BEAM SCHEDULE

MARK: ROOF	2ND FL	1ST FL	GR.FL.	SIZE: b	TD.	b.	STRAIGHT STEEL: NO.	SIZE	DETAILS	BENT STEEL: NO.	SIZE	DETAILS	TOP STEEL: NO.	SIZE	DETAILS	STIRRUPS: NO.	SIZE	TYPE	LEFT END	CENTER	RIGHT END	REMARKS
B300				12	18		3	1 ⅝								23	3/8 ϕ		1/3 ⅙ ⅙ 1/12	15"	1/12 ⅙ ⅙ 1/3	2 LAYERS
B301				12	18		3	1 ⅝								23	3/8 ϕ			DO.		DO.
B302				12	18		2	1 ⅝		2	1 ⅝					23	3/8 ϕ			DO.		
B303				12	24		8	1 ⅝					2	1 ⅝		15	3/8 ϕ		4/9	12"	4/9	2 LAYERS
B304				8	18		1	1 ⅝		1	1 ⅝					13	3/8 ϕ		1/3 ⅙ ⅙ 1/12	18"	1/12 ⅙ ⅙ 1/3	EXTEND BT. BAR ACROSS B302
B305				12	24		6	7/8 ϕ					2	1 ⅝		12	3/8 ϕ		4/9	12"	12	2 LAYERS
B306				8	18		2	7/8 ϕ					2	1/8 ϕ		21	3/8 ϕ			12"		FROM Y24 TO Y29
B307				8	18		2	7/8 ϕ					2	1/8 ϕ		21	3/8 ϕ			12"		DO.
B308				12	24		4	7/8 ϕ					2	1 ⅝		10	3/8 ϕ			12"		
B308A				8	18		2	7/8 ϕ					2	7/8 ϕ		10	3/8 ϕ			12"		
B309				8	18		2	3/4 ϕ					2	3/4 ϕ		10	3/8 ϕ			12"		
B309A				8	18					STEEL EXTENDED FROM B 308A						10	3/8 ϕ			12"		
B320				8	18		1	7/8 ϕ	3-0	3-0	1	7/8 ϕ				16	3/8 ϕ		1/3 ⅙ ⅙ 1/12	18"	1/12 ⅙ ⅙ 1/3	
B321				8	18		1	7/8 ϕ		3-0	1	1 ⅝		1	3/4 ϕ	16	3/8 ϕ			DO.		
B322				8	18		1	7/8 ϕ	3-0		1	7/8 ϕ		1	3/4 ϕ	16	3/8 ϕ			DO.		
B323				8	18		1	1 ⅝		3-0	1	1 ⅝		1	7/8 ϕ	18	3/8 ϕ		1/3 ⅙ ⅙ 1/12	18"	1/12 ⅙ ⅙ 1/3	
B324				8	18		1	3/4 ϕ			1	3/4 ϕ				12	3/8 ϕ		1/3 ⅙ ⅙ 1/12	18"	1/12 ⅙ ⅙ 1/3	
B325				8	18		1	3/4 ϕ			1	3/4 ϕ				12	3/8 ϕ			DO.		
B326				8	18		1	1 ⅝			1	1 ⅝				14	3/8 ϕ			12"		
B327				8	18		1	1 1/8 ⅝			1	1/8 ⅝		1	3/4 ϕ	18	3/8 ϕ		2/3 4/9	18"	1/12 ⅙ ⅙ 1/3	
B328				8	18		1	3/4 ϕ			1	7/8 ϕ				16	3/8 ϕ		1/3 ⅙ ⅙ 1/12	18"	1/12 ⅙ ⅙ 1/3	
B329				8	18		1	7/8 ϕ			1	7/8 ϕ		1	7/8 ϕ	16	3/8 ϕ			DO.		
B330				8	18		2	3/4 ϕ					2	3/4 ϕ		7	3/8 ϕ			12"		
B331				8	18		2	3/4 ϕ					2	3/4 ϕ		10	3/8 ϕ			12"		
B332				12	6		3	1/2 ϕ														
B333				12	6		3	1/2 ϕ														
B334				8	18		1	1 ⅝		3-0	1	1 ⅝		1	7/8 ϕ	20	3/8 ϕ		1/3 ⅙ ⅙ 1/12	18"	1/12 2/9 2/3 ⅙	
B335				8	18		1	1 ⅝		3-0	1	1 ⅝		1	1 ⅝	21	3/8 ϕ		⅙ 2/3 2/9	18"	1/12 2/9 2/3 ⅙	
B336				8	18		1	7/8 ϕ		3-0	1	1 ⅝		1	7/8 ϕ	18	3/8 ϕ		1/3 ⅙ ⅙ 1/12	18"	1/12 ⅙ ⅙ 1/3	
B337				8	18		1	3/4 ϕ			1	3/4 ϕ				9	3/8 ϕ			18"		
B338				8	18		1	3/4 ϕ			1	3/4 ϕ				9	3/8 ϕ			18"		
B339				SEE			3	7/8 ϕ			3	7/8 ϕ				14	1/2 ϕ			12"		2 1/2 ϕ E.F. LG.
B340				SECTION 304			3	7/8 ϕ			3	7/8 ϕ				14	1/2 ϕ			12"		DO.
B341				8	14		1	7/8 ϕ			1	7/8 ϕ				8	3/8 ϕ			18"		
B342				8	14		1	1 ⅝			1	1 ⅝				10	3/8 ϕ		1/3 ⅙	18"	⅙ 1/3	
B343				8	14		1	1 ⅝			1	1 ⅝				11	3/8 ϕ		1/3 ⅙ ⅙	18"	⅙ ⅙ 1/3	
B344				12	8		2	1/2 ϕ			2	1/2 ϕ										
B345				12	8		2	5/8 ϕ			2	1/2 ϕ										
B346				8	14		1	7/8 ϕ			1	7/8 ϕ	REF.			10	3/8 ϕ		⅙ 1/12	18"	1/12 ⅙ 1/3	
B348				8	18		1	1 ⅝			1	1 ⅝				14	3/8 ϕ		⅙ ⅙ 1/12	18"	1/12 ⅙ ⅙	
B349				8	18		1	7/8 ϕ			1	7/8 ϕ				10	3/8 ϕ			18"		
B350				8	18		2	3/4 ϕ					2	3/4 ϕ		7	3/8 ϕ			12"		
B351				8	18		2	3/4 ϕ					2	3/4 ϕ		9	3/8 ϕ			12"		
B352				8	18		1	7/8 ϕ		3-0	1	7/8 ϕ		1	3/4 ϕ	16	3/8 ϕ		1/3 ⅙ ⅙ 1/12	18"	1/12 ⅙ ⅙ 1/3	
B353				8	18		1	3/4 ϕ	3-0		1	3/4 ϕ	2x1	7/8 ϕ		10	3/8 ϕ			18"		
B354				8	18		1	7/8 ϕ		3-0	1	1 ⅝		1	3/4 ϕ	16	3/8 ϕ		1/3 ⅙ ⅙ 1/12	18"	1/12 ⅙ ⅙ 1/3	
B355				8	18		1	3/4 ϕ	3-0		1	3/4 ϕ	2x1	3/4 ϕ		10	3/8 ϕ			18"		
B356				8	18		1	3/4 ϕ			1	3/4 ϕ				13	3/8 ϕ			DO.		
B357				8	18		1	3/4 ϕ			1	3/4 ϕ				10	3/8 ϕ			DO.		
B358				8	18		1	7/8 ϕ		3-0	1	1 ⅝		1	7/8 ϕ	16	3/8 ϕ		1/3 ⅙ ⅙ 1/12	18"	1/12 ⅙ ⅙ 1/3	
B359				8	18		1	7/8 ϕ	3-0	3-0	1	7/8 ϕ		1	7/8 ϕ	16	3/8 ϕ			DO.		
B360				8	18		1	7/8 ϕ	3-0	3-0	1	1 ⅝		1	7/8 ϕ	16	3/8 ϕ			DO.		
B361				8	18		1	3/4 ϕ	3-0		1	7/8 ϕ				14	3/8 ϕ			DO.		
B362				8	18		1	3/4 ϕ			1	3/4 ϕ				16	3/8 ϕ			DO.		
B363				8	18		1	3/4 ϕ			1	3/4 ϕ				16	3/8 ϕ			DO.		
B364				8	18		1	3/4 ϕ			1	3/4 ϕ				16	3/8 ϕ			DO.		
B365				8	18		1	3/4 ϕ			1	3/4 ϕ				14	3/8 ϕ			DO.		
B366				12	18		2	7/8 ϕ		4-0	1	1 1/4 ⅝		1	1 ⅝	27	3/8 ϕ		1/3 2/3 ⅙ 1/12	18"	1/12 ⅙ 2/9 2/3	
B367				12	18		2	7/8 ϕ	4-0	4-0	1	1 1/4 ⅝		1	1 ⅝	30	3/8 ϕ		2/3 2/9 ⅙ 1/12	18"	1/12 ⅙ 2/9 2/3	
B368				12	18		2	1 ⅝	4-0	3-0	1	1 1/4 ⅝		1	1 1/8 ⅝	30	3/8 ϕ		2/3 2/9 ⅙ 1/12	18"	1/12 ⅙ 2/9 2/3	
B369				12	18		2	7/8 ϕ	3-0		1	1 ⅝				22	3/8 ϕ		1/3 2/9 ⅙ 1/12	18"	1/12 ⅙ 2/9 1/3	
B370							2	1 ⅝			2	1 ⅝				19	1/2 ϕ			12"		3 1/2 LG. EA. F.
B371				SEE			2	1 ⅝			2	1 ⅝				20	1/2 ϕ			12"		DO.
B372				SECTION 302			2	1 ⅝			2	1 ⅝				20	1/2 ϕ			12"		DO.
B373							2	1 ⅝			2	1 ⅝				16	1/2 ϕ			12"		DO.
B374				10	18		1	1 ⅝		3-0	1	1 ⅝		1	1 ⅝	17	3/8 ϕ		1/3 ⅙ ⅙ 1/12	18"	1/12 2/9 2/3 ⅙	
B375				10	18		1	1 ⅝	3-0		1	1 ⅝	REF.			18	3/8 ϕ		1/3 2/3 2/9 1/12	18"	1/12 ⅙ ⅙ 1/3	
B376				10	18		2	7/8 ϕ								8	3/8 ϕ			12"		
B377				10	18		2	7/8 ϕ					2	7/8 ϕ		14	3/8 ϕ			12"		
B378				8	18		1	1 1/8 ⅝			1	1 1/8 ⅝				16	3/8 ϕ		1/3 ⅙ ⅙ 1/12	18"	1/12 ⅙ ⅙ 1/3	
B379				8	18		1	1 1/8 ⅝			1	1 ⅝				16	3/8 ϕ			DO.		
B380				12	8		2	5/8 ϕ			2	1/2 ϕ										
B381				12	8		2	7/8 ϕ			2	3/4 ϕ				11	3/8 ϕ		1/3 ⅙ ⅙ 1/3			
B382				12	12		2	7/8 ϕ			2	3/4 ϕ				16	3/8 ϕ		1/3 ⅙ ⅙	12"	⅙ ⅙ 1/3	
B383				8	16		2	7/8 ϕ					2	1/2 ϕ		10	3/8 ϕ			12"		PROVIDE KEYS FOR STAIR SLABS
B384				8	16		2	3/4 ϕ					2	1/2 ϕ		10	3/8 ϕ			12"		
B385				8	18		1	7/8 ϕ		3-0	1	1 ⅝		1	5/8 ϕ	14	3/8 ϕ		1/3 ⅙ ⅙ 1/12	18"	1/12 2/3 2/9 1/3	
B386				8	18		1	3/4 ϕ	3-0		1	7/8 ϕ				13	3/8 ϕ		1/3 2/9 2/9 1/12	18"	1/12 ⅙ ⅙ 1/3	
B387				12	8		2	7/8 ϕ			2	7/8 ϕ				14	3/8 ϕ		1/3 2/9 ⅙	12"	⅙ 1/3 1/3	
B388				8	18		2	3/4 ϕ					2	5/8 ϕ		5	3/8 ϕ			12"		
B389				8	18		2	3/4 ϕ					2	3/4 ϕ		9	3/8 ϕ			12"		
B390				12	12		1	7/8 ϕ			1	3/4 ϕ										
B391				8	18		2	3/4 ϕ					2	3/4 ϕ		10	3/8 ϕ			12"		
B392				8	12		2	3/4 ϕ					2	3/4 ϕ		10	3/8 ϕ			12"		
B393				8	18		2	3/4 ϕ					2	3/4 ϕ		10	3/8 ϕ			12"		
B394				8	18		2	3/4 ϕ					2	3/4 ϕ		10	3/8 ϕ			12"		
B395				10	18		2	1 ⅝			1	1 1/8 ⅝				17	3/8 ϕ		1/3 ⅙ ⅙ 1/12	18"	1/12 ⅙ ⅙ 1/3	
B396				10	18		2	7/8 ϕ			1	1 1/8 ⅝		2	1 ⅝	15	3/8 ϕ			DO.		TOP STEEL EXTENDS INTO CANOPY
B396A				10	18		2	1 ⅝			1	1 1/8 ⅝		2	7/8 ϕ	15	3/8 ϕ			DO.		DO.
B397				12	24		3	1 ⅝					3	1 ⅝		13	1/2 ϕ			12"		
B399				8	12		1	1 ⅝			1	1 ⅝										
B310				8	18		2	1 1/8 ⅝					2	5/8 ϕ		10	5/8 ϕ			12"		
G300				12	18		2	3/4 ϕ		4-0			2	1 ⅝		10	5/8 ϕ		12" o.c.	12"	⅙ ⅙ 1/3	
G301				12	18		2	1 ⅝	4-0	3-0	2	1 ⅝		2	1 ⅝	57	5/8 ϕ		24/9	12"	24/9	2 LAYERS
G302				12	18		2	1 ⅝	4-0		1	1 ⅝				22	3/8 ϕ		12/5		12 o.c.	
G303				12	18		2	3/4 ϕ					2	3/4 ϕ		9	3/8 ϕ			12"		
G304				12	18		2	1 ⅝		4-0	2	1 ⅝		1	1 ⅝	27	3/8 ϕ		12" o.c.		18/9	
G305				12	18		2	1/8 ⅝	4-0		2	1/8 ⅝				50	3/8 ϕ		25/3	12"	18/9	2 LAYERS
G310				12	24		3	1 ⅝			3	1 ⅝				35	3/8 ϕ		14/3	12"	14/3	2 LAYERS
G311				12	24		3	1 ⅝			2	1 ⅝				21	3/8 ϕ			12"		2 LAYERS
G312				12	24		3	1 ⅝			2	1 ⅝				24	3/8 ϕ		8/7	12"	8/3	2 LAYERS
G313				8	18		1	1 1/8 ⅝			1	1 1/8 ⅝				22	3/8 ϕ		1/3 ⅙ ⅙	12"	⅙ ⅙ 1/3	
G314				SEE SECTION 305			3	1 ⅝			3	1 ⅝		2	1 ⅝	31	1/2 ϕ			12"		
G315				12	23		3	7/8 ϕ					3	7/8 ϕ		12	3/8 ϕ		12" o.c.		5/4 o.c.	
G316				12	24		3	1 1/8 ⅝			3	1 ⅝				50	3/8 ϕ		25/3	12"	25/3	2 LAYERS
G317				8	24		1	1 1/4 ⅝			1	1 1/4 ⅝	REF.			31	3/8 ϕ		25/10	12"	16/5	
G318				8	24		2	3/4 ϕ								8	3/8 ϕ			12"		
G319				SEE SECTION 304			3	7/8 ϕ					3	7/8 ϕ		18	1/2 ϕ			12"		2 1/2 ϕ E.F. LG.
G320				12	24		2	1 ⅝			2	1 ⅝				23	3/8 ϕ			12"		
G321				8	18		1	7/8 ϕ			1	7/8 ϕ		1	3/4 ϕ	15	3/8 ϕ			12"		
G322				8	18		1	7/8 ϕ			1	7/8 ϕ		1	3/4 ϕ	15	3/8 ϕ			12"		
G323				8	18		1	1 ⅝			1	1 ⅝		1	3/4 ϕ	16	3/8 ϕ			12"		
G324				8	18		1	1 ⅝			1	7/8 ϕ		1	7/8 ϕ	16	3/8 ϕ		2/3	12"		
G325				8	18		1	3/4 ϕ			1	3/4 ϕ				10	3/8 ϕ			12"		
G326				8	18		1	1 ⅝			1	1 ⅝				10	3/8 ϕ			12"		
G327				8	18		1	3/4 ϕ			1	3/4 ϕ				10	3/8 ϕ			12"		
G328				12	18		2	7/8 ϕ					2	3/4 ϕ		24	3/8 ϕ		12" o.c.	12"	2/3 2/3	2 IN CANTILEVER
G329				12	24		2	1 1/8 ⅝			2	1 1/8 ⅝				29	3/8 ϕ		11/7	12"	11/7	2 LAYERS
G330				8	18		1	3/4 ϕ			1	7/8 ϕ		1	3/4 ϕ	15	3/8 ϕ			12"		1 7/8 TOP AT COL. x 5
G331				8	18		1	7/8 ϕ			1	7/8 ϕ				16	3/8 ϕ			DO.		
G332				8	18		1	3/4 ϕ			1	7/8 ϕ		1	3/4 ϕ	15	3/8 ϕ			DO.		
G333				12	24		3	1 ⅝			2	1 1/8 ⅝				38	3/8 ϕ		16/9	12"	16/9	2 LAYERS
G334				12	18		1	1 ⅝	3-0		1	1 ⅝				18	3/8 ϕ		11/6		12 o.c.	
G335				12	18		2	7/8 ϕ		3-0	2	7/8 ϕ		1	1 ⅝	22	3/8 ϕ		12" o.c.		11/6	
G336				12	18		2	7/8 ϕ								9	3/8 ϕ			12"		
G337				12	24		3	1 ⅝			3	1 ⅝				28	3/8 ϕ		8/9	12"	8/3	2 LAYERS
G338				12	24		2	1 ⅝			2	1 ⅝				19	3/8 ϕ			12"		
G339				12	18		2	1 ⅝			2	1 ⅝				20	3/8 ϕ		12"	12"	8/9	
G340				8	18		1	1 ⅝					1	7/8 ϕ		11	3/8 ϕ			12"		
G341				14	28		3	1 1/8 ⅝		5-0	3	1 ⅝	1	1 1/4 ⅝	5-0 5-0	33/16	3/8 ϕ		16/9 2/3		2/3 2/3	
G342				14	28		4	7/8 ϕ	5-0				2	1 1/8 ⅝	5-0 5-0	25	3/8 ϕ		2/3 2/9 2/9	12"	12" o.c.	

ALL DIMENSIONS AND EXISTING CONDITIONS TO BE VERIFIED BEFORE ORDERING MATERIAL

BEAM SCHEDULE

MARK: ROOF	2ND FL	1ST FL	GR.FL.	SIZE: b	TD.	b	STRAIGHT STEEL: NO.	SIZE	DETAILS	BENT STEEL: NO.	SIZE	DETAILS	TOP STEEL: NO.	SIZE	DETAILS	STIRRUPS: NO.	SIZE	TYPE	LEFT END	CENTER	RIGHT END	REMARKS
G343				12	24		2	1 ⅝			2	1 ⅝				19	3/8			12"		
G344				SEE		301	5	1 ⅝			5	1 ⅝	4	1 ⅝		39	1/2 ϕ			12"		2 7/8 EA. FACE
G345				SECTION		300	5	1 ⅝					5	1 ⅝		10	1/2 ϕ			12"		1 7/8 EA. FACE
G350				12	20		1	1 ⅝			1	1 ⅝				15	3/8		12	12"	8/10	
G351				12	20		1	1 ⅝			1	1 ⅝				12				12"		
G352				12	20		2	7/8 ϕ					2	7/8 ϕ		8				12"		
G353				12	20		2	7/8 ϕ			2	1 ⅝				29			7/4	12"	16/9	
G354				12	20								2	1 ⅝		12			6/9	12"	12	
G355				12	20		2	7/8 ϕ					2	7/8		8				12"		
G356				12	20								2	7/8		6				12"		
G357				12	20		2	1 ⅝			2	1 ⅝				18	3/8			12"		
G358				8	18		2	1 ⅝			2	1 ⅝				25	3/8 ϕ		9/8	12"	7/8	2 LAYERS
G359				8	18		2	1 1/8 ⅝			2	1 ⅝				25	3/8 ϕ		13/5	18"	8/12 9/9 2/3	2 LAYERS
B200	B100			8	16		2	7/8 ϕ					2	1/2 ϕ		10	3/8 ϕ			12"		PROVIDE KEYS FOR STAIR SLABS
B201	B101			8	18		1	1 ⅝		3-0	1	1 ⅝		1	7/8 ϕ	19			1/3 ⅙ ⅙ 1/12	18"	1/12 2/9 2/3 ⅙	
B202	B102						1	1 ⅝	3-0	3-0	1	1 ⅝		1	3/4 ϕ	18					1/12 ⅙ ⅙ 1/3	
B203	B103						1	3/4 ϕ			1	3/4 ϕ		1	3/4 ϕ	15						
B204	B104						1	7/8 ϕ		3-0	1	1 ⅝		1	3/4 ϕ	16						
B205	B105						1	7/8 ϕ	3-0	3-0	1	7/8 ϕ		1	3/4 ϕ	16						
B206	B106						1	7/8 ϕ	3-0	3-0	1	7/8 ϕ		1	3/4 ϕ	16						
B207	B107			8	18		1	7/8 ϕ	3-0		1	1 ⅝				16						
B208	B108			8	18		1	3/4 ϕ			1	3/4 ϕ				12						
B209	B109			8	18		1	1 ⅝			1	1 ⅝				14				12"		
B210	B110			10	18		1	1 1/4 ⅝		3-0	1	1 1/4 ⅝		1	3/4 ϕ	18			3/16 4/9	18"	1/12 1/9 1/6 1/3	
B211	B111						1	1 1/4 ⅝	3-0	3-0	1	1 1/4 ⅝		1	3/4 ϕ	16			1/3 1/6 1/9 1/12	18"	1/12 1/9 1/6 1/3	
B212	B112						1	1 ⅝		3-0	1	1 ⅝		1	7/8 ϕ	19			1/3 1/6 1/9 1/12	18"	1/12 2/9 2/3 1/3	
B213	B113						1	1 1/4 ⅝	3-0		1	1 1/4 ⅝				22			1/3 2/3 2/9 2/3	18"	2/3 2/9 2/3 1/3	
B214	B114						1	1 ⅝		3-0	1	1 ⅝		1	1 ⅝	19			1/3 1/6 1/9 1/12	18"	1/12 1/9 2/3 1/3	
B215	B115						1	1 1/8 ⅝	3-0	3-0	1	1 1/4 ⅝		1	3/4 ϕ	27			2/3 2/3 2/9 1/12	18"	1/12 2/9 2/3 2/3	
B216	B116						1	3/4 ϕ	3-0	3-0	1	7/8 ϕ		1	7/8 ϕ	13			1/3 1/6 1/9 1/12	18"	1/12 1/9 1/6 1/3	
B217	B117						1	1 ⅝	3-0	3-0	1	1 ⅝		1	3/4 ϕ	18			1/3 2/3 1/9 1/12	18"	1/12 1/9 2/3 1/3	
B218	B118						1	1 ⅝	3-0	3-0	1	1 ⅝		1	3/4 ϕ	18			1/3 2/3 1/9 1/12	18"	1/12 1/9 2/3 1/3	
B219	B119						1	1 ⅝	3-0	3-0	1	1 ⅝		1	7/8 ϕ	18				DO.		
B220	B120						1	1 ⅝	3-0	3-0	1	1 1/8 ⅝		1	7/8 ϕ	20			1/3 2/3 1/9 1/12	18"	2/3 2/9 2/3 1/3	
B221	B121						1	7/8 ϕ	3-0	3-0	1	1 ⅝		1	3/4 ϕ	16			1/3 1/6 1/9 1/12	18"	1/12 1/9 1/6 1/3	
B222	B122						1	1 ⅝	3-0		1	1 ⅝				16			1/3 1/6 1/9 1/12	18"	1/12 1/9 1/6 1/3	
B225	B123						1	1 ⅝	3-0	3-0	1	1 ⅝		1	1/4 ϕ	17			1/3 2/3 1/9 1/12	18"	1/12 2/9 2/3 1/3	
B224	B124						1	3/4 ϕ		3-0	1	3/4 ϕ		1	3/4 ϕ	12			1/3 1/6 1/9 1/12	18"	1/12 1/9 1/6 1/3	
B225	B125			12	6		2	7/8 ϕ			2	7/8 ϕ				8			1/3 1/6 1/9 1/12		1/12 1/9 1/6 1/3	
B226	B126			10	18		1	1 ⅝			1	7/8 ϕ				12	3/8 ϕ		1/3 1/6 1/9 1/12	18"	1/12 2/3 1/3	
B227	B127			12	18		1	1 ⅝		3-0	1	1 1/8 ⅝		1	1 ⅝	21	3/8 ϕ		1/3 1/6 1/9 1/12	18"	1/12 1/9 4/9 2/3	
B228	B128			12	18		1	1 1/4 ⅝	3-0	3-0	1	1 1/4 ⅝		1	7/8 ϕ	29	3/8 ϕ		4/3 4/9 2/9 1/12	18"	1/12 1/9 4/9 4/3	
B229	B129			10	18		1	7/8