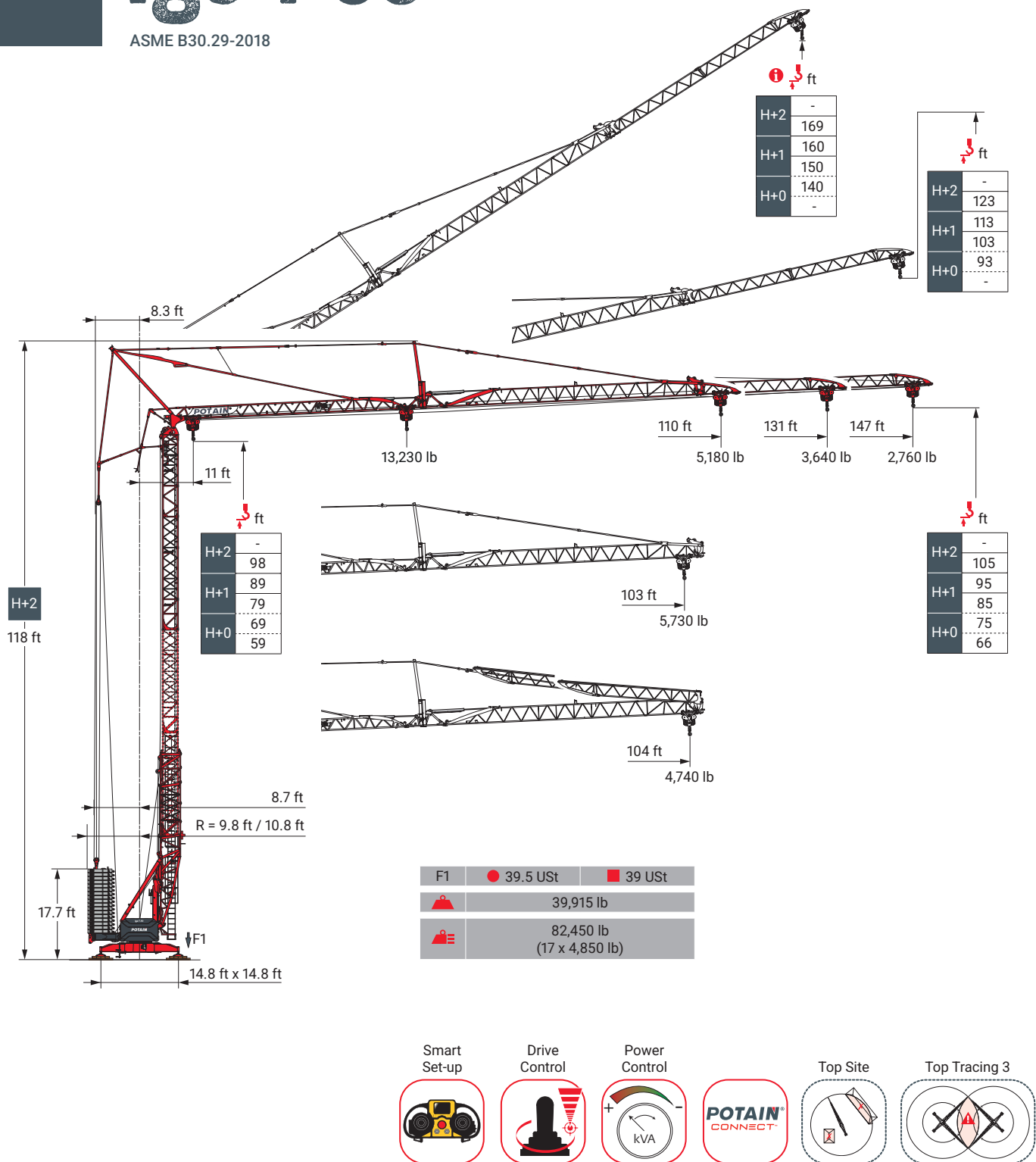


POTAIN®

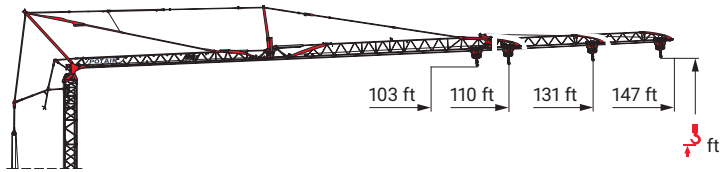
Igo T 89

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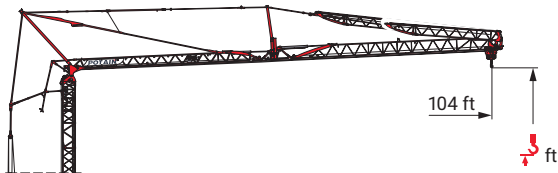
Values have been rounded.

Load curves



ft		103	110	131	147	
ft	H+2	-	-	-	-	3
	H+1	103	103	104	105	2
	H+0	93	93	94	95	1
		83	83	84	85	
		73	74	75	75	
		63	64	65	66	

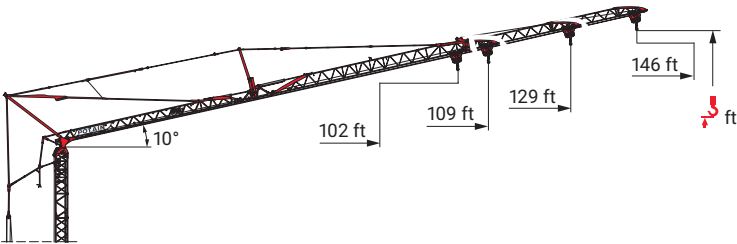
	ft	13,230 lb	ft																			
1	147	11 → 39	13,230	13,230	11,090	8,320	7,370	6,600	5,960	5,420	4,970	4,570	-	4,230	-	3,930	3,660	3,420	3,210	3,010	2,840	2,760
	131	11 → 42	13,230	13,230	12,180	9,210	8,180	7,340	6,650	6,070	5,570	5,140	-	4,760	-	4,430	4,140	3,870	3,640	lb		
	110	11 → 49	13,230	13,230	13,230	10,740	9,530	8,540	7,730	7,050	6,460	5,960	-	5,530	5,180	lb						
	103	11 → 50	13,230	13,230	13,230	10,990	9,750	8,740	7,910	7,210	6,620	6,110	5,730	lb								
2	147	11 → 27	13,230	11,710	8,900	7,130	6,460	5,900	5,420	5,000	4,640	4,320	-	4,040	-	3,780	3,550	3,350	3,160	2,990	2,830	2,760
	131	11 → 36	13,230	13,230	10,660	8,410	7,590	6,900	6,320	5,820	5,380	5,000	-	4,660	-	4,370	4,100	3,860	3,640	lb		
	110	11 → 49	13,230	13,230	13,230	10,740	9,530	8,540	7,730	7,050	6,460	5,960	-	5,530	5,180	lb						
	103	11 → 50	13,230	13,230	13,230	10,990	9,750	8,740	7,910	7,210	6,620	6,110	5,730	lb								
3	147	11 → 21	13,230	10,250	8,100	6,650	6,090	5,610	5,190	4,820	4,500	4,210	-	3,950	-	3,710	3,500	3,310	3,130	2,970	2,830	2,760
	131	11 → 29	13,230	12,310	9,590	7,810	7,130	6,550	6,050	5,610	5,230	4,890	-	4,580	-	4,310	4,070	3,840	3,640	lb		
	110	11 → 45	13,230	13,230	13,230	10,230	9,160	8,280	7,550	6,920	6,390	5,920	-	5,510	5,180	lb						
	103	11 → 47	13,230	13,230	13,230	10,560	9,450	8,540	7,780	7,130	6,570	6,090	5,730	lb								



ft		131	147	
ft	H+2	-	-	3
	H+1	103	93	2
	H+0	83	73	1
		64	64	

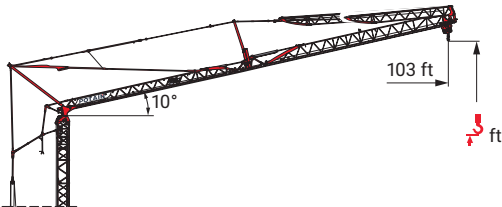
	ft	13,230 lb	ft																			
1	147 - 131	11 → 42	13,230	13,230	12,180	9,190	8,160	7,320	6,630	6,050	5,550	5,110	4,740	lb								
2	147 - 131	11 → 37	13,230	13,230	11,010	8,640	7,770	7,050	6,450	5,930	5,480	5,090	4,740	lb								
3	147 - 131	11 → 27	13,230	11,980	9,520	7,860	7,210	6,660	6,170	5,750	5,370	5,040	4,740	lb								

Jib raised to 10°



	ft	103	110	131	147	
ft	H+2	-	-	-	-	3
	H+1	115	117	120	123	2
	H+0	96	97	100	103	1
		86	87	91	93	

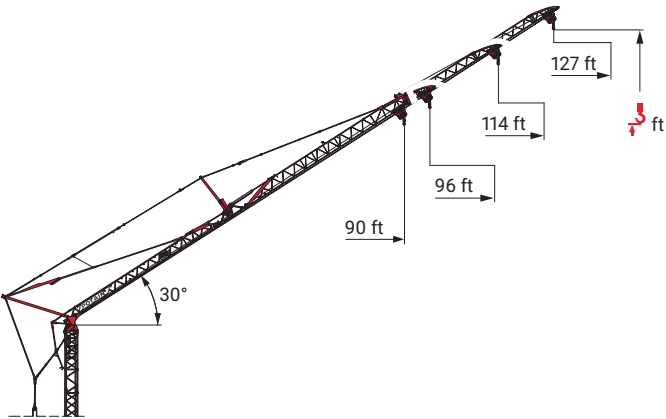
	ft	2,870 lb	59	65	72	78	85	91	98	102	104	109	114	118	124	129	131	137	144	146	ft
1	147	11 → 141	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,800	2,760	lb
2	131	11 → 129	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,800	2,760	lb
	110	11 → 109	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,800	2,760	lb
	103	11 → 102	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,800	2,760	lb
3	147	11 → 112	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,780	2,680	2,480	-	2,310	2,160	2,020	1,980	lb
	131	11 → 129	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,800	2,760	lb
	110	11 → 109	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,800	2,760	lb
	103	11 → 102	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,800	2,760	lb



	ft	131	147	
ft	H+2	-	-	3
	H+1	115	117	2
	H+0	96	97	1
		86	87	

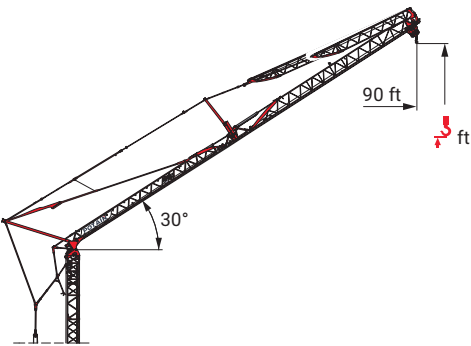
	ft	2,870 lb	59	65	72	78	85	91	98	103	ft
1	147	11 → 103	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	lb

Jib raised to 30°



	ft	103	110	131	147	
ft	H+2	-	-	-	-	3
	H+1	-	-	161	169	2
	H+0	127	131	141	150	
		118	121	132	140	1

	ft	6,610 lb	59	65	72	78	85	90	91	96	98	104	111	114	118	124	127	ft
1	147	11 → 63	6,610	6,400	5,690	5,110	4,630	-	4,220	-	3,860	3,560	3,300	3,170	3,060	2,850	2,760	lb
	131	11 → 70	6,610	6,610	6,410	5,770	5,220	-	4,770	-	4,380	4,040	3,750	3,640	lb			
	110	11 → 78	6,610	6,610	6,610	6,600	5,990	-	5,470	5,180	lb							
	103	11 → 80	6,610	6,610	6,610	6,610	6,160	5,730	lb									
2	147	11 → 47	5,440	4,920	4,480	4,110	3,790	-	3,510	-	3,260	3,040	2,840	2,750	2,660	2,500	2,430	lb
	131	11 → 62	6,610	6,250	5,620	5,100	4,660	-	4,270	-	3,940	3,660	3,400	3,310	lb			
3	147	11 → 32	3,550	3,140	2,810	2,530	2,290	-	2,090	-	1,910	1,750	1,610	1,550	1,490	1,370	1,320	lb
	131	11 → 47	5,370	4,830	4,380	4,000	3,670	-	3,390	-	3,140	2,920	2,720	2,650	lb			



	ft	131	147	
ft	H+2	-	-	
	H+1	-	-	
	H+0	127	-	
		118	-	1

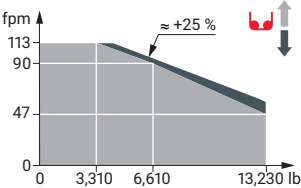
	ft	6,610 lb	59	65	72	78	85	90	ft
1	147 - 131	11 → 68	6,610	6,610	6,260	5,630	5,100	4,740	lb

Mechanisms

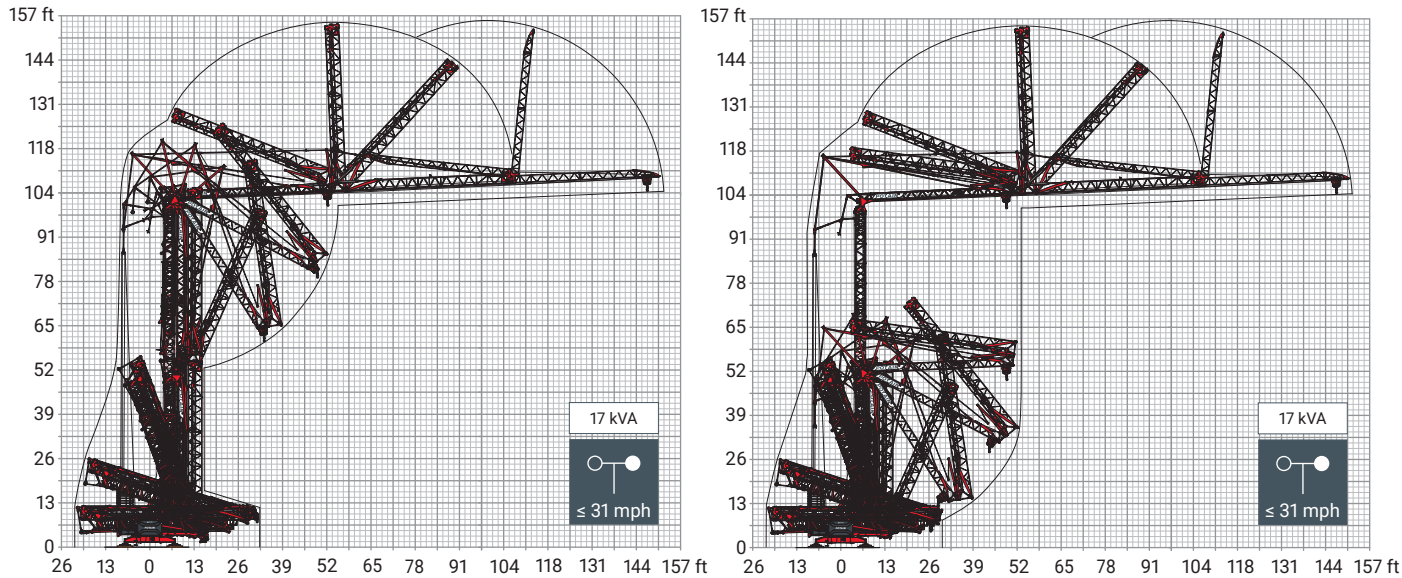
480 V - 60 Hz							hp	kW
	20 LVF 15 Optima	fpm	3	47	90	113	20	15
		lb	13,230	13,230	6,610	3,310		
	5 DVF 5 Optima	fpm	48	127	180	229	5.5	4
		lb	13,230	13,230	4,410	440		
	RVF 151 Optima+	rpm	0 → 0.8				5.5	4

 IEC 60204-32		
480 V (+6% -10%) 60 Hz	22 → 15 kVA	

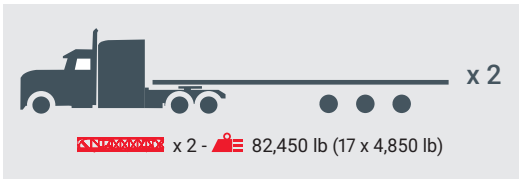
20 LVF 15 Optima



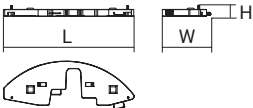
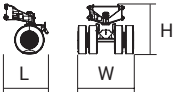
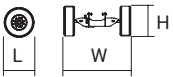
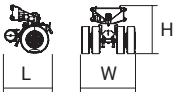
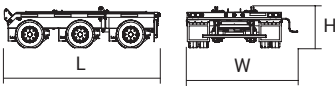
Erection



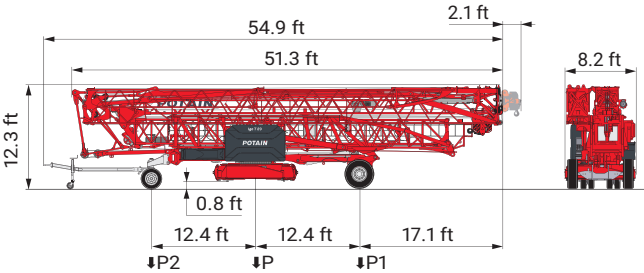
Transport



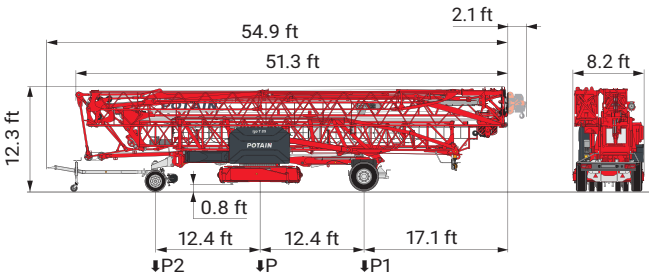
Dimensions and weight

Description	L (ft)	W (ft)	H (ft)	lb (+/- 5%)
 Extension mast	19.7	3.2	3.4	1,764
 Ballast slab	13.6	5.1	1.1	4,850
 Transport axle 6 mph	DJ100 3.8	4.8	4.2	1,477
 S120	3.5	7.9	3.5	1,168
 Transport axle 15.5 mph	DJ105A 4.3	4.8	4.1	1,653
 S125A	5	7.9	3.8	1,764
 Front adaptation kit	Kit 104 1.9	3.1	1.4	313
 Fifth wheel adaptor kit	SL122 7.2	7.6	2	798
 Transport axle 31 mph	North America Highway Axle 14	8.6	3.7	9,259
 Rear adaptation kit	Kit 203 6.1	5.3	2.3	617

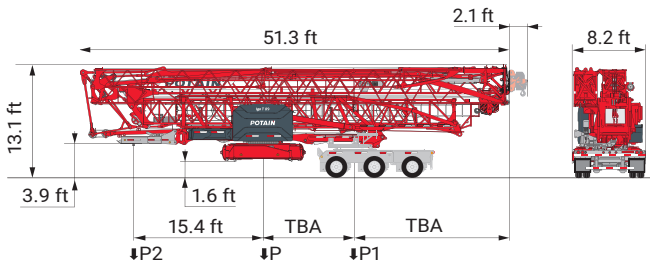
Road transport



	mph	P (lb)	P1 (lb)	P2 (lb)
DJ100/S120	6	42,637	24,945	17,692



	mph	P (lb)	P1 (lb)	P2 (lb)
DJ105A/S125A	15.5	43,376	25,541	17,835



	mph	P (lb)	P1 (lb)	P2 (lb)
North America Highway Axle	31	i	i	i

The reactions and ballast configurations presented in this data sheet meet the specifications of EN 14439:2025 and ASME B30.29-2018 standards.

The “out of service” wind profile is determined in accordance with ASCE 7-16 and ASCE 37-14 specifications as follow:

The “standard” design wind is determined from an ultimate reference wind speed of 115 mph (185 kph) corresponding to an average recurrence interval of 700 years, calculated for an Exposure C category, and combined with a 0.85 reduction factor based on the assumption that the crane is considered as a temporary construction structure used for 2 years or less.

As a result, this “standard” wind profile is covered by the EN 14439:2025 C25 wind profile, which is used to determine all technical data provided in this document.

- | | | |
|---|--|---|
|  Rear slewing radius |  Standard equipment |  Power Control Function: winch speeds adapted to the available power |
|  Consult us |  Options | |
|  Reactions in service |  Hoisting | |
|  Reactions out of service |  Trolleying | |
|  Weight without load, without ballast, without transport axes, with max. jib and standard height |  Slewing | |
|  Total ballast weight |  Required power | |

 Hook heights given with plated pulley block

 This commercial document is not legally binding

For any technical information, please refer to the corresponding instructions

