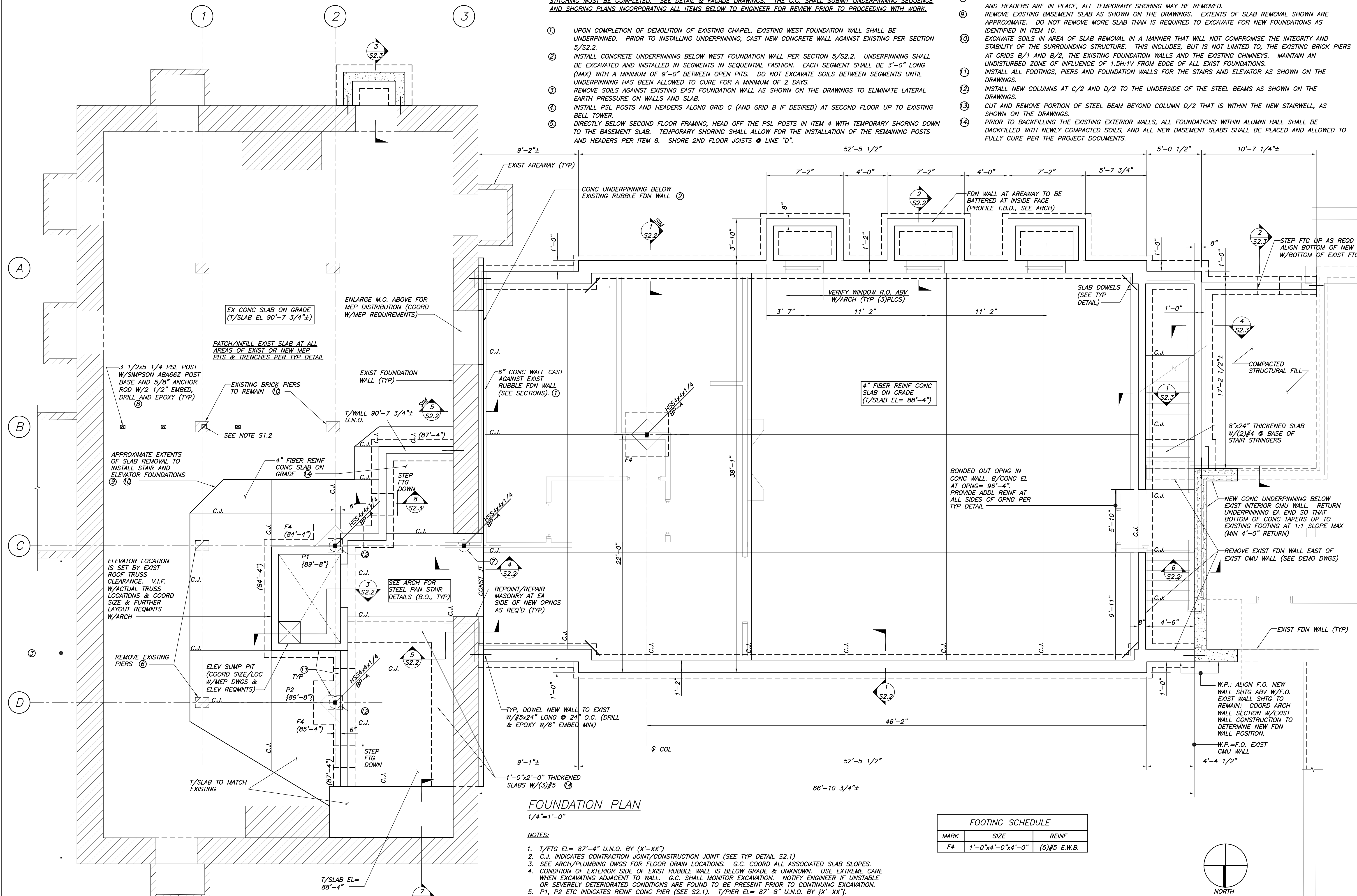


TEMPORARY SHORING SEQUENCE FOR ELEVATOR & STAIR INSTALLATION

THE FOLLOWING NOTES ARE INTENDED TO ASSIST THE G.C. IN SEQUENCING THE CONSTRUCTION AT THE EXISTING FOUNDATION LEVEL. THE G.C. SHALL COORDINATE WITH ALL OTHER AREAS OF WORK AND NOTIFY ARCH/ENGINEER OF ANY CONFLICTS PRIOR TO PROCEEDING. PRIOR TO BEGINNING THE FOLLOWING WORK, WORK ASSOCIATED W/MASONRY CRACK STITCHING MUST BE COMPLETED. SEE DETAIL & FACADE DRAWINGS. THE G.C. SHALL SUBMIT UNDERPINNING SEQUENCE AND SHORING PLANS INCORPORATING ALL ITEMS BELOW TO ENGINEER FOR REVIEW PRIOR TO PROCEEDING WITH WORK.

- ① UPON COMPLETION OF DEMOLITION OF EXISTING CHAPEL, EXISTING WEST FOUNDATION WALL SHALL BE UNDERPINNED. PRIOR TO INSTALLING UNDERPINNING, CAST NEW CONCRETE WALL AGAINST EXISTING PER SECTION 5/S2.2.
- ② INSTALL CONCRETE UNDERPINNING BELOW WEST FOUNDATION WALL PER SECTION 5/S2.2. UNDERPINNING SHALL BE EXCAVATED AND INSTALLED IN SEGMENTS IN SEQUENTIAL FASHION. EACH SEGMENT SHALL BE 3'-0" LONG (MAX) WITH A MINIMUM OF 9'-0" BETWEEN OPEN PITS. DO NOT EXCAVATE SOILS BETWEEN SEGMENTS UNTIL UNDERPINNING HAS BEEN ALLOWED TO CURE FOR A MINIMUM OF 2 DAYS.
- ③ REMOVE SOILS AGAINST EXISTING EAST FOUNDATION WALL AS SHOWN ON THE DRAWINGS TO ELIMINATE LATERAL EARTH PRESSURE ON WALLS AND SLAB.
- ④ INSTALL PSL POSTS AND HEADERS ALONG GRID C (AND GRID B IF DESIRED) AT SECOND FLOOR UP TO EXISTING BELL TOWER.
- ⑤ DIRECTLY BELOW SECOND FLOOR FRAMING, HEAD OFF THE PSL POSTS IN ITEM 4 WITH TEMPORARY SHORING DOWN TO THE BASEMENT SLAB. TEMPORARY SHORING SHALL ALLOW FOR THE INSTALLATION OF THE REMAINING POSTS AND HEADERS PER ITEM 8. SHORE 2ND FLOOR JOISTS @ LINE "D".

- ⑥ SHORE EXISTING FIRST FLOOR JOISTS DOWN TO THE BASEMENT SLAB AT THE TIMBER BEAMS ALONG GRIDS C AND D. ONCE ALL POSTS, HEADERS AND SHORING ARE INSTALLED PER ITEMS 4-6, REMOVE BOTH TIMBER BEAMS AND THE FOUR BRICK PIERS ON GRIDS C AND D.
- ⑦ INSTALL NEW STEEL BEAMS ON GRIDS C AND D AND INSTALL COLUMN AT GRID C/3. NEW BEAMS SHALL SPAN THE FULL WIDTH OF THE BUILDING AND BE SUPPORTED ON THE EXISTING MASONRY WALL OR NEW STEEL COLUMN AS SHOWN ON THE DRAWINGS. RE-ATTACH EXISTING JOISTS TO STEEL BEAMS AS SHOWN IN SECTION 2/S3.2.
- ⑧ INSTALL THE FIRST FLOOR POSTS AND HEADERS ON GRID C AS SHOWN ON THE DRAWINGS. ONCE THE POSTS AND HEADERS ARE IN PLACE, ALL TEMPORARY SHORING MAY BE REMOVED.
- ⑨ REMOVE EXISTING BASEMENT SLAB AS SHOWN ON THE DRAWINGS. EXTENTS OF SLAB REMOVAL SHOWN ARE APPROXIMATE. DO NOT REMOVE MORE SLAB THAN IS REQUIRED TO EXCAVATE FOR NEW FOUNDATIONS AS IDENTIFIED IN ITEM 10.
- ⑩ EXCAVATE SOILS IN AREA OF SLAB REMOVAL IN A MANNER THAT WILL NOT COMPROMISE THE INTEGRITY AND STABILITY OF THE SURROUNDING STRUCTURE. THIS INCLUDES, BUT IS NOT LIMITED TO, THE EXISTING BRICK PIERS AT GRIDS B/1 AND B/2, THE EXISTING FOUNDATION WALLS AND THE EXISTING CHIMNEYS. MAINTAIN AN UNDISTURBED ZONE OF INFLUENCE OF 1.5H:1V FROM EDGE OF ALL EXIST FOUNDATIONS.
- ⑪ INSTALL ALL FOOTINGS, PIERS AND FOUNDATION WALLS FOR THE STAIRS AND ELEVATOR AS SHOWN ON THE DRAWINGS.
- ⑫ INSTALL NEW COLUMNS AT C/2 AND D/2 TO THE UNDERSIDE OF THE STEEL BEAMS AS SHOWN ON THE DRAWINGS.
- ⑬ CUT AND REMOVE PORTION OF STEEL BEAM BEYOND COLUMN D/2 THAT IS WITHIN THE NEW STAIRWELL, AS SHOWN ON THE DRAWINGS.
- ⑭ PRIOR TO BACKFILLING THE EXISTING EXTERIOR WALLS, ALL FOUNDATIONS WITHIN ALUMNI HALL SHALL BE BACKFILLED WITH NEWLY COMPACTED SOILS, AND ALL NEW BASEMENT SLABS SHALL BE PLACED AND ALLOWED TO FULLY CURE PER THE PROJECT DOCUMENTS.

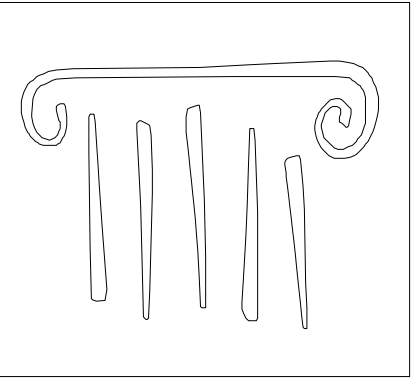
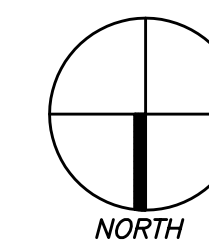


FOUNDATION PLAN
1/4"=1'-0"

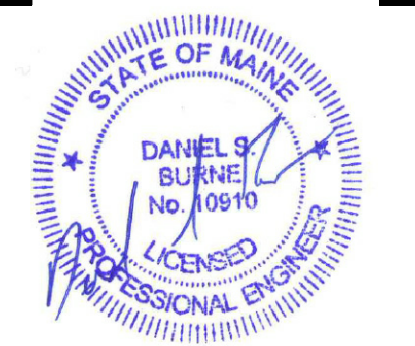
NOTES:

1. T/FTG EL= 87'-4" U.N.O. BY (X'-XX')
2. C.J. INDICATES CONTRACTION JOINT/CONSTRUCTION JOINT (SEE TYP DETAIL S2.1)
3. SEE ARCH/PLUMBING DWGS FOR FLOOR DRAIN LOCATIONS. G.C. COORD ALL ASSOCIATED SLAB SLOPES.
4. CONDITION OF EXTERIOR SIDE OF EXIST RUBBLE WALL IS BELOW GRADE & UNKNOWN. USE EXTREME CARE WHEN EXCAVATING ADJACENT TO WALL. G.C. SHALL MONITOR EXCAVATION. NOTIFY ENGINEER IF UNSTABLE OR SEVERELY DETERIORATED CONDITIONS ARE FOUND TO BE PRESENT PRIOR TO CONTINUING EXCAVATION.
5. P1, P2 ETC INDICATES REINF CONC PIER (SEE S2.1). T/PIER EL= 87'-8" U.N.O. BY (X'-XX').
6. BP- INDICATES COLUMN BASEPLATE (SEE S3.1).
7. ①, ②, ETC. INDICATES TEMPORARY SHORING PROCEDURE TO BE COMPLETED TO ACHIEVE INSTALLATION OF STAIR AND ELEVATOR WITHIN EXISTING BUILDING (REFER TO NOTES THIS DWG).

FOOTING SCHEDULE		
MARK	SIZE	REINF
F4	1'-0"x4'-0"x4'-0"	(5)#5 E.W.B.



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Allied Engineering
Structural Mechanical Electrical Commissioning



REVISIONS		
No.	Description	Date

PERMIT SET

**UNIVERSITY OF
NEW ENGLAND**
PORTLAND, MAINE

**ALUMNI HALL
RENOVATION**

**FOUNDATION
PLAN**

Project Number 3450
Date May 1, 2015
Drawn by MSK
Checked by CGW

S2
Scale AS NOTED