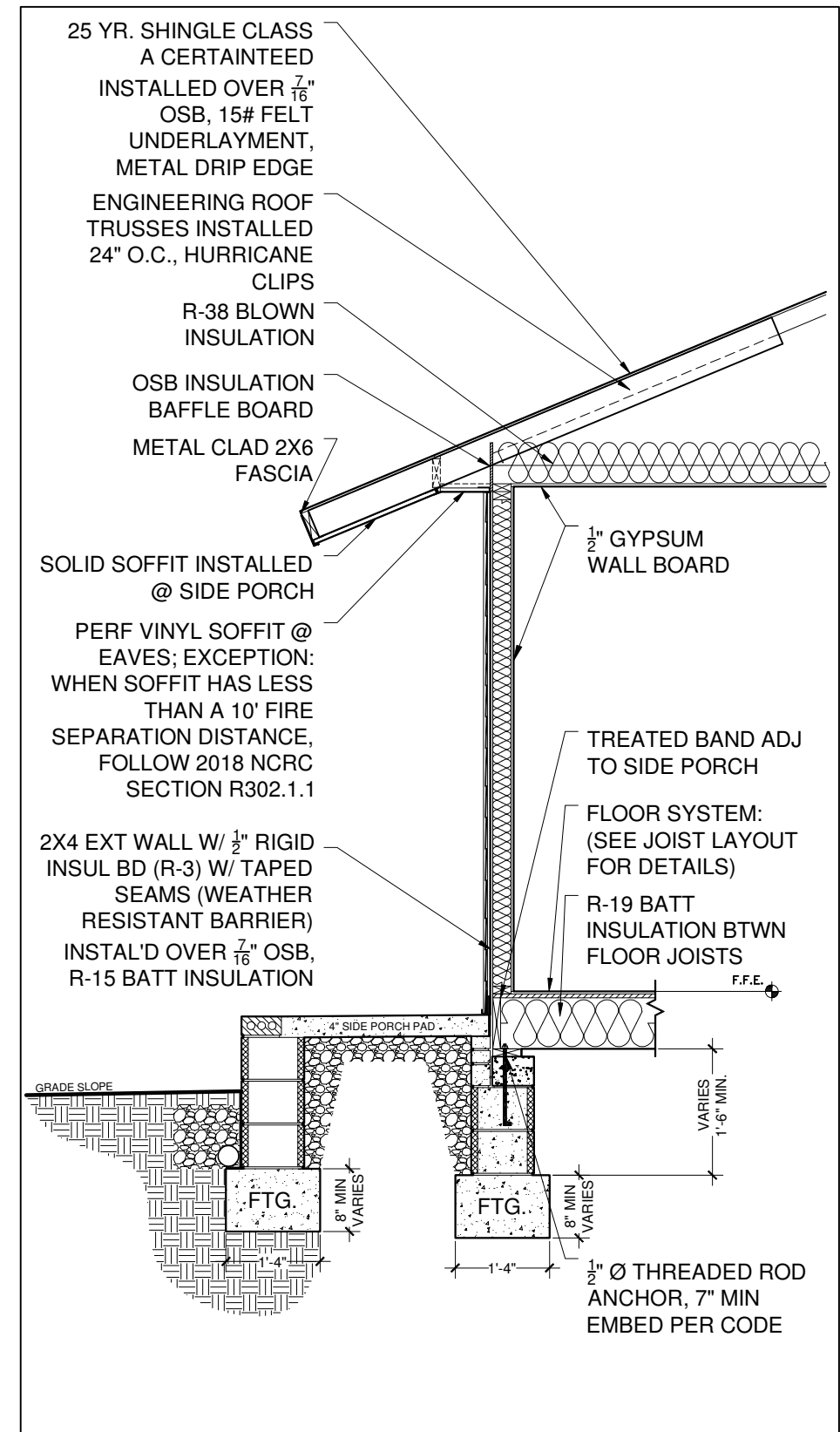
WS-2



1 EXTERIOR WALL SECTION (TYP)



2 FRONT PORCH/BAM SECTION



3 SECTION @ SIDE PORCH (IF APPLICABLE)

Stud Spacing:
 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.

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

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

FILE:WALL SECTIONS 2018.dwg
 FLOOR PLAN: WALL SECTIONS DWG DATE: JAN 10, 2019
 SHEET TITLE: HISTORIC B CRAWL PLOT DATE: Jan. 11, 19



SHEET #:

WS-3