



**LIST OF SYMBOLS**

	SPECIAL HEATING UNIT FOR COLD WEATHER OPERATION
	SAFETY HANGER FOR LIQUID OXYGEN
	OVERBOARD DISCHARGE LINE
	BULKHEAD OR SHELL CONN. - INSULATED
	GMA OVERBOARD DISCH. LINE
	CONTROL STRAINER, TRAP & STOP CHECK VALVE FOR STEAM SYS.
	RELIEF VALVE-DRUM
	MOISTURE SEPARATOR
	AIR
	LIQUID OXYGEN
	LIQUID NITROGEN
	LIQUID OXYGEN INSULATED HITTING
	LIQUID NITROGEN INSULATED HITTING
	PRESSURE SWITCH
	GATE VALVE, LOCKED OPEN
	GLOBE VALVE, LOCKED OPEN
	GLOBE VALVE, LOCKED CLOSED
	GLOBE VALVE
	GLOBE HOSE VALVE
	SWING CHECK VALVE
	NEEDLE VALVE
	PRESSURE REDUCING VALVE
	AUTOMATIC STOP VALVE
	ANGLE RELIEF VALVE
	2 WAY PLUG COCK VALVE
	STRAINER
	PRESSURE GAGE
	SOLENOID CONTROL VALVE
	FUNNEL
	ORIFICE
	WYE STRAINER
	FILTER
	AIR DRYER

THIS PLAN APPLICABLE TO AS 34

APPROVED *[Signature]* FOR CHIEF OF BUREAU  
DATE 5/21/63

DEPARTMENT OF THE NAVY WASHINGTON, D.C.

**BUREAU OF SHIPS**

EXAMINED OFFICIAL *[Signature]* SIGNATURE

**SUBMARINE TENDER (AS) 33**

**COMPRESSED AIR AND OXYGEN-NITROGEN SYSTEMS**

APPROVED *[Signature]* DATE 7/2/63

DESIGNED BY *[Signature]* CHECKED BY *[Signature]*

DRAWN BY *[Signature]* REVISIONS

CONTRACT GUIDANCE PLAN

AS 33 800 1939715

SCALE - DIAGRAMATIC