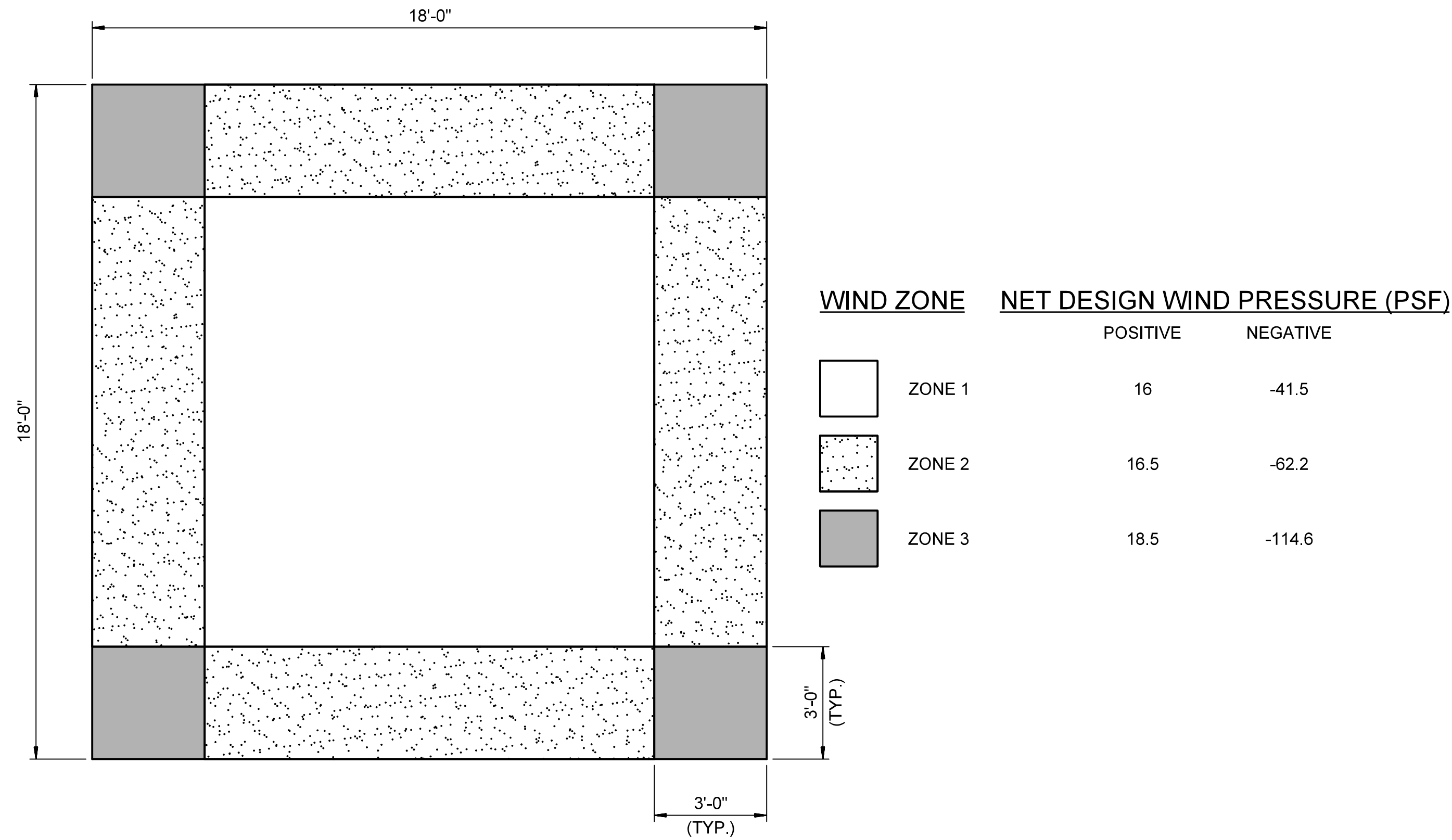


**GENERAL NOTES**

1. DURING CONSTRUCTION, THE CONTRACTOR MAY ENCOUNTER EXISTING CONDITIONS WHICH ARE NOT KNOWN DURING BID OR ARE AT VARIANCE WITH PROJECT DOCUMENTATION (DISCOVERY). SUCH CONDITIONS MAY INTERFERE WITH NEW CONSTRUCTION, PROPER EXECUTION OF THE WORK, REQUIRE PROTECTION AND/OR SUPPORT OF EXISTING WORK DURING CONSTRUCTION, OR MAY CONSIST OF DAMAGE OR DETERIORATION TO STRUCTURAL MATERIALS OR COMPONENTS WHICH JEOPARDIZE THE STRUCTURAL INTEGRITY OF THE BRIDGE AND/OR OPERATOR HOUSE. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ALL SUCH DISCOVERIES PRIOR TO PROCEEDING WITH WORK RELATED TO SUCH DISCOVERIES.
2. THE CURRENT DRAWINGS MAY SPECIFY DIMENSIONS, ELEVATIONS AND CONSTRUCTION CONDITIONS TO BE FIELD VERIFIED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIELD VERIFICATIONS PRIOR TO PROCEEDING WITH CONSTRUCTION OR FABRICATION OF COMPONENTS. THE FIELD VERIFICATION SHALL BE MADE IN A TIMELY MANNER SO AS TO CAUSE NO DELAYS IN EXECUTION OF THE WORK.
3. PROJECT INCLUDES AREA OF SELECTIVE DEMOLITION AS INDICATED IN THE DRAWINGS. DURING THE ENTIRE LENGTH OF THE PROJECT, PROTECT ALL EXISTING EQUIPMENT AND MATERIALS WHICH ARE NOT BEING DEMOLISHED.
4. ALL PRODUCTS, MATERIALS AND EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS, IN COMPLIANCE WITH ALL APPLICABLE CODES, AND WITHIN THE ACCEPTED COMMERCIAL TRADE STANDARDS BY SKILLED, EXPERIENCED, TRAINED AND COMPETENT CRAFTSMEN. MATERIAL SHALL BE USED FOR ONLY THE PURPOSES FOR WHICH THEY ARE DESIGNED.
5. WORK AREAS SHALL BE KEPT CLEAN AND SAFE AT ALL TIMES BY THE CONTRACTOR. TRASH AND DEBRIS SHALL NOT BE ALLOWED TO ACCUMULATE ON THE SITE. ALL HAZARDOUS WASTES SHALL BE PROPERLY AND LEGALLY DISPOSED OF ON A DAILY BASIS.
6. DURING THE BIDDING PERIOD AND THE CONSTRUCTION PERIOD, ANY DISCREPANCIES, CONFLICTS AND/OR QUESTIONS OF INTERPRETATIONS IN THE DRAWINGS OR SPECIFICATIONS SHALL BE SUBMITTED TO THE ENGINEER PROMPTLY FOR CLARIFICATION.
7. ALL SHOWN DIMENSIONS ARE BASED ON ORIGINAL DRAWINGS. PRIOR TO FABRICATION OF ANY MATERIAL SHOWN IN THE DRAWINGS, THE CONTRACTOR SHALL FIELD VERIFY ALL APPLICABLE EXISTING CONDITIONS AND DIMENSIONS FOR WORK WHICH TIES, CONNECTS OR IS ADJACENT TO THE EXISTING STRUCTURE. IF CONDITIONS OR DIMENSIONS VARY SIGNIFICANTLY FROM THOSE SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER BEFORE PREPARATION OF THE SHOP DRAWINGS.



**CONTROL HOUSE ROOF WIND ZONES PLAN**

SCALE: 3/8" = 1'-0"

**ARCHITECTURAL/STRUCTURAL NOTES**

1. ALL ASPECTS OF JOB AND SITE SAFETY ARE COMPLETELY THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY THE OPERATOR HOUSE ROOF CONDITIONS PRIOR TO ANY FOOT TRAFFIC. CONTRACTOR SHALL CONTINUOUSLY MAINTAIN THE SAFETY OF THE STRUCTURE, ITS WORKERS AND THE GENERAL PUBLIC. NO STRUCTURAL MEMBER MAY BE CUT OR MANIPULATED IN ANY WAY WITHOUT PRIOR APPROVAL OF THE ENGINEER.
2. THE CONTRACTOR SHALL REPAIR ALL DAMAGE TO EXISTING BUILDING AND OTHER STRUCTURES CAUSED BY ITS OPERATIONS AT NO ADDITIONAL COST TO THE OWNER.
3. GOVERNING BUILDING CODES
  - 3.1 INTERNATIONAL BUILDING CODE (IBC) 2012 WITH REVISIONS AND AMENDMENTS. STRUCTURAL MEMBERS ARE DESIGNED USING LOAD COMBINATIONS IN IBC
  - 3.2 ASCE 7-2010 MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES
4. DESIGN CRITERIA
  - 4.1 WIND DESIGN DATA
    - A. RISK CATEGORY FOR OPERATOR HOUSE: CATEGORY II
    - B. BASIC WIND SPEED (3 SECOND GUST) FOR RISK CATEGORY II: 129 MPH
    - C. WIND EXPOSURE CATEGORY: EXPOSURE D
  - 4.2 ROOF LIVE LOAD
    - A. ORDINARY FLAT, PITCHED AND CURVED ROOF (THAT ARE NOT OCCUPIABLE). 20 PSF
  - 4.3 SNOW LOAD
    - A. GROUND SNOW LOAD 10 PSF
    - B. SLOPED ROOF SNOW LOAD 10 PSF
  - 4.4 CONTROLLING LOAD COMBINATION: 0.6D ± 0.6W

5. STRUCTURAL STEEL
  - 5.1 ALL PURLINS AND PURLIN BRACES SHALL CONFORM TO AISI COLD FORMED STEEL 2007 DESIGN SPECIFICATIONS WITH SUPPLEMENT NO.2 OF 2010. ALL PURLINS AND PURLIN BRACES SHALL CONFORM TO MATERIAL SPECIFICATIONS OF ASTM A653 GALVANIZED STEEL WITH Fy = 50 KSI AND 12 GAUGE THICKNESS.
  - 5.2 ALL HOT-ROLLED STEEL COMPONENTS OF THE SEPTIC TANK PLATFORM SUPPORT SYSTEM, REST PIER ACCESS SYSTEM AND MISCELLANEOUS STEEL FOR CONNECTIONS SHALL BE GALVANIZED.
  - 5.3 CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS FOR ALL SCOPE ITEMS FOR ENGINEERS APPROVAL PRIOR TO FABRICATION OF SCOPE ITEMS.
  - 5.4 IF THE CONTRACTOR PROPOSES AN ALTERNATIVE ROOF DESIGN, THEN THE NEW ROOF DESIGN CALCULATIONS AND DRAWINGS SHALL BE STAMPED AND SEALED BY A LICENSED PROFESSIONAL CIVIL ENGINEER IN THE STATE OF NORTH CAROLINA. THE DESIGN CALCULATIONS AND SHOP DRAWINGS SHALL BE SUBMITTED TO ENGINEER FOR APPROVAL PRIOR TO BEGINNING OF WORK.

**SCOPE OF WORK FOR CONTROL HOUSE RENOVATIONS**

ALL WORK ON THE CONTROL HOUSE SHALL BE COORDINATED WITH ELECTRICAL SCOPE OF WORK AS SHOWN ON SHEET A-4

1. SLOPED ROOF INSTALLATION
  - A. REMOVAL OF EXISTING ROOF ATTACHMENTS
  - B. REMOVAL OF EXISTING ROOF GRAVEL FINISH, DRAINS, AND CLEANING
  - C. INSTALL NEW COLD-FORMED STEEL CHANNEL PURLINS AND CONNECTIONS ON TOP OF EXISTING ROOF
  - D. INSTALL NEW STANDING SEAM METAL ROOF, TRIMS, AND FLASHINGS ON TOP OF EXISTING ROOF
  - E. INSTALL NEW GUTTERS AND DOWNSPOUTS AND REATTACH EXISTING ROOF ATTACHMENTS
2. REPLACEMENT OF DOORS
  - A. REMOVAL OF EXISTING DOORS ON THE CONTROL HOUSE
  - B. INSTALLATION OF NEW METAL DOORS ON THE CONTROL HOUSE
3. REPLACEMENT OF WINDOWS
  - A. REMOVAL OF EIGHT EXISTING WINDOWS OF THE CONTROL HOUSE
  - B. INSTALLATION OF NEW WINDOWS
4. REPLACEMENT OF HANDRAILS
  - A. REMOVAL OF HANDRAILS ON SECOND FLOOR OF CONTROL HOUSE
  - B. REMOVE EXISTING LADDER ON NORTH SIDE OF CONTROL HOUSE
  - C. INSTALL NEW HANDRAILS ON SECOND FLOOR OF CONTROL HOUSE
5. REPLACE FLAG POLE
  - A. REMOVE EXISTING FLAG POLE
  - B. INSTALLATION OF NEW FLAG POLE
6. REPLACE SEPTIC TANK SUPPORT PLATFORM
  - A. REMOVAL OF EXISTING SEPTIC TANK SYSTEM BELOW THE CONTROL HOUSE
  - B. INSTALLATION OF NEW PLATFORM FOR THE EXISTING SEPTIC TANK
  - C. INSTALL AND CONNECT SEPTIC TANK
7. PAINTING OF OPERATOR HOUSE
  - A. PAINT INTERIOR AND EXTERIOR OF THE CONTROL HOUSE WALLS
8. REPLACE SECOND FLOOR TILES
  - A. REMOVAL OF FLOOR TILES CONTAINING ASBESTOS IN THE OPERATOR ROOM OF THE CONTROL HOUSE
  - B. INSTALLATION OF NEW FLOOR TILES IN THE OPERATOR ROOM OF THE CONTROL HOUSE

PROJECT NO. B-5936  
TYRRELL COUNTY  
 BRIDGE NO: 7

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

**ARCHITECTURAL NOTES**

**ALLIGATOR RIVER SWING SPAN**

REVISIONS						SHEET NO.
NO	BY	DATE	NO	BY	DATE	
1			3			TOTAL SHEETS
2			4			10

DRAWN BY: \_CEM DATE: 8/8/2016  
 CHECKED BY: \_DMM DATE: 8/8/2016  
 DESIGN ENGINEER OF RECORD: \_AR DATE: 8/8/2016

DWG NUMBER: 4 TOTAL DWGS: 90

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

\*\*\*\*\*DTM\*\*\*\*\*  
 \*\*\*\*\*DON\*\*\*\*\*  
 \*\*\*\*\*USERNAME\*\*\*\*\*