

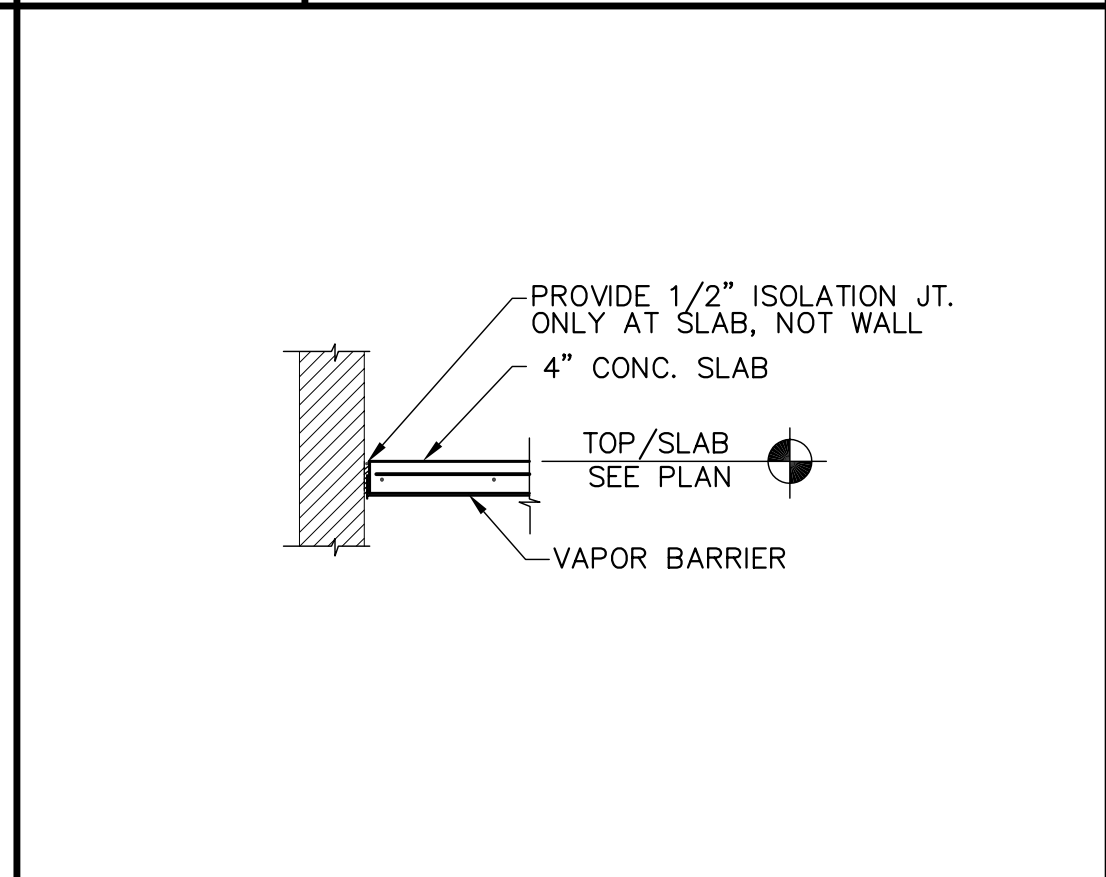
F1 SECTION 1/2" = 1'-0"
 F3 SECTION 1/2" = 1'-0"
 F5 SECTION @ CMU WALL 1/2" = 1'-0"
 F7 SECTION @ DOOR 1/2" = 1'-0"
 F9 SECTION 1/2" = 1'-0"

- ALL WORK SHALL BE DONE IN COMPLIANCE WITH THE IBC 2003.
 - 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.
 - ALL UTILITY CONNECTIONS SHALL BE IN ACCORDANCE WITH STATE AND LOCAL CODES OR AS INDICATED BY THE SPECIFICATIONS.
 - 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.
 - ALL 4" SLABS ON GRADE SHALL BE REINFORCED WITH #3 BARS AT 18" O.C. EACH WAY UNLESS OTHERWISE NOTED.
 - FLOOR SLAB CONTROL JOINTS SHALL BE PLACED AS SHOWN ON THE FOUNDATION PLAN OR AS DIRECTED BY THE ENGINEER. UNLESS OTHERWISE NOTED, CONTROL JOINTS WILL BE SPACED NOT TO EXCEED 12'-0" O.C. IN BOTH DIRECTIONS AND SHALL BE FILLED WITH SEALANT AT THE COMPLETION OF THE PROJECT. UNLESS OTHERWISE NOTED.
 - ALL FOOTINGS SHALL BEAR ON VIRGIN SOIL OR STRUCTURAL BACKFILL COMPACTED TO A UNIFORM 95% STANDARD DENSITY.
 - ALL MECHANICAL EQUIPMENT RESTING ON THE CONCRETE FLOOR SLAB WILL HAVE A 4" HIGH CONCRETE PAD UNDERNEATH, REINFORCED WITH #3 BARS AT 18" O.C. EACH WAY.
 - ADMIXTURES CONTAINING CALCIUM CHLORIDE SHALL NOT BE USED. CONCRETE SHALL NOT BE IN DIRECT CONTACT WITH ALUMINUM.
 - PROVIDE IN ALL SLABS ON GRADE (2) #4 BARS 4'-0" LONG AT EACH REENTRANT CORNER, BOTH SIDES OF DOOR OPENING AND TERMINATION OF CONTROL JOINTS.
 - REFER TO ACI 318 (LATEST EDITION) FOR MINIMUM CONCRETE COVER FOR REINFORCING STEEL.
 - UNLESS OTHERWISE NOTED, REINFORCING LAP SPLICES SHALL BE ACI CLASS B SPLICES USING THE FOLLOWING LAP LENGTHS:

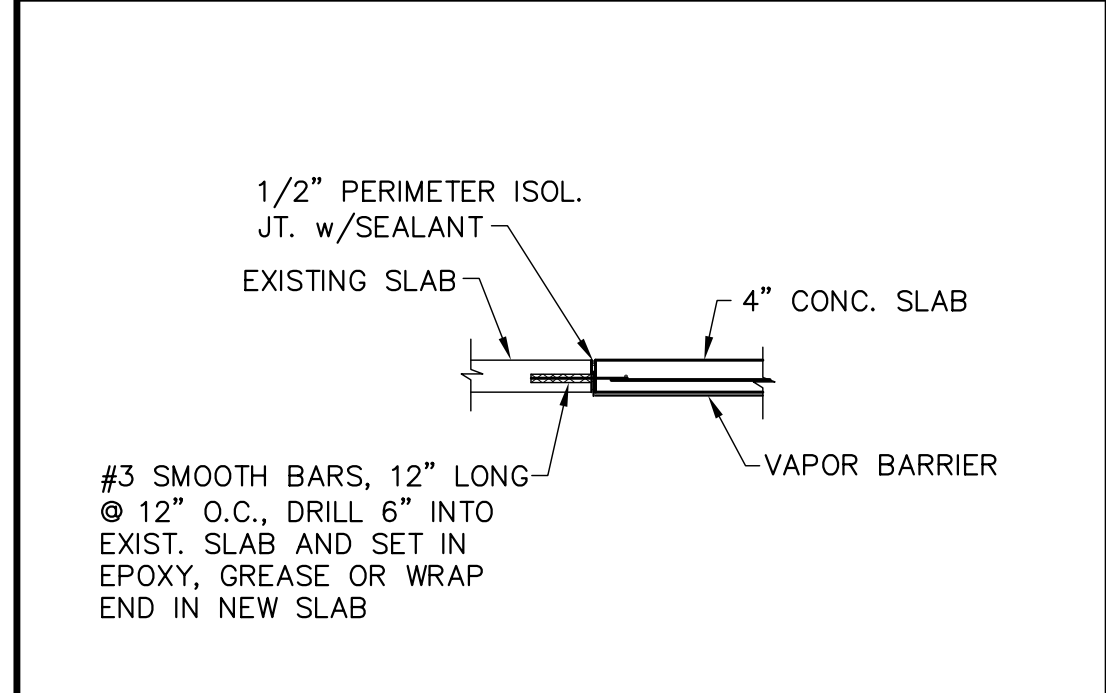
BAR SIZE	4	5	6
LAP (in.)	19	23	28
 - DRILLED-IN ANCHOR BOLTS OR REBAR DOWELS SHALL BE INSTALLED AS FOLLOWS:
 - LOCATE ANCHOR BOLTS OR DOWELS TO AVOID CUTTING EXISTING REBAR.
 - DEPTH IS BASED ON A CLEAN HOLE WITH ROUGH SIDES. ROTARY PERCUSSION EQUIPMENT AND COARSE ROCK CUTTING CHISELS ARE RECOMMENDED. DIAMOND CORE BITS SHOULD BE AVOIDED AS EMBEDMENT LENGTHS MAY NEED TO BE INCREASED. HOLE SIZE TO BE PER MANUFACTURER'S RECOMMENDATIONS.
 - CLEAN HOLES WITH COMPRESSED AIR OR VACUUM, REMOVE ANY FREE-STANDING WATER AND ALLOW HOLE TO DRY.
 - GROUT ANCHOR BOLTS OR DOWELS WITH HILTI HIT HY-20 OR HY-150 ADHESIVE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. (HILTI HEA ADHESIVE CAPSULE MAY BE SUBSTITUTED FOR THE HILTI HIT HY-20 OR HY-150 ADHESIVE.)
 - PROVIDE MASONRY LINTELS FOR ALL MASONRY WALL OPENINGS UNLESS INDICATED OTHERWISE ON DRAWINGS. PROVIDE MASONRY LINTELS OF SIZE AND REINFORCEMENT AS FOLLOWS:

A. OPENINGS UP TO 3'-11" (UNLESS OTHERWISE NOTED)	PROVIDE 8" HIGH C.M.U. LINTEL w/ (2) #4 BARS IN 8" WIDE UNITS (3) #4 BARS IN 12" WIDE UNITS
B. OPENINGS 4'-0" TO 8'-0" (UNLESS OTHERWISE NOTED)	PROVIDE 16" HIGH C.M.U. LINTEL w/ (2) #6 BARS IN 8" WIDE UNITS (3) #6 BARS IN 12" WIDE UNITS
 - ALL CONCRETE MASONRY AND BRICK LINTELS SHALL HAVE 12" (MIN) END BEARING UNLESS OTHERWISE NOTED.
 - ALL CONCRETE MASONRY BLOCK WALLS SHALL HAVE ALL CORES FILLED WITH 3000 PSI GROUT. INSTALLATION OF REINFORCEMENT SHALL BE CONTINUOUS. HORIZONTAL REINFORCEMENT SHALL BE PROVIDED @ 16" O.C. VERTICALLY.
 - HOLLOW CONCRETE BLOCK UNITS: GRADE N, 1900 PSI, MINIMUM COMPRESSIVE STRENGTH. WALL DESIGN STRENGTH. F'M = 1500 psi.
 - LAY UNITS IN RUNNING BOND/ CORNERS SHALL HAVE A STANDARD BOND BY OVERLAPPING UNITS.
 - MORTAR: TYPE S.
 - GROUT: SEE MASONRY DIV. 4 SPECIFICATIONS. ROD GROUT IMMEDIATELY AFTER POURING AND AGAIN APPROX. 5 MINUTES LATER.
 - MAXIMUM GROUT LIFT WITHOUT CLEANOUTS SHALL NOT EXCEED 4'-0" IN BLOCK WALLS.
 - PE TIES AS MANUFACTURED BY A.A. WIRE PRODUCTS COMPANY OR APPROVED EQUAL.
 - IN 8" WALLS PROVIDE VERTICAL REINFORCING IN CENTER OF GROUT, AT CENTER OF WALL, CONTINUOUS FULL HEIGHT OF WALL AS FOLLOWS: #5 BARS @ 16" AND DOWELS TO FOOTING @ 16" ON CENTER UNLESS NOTED OTHERWISE.

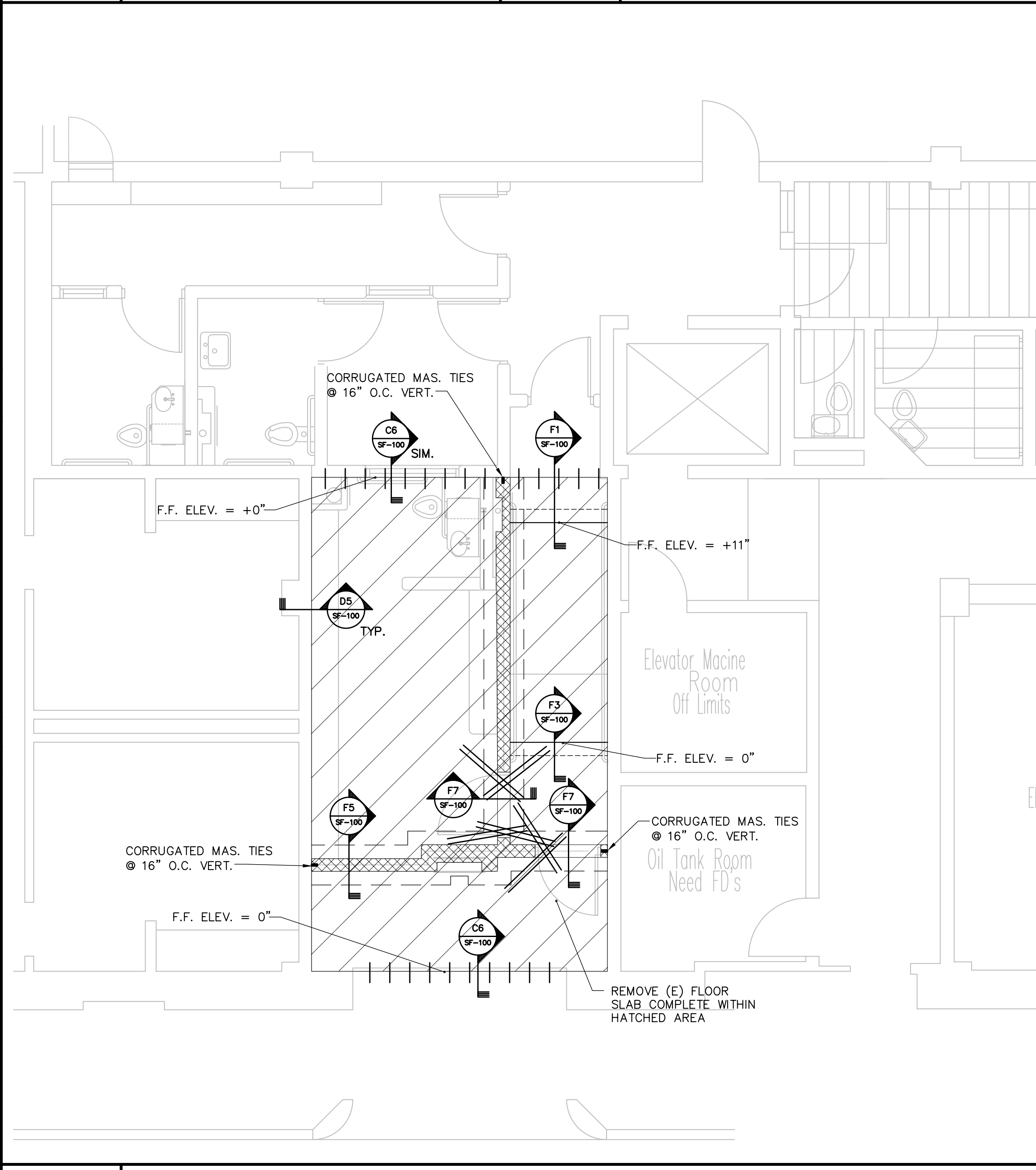
A. 1 #5 VERTICAL AT CORNERS, INTERSECTIONS, WALL ENDS, JAMBS AND EACH SIDE OF EXPANSION OR CONTROL JOINTS.
B. 1 #5 VERTICAL IN EACH CORE WITHIN 12 INCHES OF ALL WALL CORNERS.
C. BOND BEAMS TO RECEIVE 2 #5 CONTINUOUS IN 3000 PSI GROUT.
- ALL MASC.



D5 SECTION @ EXISTING WALL 1/2" = 1'-0"



C6 DETAIL 1/2" = 1'-0"



A7 SLAB PLAN 1/4" = 1'-0"

A1 NOTES

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REVISIONS	DATE	BY	DESCRIPTION

Scale: As Noted
 Date: 10-04-2005
 Drawn By: KWH
 Checked By: WFF
 Project Mgr: WFF
 Project No: 04084
 Cad File: 04084SDWG
 Print Scale: 1" = 1'-0"

FLOOR SLAB PLAN, DETAILS AND NOTES
 DETENTION AREA RENOVATIONS
 CUMBERLAND COUNTY COURTHOUSE
 PORTLAND, MAINE

SF-100