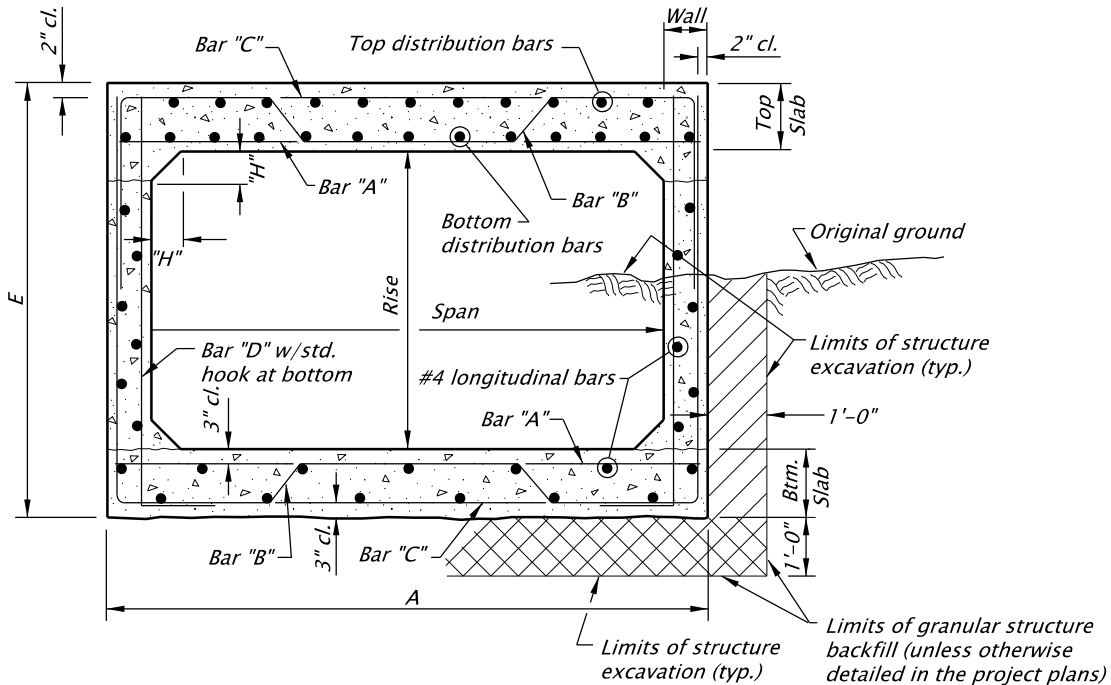
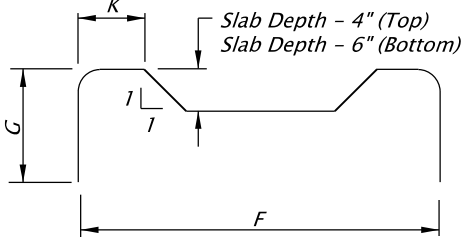


SIZE		FILL	QUANTITY PER L.F.		DIMENSIONS						"A" BARS			"B" BARS						"C" BARS						B and C BARS	"D" BARS			#4 DIST. BARS		#4 LONG WALLS	#4 LONG BOTTOM SLAB	DESIGN FACTORED NET BRNG. PRESS.			
SPAN	RISE		CONC.	STEEL	A	E	H	TOP SLAB	BOT. SLAB	WALL	SIZE	SPC	LENGTH	SIZE	SPC	TOP			BOTTOM			SIZE	SPC	TOP		BOTTOM		F	SIZE	SPC	LENGTH				TOP	BOTTOM	
FT	FT	FT	C.Y.	LBS.													LENGTH	G	K	LENGTH	G	K			LENGTH	G	LENGTH	G									KSF
12	6	0-2	1.41	260	13'-6"	8'-0"	12"	12"	12"	9"	#5	8"	13'-2"	#4	8"	17'-2"	1'-9"	3'-5"	28'-10"	7'-7"	3'-5"	#6	8"	18'-5"	2'-7"	28'-4"	7'-7"	13'-2"	#4	8"	8'-3"	19	15	24	18	1.66	
12	6	2-10	1.53	319	13'-6"	8'-3"	12"	12"	15"	9"	#6	8"	13'-2"	#4	8"	17'-2"	1'-9"	3'-5"	29'-6"	7'-10"	3'-5"	#7	8"	21'-0"	3'-11"	28'-10"	7'-10"	13'-2"	#4	8"	8'-6"	9	9	24	22	0.79	
12	6	10-20	1.94	317	14'-0"	8'-9"	12"	15"	18"	12"	#6	8"	13'-8"	#5	8"	18'-9"	2'-2"	3'-8"	31'-3"	8'-4"	3'-8"	#6	8"	18'-11"	2'-7"	30'-4"	8'-4"	13'-8"	#4	8"	9'-0"	11	11	24	26	1.16	
12	6	20-30	2.64	347	14'-6"	9'-9"	12"	21"	24"	15"	#6	8"	14'-2"	#5	8"	19'-8"	2'-2"	3'-11"	34'-2"	9'-4"	3'-11"	#6	8"	19'-5"	2'-7"	32'-10"	9'-4"	14'-2"	#4	8"	10'-0"	15	15	28	34	1.86	
12	6	30-40	3.18	424	14'-6"	10'-9"	12"	27"	30"	15"	#6	8"	14'-2"	#5	8"	20'-1"	2'-2"	3'-11"	36'-7"	10'-4"	3'-11"	#7	8"	22'-0"	3'-11"	34'-10"	10'-4"	14'-2"	#4	8"	11'-0"	19	19	32	42	2.54	
12	8	0-2	1.52	275	13'-6"	10'-0"	12"	12"	12"	9"	#5	8"	13'-2"	#5	8"	18'-1"	2'-2"	3'-5"	32'-10"	9'-7"	3'-5"	#5	8"	17'-6"	2'-2"	32'-4"	9'-7"	13'-2"	#4	8"	10'-3"	19	19	28	18	1.52	
12	8	2-10	1.64	267	13'-6"	10'-3"	12"	12"	15"	9"	#5	8"	13'-2"	#5	8"	18'-1"	2'-2"	3'-5"	33'-6"	9'-10"	3'-5"	#5	8"	17'-6"	2'-2"	32'-10"	9'-10"	13'-2"	#4	8"	10'-6"	9	9	28	22	0.70	
12	8	10-20	2.09	301	14'-0"	10'-9"	12"	15"	18"	12"	#6	8"	13'-8"	#5	8"	18'-9"	2'-2"	3'-8"	35'-3"	10'-4"	3'-8"	#5	8"	18'-0"	2'-2"	34'-4"	10'-4"	13'-8"	#4	8"	11'-0"	11	11	28	26	1.07	
12	8	20-30	2.83	372	14'-6"	11'-9"	12"	21"	24"	15"	#6	8"	14'-2"	#5	8"	19'-8"	2'-2"	3'-11"	38'-2"	11'-4"	3'-11"	#6	8"	19'-5"	2'-7"	36'-10"	11'-4"	14'-2"	#4	8"	12'-0"	15	15	36	34	1.78	
12	8	30-40	3.37	437	14'-6"	12'-9"	12"	27"	30"	15"	#6	8"	14'-2"	#6	8"	21'-0"	2'-7"	3'-11"	40'-7"	12'-4"	3'-11"	#6	8"	19'-5"	2'-7"	38'-10"	12'-4"	14'-2"	#4	8"	13'-0"	19	19	36	42	2.46	
12	10	0-2	1.63	314	13'-6"	12'-0"	12"	12"	12"	9"	#5	8"	13'-2"	#4	8"	17'-2"	1'-9"	3'-5"	36'-10"	11'-7"	3'-5"	#6	8"	18'-5"	2'-7"	36'-4"	11'-7"	13'-2"	#5	8"	12'-5"	19	15	32	18	1.40	
12	10	2-10	1.75	326	13'-6"	12'-3"	12"	12"	15"	9"	#6	8"	13'-2"	#4	8"	17'-2"	1'-9"	3'-5"	37'-6"	11'-10"	3'-5"	#6	8"	18'-5"	2'-7"	36'-10"	11'-10"	13'-2"	#5	8"	12'-8"	9	9	32	22	0.60	
12	10	10-20	2.24	338	14'-0"	12'-9"	12"	15"	18"	12"	#6	8"	13'-8"	#5	8"	18'-9"	2'-2"	3'-8"	39'-3"	12'-4"	3'-8"	#5	8"	18'-0"	2'-2"	38'-4"	12'-4"	13'-8"	#5	8"	13'-2"	11	11	36	26	0.98	
12	10	20-30	3.01	410	14'-6"	13'-9"	12"	21"	24"	15"	#6	8"	14'-2"	#5	8"	19'-8"	2'-2"	3'-11"	42'-2"	13'-4"	3'-11"	#6	8"	19'-5"	2'-7"	40'-10"	13'-4"	14'-2"	#5	8"	14'-2"	15	15	40	34	1.70	
12	10	30-40	3.55	541	14'-6"	14'-9"	12"	27"	30"	15"	#6	8"	14'-2"	#6	8"	21'-0"	2'-7"	3'-11"	44'-7"	14'-4"	3'-11"	#7	8"	22'-0"	3'-11"	42'-10"	14'-4"	14'-2"	#5	8"	15'-2"	19	19	44	42	2.38	
12	12	0-2	2.00	346	14'-0"	14'-0"	12"	12"	12"	12"	#5	8"	13'-8"	#4	8"	17'-8"	1'-9"	3'-8"	41'-4"	13'-7"	3'-8"	#6	8"	18'-11"	2'-7"	40'-10"	13'-7"	13'-8"	#5	8"	14'-5"	20	16	40	20	1.24	
12	12	2-10	2.13	358	14'-0"	14'-3"	12"	12"	15"	12"	#6	8"	13'-8"	#4	8"	17'-8"	1'-9"	3'-8"	42'-0"	13'-10"	3'-8"	#6	8"	18'-11"	2'-7"	41'-4"	13'-10"	13'-8"	#5	8"	14'-8"	10	10	40	22	0.53	
12	12	10-20	2.39	359	14'-0"	14'-9"	12"	15"	18"	12"	#6	8"	13'-8"	#5	8"	18'-9"	2'-2"	3'-8"	43'-3"	14'-4"	3'-8"	#5	8"	18'-0"	2'-2"	42'-4"	14'-4"	13'-8"	#5	8"	15'-2"	11	11	40	26	0.89	
12	12	20-30	3.20	460	14'-6"	15'-9"	12"	21"	24"	15"	#6	8"	14'-2"	#5	8"	19'-8"	2'-2"	3'-11"	46'-2"	15'-4"	3'-11"	#6	8"	19'-5"	2'-7"	44'-10"	15'-4"	14'-2"	#6	8"	16'-4"	15	15	48	34	1.62	
12	12	30-40	3.47	1136	14'-6"	16'-3"	12"	24"	27"	15"	#6	6"	14'-2"	#8	6"	24'-8"	4'-7"	3'-11"	47'-4"	15'-10"	3'-11"	#9	6"	25'-6"	5'-8"	45'-10"	15'-10"	14'-2"	#6	6"	16'-10"	17	17	48	38	2.27	



TYPICAL SECTION
NONE

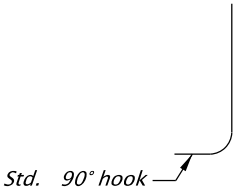
NOTE:
Splice bar "B" (top) with bar "B" (bottom)
and bar "C" (top) with bar "C" (bottom).
Bars "A" and "C" alternate with bar "B".



BAR "B"



BAR "C"



BAR "D"

NOTE:
1. See BR820 for general notes.

The selection and use of this
Standard Drawing, while
designed in accordance with
generally accepted engineering
principles and practices, is the
sole responsibility of the user
and should not be used without
first consulting a Registered
Professional Engineer.

All materials shall be in accordance with the current Oregon Standard Specifications.			
OREGON STANDARD DRAWINGS CAST-IN-PLACE CONCRETE BOX CULVERTS GENERAL DETAILS 12 x 6, 12 x 8, 12 x 10 and 12 x 12 2024			
DATE	REVISION DESCRIPTION		
01-2021	Label dimension H		
CALC. BOOK NO.	6402, 6406, 6407	SDR DATE	06-JAN-2021
			BR835