

- NOTES:**
1. INSTALL 3" WIDE CONTINUOUS 40 ML. PVC LINER (LINER SHALL CONFORM TO PRODUCT SPECIFICATION PGI 1103, AS ADOPTED BY THE PVC GEOMEMBRANE INSTITUTE) FILLED WITH CEMENTIOUS GROUT. GROUT SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,500 PSI WITH FIBERGLASS REINFORCED ADDITIVE IN MIX—CONTRACTOR SHALL SUBMIT GROUT MIX TO ENGINEER PRIOR TO CONSTRUCTION.
 2. INSTALL TAPERED HARDWOOD SHIM TIGHT AND NAIL IN PLACE WITHOUT SPILLING SHIM.
 3. UNDERPIN ALL FIRST FLOOR AND EXTERIOR WALL DEAD LOADS PRIOR TO CONSTRUCTION BY OTHERS.
 4. NAIL ALL MEMBERS TO ABUTTING MEMBERS WITH AT LEAST 2-16d GALV. NAILS @ 4'-0" O.C. MAX. WITHOUT SPILLING EACH MEMBER.

GENERAL NOTES

GENERAL
 WORK PERFORMED AND MATERIALS TO BE PROVIDED AS SPECIFIED HEREIN SHALL CONFORM TO AND BE INSTALLED ACCORDING TO THE COMMONWEALTH OF MASSACHUSETTS HIGHWAY DEPARTMENT (MHD), "STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES" 1988

SHORING DESIGN
 IN ACCORDANCE WITH THE STRUCTURAL REQUIREMENTS SPECIFIED IN THE MASSACHUSETTS STATE BUILDING CODE.

EXISTING CONSTRUCTION
 DIMENSIONS SHOWN ON EXISTING STRUCTURE AND RELATED DETAILS WERE TAKEN AT THE TIME OF FIELD INSPECTION, SURVEY AND FROM DRAWINGS BY OTHERS AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL DETERMINE AND ESTABLISH ALL DIMENSIONS AND EXISTING DETAILS NECESSARY FOR COMPLETION OF ALL WORK BY FIELD SURVEY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ADEQUACY AND ACCURACY THEREOF, AND SHALL NOT ORDER ANY MATERIAL OR COMMENCE ANY FABRICATION UNTIL THE CONTRACTOR HAS MADE THE REQUIRED MEASUREMENTS ON THE EXISTING STRUCTURE AND THE EXTENT OF THE PROPOSED WORK HAS BEEN APPROVED BY THE ENGINEER.

FOUNDATIONS
 MAY BE ALTERED, IF NECESSARY, TO SUIT CONDITIONS ENCOUNTERED IN CONSTRUCTION WITH APPROVAL OF THE ENGINEER.

UNSUITABLE MATERIAL
 ALL UNSUITABLE MATERIAL SHALL BE REMOVED WITHIN THE LIMITS OF THE FOUNDATION OF THE STRUCTURE, AS DIRECTED BY THE ENGINEER.

CEMENT
 CEMENT SHALL CONFORM TO AASHTO DESIGNATION M85.

REINFORCEMENT
 REINFORCING BARS SHALL BE DEFORMED BARS CONFORMING TO THE REQUIREMENTS OF A.S.T.M. A615 GRADE 60. UNLESS OTHERWISE SHOWN ON THE PLANS, ALL #4 BARS SHALL BE LAPPED 24" AND ALL #5 BARS SHALL BE LAPPED 30". FOR HORIZONTAL BARS WITH 12" OR MORE OF CONCRETE BELOW THE BAR THE LAP LENGTHS SHALL BE 33" FOR #4 BARS AND 42" FOR #5 BARS. IF THE ABOVE BARS ARE SPACED 6" OR MORE ON CENTER, THE LAP LENGTH SHALL BE 80% OF THE LAP LENGTH GIVEN ABOVE. ALL OTHER BARS SHALL BE LAPPED AS SHOWN ON THE PLANS.

STRUCTURAL STEEL
 STRUCTURAL STEEL SHALL BE NEW STEEL CONFORMING TO THE FOLLOWING:

UNLESS NOTED OTHERWISE ASTM A 36 (FY = 36 KSI)

GALVANIZED STRUCTURAL STEEL
 UNLESS NOTED OTHERWISE ON THE PLANS ALL STRUCTURAL STEEL AND HARDWARE AS DESIGNATED THUS "GALV." ON THE PLANS SHALL BE GALVANIZED COATED AND SHALL COMPLY TO THE FOLLOWING REQUIREMENTS:

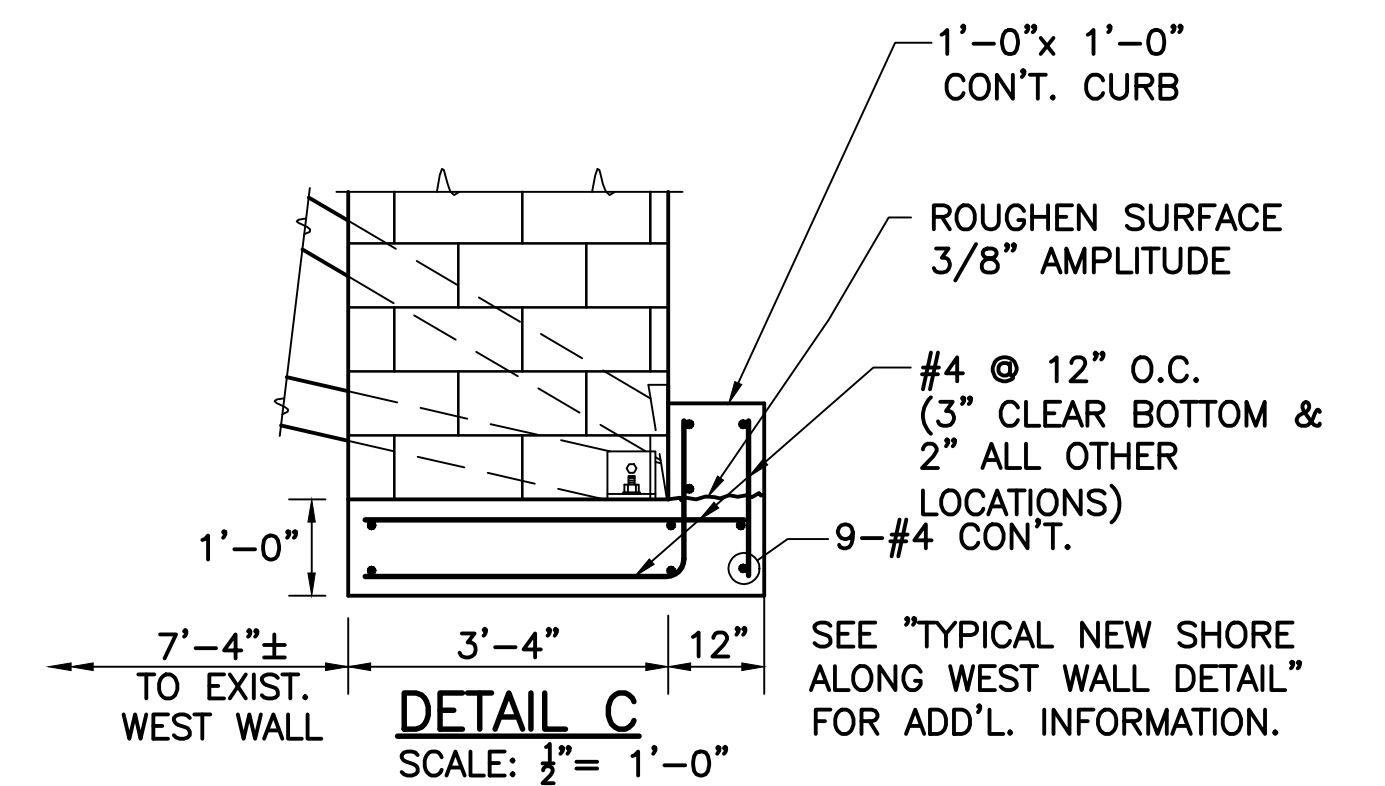
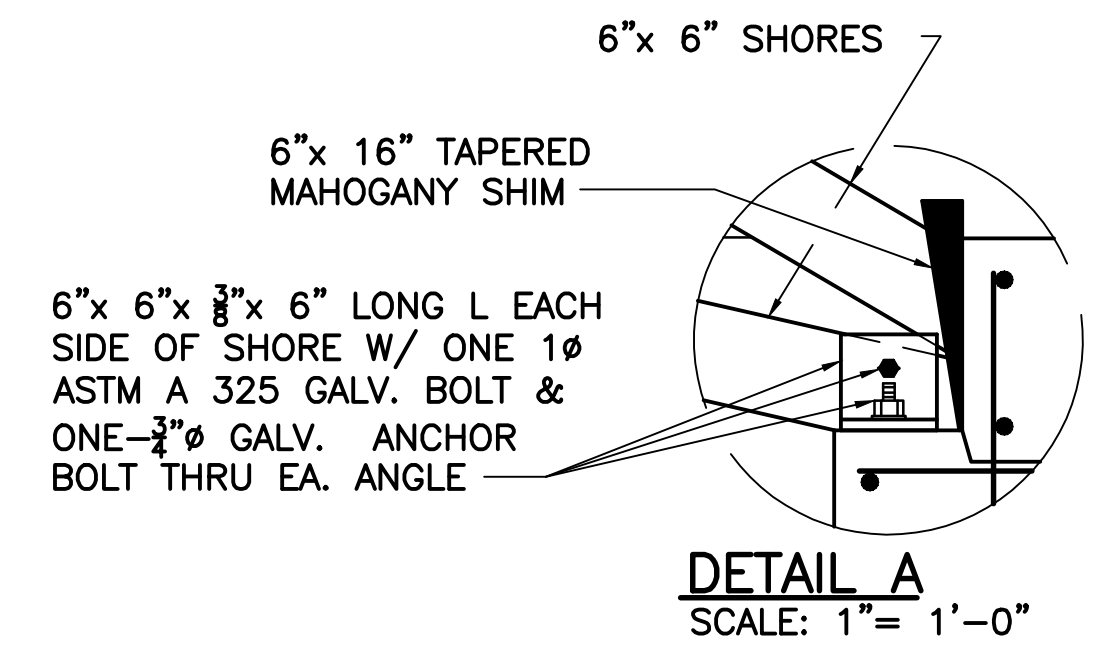
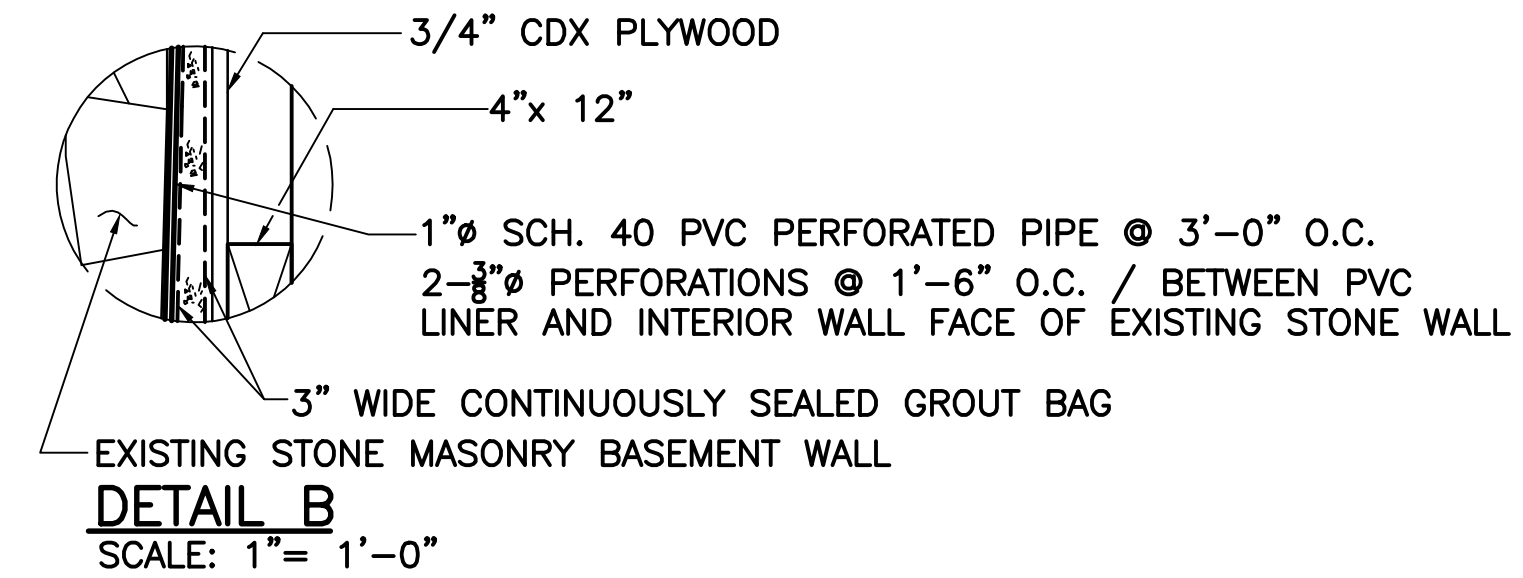
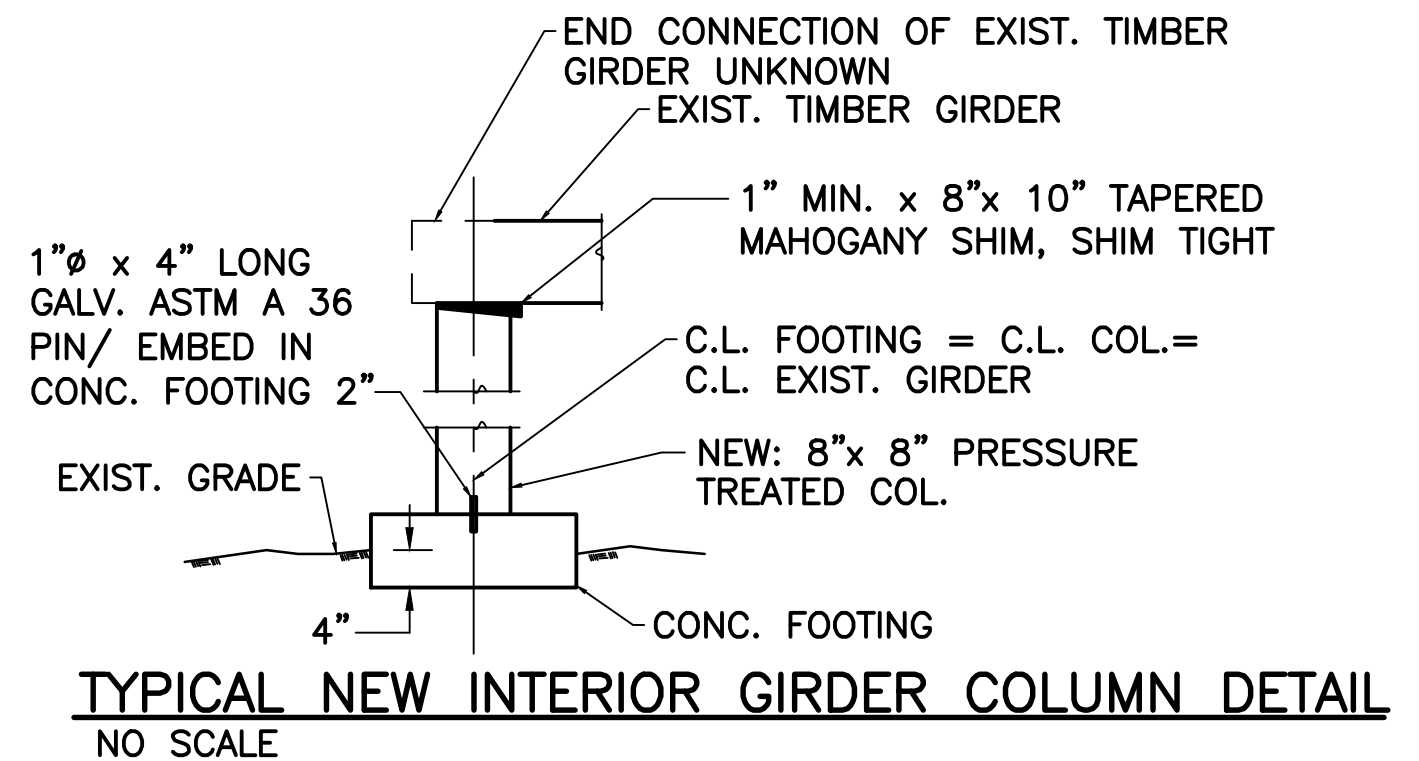
ASTM-A 123: SPECIFICATION FOR ZINC (HOT-GALVANIZED) COATINGS ON PRODUCTS FABRICATED FROM ROLLED, PRESSED, AND FORGED STEEL SHAPES, PLATES, BAR AND STRIP.

ASTM-A 153: SPECIFICATION FOR ZINC COATING (HOT-DIP) ON IRON AND STEEL HARDWARE.

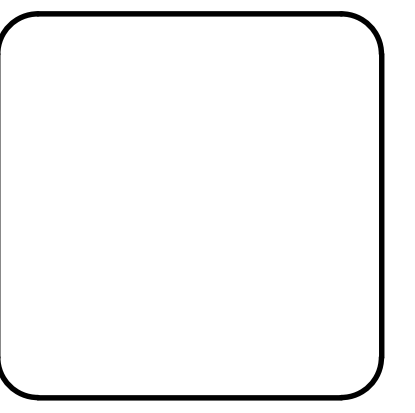
CONCRETE MIXES
 CEMENT CONTENT CLASSIFICATIONS SHOWN ON THESE PLANS SHALL COMPLY WITH THE FOLLOWING SPECIFICATIONS.

(1)	(2)	(3)
3,500	1/2	520

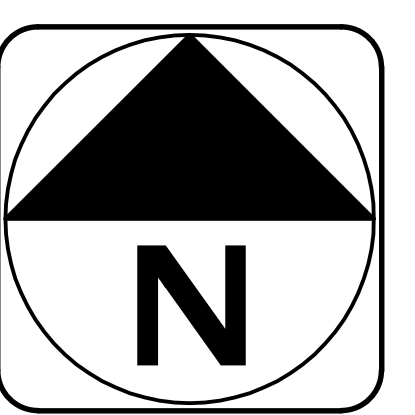
- (1) 28 DAY COMPRESSIVE STRENGTH (P.S.I.)
- (2) MAXIMUM AGREGATE SIZE (IN.)
- (3) CEMENT CONCRETE (LB./C.Y.)



NO.	DATE	BY	REVISION DESCRIPTION



SPAULDING GRISTMILL
 Townsend, MA
 Sheet 1 of 1 Sheet
JDB Consulting Engineers
 835 Samsot Rd., Eastham, MA 02642



Structural Shoring System
for Historic Spaulding
Mill Building

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