

GENERAL STRUCTURAL NOTES:

- 1. THE CONTRACTOR SHALL COORDINATE AND VERIFY ALL DIMENSIONS WITH THE STRUCTURAL DRAWINGS PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PERTAINING TO EXISTING UTILITIES AND CONSTRUCTION AT THE SITE BEFORE PROCEEDING WITH THE WORK. ANY DISCREPANCIES OR ERRORS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER.
2. THE CONTRACTOR SHALL EXERCISE ALL PRECAUTIONS NECESSARY TO MAINTAIN ALL AREAS OF WORK IN A SAFE CONDITION THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE SAFETY PRECAUTIONS AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
3. ALL CONDITIONS AND DIMENSIONS PERTAINING TO EXISTING UTILITIES AND CONSTRUCTION, AT THE SITE, SHALL BE VERIFIED BY THE CONTRACTOR BEFORE PROCEEDING WITH THE WORK. THIS ASSESSMENT SHALL BE CONDUCTED SUFFICIENTLY IN ADVANCE OF ANY PHASE OF CONSTRUCTION, TO THE MAXIMUM EXTENT POSSIBLE, TO AVOID DELAYS IN THE WORK.
4. PRODUCTS AND MANUFACTURER'S SPECIFICALLY CALLED OUT IN THE DRAWINGS ARE REQUIRED TO COMPLY WITH THE DESIGN. BEFORE SUBMITTING ANOTHER BRAND, CONFIRM LOAD CAPACITY BASED ON RELIABLE TESTING DATA OR CALCULATIONS PUBLISHED BY AN INDEPENDENT, THIRD PARTY. THE ENGINEER OF RECORD SHOULD EVALUATE AND GIVE WRITTEN APPROVAL FOR SUBSTITUTIONS PRIOR TO INSTALLATION. INSTALL ALL PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS.
5. MOST STRUCTURAL ELEMENTS IN THE EXISTING BUILDINGS ARE UNDER SIGNIFICANT LOAD. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO PHASE OR SEQUENCE THE WORK INDICATED IN THESE DOCUMENTS IN SUCH A MANNER AS TO NOT COMPROMISE THE INTEGRITY OR STABILITY OF THE STRUCTURE AND TO PROVIDE SHORING, GUYS OR BRACING AS NECESSARY TO RELIEVE THE EXISTING LOADS WHILE UNDERTAKING THE WORK.

DESIGN CODES AND GOVERNING STANDARDS:

- 1. 2012 EDITION OF THE VIRGINIA STATE BUILDING CODE
2. 2012 EDITION OF THE INTERNATIONAL BUILDING CODE (IBC).
3. 2010 EDITION OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS/STRUCTURAL ENGINEERS INSTITUTE (ASCE/SEI): ASCE/SEI 7-10, "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES".
4. 2011 EDITION OF THE AMERICAN CONCRETE INSTITUTE (ACI): ACI 318-11, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE".
5. 2012 EDITION OF THE AMERICAN WOOD COUNCIL: ANSI/AWC NDS-2012 NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION.
6. LATEST EDITION OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA): "SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION".
7. LATEST EDITION OF THE AMERICAN STANDARDS OF TESTING OF MATERIALS (ASTM), "STANDARDS IN BUILDING CODES", VOLUME I AND II.

DESIGN LOADS:

THE FOLLOWING LOADS IN ADDITION TO THE DEAD LOADS OF THE PERMANENT CONSTRUCTION BUILDING MATERIALS WERE USED:

WIND DESIGN DATA:
ULTIMATE DESIGN WIND SPEED, VuIt (3 SECOND GUST) : 105 MPH
NOMINAL DESIGN WIND SPEED, Vasd : <VuIt*sqrt(.6)> MPH
RISK CATEGORY : I
WIND EXPOSURE : C

SHORING NOTES:

- 1. THE CONTROLLED DEMOLITION INDICATED IN THE CONTRACT DRAWINGS WILL REQUIRE THAT THE CONTRACTOR PROVIDE AND INSTALL SHORING AS INDICATED.
2. THE CONTRACTOR SHALL EXERCISE ALL PRECAUTIONS NECESSARY TO MAINTAIN ALL AREAS OF WORK IN A SAFE CONDITION THROUGHOUT THE SHORING PROCESS.
3. THE CONTRACTOR SHALL COORDINATE THE TEMPORARY SHORING WITH THE DEMOLITION WORK REQUIRED.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE ANY DAMAGE OR DEMOLITION BEYOND THE EXTENT INDICATED IN THE CONTRACT DOCUMENTS CAUSED BY THE INSTALLATION OR USE OF TEMPORARY SHORING.

CAST-IN-PLACE CONCRETE NOTES

- 1. ALL CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 301 "STRUCTURAL CONCRETE FOR BUILDINGS" AND ACI 318/318R "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE.
2. ALL CAST-IN-PLACE CONCRETE SHALL BE NORMAL WEIGHT CONCRETE AND ATTAIN AN ULTIMATE COMPRESSIVE STRENGTH OF 3000 PSI AT AN AGE OF 28 DAYS.
3. THE SLUMP OF CAST-IN-PLACE CONCRETE SHALL NOT EXCEED 4 INCHES WITHOUT A HIGH RANGE WATER REDUCING ADMIXTURE. ALL CONCRETE EXPOSED TO WEATHER SHALL BE AIR-ENTRAINED 5% TO 7%. ENTRAPPED AIR SHALL NOT EXCEED 3%.

WOOD FRAMING NOTES:

- 1. ALL STRUCTURAL LUMBER SHALL BE IN ACCORDANCE WITH S.P.I.B. SPECIFICATIONS AND SHALL BE NO. 2 SOUTHERN PINE AND USED AT 15% MAXIMUM MOISTURE CONTENT OR EQUAL.
2. NAILING OF ALL STRUCTURAL LUMBER SHALL CONFORM TO THE "RECOMMENDED FASTENING SCHEDULE", TABLE 2306.3.1 THRU 2306.4.5 OF THE 2000 INTERNATIONAL BUILDING CODE (IBC).
3. THE DESIGN, FABRICATION AND ERECTION OF ALL TIMBER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2003 MANUAL FOR WOOD FRAMING CONSTRUCTION DATA #1 BY NATIONAL FOREST PRODUCTS ASSOCIATION (NFPA) AND THE 2001 EDITION OF THE NATIONAL DESIGN SPECIFICATION.
4. ALL WOOD FRAMING MEMBERS SHALL BE PRESERVATIVE TREATED. BOLT HEADS AND NUTS BEARING ON WOOD SHALL BE PROVIDED WITH STANDARD CUT WASHERS. ALL BOLTS OR NAILS SHALL BE STAINLESS STEEL OR GALVANIZED IN ACCORDANCE WITH ASTM A123.

DEMOLITION NOTES:

- 1. BEFORE PROCEEDING WITH DEMOLITION WORK, THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE CONDITIONS OF THE SITE AND EXISTING STRUCTURE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY SAFEGUARDS TO MAINTAIN ALL PORTIONS OF THE STRUCTURE IN A SAFE CONDITION AND, AT ALL TIMES DURING THE PROCESS OF CONSTRUCTION, TO PROTECT FROM DAMAGE THOSE PORTIONS OF THE EXISTING STRUCTURE WHICH ARE TO REMAIN.
2. THE CONTRACTOR SHALL INSPECT THE AREAS OF WORK DESCRIBED WITHIN THESE DOCUMENTS PRIOR TO BEGINNING ANY WORK AND SHALL NOTIFY THE OWNER OF DISCREPANCIES BETWEEN THE CONDITIONS DESCRIBED AND THE EXISTING CONDITIONS. THIS INSPECTION SHALL OCCUR SUFFICIENTLY FAR IN ADVANCE AS TO NOT IMPACT THE PROPOSED SCHEDULE ONCE THE WORK HAS COMMENCED.
3. ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, LOCAL AND ENVIRONMENTAL PROTECTION AGENCIES CRITERIA AND GUIDELINES.
4. DEMOLITION SHALL INCLUDE THE REMOVAL OF EXISTING STRUCTURES AND ITEMS IN THE WAY OF NEW WORK OF THIS PROJECT AS SHOWN ON THE CONTRACT DRAWINGS. ALL DEMOLITION DEBRIS AND MATERIALS SHALL BE REMOVED AND DISPOSED OF AS DIRECTED BY THE OWNER ON A DAILY BASIS UNLESS SPECIFIC AUTHORIZATION IS GIVEN IN WRITING TO DO OTHERWISE.
5. UTILITIES NOT SHOWN ON DRAWINGS MAY EXIST. THE CONTRACTOR SHALL PROCEED WITH CAUTION DURING DEMOLITION AND/OR NEW CONSTRUCTION. UNIDENTIFIED PIPES, CONDUITS, CABLES OR OTHER ITEMS ENCOUNTERED SHALL BE REPORTED TO THE OWNER IMMEDIATELY.
6. THE CONTRACTOR SHALL COORDINATE ALL ASPECTS OF DEMOLITION AND RENOVATION WORK TO ENSURE NEAT AND PROPER REMOVAL OF EXISTING FINISHES, STRUCTURE, ETC. AS NOTED. INSTALL NEW CONSTRUCTION AS INDICATED ON PLANS, ALIGNING WITH EXISTING EDGES OR SURFACES AS REQUIRED. PATCH ALL SURFACES DAMAGED OR OTHERWISE IN NEED OF REPAIR.
7. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PROTECT EXISTING EXTERIOR SURFACES DURING RENOVATION AND SHALL PATCH OR REPAIR ANY SURFACE OR ITEM DAMAGED DURING RENOVATION TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.
8. THE CONTRACTOR SHALL CONDUCT DEMOLITION AND REMOVAL IN A CAREFUL MANNER AND SHALL BE RESPONSIBLE FOR PROVIDING BRACING, SHORING AND OTHER SUPPORTS AS REQUIRED TO PREVENT DAMAGE, SETTLEMENT OR COLLAPSE OF EXISTING STRUCTURES TO REMAIN. REFER TO TEMPORARY SHORING NOTES FOR ADDITIONAL INFORMATION.
9. ANY CONDITIONS UNCOVERED DURING CONSTRUCTION THAT APPEARS TO BE INCONSISTENT WITH THE CHARACTERISTICS OF THE DETAILS AND PLANS SHOWN IN THESE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER IMMEDIATELY.
10. WHEN UNANTICIPATED UTILITIES OR APPURTENANCES ARE FOUND DURING THE COURSE OF ANY PHASE OF WORK, ALL WORK ON THAT PHASE SHALL CEASE, EXCEPT THAT WHICH MAY BE REQUIRED TO ENSURE THE SAFETY OF PERSONNEL OR PROPERTY. THE OWNER AND ENGINEER OF RECORD SHALL BE NOTIFIED IMMEDIATELY.
11. PROVIDE AND MAINTAIN SHORING, BRACING, AND STRUCTURAL SUPPORTS AS REQUIRED TO PRESERVE STABILITY AND PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF CONSTRUCTION AND FINISHES TO REMAIN. STRENGTHEN OR ADD NEW SUPPORTS WHEN REQUIRED DURING THE PROGRESS OF SELECTIVE DEMOLITION. THE CONTRACTOR SHALL SUBMIT A SHORING PLAN INDICATING THE COMPONENTS AND MATERIAL THAT WILL BE USED. THE SHORING DRAWINGS AND SUPPORTING CALCULATIONS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE COMMONWEALTH OF VIRGINIA AND SUBMITTED FOR REVIEW BY THE ENGINEER OF RECORD. REFER TO TEMPORARY SHORING NOTES FOR ADDITIONAL INFORMATION.
12. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE CONSTRUCTION TO REMAIN AGAINST DAMAGE AND SPOILING DURING ANY PHASE OF WORK. WHEN PERMITTED BY THE OWNER, ITEMS MAY BE REMOVED TO A SUITABLE, PROTECTED STORAGE LOCATION WHILE THE WORK IS UNDERWAY AND CLEANED, RETURNED AND REINSTALLED ONCE THE WORK IS COMPLETE. THE CONTRACTOR SHALL NOTIFY THE OWNER SUFFICIENTLY FAR IN ADVANCE OF ANY REQUESTS TO RELOCATE EQUIPMENT TO AVOID PROJECT DELAYS.
13. TORCH OR FLAME CUTTING IS PROHIBITED WITHOUT THE PRIOR ACKNOWLEDGEMENT AND PERMISSION OF THE ENGINEER OF RECORD UNLESS OTHERWISE NOTED.
14. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING SAFE PASSAGE OF THE PUBLIC NEAR AND AROUND ANY PHASE OF WORK WITH PUBLIC ACCESS.
15. DEMOLITION DEBRIS SHALL BE THE PROPERTY OF THE CONTRACTOR AND DISPOSED OF ACCORDING TO APPROPRIATE REGULATIONS REGARDING CONSTRUCTION MATERIAL, EXCEPT AS NOTED.
16. BURNING OF DEBRIS IS NOT PERMITTED.
17. UPON COMPLETION OF ANY PHASE OF WORK, THE CONTRACTOR SHALL CLEAN THE AREAS ADJACENT TO THE WORK AND RETURN THEM TO THE CONDITION WHICH EXISTED PRIOR TO THE COMMENCEMENT OF WORK OR BETTER.
18. THE EXISTING PAINTS AND COATINGS AND MATERIALS HAVE NOT BEEN TESTED FOR LEAD BASED PAINT AND ASBESTOS. THE CONTRACTOR IS RESPONSIBLE FOR TAKING ALL NECESSARY PRECAUTIONS TO PROPERLY DISPOSE OF HAZARDOUS MATERIALS.

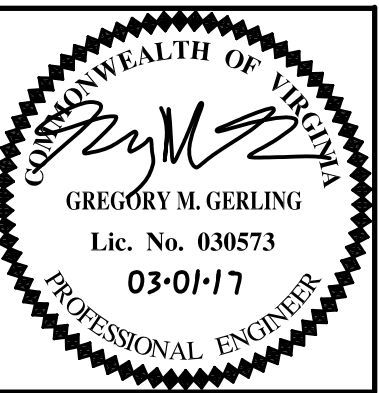


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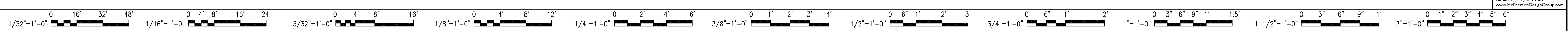
HISTORIC NANSEMOND COUNTY TRAINING SCHOOL STRUCTURAL SHORING
GENERAL NOTES
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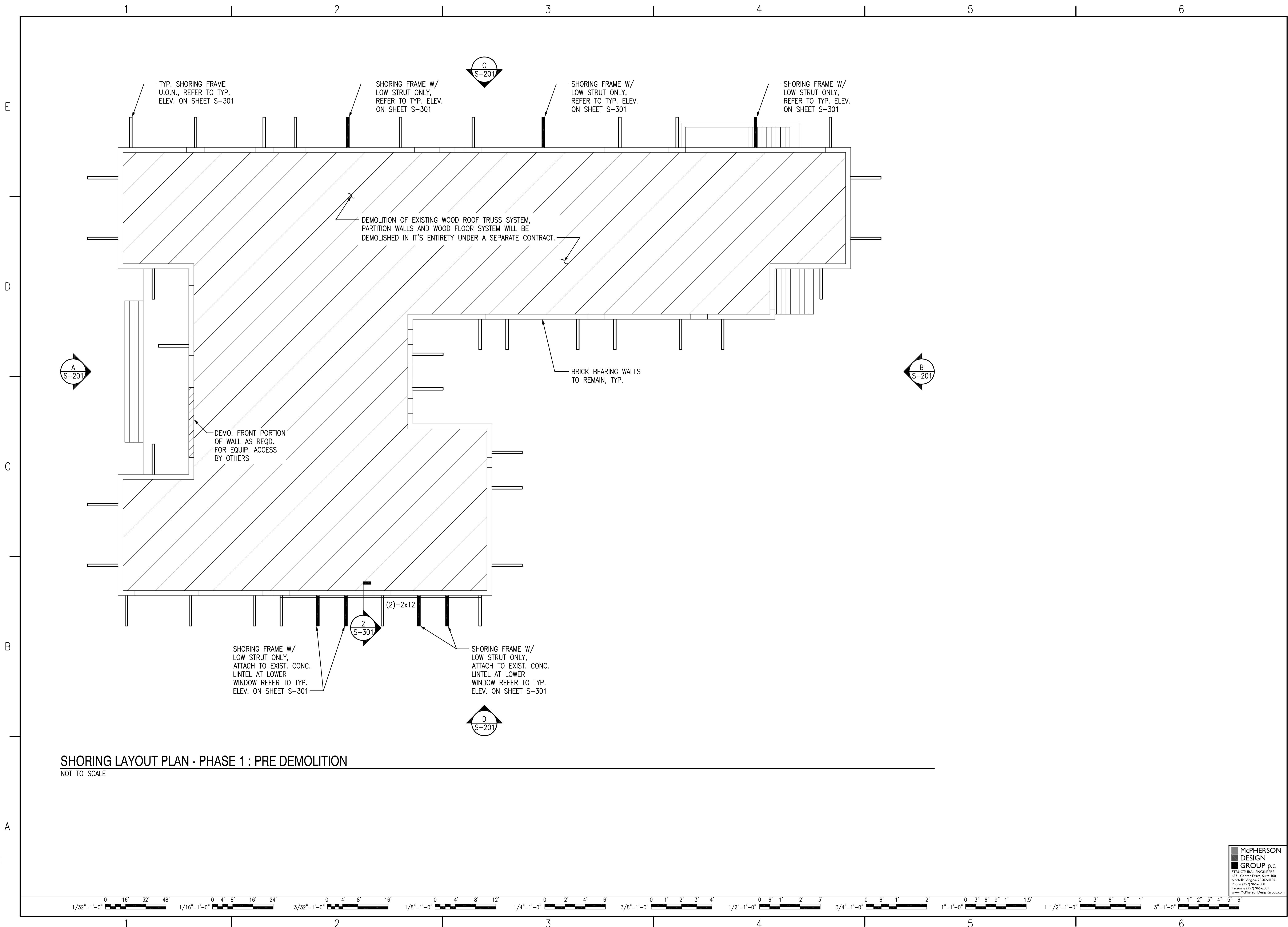
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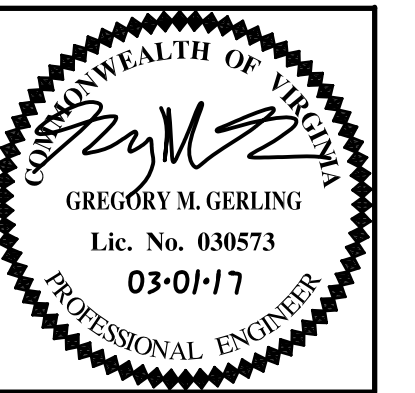
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SHORING LAYOUT PLAN - PHASE 1 : PRE DEMOLITION
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REVISIONS							
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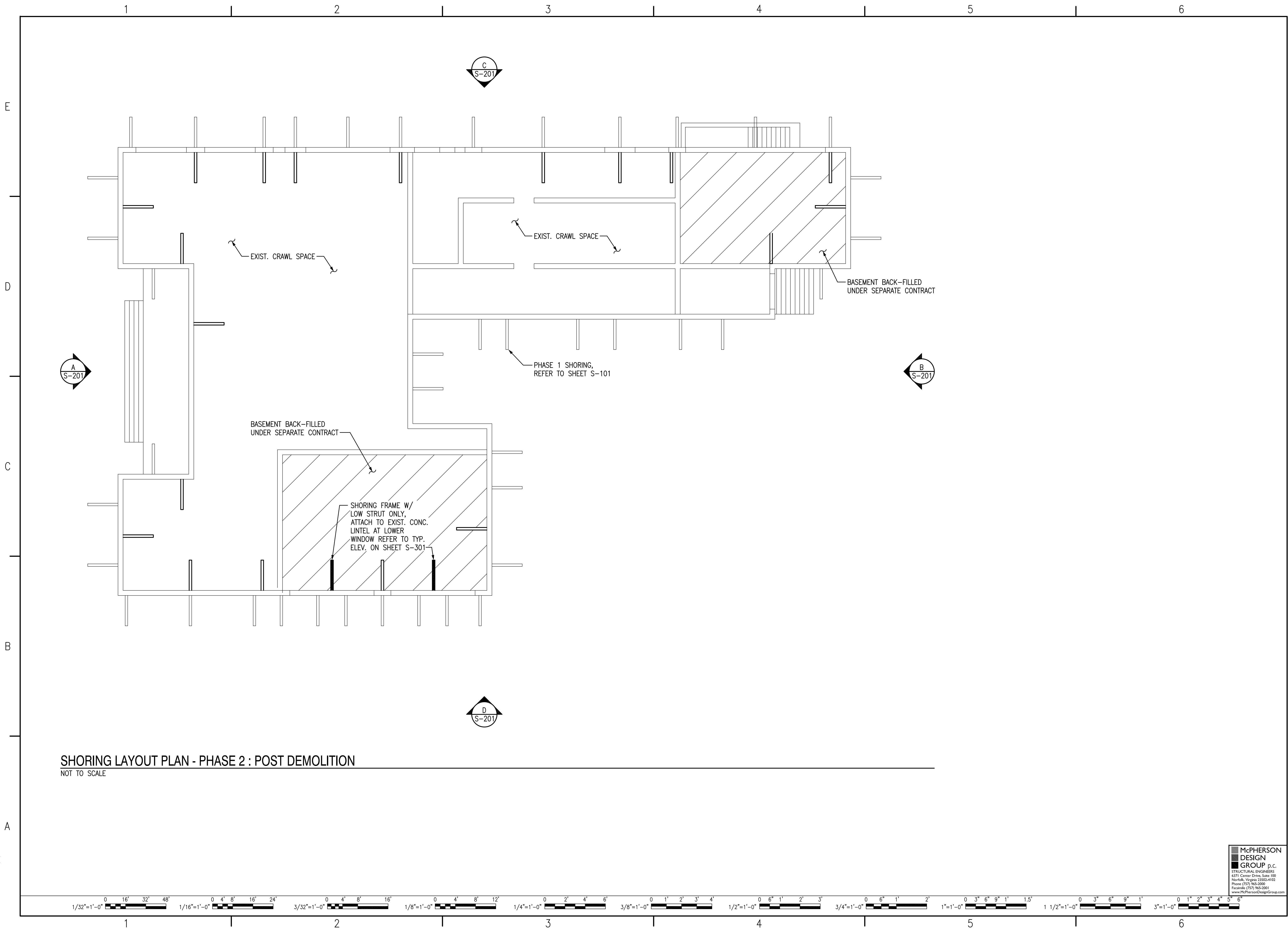


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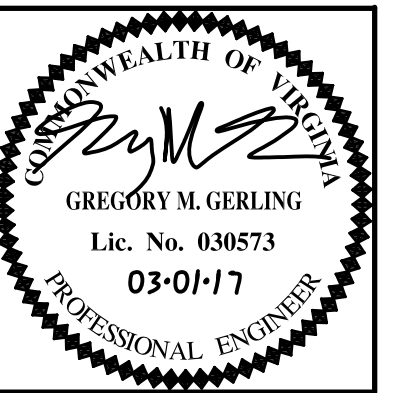
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SHORING LAYOUT PLAN - PHASE 2 : POST DEMOLITION
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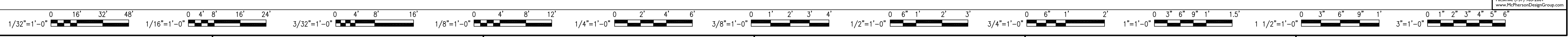
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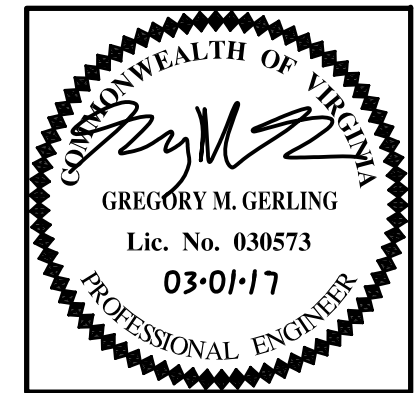
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PROJECT NO	DATE

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TRAINING SCHOOL STRUCTURAL SHORING

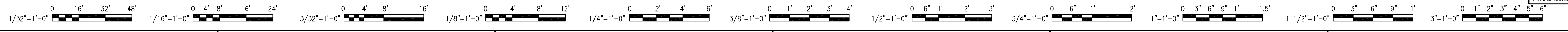
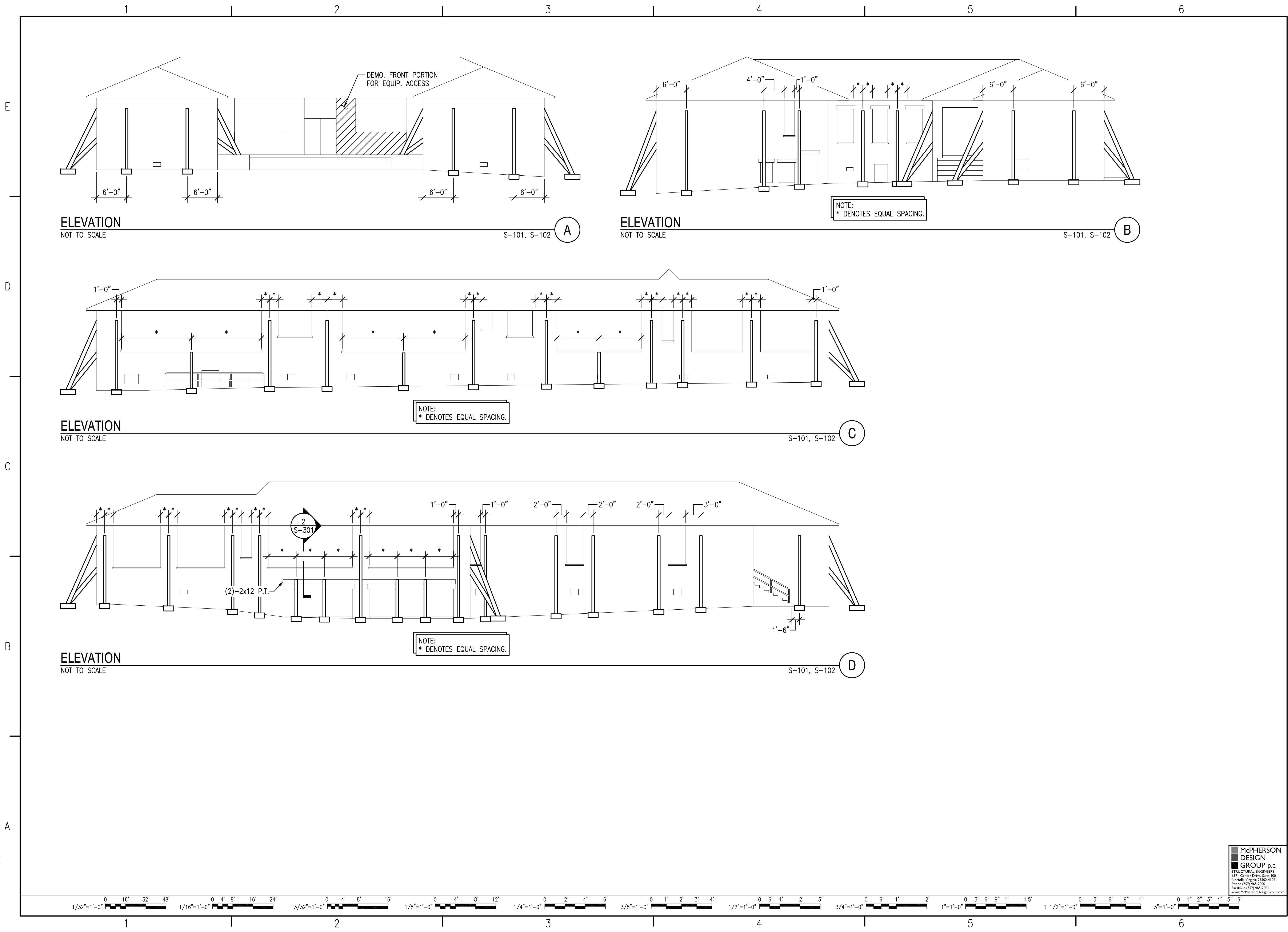
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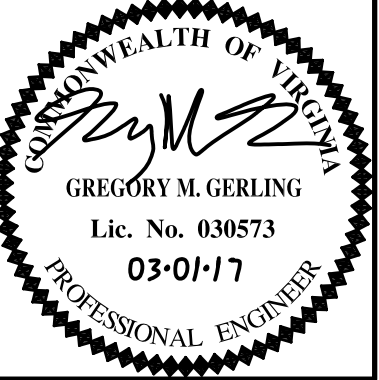
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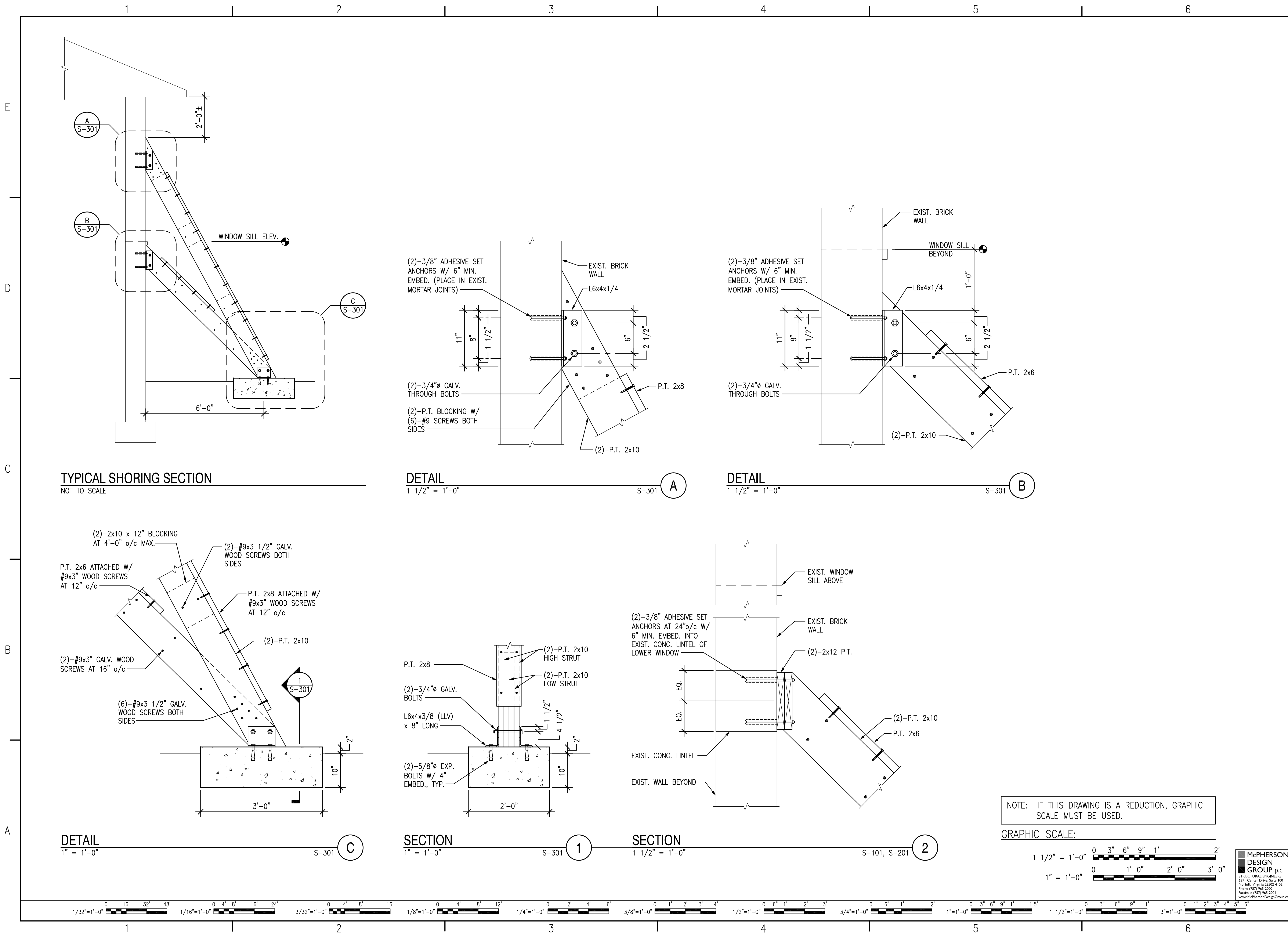
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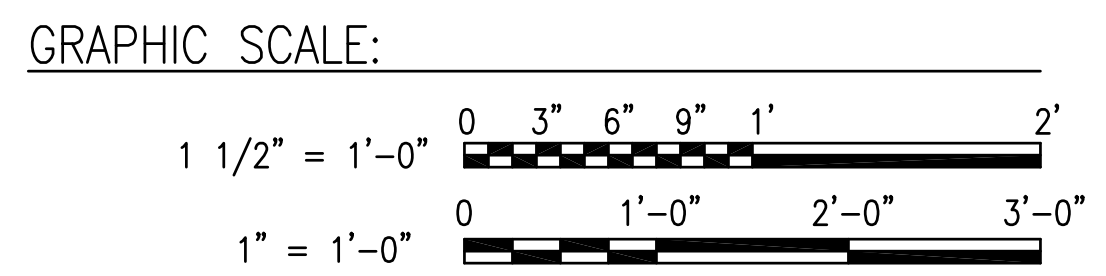
HISTORIC NANSEMOND COUNTY
 TRAINING SCHOOL STRUCTURAL SHORING
 SECTIONS AND DETAILS
 SHEET TITLE

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