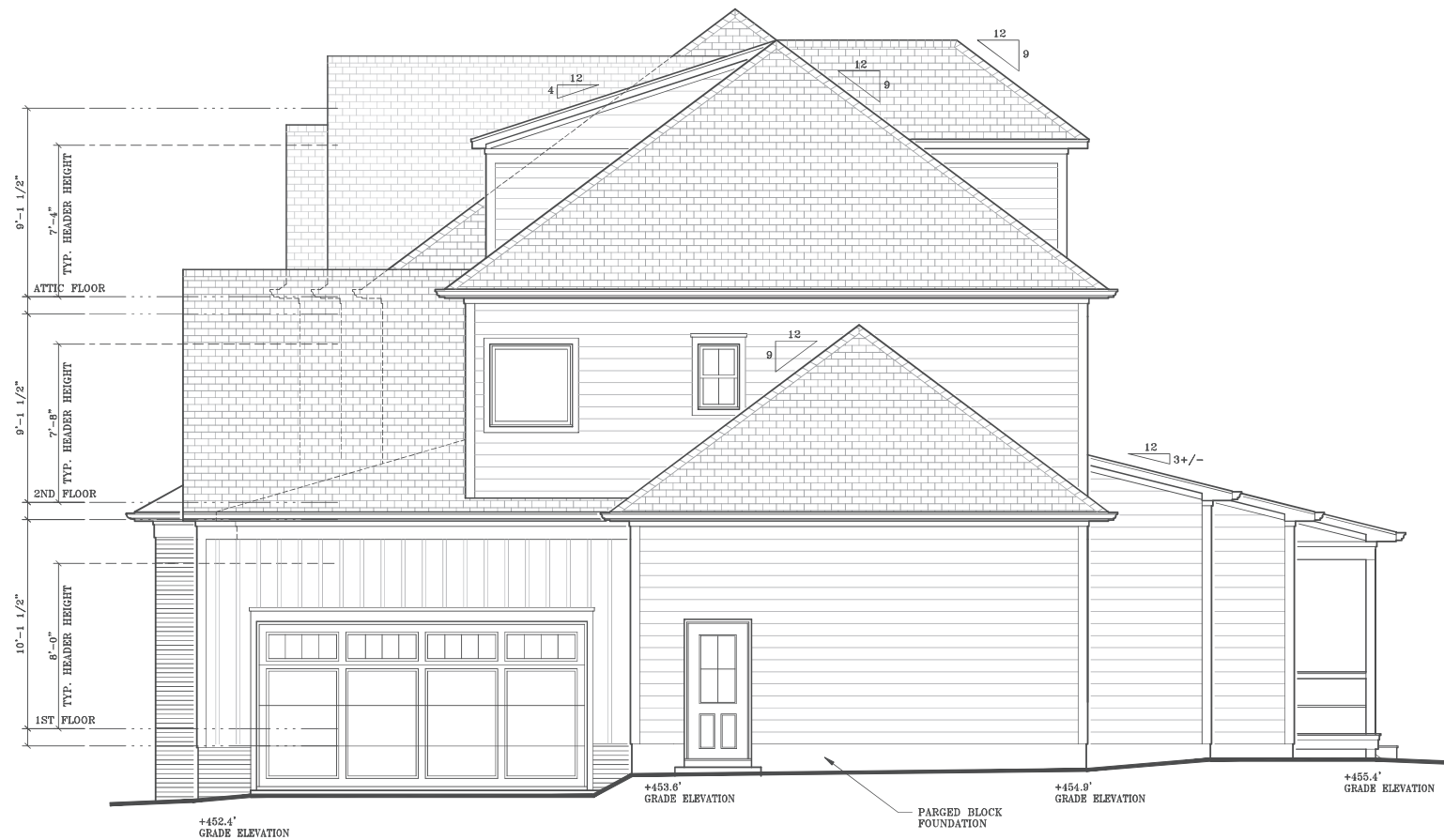
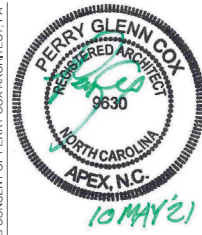




**01 Front Elevation 'B'** Scale: 1/4" = 1'-0"



**02 Right Side Elevation** Scale: 3/16" = 1'-0"



**Perry Cox**  
 architect, p.a.  
 124 Salem Towne Court  
 Apex, North Carolina 27502  
 P: 919.363.5411  
 www.pcoxdesign.com

**Innovative**  
 Construction Group, LLC  
 4020 Wake Forest Rd, Suite 306  
 Raleigh, North Carolina 275609

10 May 2021

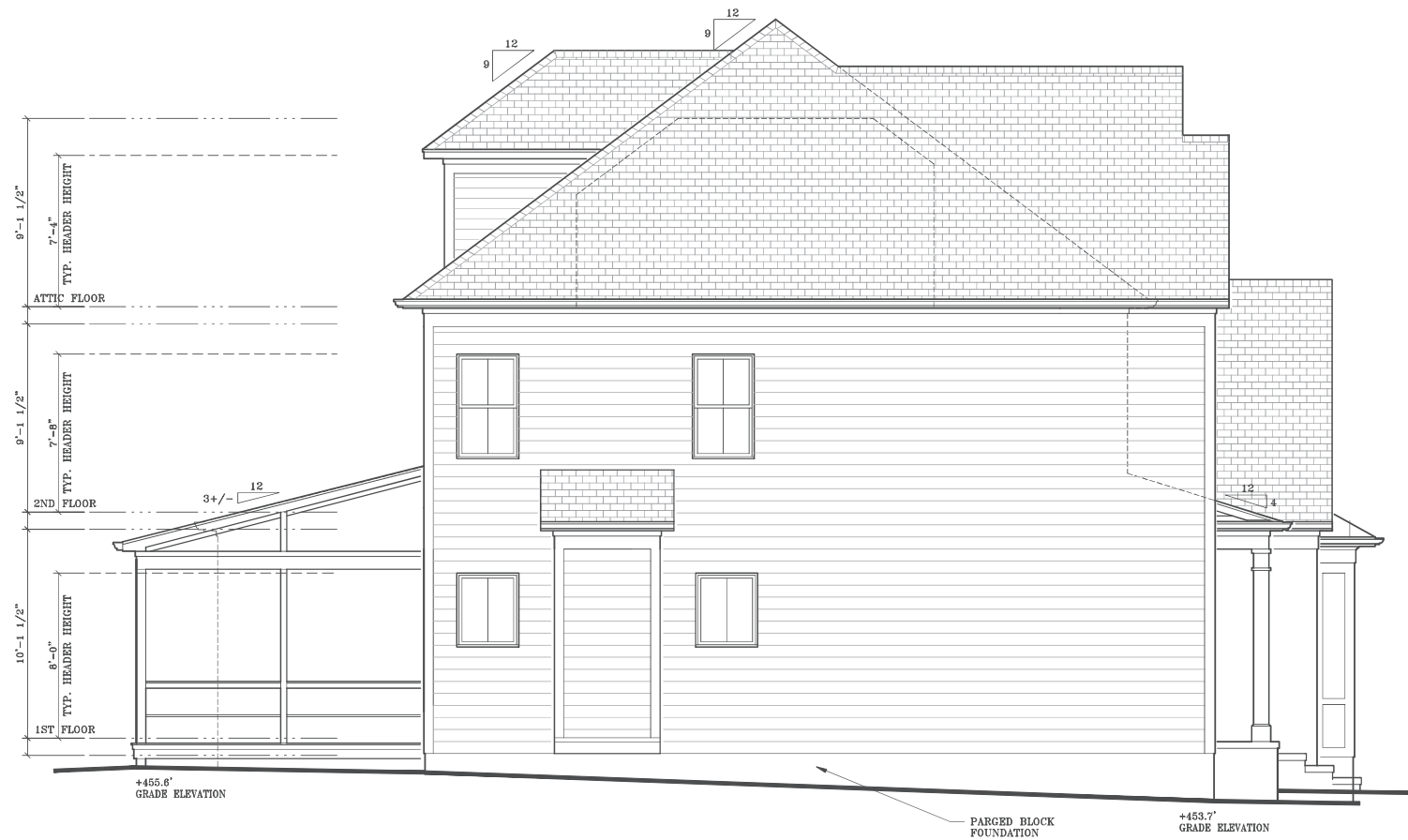
**A1**

© 2017-2021 PERRY COX ARCHITECT, P.A. RESERVES ITS COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THEY ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY MANNER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT OF PERRY COX ARCHITECT, P.A.



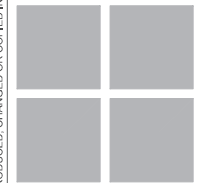
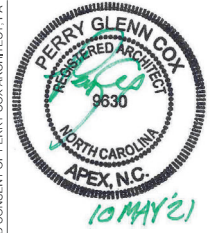
**03 Rear Elevation**

Scale: 3/16" = 1'-0"



**02 Left Side Elevation**

Scale: 3/16" = 1'-0"



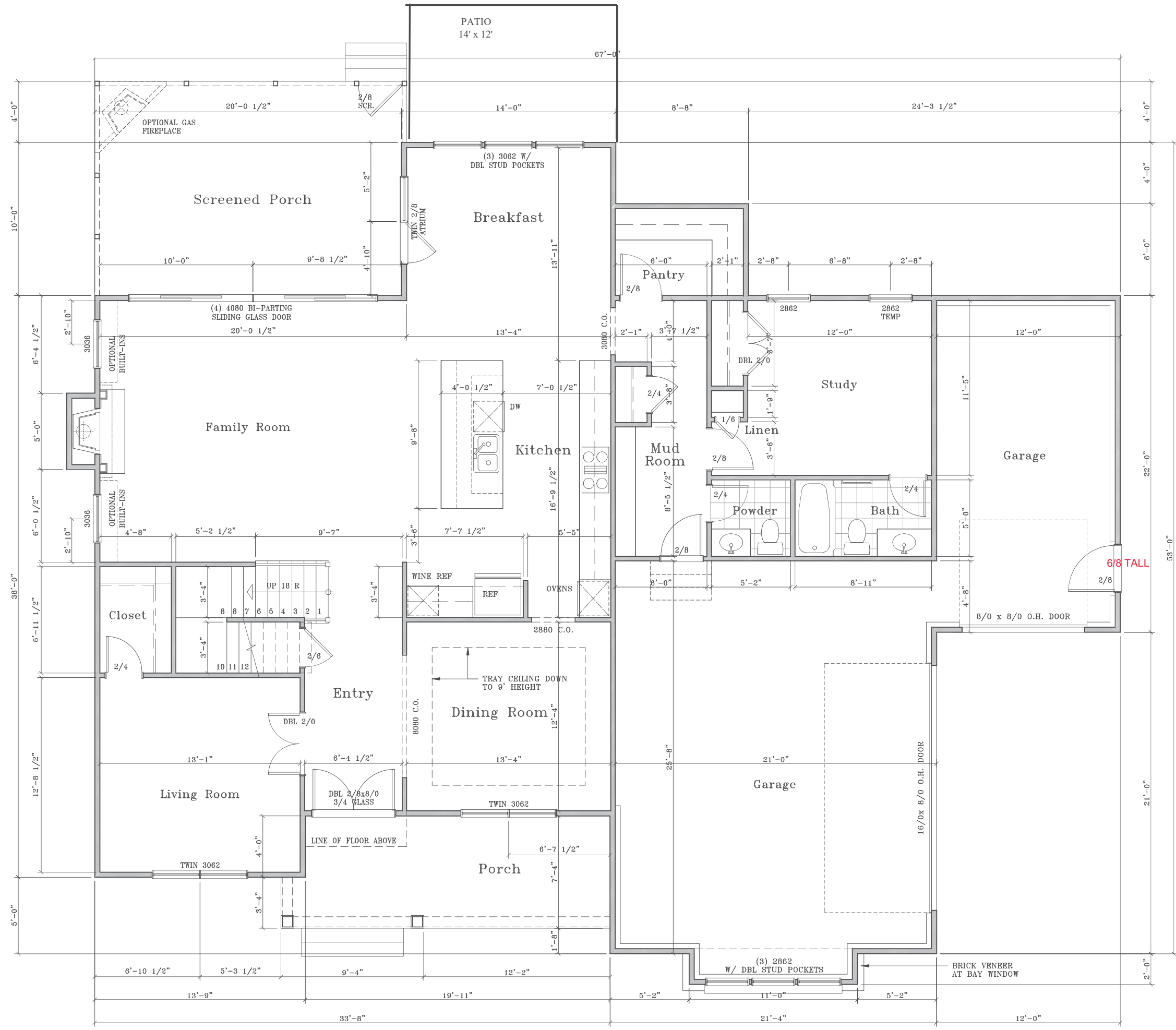
**Perry Cox**  
architect, p.a.  
124 Salem Towne Court  
Apex, North Carolina 27502  
P: 919.363.5411  
www.pcoxdesign.com

**Innovative**  
Construction Group, LLC  
4020 Wake Forest Rd, Suite 306  
Raleigh, North Carolina 275609

10 May 2021

**A2**

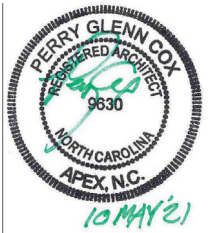
© 2017-2021 PERRY COX ARCHITECT, P.A. RESERVES ITS COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THEY ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY MANNER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT OF PERRY COX ARCHITECT, P.A.



**01 First Floor Plan**

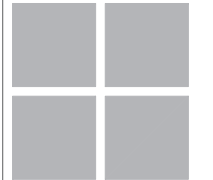
Scale: 1/4" = 1'-0"

ALL 6/2 WINDOWS TO BE 6/0 TALL



**Area Data**

2ND FLOOR	1,992
1ST FLOOR	1,710
TOTAL HEATED	3,702
ATTIC FINISHED	456
ATTIC (UNFINISHED)	348
GARAGE	833
FRONT PORCH	125
SCREENED PORCH	192



**Perry Cox**  
architect, p.a.

124 Salem Towne Court  
Apex, North Carolina 27502  
P: 919.363.5411  
www.pcoxdesign.com

**Innovative**  
Construction Group, LLC  
4020 Wake Forest Rd., Suite 306  
Raleigh, North Carolina 27569

10 May 2021

**A3**

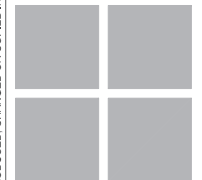
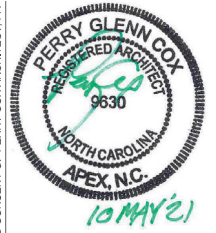
© 2017-2021 PERRY COX ARCHITECT, P.A. RESERVES ITS COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THEY ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY MANNER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT OF PERRY COX ARCHITECT, P.A.



**01 Second Floor Plan**

DRYWALL WDW

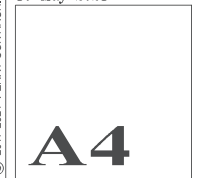
Scale: 1/4" = 1'-0"



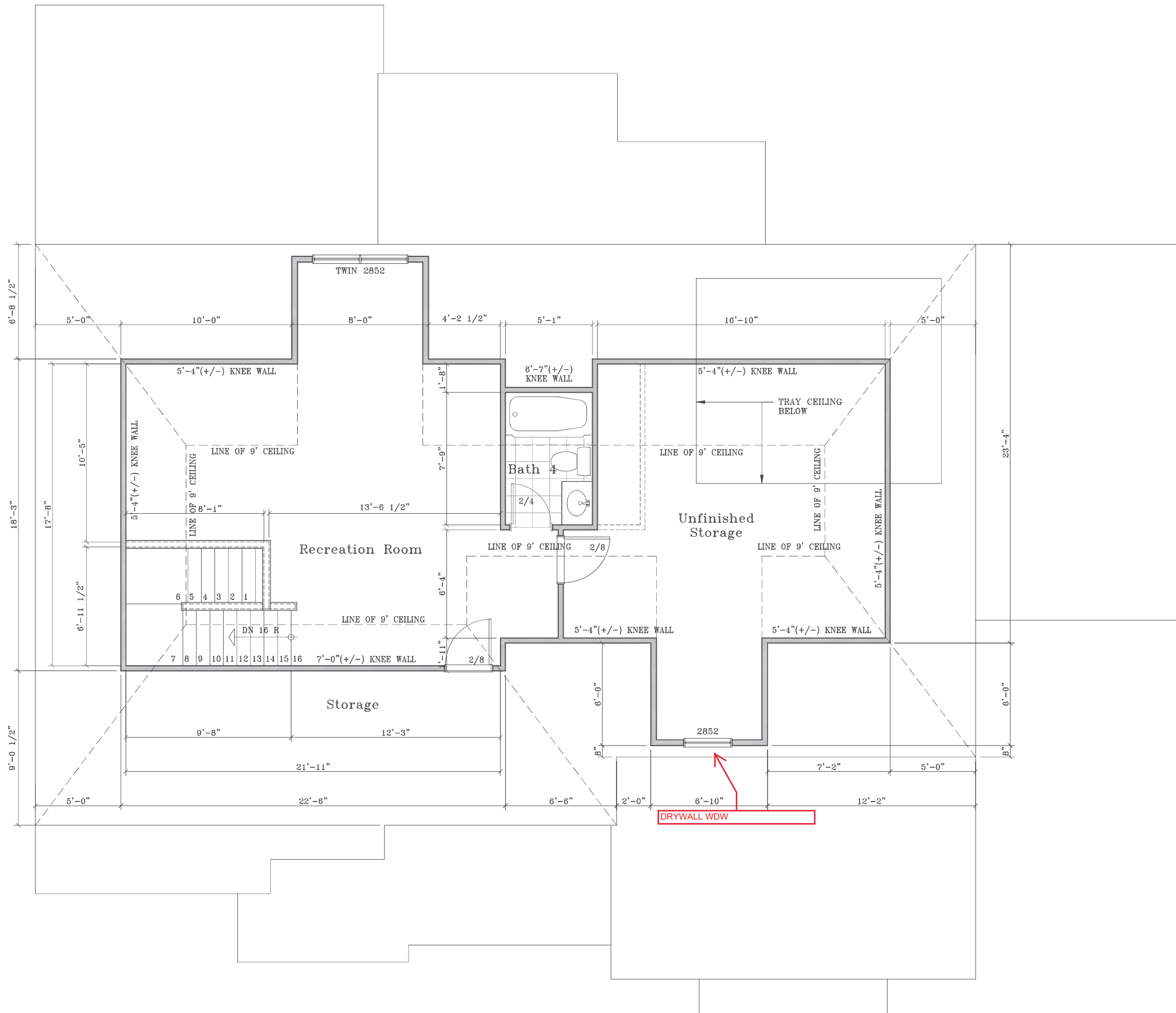
**Perry Cox**  
 architect, p.a.  
 124 Salem Towne Court  
 Apex, North Carolina 27502  
 P: 919.363.5411  
 www.pcoxdesign.com

**Innovative**  
 Construction Group, LLC  
 4020 Wake Forest Rd., Suite 306  
 Raleigh, North Carolina 27569

10 May 2021

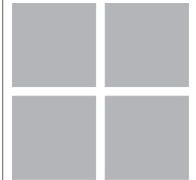
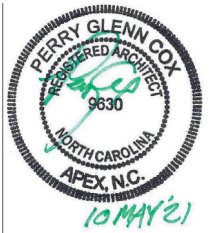


© 2017-2021 PERRY COX ARCHITECT, P.A. RESERVES ITS COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THEY ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY MANNER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT OF PERRY COX ARCHITECT, P.A.



**01 Optional Walk-Up Attic**

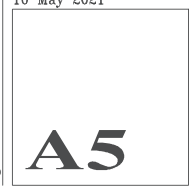
Scale: 1/4" = 1'-0"



**Perry Cox**  
architect, p.a.  
124 Salem Towne Court  
Apex, North Carolina 27502  
P: 919.363.5411  
www.pcoxdesign.com

**Innovative**  
Construction Group, LLC  
4020 Wake Forest Rd., Suite 306  
Raleigh, North Carolina 27569

10 May 2021



© 2017-2021 PERRY COX ARCHITECT, P.A. RESERVES ITS COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THEY ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY MANNER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT OF PERRY COX ARCHITECT, P.A.

# STRUCTURAL NOTES

- ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS INCLUDING ROOF RAFTERS, HIPs, VALLEYS, RIDGES, FLOORS, WALLS, BEAMS AND HEADERS, COLUMNS, CANTILEVERS, OFFSET LOAD BEARING WALLS, PIER & GIRDER SYSTEM AND FOOTING. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT INCLUDING ROOF SYSTEM.
- ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE NORTH CAROLINA STATE RESIDENTIAL CODE - 2018 EDITION, PLUS ALL LOCAL CODES AND REGULATIONS. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR, AND WILL NOT HAVE CONTROL OF, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE CONSTRUCTION WORK; NOR WILL THE ENGINEER BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- DESIGN LOADS (R301.4)

	LIVE LOAD (PSF)	DEAD LOAD (PSF)	DEFLECTION (LL)
ROOMS (other than sleeping)	40	10	L/360
SLEEPING ROOMS	30	--	L/360
ATTIC WITH STORAGE	20	10	L/240
ATTIC WITHOUT STORAGE	10	10	L/240
STAIRS	40	10	L/240
EXTERIOR BALCONIES	60	10	L/360
DECKS	40	10	L/360
GUARDRAILS & HANDRAILS	200	--	--
PASSENGER VEHICLE GARAGES	50	10	L/360
FIRE ESCAPES	40	10	L/360
SNOW	15	--	--
WIND LOAD	(BASED ON 115 MPH WIND VELOCITY)		
- FOR WALL BRACING REQUIREMENTS, REFER TO SECTION R602.10 OF THE NORTH CAROLINA STATE RESIDENTIAL CODE - 2018 EDITION
- CONCRETE SHALL HAVE A MINIMUM 28 DAY STRENGTH OF 3000 PSI AND A MAXIMUM SLUMP OF 5 INCHES UNLESS NOTED OTHERWISE (UNO).
- ALL FRAMING LUMBER SHALL BE SPF #2 (Fb = 1000 PSI) UNLESS NOTED OTHERWISE (UNO).
- ALL WOODEN BEAMS AND HEADERS SHALL HAVE THE FOLLOWING END SUPPORTS: (1) 2x4 STUD COLUMN FOR 6'-0" MAX. BEAM SPAN, (2) STUDS FOR BEAM SPAN GREATER THAN 6'-0" (UNO). ALL BEARING HEADERS AND HEADERS OVER 6'-0" IN LENGTH SHALL BE (2) 2x10's (UNO).
- L.V.L. SHALL BE LAMINATED VENEER LUMBER OR PARRALLEL STRAND LUMBER (PSL) WITH THE FOLLOWING PROPERTIES: Fb = 2800 PSI, Fv = 285 PSI, E = 1,900,000 PSI. INSTALL ALL CONNECTIONS PER MANUFACTURERS INSTRUCTIONS.
- ALL STRUCTURAL STEEL SHALL BE ASTM A-36. STEEL BEAMS SHALL BE SUPPORTED AT EACH END WITH A MINIMUM BEARING LENGTH OF 3 1/2" INCHES AND FULL FLANGE WIDTH. PROVIDE SOLID BEARING FROM BEAM SUPPORT TO FOUNDATION. BEAMS SHALL BE ATTACHED TO EACH SUPPORT WITH TWO LAG SCREWS (1/2" DIAMETER x 4" LONG). LATERAL SUPPORT IS CONSIDERED ADEQUATE PROVIDING THE JOIST ARE TOE NAILED TO THE SOLE PLATE, AND SOLE PLATE IS NAILED OR BOLTED TO THE BEAM FLANGE @ 48" O.C. .
- FLITCH BEAMS SHALL BE BOLTED TOGETHER USING 1/2" DIAMETER BOLTS (ASTM A307) WITH WASHERS PLACED UNDER THREADED END OF BOLT. BOLTS SHALL BE SPACED AT 24" CENTERS (MAXIMUM), AND STAGGERED TOP AND AT BOTTOM OF BEAM (2" EDGE DISTANCE), WITH 2 BOLTS LOCATED AT 6" FROM EACH END.
- BRICK LINTELS SHALL BE 3 1/2"x3 1/2"x1/4" STEEL ANGLE FOR UP TO 6'-0" SPAN AND 6"x4"x5/16" STEEL ANGLE WITH 6" LEG VERTICAL FOR SPANS GREATER THAN 6'-0" (UNO).

NOTE: NUMBER SHOWN AT BEAM AND HEADER SUPPORTS INDICATES NUMBER OF SUPPORT STUDS REQUIRED IN STUD POCKET.

HEADER SCHEDULE	
SPAN	SIZE
Less than 3'-0"	(2) 2 X 4
3'-0" to 4'-0"	(2) 2 X 6
4'-0" to 5'-0"	(2) 2 X 8
5'-0" to 8'-0"	(2) 2 X 10

\*\*ALL EXTERIOR OR LOAD BEARING HEADERS SHALL BE (2) 2x10 UNLESS OTHERWISE NOTED

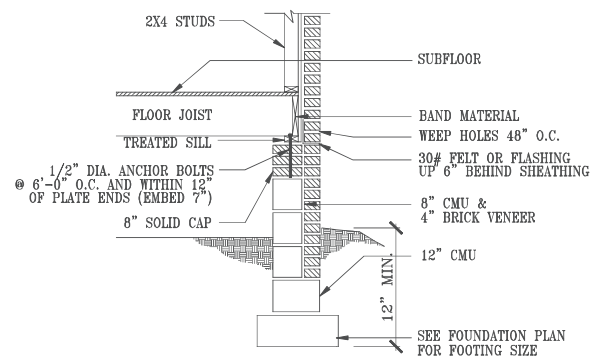
- NOTE:
- OPENINGS LESS THAN 5'-0" USE ONE KING STUD  
OPENINGS 5'-1" TO 8'-0" USE TWO KING STUDS  
OPENINGS GREATER THAN 8'-0" USE THREE KING STUDS EACH END OF HEADER, UNLESS NOTED OTHERWISE.
  - HEADER SIZES SHOWN ON PLANS ARE MINIMUMS. GREATER HEADER SIZES MAY BE USED FOR EASE OF CONSTRUCTION.

Header Schedule	
- ALL HEADERS IN EXTERIOR WALLS ARE (2) 2x10, UNLESS NOTED OTHERWISE	
- ALL HEADERS IN INTERIOR LOAD-BEARING WALLS ARE (2) 2x10, U.N.O.	
- HEADERS FOR INTERIOR NON-LOAD BEARING WALLS ARE AS LISTED BELOW, U.N.O.:	
SPAN	SIZE
Less than 3'-0"	(2) 2x4
3'-0" to 4'-0"	(2) 2x6
4'-0" to 5'-0"	(2) 2x8
5'-0" to 8'-0"	(2) 2x10

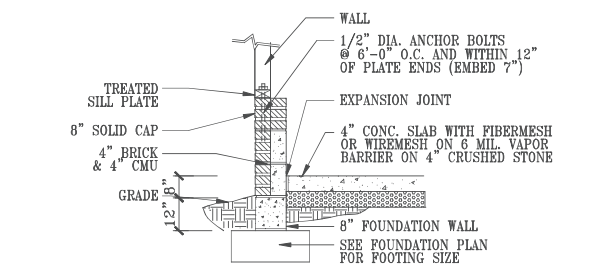
NOTE: NUMBER SHOWN AT BEAM AND HEADER SUPPORTS INDICATE NUMBER OF SUPPORT STUDS REQUIRED IN STUD POCKET.

GB-2	INDICATES GB WALL BRACING W/ 1 1/4" SCREWS (TYPE W OR S) AT 7" O.C. AT PANEL EDGES AND INTERMEDIATE SUPPORTS. (BOTH SIDES)
GB-1	INDICATES GB WALL BRACING ONE-SIDE W/ 1 1/4" SCREWS (TYPE W OR S) AT 7" O.C. AT PANEL EDGES AND INTERMEDIATE SUPPORTS.
GB-4	INDICATES GB WALL BRACING W/ 1 1/4" SCREWS (TYPE W OR S) AT 4" O.C. AT PANEL EDGES AND 7" O.C. AT INTERMEDIATE SUPPORTS WITH BLOCKING AT ALL HORIZONTAL SUPPORTS.
CS-INT	INDICATES INTERIOR WALL BRACING WITH APA RATED SHEATHING ON ONE SIDE W/ 6d COMMON NAILS AT 6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS.
CS-WSP	CONTINUOUS SHEATHING - WALL STRUCTURAL PANEL.

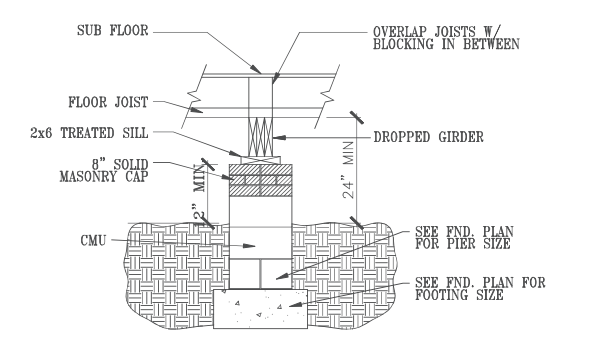
- ### BRACED WALL SYSTEM REQUIREMENTS
- WALL FRAMING TO BE CONSTRUCTED PER R602.3(1)
  - EXTERIOR WALLS SHALL USE CONTINUOUS SHEATHING METHOD (CS-WSP) AS SPECIFIED IN R602.10.4 AND R602.10.5 WITH 6d COMMON NAILS AT 6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS, UNLESS NOTED OTHERWISE.
  - INTERIOR BRACED WALL PANELS, IF SPECIFIED, SHALL USE 1/2" G.W.B. BOTH SIDES ATTACHED PER R602.10.2 (GB) UNLESS NOTED OTHERWISE.
  - INTERIOR BRACED WALL PANELS, IF SPECIFIED, SHALL BE ATTACHED TOP AND BOTTOM PER R602.10.6
  - EXTERIOR WALL BRACING PORTAL FRAMES WITH HOLD DOWNS SHALL BE INSTALLED PER R602.10.3.3 OR BY ALTERNATE DETAIL PROVIDED.
  - WALL FRAMING = 2x4 SPF #2 AT 16" O.C., U.N.O.
  - ROOF SHEATHING MIN. 7/16" APA RATED SHEATHING



A CRAWL SECTION NTS



B GARAGE SLAB NTS



C DROPPED GIRDER NTS

### NOTES

ASSUMED SOIL BEARING CAPACITY = 2000 PSF. CONTRACTOR MUST VERIFY SITE CONDITIONS AND CONTACT SOILS ENGINEER IF MARGINAL OR UNSUITABLE SOILS ARE ENCOUNTERED.

### FOUNDATION STRUCTURAL NOTES:

- (115 MPH WIND ZONE)
- (4) 4 X 10 SPF #2 GIRDER, TYPICAL UNO.
  - CONCRETE BLOCK PIER SIZE SHALL BE:

SIZE	HOLLOW MASONRY	SOLID MASONRY
8X16	UP TO 32" HIGH	UP TO 5'-0" HIGH
12 X 16	UP TO 48" HIGH	UP TO 9'-0" HIGH
16 X 16	UP TO 64" HIGH	UP TO 12'-0" HIGH
24 X 24	UP TO 96" HIGH	

WITH 30" X 30" X 10" CONCRETE FOOTING, UNO.
  - WALL FOOTING AS FOLLOWS:  
DEPTH: 8" - UP TO 2-1/2 STORY  
10" - 3 STORY  
WIDTH: SIDING (OR EQUAL) - 16" UP TO 2 1/2 STORY  
- 18" UP TO 3 STORY  
BRICK - 16" - 1 STORY  
- 20" - 2 STORY  
- 24" - 3 STORY
- FOR FOUNDATION WALL HEIGHT AND BACKFILL REQUIREMENTS, REFER TO NORTH CAROLINA RESIDENTIAL CODE TABLE R404.1.1A AND 404.1.1 (1 THRU 4). ASSUMED SOIL BEARING CAPACITY = 2000 PSF. CONTRACTOR MUST VERIFY SITE CONDITIONS AND CONTACT SOILS ENGINEER IF MARGINAL OR UNSTABLE SOILS ARE ENCOUNTERED.

ATTACH SILL PLATE WITH 1/2" DIA. ANCHOR BOLTS AT 6'-0" CENTERS (7" EMBEDMENT) AND 12" FROM EACH CORNER. (SECTION R403.1.6)

- DESIGNATES A SIGNIFICANT POINT LOAD TO HAVE SOLID BLOCKING TO PIER. SOLID BLOCK ALL BEAM BEARING POINTS NOTED TO HAVE THREE OR MORE STUDS TO FOUNDATION, TYPICAL.

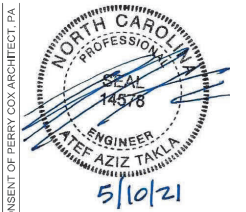
ABBREVIATIONS:  
SJ = SINGLE JOIST  
DJ = DOUBLE JOIST  
TJ = TRIPLE JOIST

### NOTES:

ALL FRAMING MEMBERS (JOISTS, GIRDERS AND HEADERS) ARE # 2 S.P.F. UNLESS NOTED

PROVIDE 36" W. x 24" H. (MIN.) ACCESS DOOR. LOCATE AS REQUIRED BY FINISHED GRADE.

FOOTING SIZES BASED ON 2,000 psf ALLOWABLE SOIL BEARING PRESSURE.



**Atif Takla, PE**  
Structural Engineer  
418 Vivaldi Drive  
Durham, NC 27712  
P: 919.358.1758



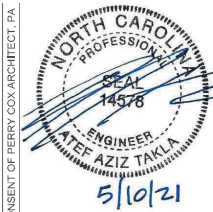
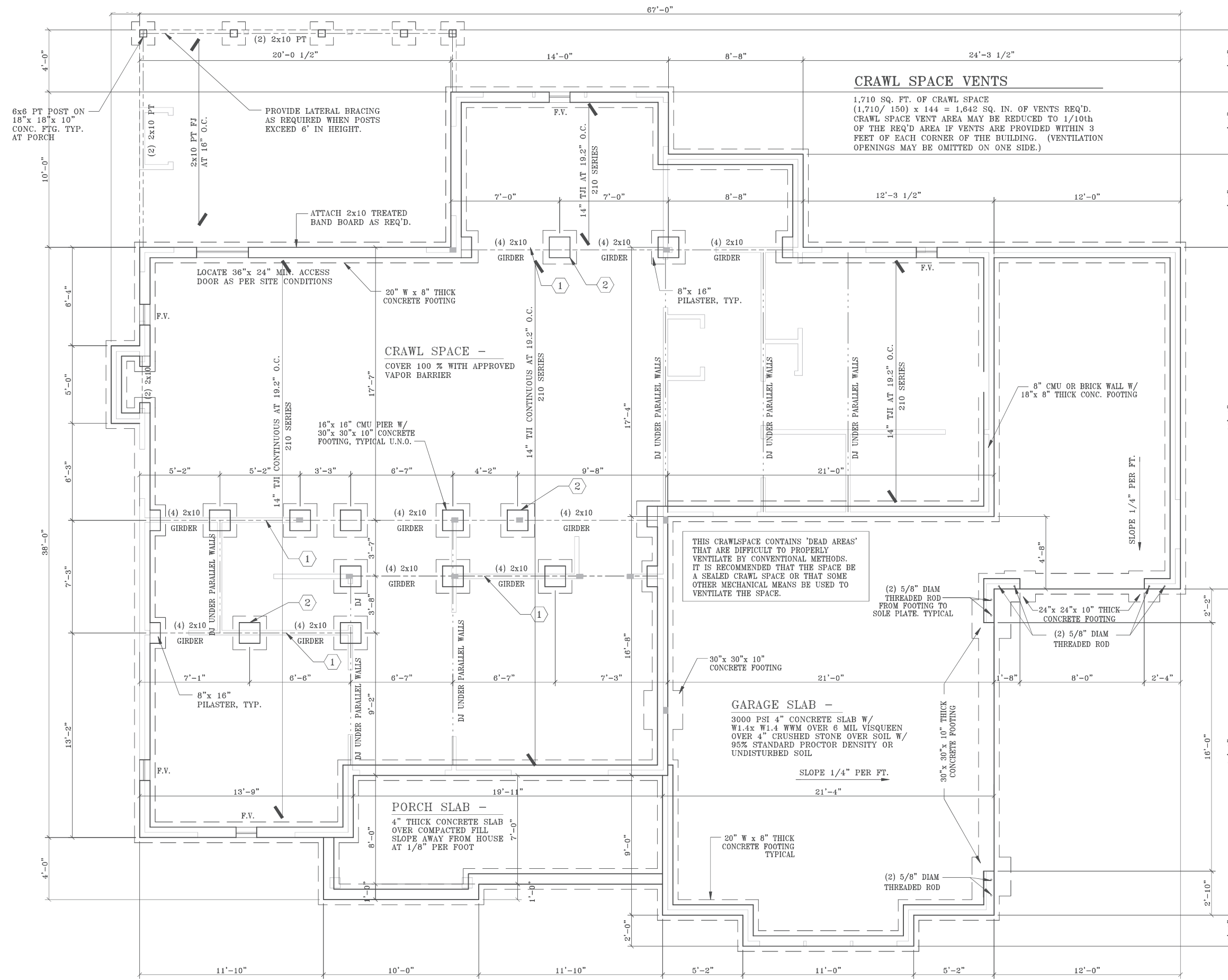
**Perry Cox**  
architect, p.a.  
124 Salem Towne Court  
Apex, North Carolina 27502  
P: 919.363.5411  
www.pcoxdesign.com

**Innovative**  
Construction Group, LLC  
4020 Wake Forest Rd, Suite 306  
Raleigh, North Carolina 27569

10 May 2021



© 2017-2021 PERRY COX ARCHITECT, P.A. RESERVES ITS COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THEY ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY MANNER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT OF PERRY COX ARCHITECT, P.A.



**Atif Takla, PE**  
 Structural Engineer  
 418 Vivaldi Drive  
 Durham, NC 27712  
 P: 919.358.1758

**Perry Cox**  
 architect, p.a.  
 124 Salem Towne Court  
 Apex, North Carolina 27502  
 P: 919.363.5411  
 www.pcoxdesign.com

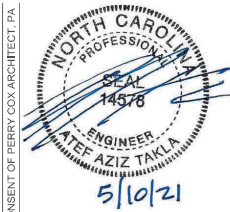
**Innovative**  
 Construction Group, LLC  
 4020 Wake Forest Rd., Suite 306  
 Raleigh, North Carolina 27569

10 May 2021  
**S1**

**01 Foundation Plan**

Scale: 1/4" = 1'-0"

© 2017-2021 PERRY COX ARCHITECT, P.A. RESERVES ITS COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THEY ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY MANNER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT OF PERRY COX ARCHITECT, P.A.



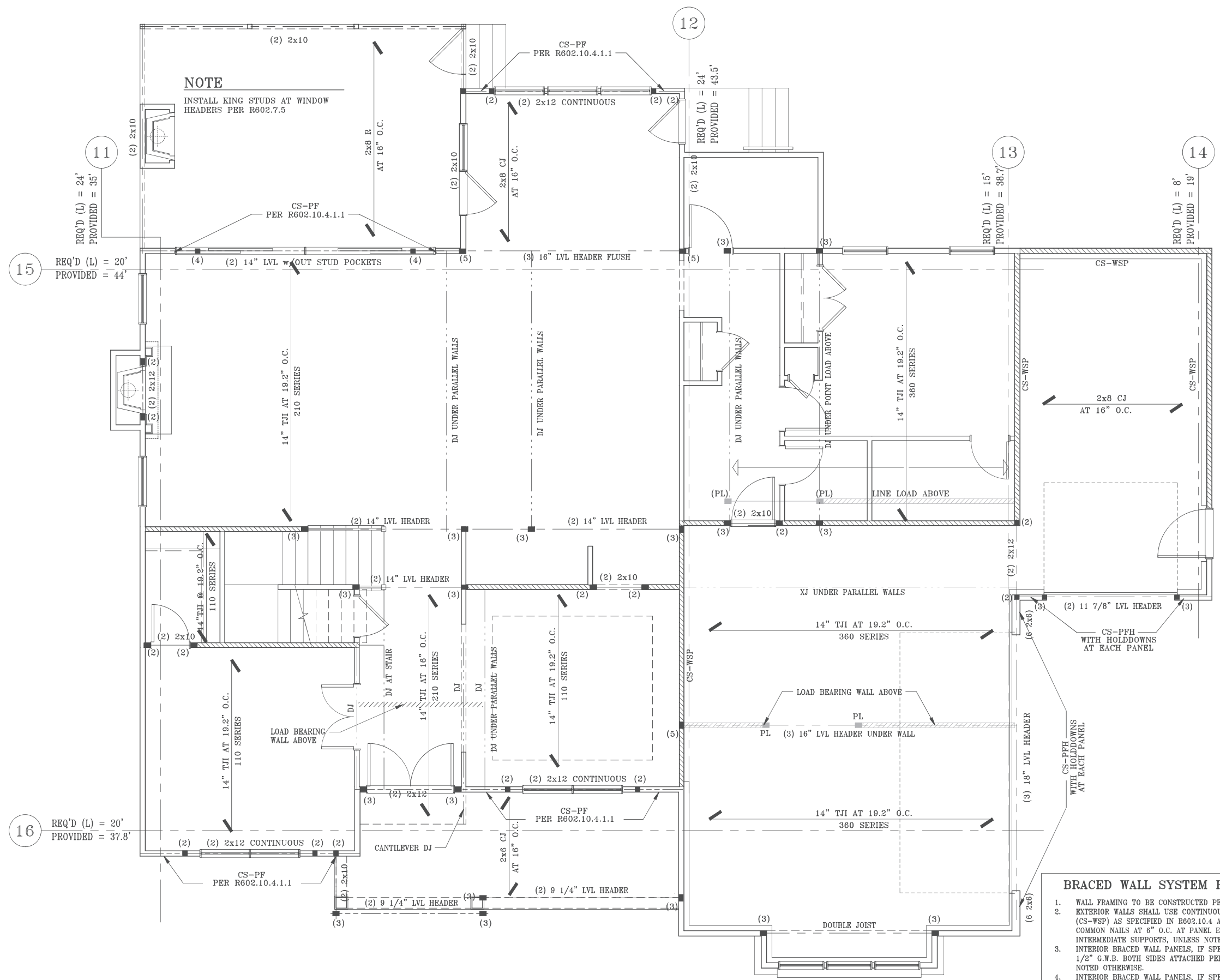
**Atif Takla, PE**  
Structural Engineer  
418 Vivaldi Drive  
Durham, NC 27712  
P: 919.358.1758

**Perry Cox**  
architect, p.a.  
124 Salem Towne Court  
Apex, North Carolina 27502  
P: 919.363.5411  
www.pcoxdesign.com

**Innovative**  
Construction Group, LLC  
4020 Wake Forest Rd., Suite 306  
Raleigh, North Carolina 27569

10 May 2021

**S2**



**01 First Floor Plan**

Scale: 1/4" = 1'-0"

- BRACED WALL SYSTEM REQUIREMENTS**
1. WALL FRAMING TO BE CONSTRUCTED PER R602.3(1)
  2. EXTERIOR WALLS SHALL USE CONTINUOUS SHEATHING METHOD (CS-WSP) AS SPECIFIED IN R602.10.4 AND R602.10.5 WITH 6d COMMON NAILS AT 6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS, UNLESS NOTED OTHERWISE.
  3. INTERIOR BRACED WALL PANELS, IF SPECIFIED, SHALL USE 1/2" G.W.B. BOTH SIDES ATTACHED PER R602.10.2 (GB) UNLESS NOTED OTHERWISE.
  4. INTERIOR BRACED WALL PANELS, IF SPECIFIED, SHALL BE ATTACHED TOP AND BOTTOM PER R602.10.6
  5. EXTERIOR WALL BRACING PORTAL FRAMES WITH HOLD DOWNS SHALL BE INSTALLED PER R602.10.3.3 OR BY ALTERNATE DETAIL PROVIDED.
  6. WALL FRAMING = 2x4 SPP #2 AT 16" O.C., U.N.O.
  7. ROOF SHEATHING MIN. 7/16" APA RATED SHEATHING

© 2017-2021 PERRY COX ARCHITECT, P.A. RESERVES ITS COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THEY ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY MANNER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT OF PERRY COX ARCHITECT, P.A.

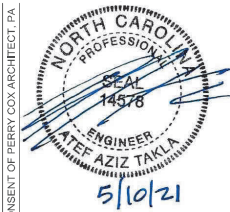


**NOTE**

INSTALL KING STUDS AT WINDOW HEADERS PER R602.7.5

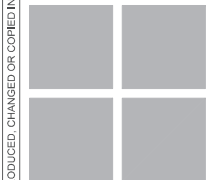
**BRACED WALL SYSTEM REQUIREMENTS**

1. WALL FRAMING TO BE CONSTRUCTED PER R602.3(1)
2. EXTERIOR WALLS SHALL USE CONTINUOUS SHEATHING METHOD (CS-WSP) AS SPECIFIED IN R602.10.4 AND R602.10.5 WITH 6d COMMON NAILS AT 6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS, UNLESS NOTED OTHERWISE.
3. INTERIOR BRACED WALL PANELS, IF SPECIFIED, SHALL USE 1/2" G.W.B. BOTH SIDES ATTACHED PER R602.10.2 (GB) UNLESS NOTED OTHERWISE.
4. INTERIOR BRACED WALL PANELS, IF SPECIFIED, SHALL BE ATTACHED TOP AND BOTTOM PER R602.10.6
5. EXTERIOR WALL BRACING PORTAL FRAMES WITH HOLD DOWNS SHALL BE INSTALLED PER R602.10.3.3 OR BY ALTERNATE DETAIL PROVIDED.
6. WALL FRAMING = 2x4 SPF #2 AT 16" O.C., U.N.O.
7. ROOF SHEATHING MIN. 7/16" APA RATED SHEATHING



**Atif Takla, PE**  
Structural Engineer

418 Vivaldi Drive  
Durham, NC 27712  
P: 919.358.1758



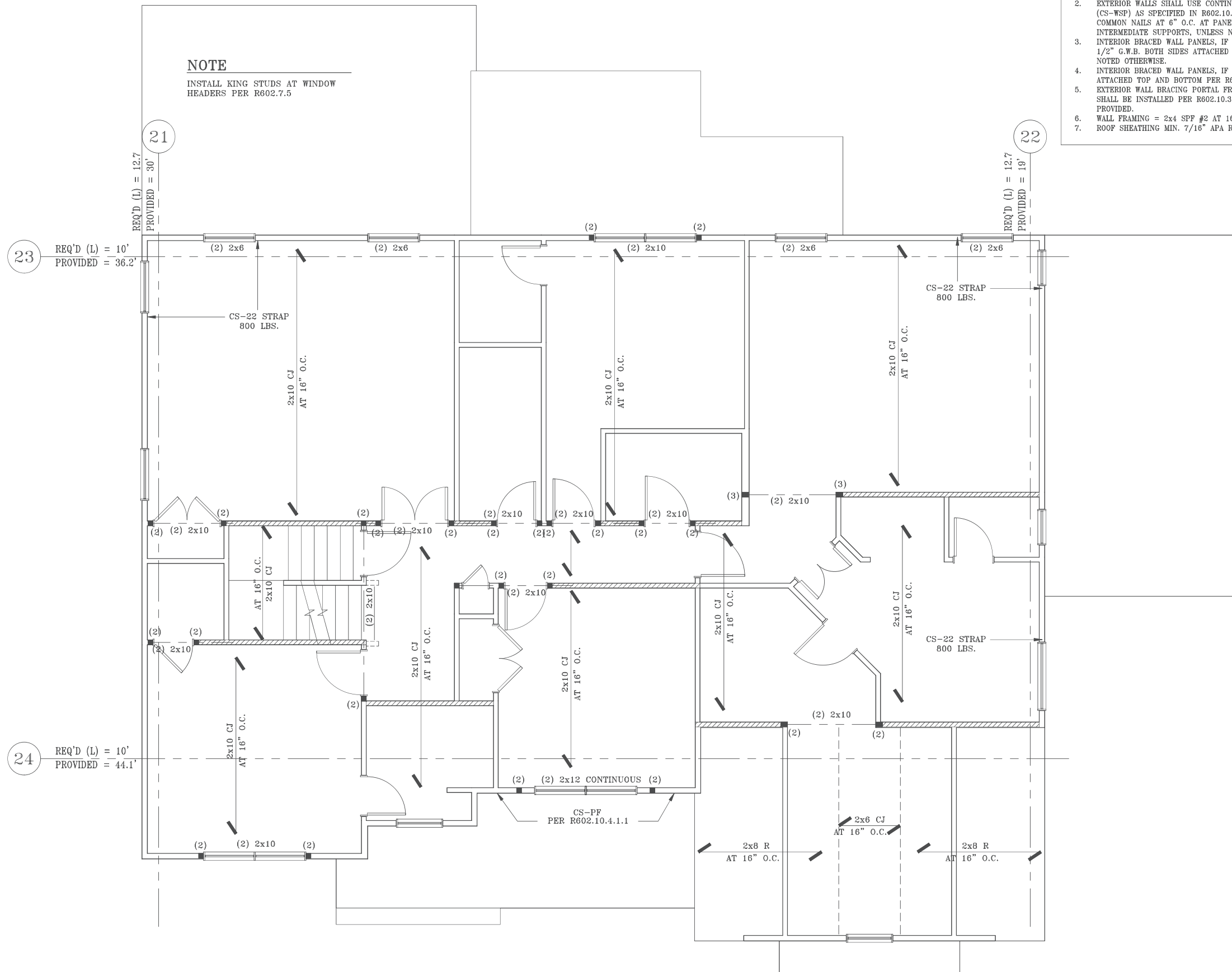
**Perry Cox**  
architect, p.a.

124 Salem Towne Court  
Apex, North Carolina 27502  
P: 919.363.5411  
www.pcoxdesign.com

**Innovative**  
Construction Group, LLC  
4020 Wake Forest Rd., Suite 306  
Raleigh, North Carolina 27569

10 May 2021

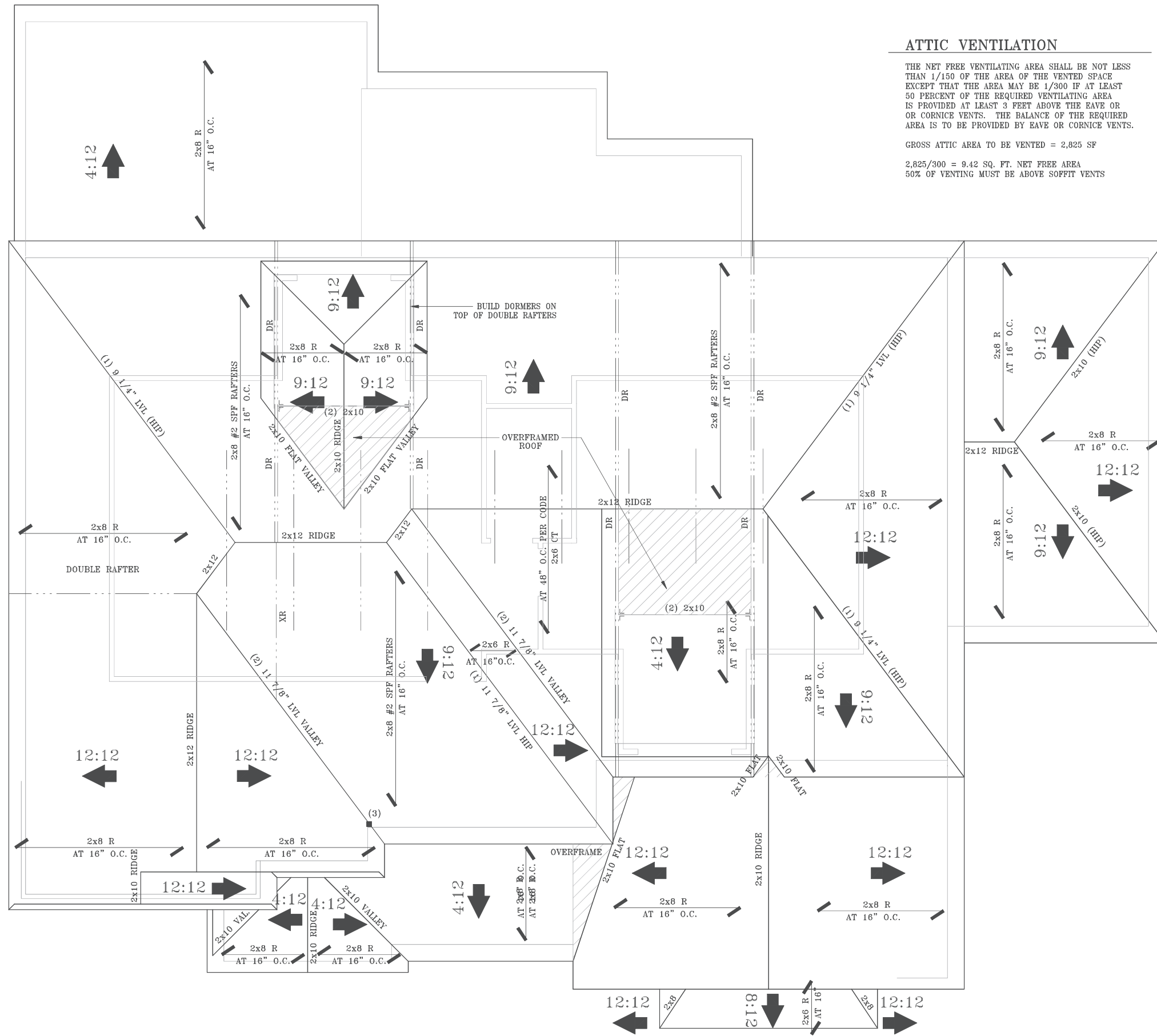
**S3**



**01 Second Floor Plan**

Scale: 1/4" = 1'-0"

© 2017-2021 PERRY COX ARCHITECT, P.A. RESERVES ITS COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THEY ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY MANNER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT OF PERRY COX ARCHITECT, P.A.



**ATTIC VENTILATION**

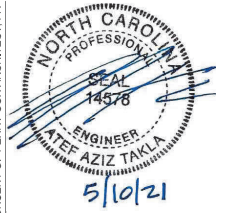
THE NET FREE VENTILATING AREA SHALL BE NOT LESS THAN 1/150 OF THE AREA OF THE VENTED SPACE EXCEPT THAT THE AREA MAY BE 1/300 IF AT LEAST 50 PERCENT OF THE REQUIRED VENTILATING AREA IS PROVIDED AT LEAST 3 FEET ABOVE THE EAVE OR OR CORNICE VENTS. THE BALANCE OF THE REQUIRED AREA IS TO BE PROVIDED BY EAVE OR CORNICE VENTS.

GROSS ATTIC AREA TO BE VENTED = 2,825 SF

2,825/300 = 9.42 SQ. FT. NET FREE AREA  
50% OF VENTING MUST BE ABOVE SOFFIT VENTS

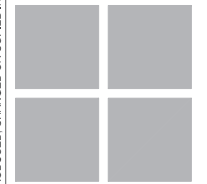
**01 Roof Plan - Elevation 'B'**

Scale: 1/4" = 1'-0"



**Atef Takla, PE**  
Structural Engineer

418 Vivaldi Drive  
Durham, NC 27712  
P: 919.358.1758



**Perry Cox**  
architect, p.a.

124 Salem Towne Court  
Apex, North Carolina 27502  
P: 919.363.5411  
www.pcoxdesign.com

**Innovative**  
Construction Group, LLC  
4020 Wake Forest Rd., Suite 306  
Raleigh, North Carolina 27569

10 May 2021

**S4**

© 2017-2021 PERRY COX ARCHITECT, P.A. RESERVES ITS COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THEY ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY MANNER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT OF PERRY COX ARCHITECT, P.A.