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PROFESSIONAL SEAL
 NORTH CAROLINA
 PROFESSIONAL ENGINEER
 PATRICK E. TEAGUE
 2023
 Engineered by:
 Patrick E. Teague, PE
 Date: 11/10/22
 North Carolina License # 20239

SHEET NUMBER

S2
 PROJECT #PO23535AB

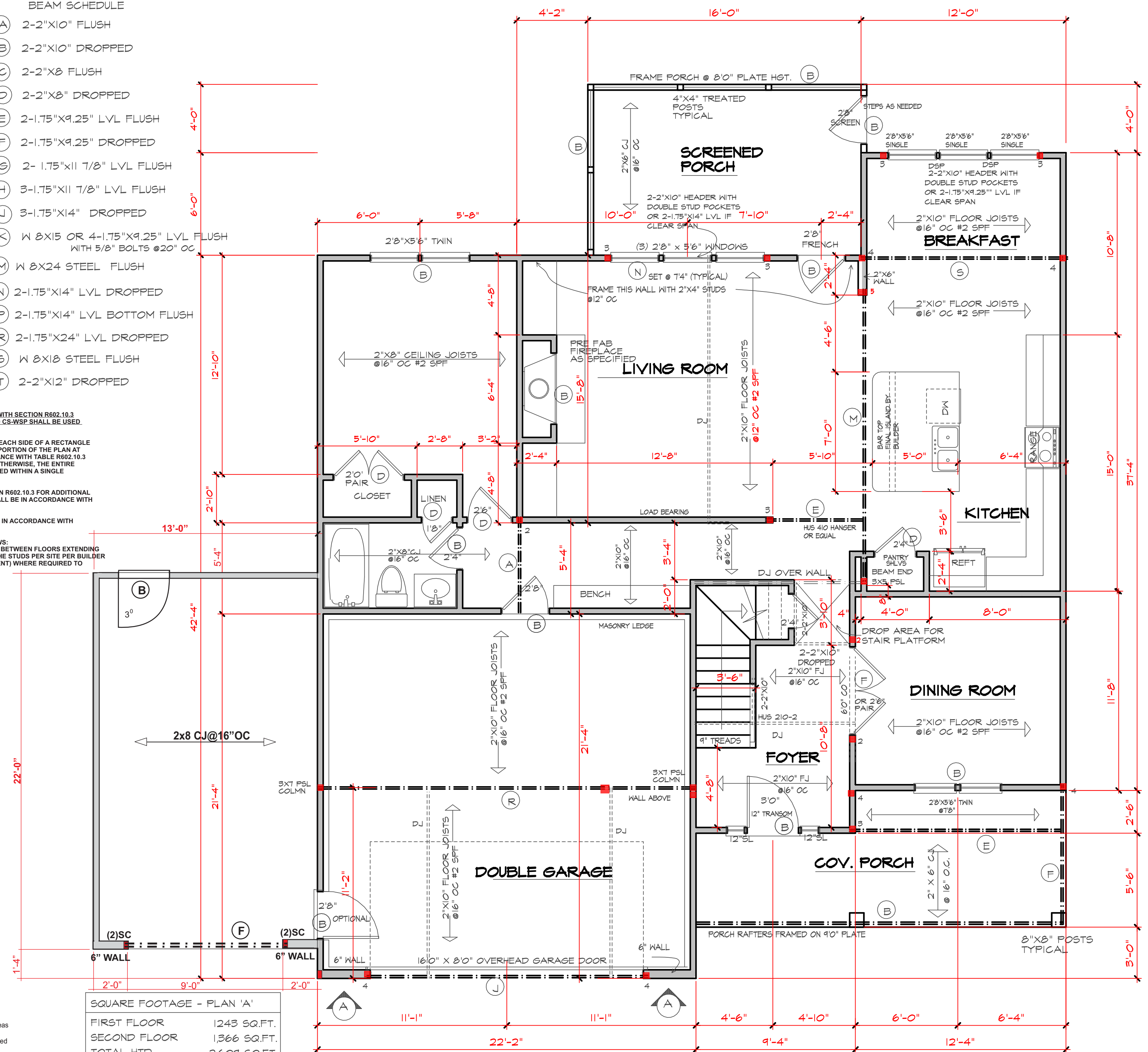
BEAM SCHEDULE

- (A) 2-2"x10" FLUSH
- (B) 2-2"x10" DROPPED
- (C) 2-2"x8" FLUSH
- (D) 2-2"x8" DROPPED
- (E) 2-1.75"x9.25" LVL FLUSH
- (F) 2-1.75"x9.25" DROPPED
- (G) 2-1.75"x11 7/8" LVL FLUSH
- (H) 3-1.75"x11 7/8" LVL FLUSH
- (J) 3-1.75"x14" DROPPED
- (K) W 8X15 OR 4-1.75"x9.25" LVL FLUSH WITH 5/8" BOLTS @20" OC
- (M) W 8X24 STEEL FLUSH
- (N) 2-1.75"x14" LVL DROPPED
- (P) 2-1.75"x14" LVL BOTTOM FLUSH
- (R) 2-1.75"x24" LVL DROPPED
- (S) W 8X18 STEEL FLUSH
- (T) 2-2"x12" DROPPED

- WALL BRACING NOTES:**
1. THE REQUIRED LENGTH OF BRACING FOR EACH SIDE OF A RECTANGLE CIRCUMSCRIBED AROUND THE PLAN OR A PORTION OF THE PLAN AT EACH STORY LEVEL SHALL BE IN ACCORDANCE WITH TABLE R602.10.3 AND FIGURE R602.10.3(1). UNLESS NOTED OTHERWISE, THE ENTIRE STRUCTURE IS ASSUMED TO BE CIRCUMSCRIBED WITHIN A SINGLE RECTANGLE.
 2. MINIMUM PANEL WIDTH IS 24". SEE SECTION R602.10.3 FOR ADDITIONAL INFORMATION. CONNECTION CRITERIA SHALL BE IN ACCORDANCE WITH TABLE R602.10.1.
 3. PORTAL FRAME CONSTRUCTION SHALL BE IN ACCORDANCE WITH FIGURE R602.10.1.
 4. HOLD DOWN DEVICE SHALL BE AS FOLLOWS:
 SIMPSON LST24 STRAP (OR EQUIVALENT) BETWEEN FLOORS EXTENDING FROM BOTTOM OF FLOOR BAND AND UP THE STUDS PER SITE PER BUILDER
 SIMPSON HD3B HOLD DOWN (OR EQUIVALENT) WHERE REQUIRED TO CONNECT DIRECTLY TO FOUNDATION.

- STRUCTURAL NOTES:**
1. Framing lumber shall be #2 SPF (modulus of elasticity 1,100,000 psi, fb 950). All beams & treated lumber to be #2 SPF, E=1,600,000, fb=1100 min. Studs min.#2 or stud grade.
 2. Use hangers for all beam to beam connections. Structural fastening as per R602.3(1). Adequate connections is the sole responsibility of the general contractor and his subs.
 3. Structural members fastening to conform to Table R602.3(1) and (2).
 4. Roof Framing Notes:
 a. Dbl Hips may be spliced with a min. 6'-0" overlap at center. No valley splices.
 b. Use 2x10 or fir down rafters for vaulted areas.
 c. Attach vaulted rafters with hurricane connectors: Simpson H-2.5, H-5 or approved equal.
 5. All construction shall conform to the latest requirements of the NC State Residential Building Code - 2018 Edition, plus all local codes & regulations or 2015 IBC.
 6. Structural Engineer is not responsible for and will not control of construction means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with the construction work.
 7. Structural Engineer is not responsible for the contractor's failure to carry out the proposed construction work in accordance with the contract document.

SQUARE FOOTAGE - PLAN 'A'	
FIRST FLOOR	1243 SQ.FT.
SECOND FLOOR	1,366 SQ.FT.
TOTAL HTD.	2,609 SQ.FT.
GARAGE	751 SQ.FT.
COV. FRONT PORCH	150 SQ.FT.
SCREENED PORCH	160 SQ.FT.



FIRST FLOOR PLAN
 SCALE 1/4" = 1'-0"