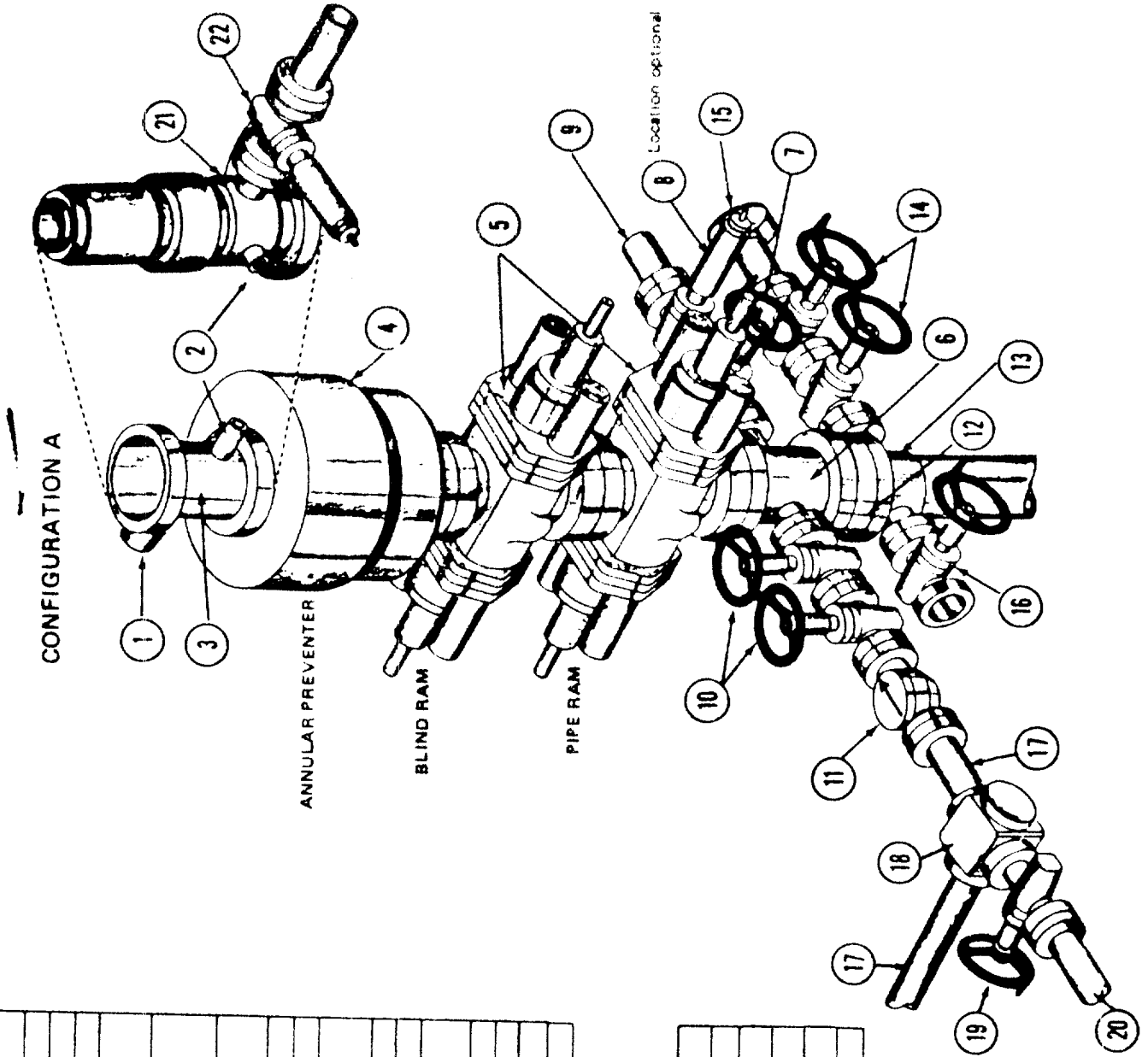


TO BE INSTALLED AT 5200'

DRAWING & CHECK LIST 104A
SHELL CLASS 5M
SURFACE INSTALLATIONS NORMAL



SHELL MINIMUM BOP STACK REQUIREMENTS			
No.	Item	Min. I.D.	Min. Nominal
1	Flowline		7"
2	Fill up Line		2"
3	Drilling Nipple		
4	Annular Preventer		
5	Two single or one dual hydraulically operated rams		
6	Drilling spool with 2" and 3" min. outlets		
7	Gate Valve	3 1/8"	
8	Gate Valve Power Operated	3-1/8"	
9	Line to choke manifold		3"
10	Gate Valve	2-1/16"	
11	Check Valve	2-1/16"	
13	Casing Spool		
14	Valves Gate	1-13/16"	
15	Compound Pressure Gauge connector		
16	Control plug or valve	1-13/16"	
17	Kill line to rig mud pump manifold		2"
18	2" X 2" X 2" cross		

*NOTE: Additional specifications for Air/Gas Service are given in Shell
Well Control Manual, Appendix 6.18.
A rotating head shell be provided on Air/Gas Service

OPTIONAL			
12	Wear flange or bore protector		
19	Gate valve		
20	Line to roadside connection		2"
21	Rotating blowout preventer		
22	Gate valve power operated	6"	

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