CLASS B LAP SPLICE TABLE (INCHES)

BAR SIZE	f'c	3,000 PSI	4,000 PSI	5,000 PSI
#3	TOP BARS	28	25	22
	BOT BARS	22	19	17
#4	TOP BARS	38	33	29
	BOT BARS	29	25	23
#5	TOP BARS	47	40	36
	BOT BARS	36	31	28
#6	TOP BARS	56	49	43
	BOT BARS	43	37	34
#7	TOP BARS	81	71	63
	BOT BARS	63	54	49
#8	TOP BARS	93	81	72
	BOT BARS	73	62	56
#9	TOP BARS	105	91	81
	BOT BARS	81	70	63
#10	TOP BARS	118	102	92
	BOT BARS	91	79	71

NOTES:
1. TOP BARS ARE HORIZONTAL REINFORCEMENT PLACED SO THAT MORE THAN 12" OF CONCRETE IS CAST BELOW THE REINFORCEMENT.
2. CLASS B LAP SPLICES ARE PER ACI 318-05.

CONCRETE COVER FOR CAST-IN-PLACE NON-PRESTRESSED CONCRETE FOR BUILDINGS

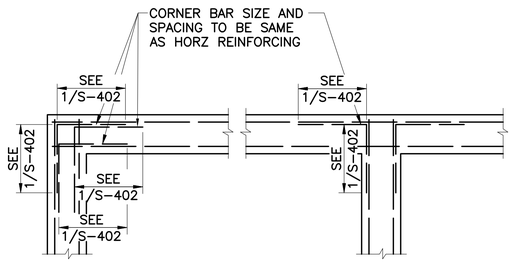
DESCRIPTION		SINGLE LAYER	TWO LAYERS TOP	TWO LAYERS BOTTOM	REMARKS
SLABS	ON GRADE	1 1/2" FROM TOP	1 1/2"	3"	
	OF RIBBED MATS SUPPORTED	2" FROM BOT. (1)	1"	(1) 1 1/2"	(1) 3" IF CAST ON EARTH
	ON CARTON FORMS	2" FROM BOT.	1"	(1) 1 1/2"	
	ON CONCRETE	CENTERED			
	ON METAL DECK	1 1/2"			
WALLS	INTERIOR FACES	CENTERED		2"	
	EXTERIOR FACES	CENTERED		2"	

DESCRIPTION		SIDE	TOP	BOTTOM	REMARKS
BEAMS	FORMED GRADE BEAMS	(1) 2"	1 1/2"	(1) 2"	
	IN RIBBED MATS	3"	1 1/2"	3"	
	ABOVE GRADE	2"	2"	2"	
OTHER	JOISTS	3/4"	3/4"	3/4"	
	SPOT FOOTINGS	3"	2"	3"	
	DRILLED PIERS	3"	---	---	
	COLUMNS AND PLINTHS	(2) 1 1/2"	---	---	(2) 2" FOR #6 AND LARGER WHEN EXPOSED TO WEATHER

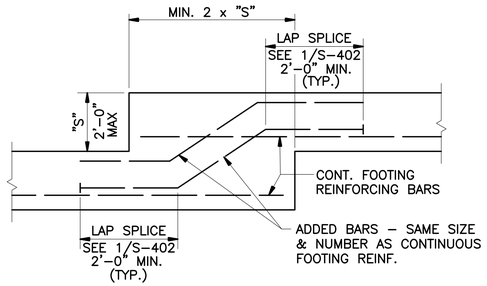
NOTE:
UNLESS OTHERWISE NOTED ON DRAWINGS, CONCRETE COVER OVER PRIMARY REINFORCEMENT, TIES, STIRRUPS AND SPIRALS SHALL COMPLY WITH LISTED VALUES. COVER SHALL COMPLY WITH REQUIREMENTS OF ACI 318 FOR ELEMENTS NOT DESCRIBED.

1 S-402 LAP SPLICE TABLE
SCALE: NONE

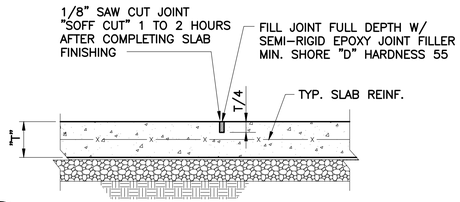
2 S-402 CONCRETE COVER TABLE
SCALE: NONE



NOTE: DETAIL APPLIES TO GRADE BEAMS & TURNDOWNS.

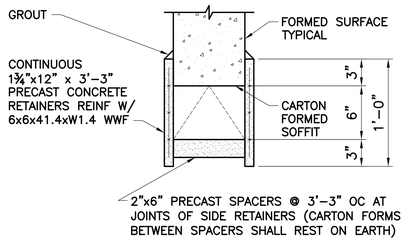


3 S-402 TYP. REINF. BARS AT WALL AND FOUNDATION CORNERS & INTERSECTIONS
SCALE: N.T.S.



5 S-402 TYPICAL CRACK CONTROL JOINT (CCJ)
SCALE: N.T.S.

4 S-402 TYP. STEP FOOTING DETAIL
SCALE: N.T.S.



6 S-402 TYPICAL GRADE BEAM VOID
SCALE: N.T.S.

LITTLE ROCK A.F.B.
ARKANSAS

GARVER
1010 Battery St.
Little Rock, AR
72202
501-376-3633
www.GarverUSA.com

CROMWELL
ARCHITECTS ENGINEERS
101 SOUTH SPRING ST
LITTLE ROCK AR 72201
TELEPHONE 501-372-2900
FACSIMILE 501-372-0482

CERTIFICATE OF AUTHORIZATION GARVER LLC No. 766 ARKANSAS ENGINEER

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No.13636 JASON C. JOHNSTON

No.	Revision/Issue	Date	BY	APP'D

PROJECT TITLE
REPAIR & RENOVATE MED. CLINIC PH IV A
LITTLE ROCK AIR FORCE BASE
JACKSONVILLE, ARKANSAS

SHEET TITLE
MISCELLANEOUS CONCRETE DETAILS

DRAWN BY: SLB	LEAD DESIGNER: JCJ
TECH REVIEWER: JTW	PROJECT NUMBER: NKAK 06-8006 4A
DESIGNED BY: JCJ	SHEET: S-402
DATE: 13 MAY 2009	25 OF 51
SCALE: AS SHOWN	

jcjohnston LRAFB_S402_CONC DET.dwg L:\2007\07056004 LRAFB Repair Renovate Medical Clinic Phase 4A\Drawings\ 07056004 24x36 1=1 5/12/09 9:12 am
Images: [none]
Xrefs: [S:\COMPANY WIDE\Cadd Standards\STAMPS\, JCF_AR, ECF_AR, jcj_or, GARVER_LLC_AR_766] [.\REF\, 02- borderns1]