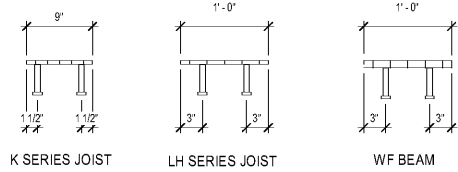


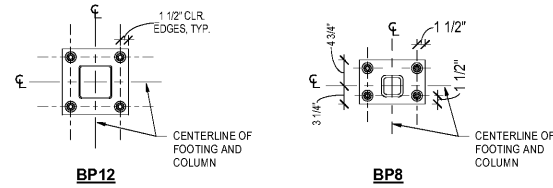
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WALL FOOTING SCHEDULE				
MARK	WIDTH	THICKNESS	BOTTOM REINFORCEMENT	TOP REINFORCEMENT
WF20	2'-0"	1'-0"	3 #5	3 #5

STEEL BEAM AND BAR JOIST BEARING PLATE SCHEDULE			
MEMBER	BEARING PLATE	THICKNESS	NUMBER OF HEADED STUDS X 5" LONG
WF BEAM	7" x 12"	3/4" THICK	(2) - 3/4" DIAM
LH SERIES JOIST	6" x 12"	5/8" THICK	(2) - 5/8" DIAM
K SERIES JOIST	5" x 9"	5/8" THICK	(2) - 5/8" DIAM



BASE PLATE SCHEDULE (36 KSI)								
MARK	WIDTH	LENGTH	THICKNESS	ANCHOR BOLTS	ANCHOR LENGTH	EMBEDMENT	COUNT	
BP8	8"	12"	3/4"	BOLT: 3/4"Ø	1'-2"	0'-9"	4	
BP12	12"	12"	3/4"	BOLT: 3/4"Ø	1'-2"	0'-9"	1	



1 Baseplate Types
0.S601 3/4" = 1'-0"

SLAB AND DECK SCHEDULE	
MARK	DESCRIPTION
12' 1-WAY	12" CONCRETE ONE WAY SLAB REINF. W/ #5 @ 12" T/B & #5 @ 10" TEMP. SEE FILE & GRADE BEAM LAYOUT FOR REINF. DIAGRAM
12' SDG	12" CONCRETE SLAB ON GRADE REINF. W/ #5 @ 12" T/B EA. WAY
SLAB-2	CAST IN PLACE CONCRETE TOPPING SLAB - 2" MAX. THICKNESS. REINF. W/ #6@W2.9xW2.9 WWF PLACED IN SHEETS W/ MIN 6" LAP.
SLAB-4	4" CONCRETE SLAB ON GRADE W/ WWF#6-W1.4W1.4 - SEE PLAN FOR FINISH
SLAB-6	6" CONCRETE ONE WAY SLAB REINF. W/ #5 @ 12" O.C. TOP & BOTT. AND #4 @ 18" O.C. TEMP.
SLAB-16	16" FOUNDATION SLAB ON GRADE W/ #4 @ 12" O.C. EA. WAY TOP & BOTT.

MINIMUM REINFORCED CONCRETE STRENGTHS		
f'c AT 28 DAYS (U.N.O. ON SCHEDULE)		
LOCATION	DENSITY	STRENGTH
SLAB SUPPORTED ON GRADE	145 P.C.F.	4000 PSI
FOOTINGS SUPPORTING WOOD, MASONRY AND STRUCTURAL	145 P.C.F.	3000 PSI
CONCRETE BEAMS SUPPORTING STEEL OR MASONRY COLUMNS	145 P.C.F.	3000 PSI
STAIR TREADS AND LANDINGS	145 P.C.F.	3000 PSI
FOUNDATION AND RETAINING WALLS	145 P.C.F.	4000 PSI
NON-SHRINK GROUT AT STEEL COLUMN BASEPLATES	145 P.C.F.	5000 PSI
PRECAST CONCRETE PILES	145 P.C.F.	5000 PSI (SEE SPECIFICATIONS)
GRADE BEAMS OR TIE STRAPS	145 P.C.F.	4000 PSI

MIN. LAP SPLICE LENGTH SCHEDULE										
BAR TYPE	3000 PSI CONC.									
	#3	#4	#5	#6	#7	#8	#9	#10	#11	
TOP BARS	29"	38"	47"	56"	82"	94"	105"	118"	131"	
OTHER BARS	22"	29"	36"	43"	62"	72"	81"	91"	101"	
BAR TYPE	4000 PSI CONC.									
	#3	#4	#5	#6	#7	#8	#9	#10	#11	
TOP BARS	25"	33"	40"	48"	70"	81"	91"	103"	113"	
OTHER BARS	20"	25"	31"	38"	55"	62"	70"	79"	87"	

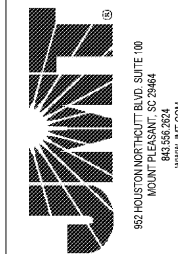
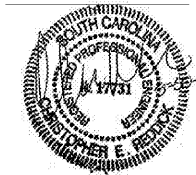
MASONRY LINTEL SCHEDULE		
8" CMU LINTEL		
SPAN	SIZE	REINFORCEMENT
0 to 4'-0"	8" x 8"	2 #5 BOTT.
4'-1" to 8'-0"	8" x 16"	2 #5 BOTT.
8'-1" to 10'-0"	8" x 24"	2 #5 BOTT. & 2 #4 TOP
10'-1" to 12'-0"	8" x 32"	2 #6 BOTT. & 2 #5 TOP
12'-1" to 14'-0"	8" x 40"	2 #6 BOTT. & 2 #5 TOP
12" CMU LINTEL		
SPAN	SIZE	REINFORCEMENT
0 to 4'-0"	12" x 8"	2 #5 BOTT.
4'-1" to 8'-0"	12" x 16"	2 #5 BOTT. & 2 #5 TOP
8'-1" to 10'-0"	12" x 24"	2 #5 BOTT. & 2 #5 TOP
10'-1" to 12'-0"	12" x 32"	2 #6 BOTT. & 2 #5 TOP
12'-1" to 15'-4"	(12" x 48")	2 #8 BOTT. & 2 #5 TOP

NOTE:
1. LINTEL SIZE IN PARENTHESIS SHALL HAVE #3 DOUBLE TIES VERTICAL AT 8" O.C.
2. BEAR LINTELS MINIMUM OF 8" AT THE END OF OPENING.

EXTERIOR SCHEDULE OF METAL STUD SIZES		
115 MPH, EXPOSURE C, Fy = 33 ksi		
WALL HEIGHT	6" STUD	8" STUD
WIND ZONE 4	L/360	L/360
Up to 11'-0"	600S 162-43 @ 16" o/c	800S 162-43 @ 16" o/c
Over 11'-0" to 12'-6"	600S 162-43 @ 16" o/c	800S 162-54 @ 16" o/c
Over 12'-6" to 15'-6"	600S 162-68 @ 16" o/c	800S 162-54 @ 16" o/c
Over 15'-6" to 16'-6"	600S 162-97 @ 16" o/c	800S 162-54 @ 16" o/c
Over 16'-6" to 20'-0"	600S 200-97 @ 12" o/c	800S 162-68 @ 16" o/c
Over 20'-0" to 21'-0"	600S 250-97 @ 12" o/c	800S 162-97 @ 16" o/c
WIND ZONE 5	L/360	L/360
Up to 11'-0"	600S 162-43 @ 16" o/c	800S 162-54 @ 16" o/c
Over 11'-0" to 12'-6"	600S 162-54 @ 16" o/c	800S 162-54 @ 16" o/c
Over 12'-6" to 15'-6"	600S 162-97 @ 16" o/c	800S 162-54 @ 16" o/c
Over 15'-6" to 16'-6"	600S 162-97 @ 16" o/c	800S 162-54 @ 16" o/c
Over 16'-6" to 20'-0"	600S 200-97 @ 12" o/c	800S 162-97 @ 16" o/c
Over 20'-0" to 21'-0"	600S 250-97 @ 16" o/c	800S 162-97 @ 16" o/c

NOTES:
1. WHERE EXTERIOR FINISH IS EXTERIOR FINISHES, EFIS OR METAL PANEL USE DEFLECTION LIMITATION OF L/240.
2. WHERE EXTERIOR FINISH IS MASONRY OR BRICK USE DEFLECTION LIMITATION OF L/360.

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CITADEL THE MILITARY COLLEGE OF SOUTH CAROLINA

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SCHEDULES

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