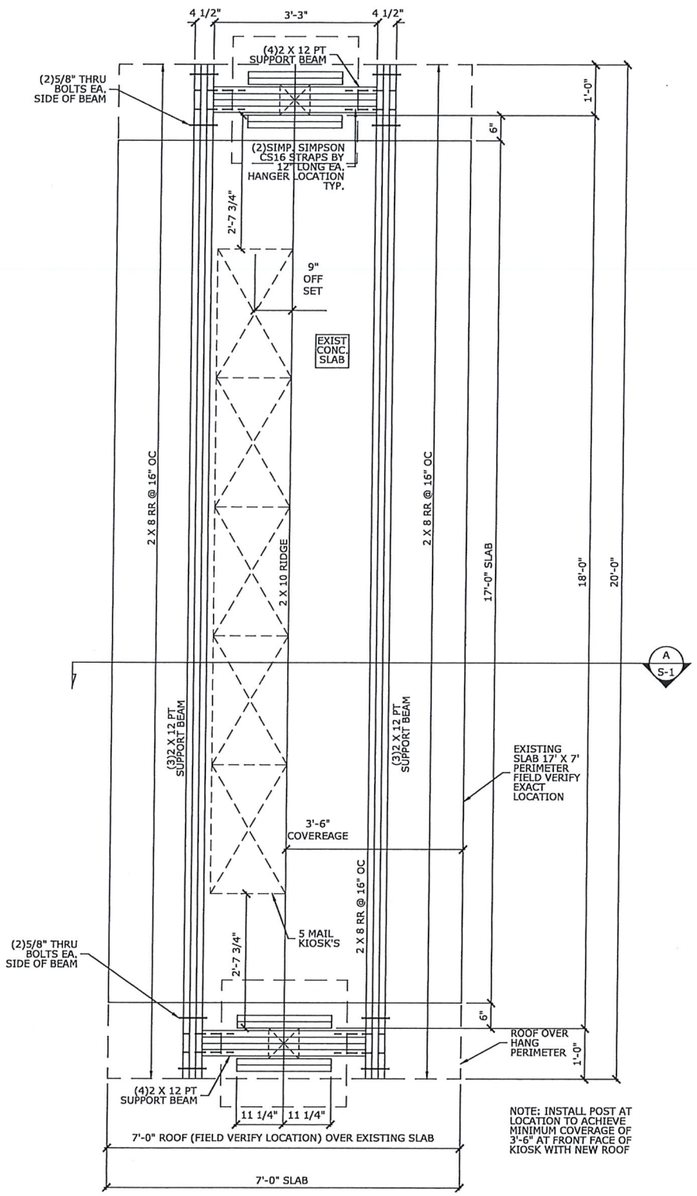



## GENERAL STRUCTURAL NOTES

1. ALL CONSTRUCTION, WORKMANSHIP, AND MATERIALS SHALL CONFORM TO THE LATEST REQUIREMENTS OF "2018 NORTH CAROLINA BUILDING CODE" AND LOCAL REGULATIONS.
2. THE ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS THE STRUCTURAL ENGINEER OF RECORD FOR THIS PROJECT. NO OTHER PARTY MAY MODIFY OR REUSE THESE CONSTRUCTION DOCUMENTS WITHOUT WRITTEN PERMISSION FROM WOODARD SEASE & ASSOCIATES, PC OR STRUCTURAL ENGINEER OF RECORD. ENGINEERS SEAL ONLY APPLIES TO STRUCTURAL COMPONENTS AND SYSTEMS AND DOES NOT CERTIFY DIMENSIONAL ACCURACY OF THE ARCHITECTURAL LAYOUT.
3. THE ENGINEER SHALL HAVE NO LIABILITY TO OTHERS FOR ACTS OR OMISSIONS OF THE CONTRACTOR/BUILDER OR ANY OTHERS PERFORMING WORK ON THIS PROJECT. THE ENGINEER IS NOT RESPONSIBLE FOR CONSTRUCTION SEQUENCES, METHODS, OR TECHNIQUES AND/OR SAFETY REQUIREMENTS IN CONNECTION WITH THE CONSTRUCTION OF THIS STRUCTURE.
4. THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FROM DEPICTED OR IMPLIED STRUCTURAL INFORMATION. SHOULD ANY DISCREPANCIES BECOME APPARENT, THE STRUCTURAL ENGINEER OF RECORD MUST BE NOTIFIED IMMEDIATELY BEFORE CONSTRUCTION BEGINS.
5. ONLY SEALED DRAWINGS W/LATEST REVISIONS ARE APPLICABLE FOR CONSTRUCTION.
6. DEFLECTION: FLOOR: L/360, ATTIC W/ CEILING: L/240, ROOF: L/180 - MORE STRINGENT CRITERIA MAY BE USED AT ENGINEER'S DISCRETION OR AS REQUESTED.
7. DO NOT SCALE DRAWINGS. CONTRACTOR SHALL CONTACT ARCHITECT FOR ITEMS NOT DIMENSIONED.
8. THE CONTRACTOR SHALL PROVIDE TEMPORARY ERECTION BRACING AND SHORING OF ALL STRUCTURAL MEMBERS AS REQUIRED FOR THE STABILITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER OF ANY CONDITION WHICH, IN HIS OPINION, MIGHT ENDANGER THE STABILITY OF THE STRUCTURE OR CAUSE DISTRESS WITHIN THE STRUCTURE.
9. CONSTRUCTION MATERIALS SHALL NOT BE STACKED ON FLOORS OR ROOFS IN EXCESS OF THE DESIGN LIVE LOADS WHICH ARE INDICATED IN THE DESIGN LOADS. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE SUBCONTRACTORS ARE INFORMED AND DO NOT VIOLATE THIS IMPORTANT REQUIREMENT. IMPACT SHALL BE AVOIDED WHEN PLACING MATERIALS ON FLOOR AND ROOFS.
10. SEE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR MISCELLANEOUS STEEL ITEMS NOT SHOWN.
11. COORDINATE SIZES AND LOCATIONS OF OPENINGS IN FLOORS AND ROOF WITH ARCHITECTURAL, MECHANICAL, AND ELECTRICAL REQUIREMENTS.
12. FOR ACTUAL ELEVATION OF FIRST FLOOR (REF. ELEV. 0'-0"), SEE SITE PLAN.
13. SUBMIT WRITTEN REQUEST TO THE ARCHITECT FOR APPROVAL OF ANY PROPOSED CHANGE TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. SPLICING, CUTTING, NOTCHING OR OTHER ALTERATIONS TO THE STRUCTURAL MEMBERS ARE NOT PERMITTED WITHOUT WRITTEN AUTHORIZATION OF THE ENGINEER. ANY UNAUTHORIZED DEVIATION FROM THE CONTRACT DOCUMENTS , AND CORRECTION THEREOF, IS THE RESPONSIBILITY OF THE CONTRACTOR.
14. THE MOST STRINGENT REQUIREMENTS APPLY IN CASE OF CONFLICT BETWEEN SPECIFICATIONS, STANDARDS, CODES, AND DRAWINGS.

## DESIGN LOADS

| FLOOR/ROOF AREAS | LIVE LOAD | DEAD LOAD |
|---|---|---|
| ROOF (TOTAL) | 20 PSF | 15 PSF |
| FLOOR (SLAB ON GRADE) | 250 PSF | |
| OCCUPANCY CATEGORY : II | | |
| WIND DESIGN: | | |
| BASIC WIND VELOCITY = | 115 MPH | |
| IMPORTANCE FACTOR = Iw = | 1.00 | |
| EXPOSURE CATAGORY = | B | |
| BUILDING CATEGORY = | OPEN | |
| WIND BASE SHEAR Vx = | 2.6 KIPS | |
| WIND BASE SHEAR Vy = | 1.4 KIPS | |
| SNOW LOADS: | | |
| GROUND SNOW LOAD Pg = | 10 PSF | |
| EXPOSURE FACTOR Ce = | 1.1 | |
| THERMAL FACTOR Ct = | 1.1 | |
| IMPORTANCE FACTOR = Ipg = | 1.0 | |
| SNOW LOAD Pf = | 12.1 PSF | |
| SEISMIC LOADS: | | |
| IMPORTANCE FACTOR = Ie = | 1.00 | |
| SEISMIC DESIGN CATEGORY = | B | |
| RESPONSE MOD = R = | 2.5 | |
| Sds = | 0.213 | |
| Sd1 = | 0.125 | |
| DESIGN BASE SHEAR = | Vx = 0.4 KIPS, Vy = 0.4 KIPS | |

## FOUNDATIONS:

FOUNDATION NOTES:
1. ALL FOOTINGS SHALL BE POURED ON COMPACTED SOIL WITH A MINIMUM BEARING CAPACITY OF 2000 PSF.
2. CONTINUOUS WALL FOOTINGS SHALL BE POURED MONOLITHICALLY WITH COLUMN FOOTINGS.
3. ALL BACKFILL MATERIAL SHALL BE FREE OF DEBRIS. PLACE FILL IN 8" LIFTS WITH COMPACTION BETWEEN LIFTS TO A MINIMUM OF 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT.
4. INSTALL FOUNDATIONS PER GEOTECHNICAL ENGINEER'S REPORT AND FIELD INSTRUCTIONS.
5. FOUNDATION TYPE AND DESIGN MAY BE FIELD-MODIFIED BASED UPON GEOTECHNICAL ENGINEER'S SITE DETERMINATIONS.
6. NOTIFY ENGINEER OF ALL FIELD DETERMINED CONCLUSIONS.
7. WALLS ACTING AS RETAINING WALLS SHALL NOT BE BACKFILLED WITHOUT BRACING UNTIL ALL SUPPORTING SOIL AND SLABS ARE IN PLACE.

## CONCRETE:

CONCRETE NOTES:
1. ALL CONCRETE IS TO BE PROPORTIONED AND PLACED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN CONCRETE INSTITUTE/ACI 318.
2. CONCRETE SHALL HAVE MINIMUM COMPRESSIVE STRENGTH:
   SLABS: 3000 PSI FOUNDATIONS: 3000 PSI FOOTINGS: 3000 PSI
3. ALL CONCRETE STEEL REINFORCEMENT TO BE GRADE 60.
4. ALL INTERIOR SLABS TO BE 5" THICK.
5. CONTROL JOINTS ARE TO BE PLACED AS SPECIFIED ON PLANS BOTH DIRECTIONS.

## WOOD FRAMING NOTES:

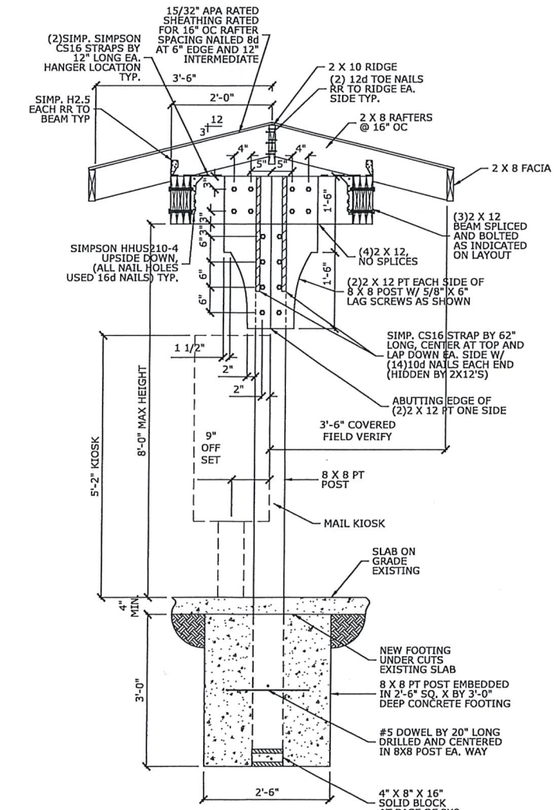
WOOD FRAMING NOTES
1. ALL WOOD FRAMING SHALL BE KILN DRIED NO. 2 SOUTHERN YELLOW PINE (OR BETTER) IN SIZES AS SHOWN ON THE PLANS, UNLESS OTHERWISE NOTED. TREATED LUMBER FOR ALL EXPOSED.
2. PLYWOOD AND ORIENTED STRAND BOARD (OSB) FOR SHEATHING SHALL COMPLY WITH USDOC PS 1 & PS 2, LATEST EDITION, RESPECTIVELY, AND SHALL HAVE AN APPROPRIATE GRADE TRADE MARK OF AN AMERICAN PLYWOOD ASSOCIATION/ENGINEERED WOOD ASSOCIATION APPROVED AGENCY ON EACH PANEL. PANELS SHALL BE APA RATED SHEATHING, EXPOSURE I. SHEATHING SHALL BE APPLIED IN FULL SHEETS, OR IN LARGEST PIECES FOR THE AREA BEING COVERED.
3. ALL NAILING FOR WOOD CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NORTH CAROLINA BUILDING CODE'S FASTENING SCHEDULE UNLESS OTHERWISE NOTED ON THE PLANS.
4. ALL PREFABRICATED JOIST HANGERS AND FRAMING ANCHORS SHALL BE FULLY NAILED.
5. ALL LAMINATED VENEER LUMBER (LVL) BEAMS SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES:
   MODULUS OF ELASTICITY (E): 1,900,000 PSI
   FLEXURAL STRESS (FB): 2600 PSI
   COMPRESSION PERP. TO GRAIN (FC): 750 PSI
   HORIZONTAL SHEAR (FV): 285 PSI

NOTICE TO CONTRACTOR
All construction must comply with current NC Building Codes and is subject to field inspection and verification.
Reviewed for Code Compliance
05/07/2024
Harnett COUNTY NORTH CAROLINA

BASED ON PLANS BY STEWART-PROCTOR ENGINEERING AND SURVEYING SEALED 5-17-2022 BY MICHAEL STEWART PE FOR UTILITY PLAN FOR WINSTON POINTE SOUTH PHASE 3B IN CLAYTON TOWNSHIP, NORTH CAROLINA.

GENERAL NOTES
1. THESE PLANS ARE DESIGNED TO BE USED BY A LICENSED GENERAL CONTRACTOR.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL PHASES OF CONSTRUCTION COMPLY WITH ALL BUILDING CODE REQUIREMENTS.
3. PRIOR TO CONSTRUCTION, THE GENERAL CONTRACTOR IS TO REVIEW ALL PLANS AND BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS.
4. ANY DISCREPANCY IN THE PLANS IS TO BE BROUGHT TO THE ATTENTION OF THE DESIGNER PRIOR TO THE BEGINNING OF CONSTRUCTION.
5. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS WILL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

MAIL KIOSK ROOF
7' X 20' SURFACE AREA
SCALE:3/4" = 1'-0"




A COLUMN SECTION
8X8 POST EMBEDMENT AND ROOF CONSTRUCTION SUPPORT
SECTION
SCALE: 3/4" = 1'-0"

WOODARD SEASE & ASSOCIATES, PC
STRUCTURAL ENGINEERS
5535 WESTERN BLVD, SUITE 203 RALEIGH, NC 27606
OFFICE: (919) 307-3995 FAX: (919) 307-3996

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 29423 ENGINEER MICHAEL LAWRENCE STEWART

SEAL DATE: 02/29/2024

WOODARD SEASE & ASSOCIATES, PC STRUCTURAL ENGINEERING CORP. NC C-3041

THE DRAWINGS AND PLAN ENGINEERING ARE THE PROPERTY OF WOODARD SEASE & ASSOCIATES, ISSUED EXCLUSIVELY FOR THIS PROJECT AND SHALL NOT BE DUPLICATED OR USED FOR OTHER PURPOSES, IN WHOLE OR PART, WITHOUT WRITTEN PERMISSION OF WOODARD SEASE & ASSOCIATES.

WOODARD SEASE & ASSOCIATES ASSUMES NO LIABILITY FOR DEVIATIONS FROM OR MODIFICATIONS MADE TO THE PLANS BY OTHERS. WOODARD SEASE & ASSOCIATES WILL NOT BE HELD RESPONSIBLE FOR CONTRACTOR'S FAILURE TO CONFORM TO CONSTRUCTION DOCUMENTS, FAILURE TO NOTIFY ENGINEER OF KNOWN DISCREPANCIES, OR CONSTRUCTION MEANS AND METHODS.

**MAIL KIOSK ROOF**
**HARRINGTON PLACE**
BROADWAY, NORTH CAROLINA
DESIGNER- SMITH DOUGLAS HOMES PLAN: MAIL KIOSK ROOF

| PROJECT | 24-20-027 | DATE | 02/29/2024 |
|---|---|---|---|
| ENGINEER | WPS | REV.# | DATE |
| DWN BY: | WPS | 1 | -/-/- |
| | | 2 | -/-/- |
| CHKD BY: | BEW | 3 | -/-/- |
| | | 4 | -/-/- |
| SCALE: | 1/4" = 1'-0" | | |

FOUNDATION PLAN & ROOF FRAMING

SHEET: S-1

1 OF: 1