

**GENERAL**

1. ALL WORK SHALL BE DONE IN COMPLIANCE WITH THE IBC 2000 BUILDING CODE.
2. ALL WORK SHALL BE DONE IN AN ORDERLY AND PROFESSIONAL MANNER. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL WORK TO BE DONE BY SUBCONTRACTORS, LOCAL AUTHORITIES, STATE AGENCIES AND/OR UTILITY COMPANIES WHICH MAY HAVE JURISDICTION OVER THIS PROJECT.
3. 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 OPENINGS, SAFETY PRECAUTIONS, AND SANITARY PROVISIONS OF EMPLOYEES AND SUBCONTRACTORS AS REQUIRED FOR THE DURATION OF THE CONTRACT.

**FOUNDATIONS**

1. NO CONCRETE SHALL BE PLACED IN WATER OR ON FROZEN GROUND. FOOTING EXCAVATION SHALL BE KEPT DRY.
2. ALL FOUNDATIONS SHALL BEAR ON UNDISTURBED NATIVE SOILS OR COMPACTED STRUCTURAL FILL AT 4"-6" MINIMUM BELOW LOWEST ADJACENT FINISH OR NATURAL GRADE WHICHEVER IS LOWER.
3. ALL BACKFILL UNDER OR ADJACENT TO ANY PORTION OF THE BUILDING SHALL BE COMPACTED IN 8" LIFTS.
4. NET ALLOWABLE SOIL BEARING CAPACITY USED FOR DESIGN, ASSUMED 2000 PSF BEARING CAPACITY.
5. ALL FLOOR SLABS SHALL BE SUPPORTED BY A MINIMUM OF 8 INCHES OF COMPACTED STRUCTURAL FILL.
6. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATIONS, THE LATEST EDITIONS OF THE ACI BUILDING CODE (ACI) 318 AND ACI 301.
7. ALL CONCRETE FOR FOOTINGS, FOUNDATIONS SHALL ATTAIN 3,000 PSI. AND INTERIOR SLABS SHALL ATTAIN 3,500 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.
8. 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.
10. PROVIDE ISOLATION JOINTS WHERE SLAB ON GRADE ABUTS VERTICAL FACES. THESE JOINTS SHALL BE FORMED WITH PREMOLDED JOINT FILLER 1/2" INCH THICK FOR INTERIOR SLABS. SEAL THE TOP OF ALL JOINTS WITH A NON-CRACKING SEALANT.
11. ALL TOOLED OR SAWN JOINTS SHALL BE FILLED WITH A NON-CRACKING SEALANT WHERE CONCRETE FLOOR IS EXPOSED.
12. SUBMIT CONCRETE MIX DESIGNS FOR REVIEW.
13. MAXIMUM SLUMP = 4"
14. MAXIMUM FREEDROP OF ANY CONCRETE 6'-0"
15. DRYPACK (NON-SHRINK GROUT) SHALL BE ONE PART CEMENT AND 2-1/2 PARTS SAND WITH JUST ENOUGH WATER TO HYDRATE CEMENT AND FORM A BALL SHOWING MOISTURE ON THE SURFACE WHEN SQUEEZED. IT SHALL BE RAINED IN TIGHT TO MAXIMUM DENSITY ATTAINABLE. MINIMUM 28 DAY STRENGTH TO BE 5000 PSI.
16. ALL INTERIOR CONCRETE SLAB SHALL NOT CONTAIN AIR ENTRAINMENT. ADMIXTURE.

**REINFORCING**

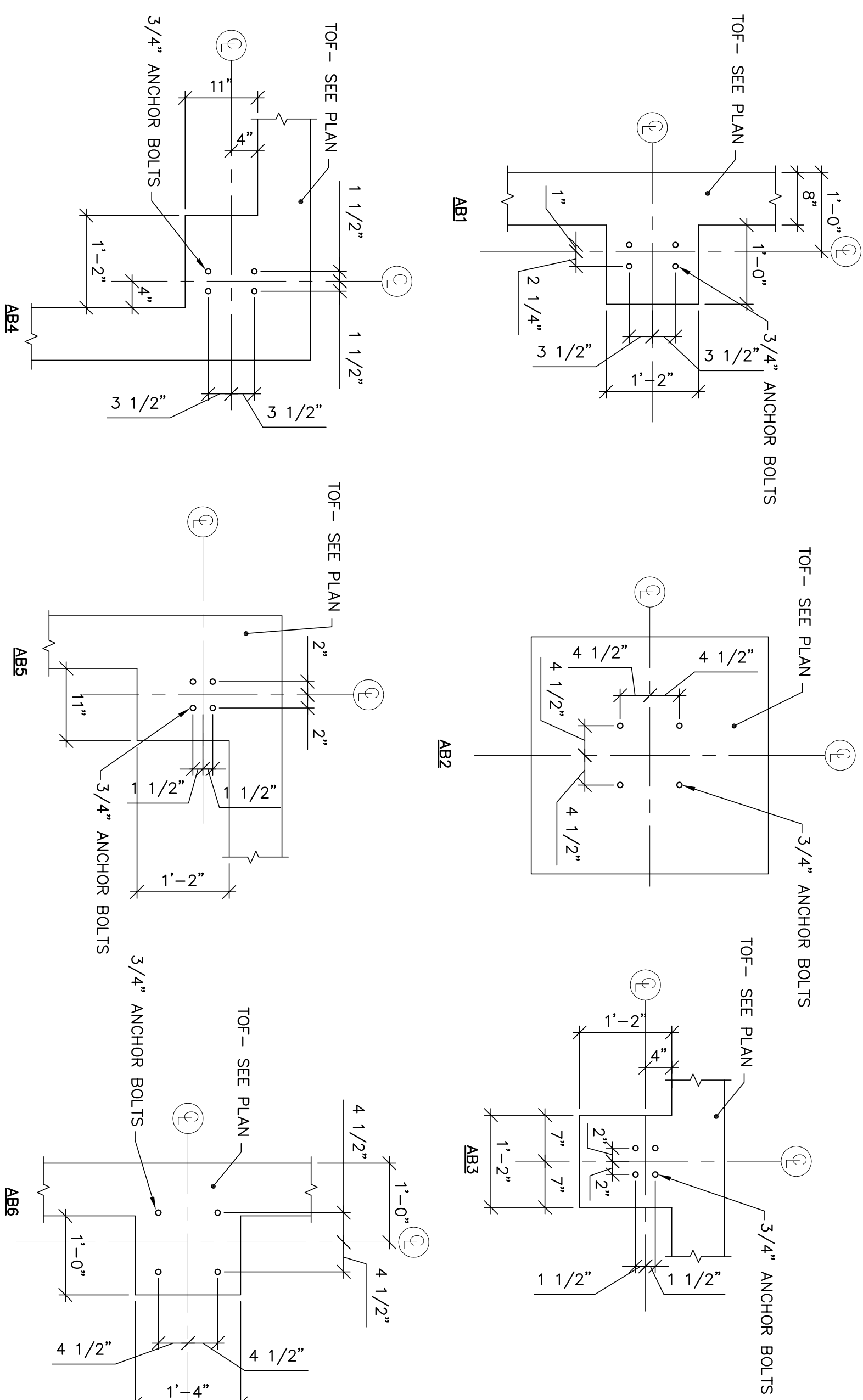
1. ALL DETAILING, FABRICATION AND ERECTION OF REINFORCING BARS SHALL COMPLY WITH THE CURRENT ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES (ACI 315) AND THE CURRENT EDITION OF THE CRSI MANUAL OF STANDARD PRACTICE.
2. CONCRETE COVER FOR STEEL REINFORCING BARS SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED:  
UNFORMED CONCRETE PLACED AGAINST EARTH 3"  
FORMED CONCRETE EXPOSED TO WEATHER AND EARTH 2"  
FORMED CONCRETE NOT EXPOSED TO WEATHER OR EARTH 1"
3. ALL REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60 (F<sub>y</sub> = 60,000 PSI) AND PLACED PER ACI 318 AND CRSI STANDARDS.
4. ALL 6" SLABS ON GRADE SHALL BE REINFORCED WITH #4 BARS AT 18" O.C. UNLESS OTHERWISE NOTED. SLAB REINFORCEMENT SHALL BE INSTALLED AT MID DEPTH.
5. ALL BARS IN CONCRETE WALLS SHALL BE CONTINUOUS AROUND CORNERS OR CORNER BARS OF EQUAL SIZE AND SPACING SHALL BE PROVIDED. BARS SHALL BE HOOKED AT DISCONTINUOUS ENDS.
6. LAP SPLICES IN CONCRETE 36 BAR DIAMETERS
7. PROVIDE BENT CORNER REINFORCING TO MATCH AND LAP WITH HORIZONTAL REINFORCING AT CORNERS AT INTERSECTIONS OF WALLS AT FOOTINGS.
8. ALL REINFORCING SHALL BE INSPECTED AND APPROVED BY THE ENGINEER OR HIS DESIGNATE BEFORE CONCRETE IS PLACED.
9. DOWEL ALL VERTICAL REINFORCING TO FOUNDATIONS.
10. SECURELY TIE ALL REINFORCING AND EMBEDDED ITEMS IN POSITION BEFORE PLACING CONCRETE OR GROUT.
11. SUBMIT PLACING DRAWINGS PER A.C.I. DETAILING MANUAL (ACI 315-80), FABRICATE AFTER ENGINEERS REVIEW. INCLUDE ELEVATIONS SHOWING REINFORCING STEEL AT ALL CONCRETE AND MASONRY WALLS AND FOOTINGS.

FOOTING SCHEDULE		
TAG	SIZE	REINFORCING (EACH WAY)
F3.0	3'-0"x3'-0"x1'-0"	(3) #4
F4.0	4'-0"x4'-0"x1'-0"	(5) #4
F4.5	4'-6"x4'-6"x1'-0"	(7) #4
F6.0	6'-0"x6'-0"x1'-1"	(6) #6
F8.0	8'-0"x8'-0"x1'-4"	(8) #7
F8.5	8'-6"x8'-6"x1'-5"	(7) #8

PIER SCHEDULE			
TYPE	SIZE	VERT.	HORIZ. TIES
P1	14"x14"	4#6	#306"
P2	16"x16"	4#6	#306"

**G7 FOOTING SCHEDULE**

**G9 PIER SCHEDULE**



ANCHOR BOLTS LAYOUT IS TO BE COORDINATED W/ METAL BUILDING MANUFACTURE PRIOR TO INSTALLATION OF ANCHOR BOLTS.  
ALL ANCHOR BOLTS TO HAVE A MINIMUM OF 9" EMBEDMENT.

REVISIONS			
NUMBER	DATE	BY	DESCRIPTION

Date: 11/05/04  
 Drawn By: KWH  
 Checked By: WPF  
 Project Mgr: WPF  
 Project No: 04097  
 Cad File: 04097S.dwg  
 Graphic Scale: 0 1"  
 Scale: 1" = 1'-0"

**GENERAL NOTES, SCHEDULES AND DETAIL**

BUILDING 7  
 1039 RIVERSIDE STREET  
 PORTLAND, MAINE

© COPYRIGHT 2004 ALLIED ENGINEERING, INC.

**allied engineering, inc.**  
 FULL SERVICE CONSULTING ENGINEERS  
 STRUCTURAL • MECHANICAL • ELECTRICAL • TECHNOLOGY  
 ENVIRONMENTAL SERVICES • CONSTRUCTION ADMINISTRATION  
 One Westbrook Common, Westbrook, Maine 04092-2804  
 Telephone No: 207-854-8126 • Fax No: 207-854-0603  
 E-Mail: info@allied-eng.com • www.allied-eng.com



**A1 GENERAL NOTES**

**A7 ANCHOR BOLT LAYOUT DETAILS.**

**S-000**