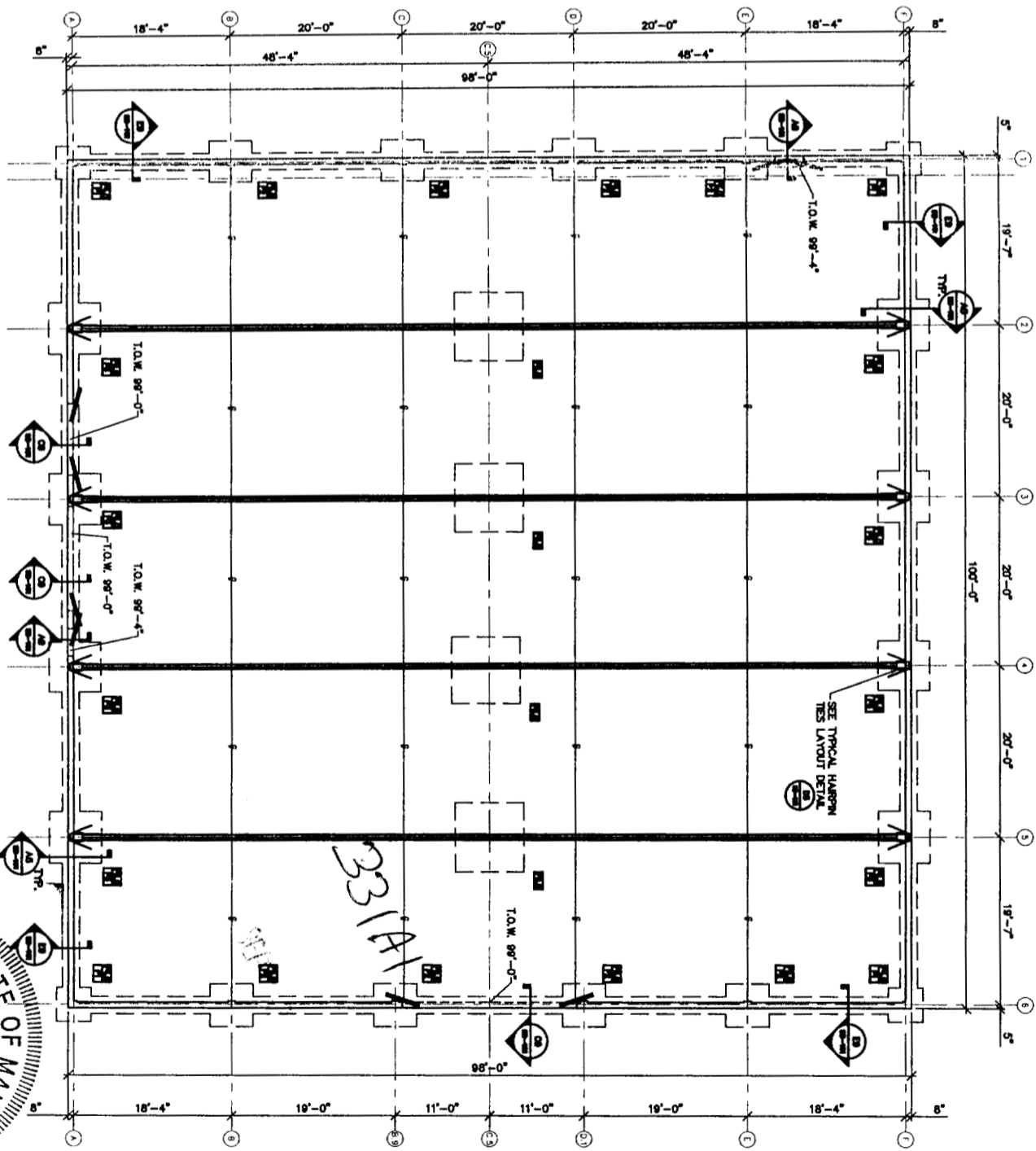


FOOTING SCHEDULE		
TAG	SIZE	REINFORCING (EACH WAY)
FA0	4'-0" x 4'-0" x 1'-0"	(5) #4
FB0	5'-0" x 5'-0" x 1'-0"	(6) #5
FC0	6'-0" x 6'-0" x 1'-1"	(6) #6
FD0	8'-0" x 8'-0" x 1'-4"	(8) #7

PIER SCHEDULE				
TYPE	SIZE	VERT.	HORIZ. TIES	TOP PER
P1	10'-0" x 12"	4#5	4#5@8"	-
P2	10'-0" x 10"	4#5	4#5@8"	-
P3	12'-0" x 10"	5#5	5#5@8"	-

FOOTING SCHEDULE		PIER SCHEDULE	
G7		G9	

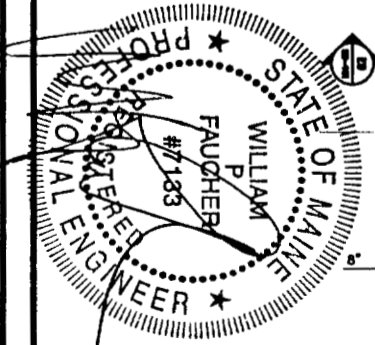


- GENERAL**
- ALL WORK SHALL BE DONE IN COMPLIANCE WITH THE 1989 BOCA NATIONAL BUILDING CODE.
  - ALL WORK SHALL BE DONE IN AN ORDERLY AND PROFESSIONAL MANNER. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL WORK TO BE DONE BY SUBCONTRACTORS, LOCAL AUTHORITIES, STATE AGENCIES AND/OR UTILITY COMPANIES WHICH MAY HAVE JURISDICTION OVER THIS PROJECT.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS AND METHODS AND ALL TEMPORARY SHORING, PRECAUTIONS DURING BUILDING OPERATIONS, PROTECTION OF PUBLIC AND WORKERS, REMOVAL OF WASTE MATERIAL, PROTECTION OF ADJACENT PROPERTY, PROTECTION OF HAZARDOUS CONDITIONS, SAFETY PRECAUTIONS AND SAFETY PROVISIONS OF EMPLOYEES AND SUBCONTRACTORS AS REQUIRED FOR THE DURATION OF THE CONTRACT.
- FOUNDATIONS**
- NO CONCRETE SHALL BE PLACED IN WATER OR ON FROZEN GROUND. FOOTING EXCAVATION SHALL BE KEPT DRY.
  - ALL FOUNDATIONS SHALL BEAR ON UNDISTURBED NATIVE SOILS OR COMPACTED STRUCTURAL FILL AT 4'-0" MINIMUM BELOW LOWEST ADJACENT FINISH OR NATURAL GRADE WHICHEVER IS LOWER.
  - ALL BARGEPI UNDER OR ADJACENT TO ANY PORTION OF THE BUILDING SHALL BE COMPACTED IN 6" LIFTS.
  - NET ALLOWABLE SOIL BEARING CAPACITY USED FOR DESIGN ASSUMED 2000 PSF BEARING CAPACITY.
  - ALL FLOOR SLABS SHALL BE SUPPORTED BY A MINIMUM OF 8 INCHES OF COMPACTED STRUCTURAL FILL.
  - ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATIONS, ALL LATEST EDITIONS OF THE AIA BUILDING CODE (ACI 318 AND ACI 301).
  - ALL CONCRETE FOR FOOTINGS, FOUNDATIONS AND INTERIOR SLABS SHALL ATTAIN 3,000 PSI MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS AGE. ALL CONCRETE FOR EXTERIOR SIDEWALKS AND EXTERIOR SLABS SHALL ATTAIN 4,000 PSI MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS AGE. USE 1" STONE IN ALL CONCRETE.
  - AT LEAST 48 HOURS SHALL ELAPSE BEFORE DEPOSITING OF NEW CONCRETE AGAINST PREVIOUSLY PLACED CONCRETE.
  - SAW CUTS FOR FLOOR SLAB CONTROL JOINTS SHALL BE MADE AS SOON AS THE SLAB CAN SUPPORT THE WEIGHT OF THE SAW BUT NOT MORE THAN 12 HOURS AFTER PLACING CONCRETE.
  - PROVIDE ISOLATION JOINTS WHERE SLAB ON GRADE JOINTS VERTICAL FACES. THESE JOINTS SHALL BE FORMED WITH PRECASTED JOINT FILLER 1/2" THICK FOR INTERIOR SLABS. SEAL THE TOP OF ALL JOINTS WITH A NON-CRACKING SEALANT.
  - ALL TOOLED OR SAWN JOINTS SHALL BE FILLED WITH A NON-CRACKING SEALANT WHERE CONCRETE FLOOR IS EXPOSED.
  - SLABT CONCRETE MIX DESIGNS FOR REFER.
  - MAXIMUM SLUMP = 4"
  - MAXIMUM FREEDROP OF ANY CONCRETE 6'-0"
  - DRYPACK (NON-SPEAK GROUT) SHALL BE ONE PART GROUT AND 2-1/2 PARTS SAND. DRYPACK SHALL BE PLACED TO FILL ALL Voids AND FORM SAND STICKING MATERIAL ON THE SURFACE WHEN SQUEEZED. IT SHALL BE FINISHED IN TIGHT TO MAXIMUM DENSITY ATTAINABLE. MINIMUM 28 DAY STRENGTH TO BE 5000 PSI.
- REINFORCING**
- ALL DETAILING, FABRICATION AND ERECTION OF REINFORCING BARS SHALL CONFORM WITH THE CURRENT AIA MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES (ACI 315) AND THE CURRENT EDITION OF THE CRES MANUAL OF STANDARD PRACTICE.
  - CONCRETE COVER FOR STEEL REINFORCING BARS SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED:  
 UNFORMED CONCRETE PLACED AGAINST EARTH 5"  
 FORMED CONCRETE EXPOSED TO WEATHER AND EARTH 2"  
 FORMED CONCRETE NOT EXPOSED TO WEATHER OR EARTH 1"
  - ALL REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60 (FY = 60,000 PSI) AND PLACED PER AIA 318 AND CRES STANDARDS.
  - ALL 6" SLABS ON GRADE SHALL BE REINFORCED WITH #4 BARS AT 18" O.C. UNLESS OTHERWISE NOTED. SLAB REINFORCEMENT SHALL BE INSTALLED AT 180 DEGREE.
  - ALL BARS IN CONCRETE WALLS SHALL BE CONTINUOUS AROUND CORNERS OF EQUAL SIZE AND SPACING SHALL BE PROVIDED. BARS SHALL BE HOOKED AT DISCONTINUOUS ENDS.
  - LAP SPACES IN CONCRETE 36 BAR DIAMETERS
  - PROVIDE BENT CORNER REINFORCING TO MATCH AND LAP WITH HORIZONTAL REINFORCING AT CORNERS AT INTERSECTIONS OF WALLS AT FOOTINGS.
  - ALL REINFORCING SHALL BE INSPECTED AND APPROVED BY THE ENGINEER OR HIS DESIGNATE BEFORE CONCRETE IS PLACED.
  - DO NOT ALL VERTICAL REINFORCING TO FOUNDATIONS.
  - SECURELY TIE ALL REINFORCING AND EMBEDDED PILES IN POSITION BEFORE PLACING CONCRETE OR GROUT.
  - SUBMIT PLACING DRAWINGS PER AIA DETAILING MANUAL (ACI 315-90), FABRICATE AFTER ENGINEERS REVIEW. INCLUDE ELEVATIONS SHOWING REINFORCING STEEL AT ALL CONCRETE AND MASONRY WALLS AND FOOTINGS.

A1 NOTES

A5 FOUNDATION PLAN

- 1/8" = 1'-0"
- FINISHED FLOOR (F.F.) ELEVATION = 100'-0" (U.L.S.)  
 PERIMETER FOUNDATION TOP OF WALL (T.W.) ELEVATION = 100'-0" (U.L.S.)  
 INTERIOR COLUMN FOOTINGS (I.C.F.) ELEVATION = 98'-0" (U.L.S.)  
 TOP OF PIER (T.O.P.) ELEVATION = 100'-0" (U.L.S.)  
 PERIMETER FOUNDATION BOTTOM OF FOOTING (B.O.F.) ELEVATION = (-4'-0")  
 PERIMETER FOUNDATION BELOW FINISHED GRADE (U.L.S.)
- PROVIDE FOOTING STEPS AS REQUIRED TO MAINTAIN BOTTOM OF FOOTING ELEVATION AT (-4'-0") BELOW FINISHED GRADE. REFER TO DETAILS E1 AND E2 ON SHEET SB-101 FOR FOOTING STEP DETAILS.
- [ ] = FOOTING SIZE SEE SCHEDULE 07/29-100  
 [ ] = PIER SIZE SEE SCHEDULE 09/29-100



REVISIONS			
NO.	DATE	BY	DESCRIPTION

**allied engineering, inc.**  
 FULL SERVICE CONSULTING ENGINEERS  
 STRUCTURAL • MECHANICAL • ELECTRICAL • TECHNOLOGY  
 ENVIRONMENTAL SERVICES • CONSTRUCTION ADMINISTRATION

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**SB-100**

FOUNDATION PLAN AND DETAILS

BUILDING 4 OR BUILDING 8  
 1039 RIVERSIDE STREET  
 PORTLAND, MAINE

Date: 08/11/04  
 Drawn By: KWH  
 Checked By: WFF  
 Project Mgr: WFF  
 Project No: 04078  
 Conf. File: 04078L.dwg

Graphic: 0  
 Scale: 1"

