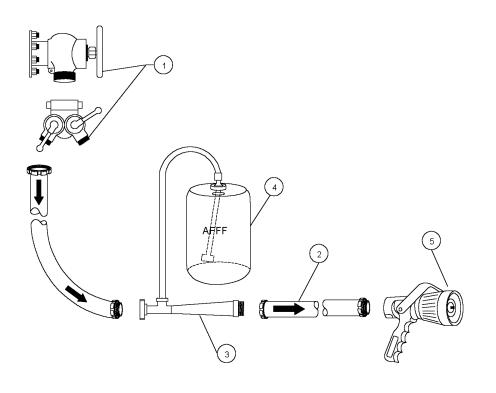
DAMAGE CONTROL LAYOUT SKETCHES

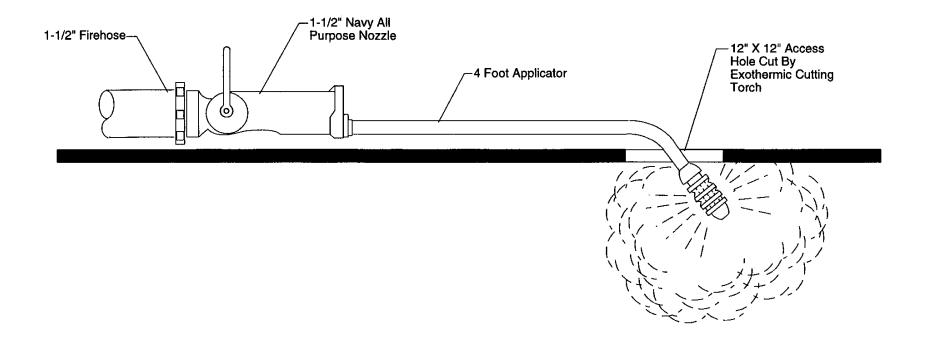
SECTION 8 - FIREFIGHTING EVOLUTION

SKETCH	TITLE OF SKETCH	SHEET
NO.		NO.
001	Using Portable AFFF (In-Line) Eductor/Firemain	8-2
002	Using NAP Nozzle and 4 Foot Applicator	8-3
003	Using P-100 Pump and In-Line Eductor Using 1-3/4" Firehose	8-4
004	Using P-100 Pump and In-Line Eductor	8-5
005	Using P-100 Pump Using 1-3/4" Firehose	8-6
006	Using P-100 Pump and Various Applicators	8-7
007	Using P-100 Pump Taking Suction from Overboard or Flooded Compartment Using 1-3/4" Firehose	8-8
800	Using P-100 Pump Taking Suction from Overboard or Flooded Compartment	8-9
009	Replacing Ruptured Firehose Using 2-1/2" Hose Clamp to Control Wild Firehose	8-10
010	Passing Through Escape Trunk	8-11
011	Using Portable AFFF (In-Line) Eductor	8-12
012	Hose Line and Nozzle Handling Methods (Sheet 1 of 2)	8-13
	Hose Line and Nozzle Handling Methods (Sheet 2 of 2)	8-14
013	Fire Attack – Direct Attack	8-15
014	Fire Attack - Fog Attack to Control Fire	
015	Fire Attack – Attack from an Access	8-16
016	Fire Attack – Direct Attack with Vent to Weather	8-17
017	Indirect Attack	8-18
018	Indirect Attack with Venting	8-19
019	Using P-100 Pump Taking Suction from Overboard or Flooded Compartment Suction Lift Less than 20 Feet	8-20

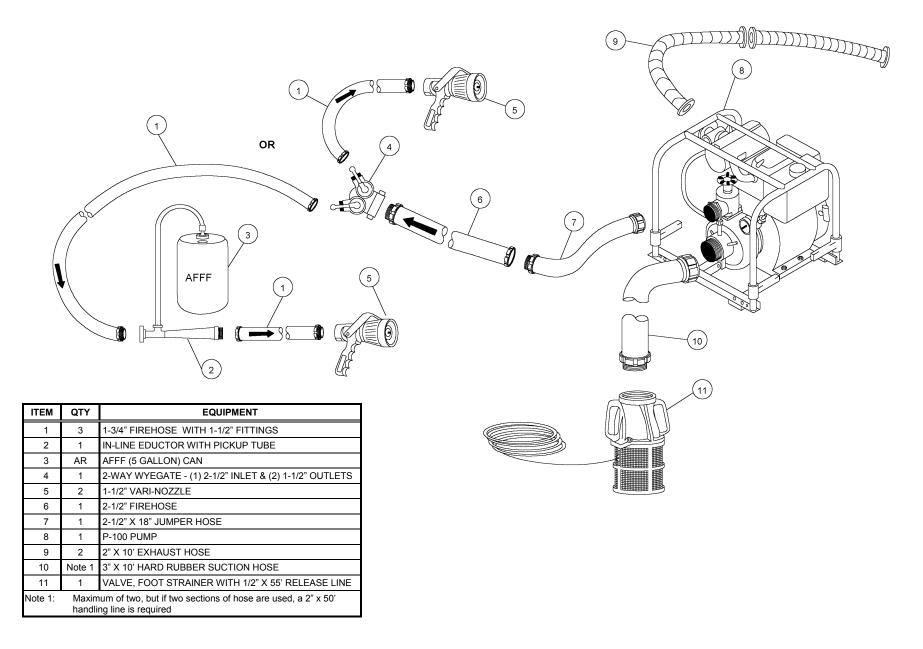


ITEM	QTY	EQUIPMENT
1	1	FIREPLUG WITH WYEGATE PROVIDING 2-1/2" OUTLET
2	2 OR 3	1-1/2" FIREHOUSE (MAXIMUM 150 FEET)
3	1	IN-LINE EDUCTOR WITH PICKUP TUBE
4	AR	AFFF (5 GAL) CAN
5	1	1-1/2" VARI-NOZZLE

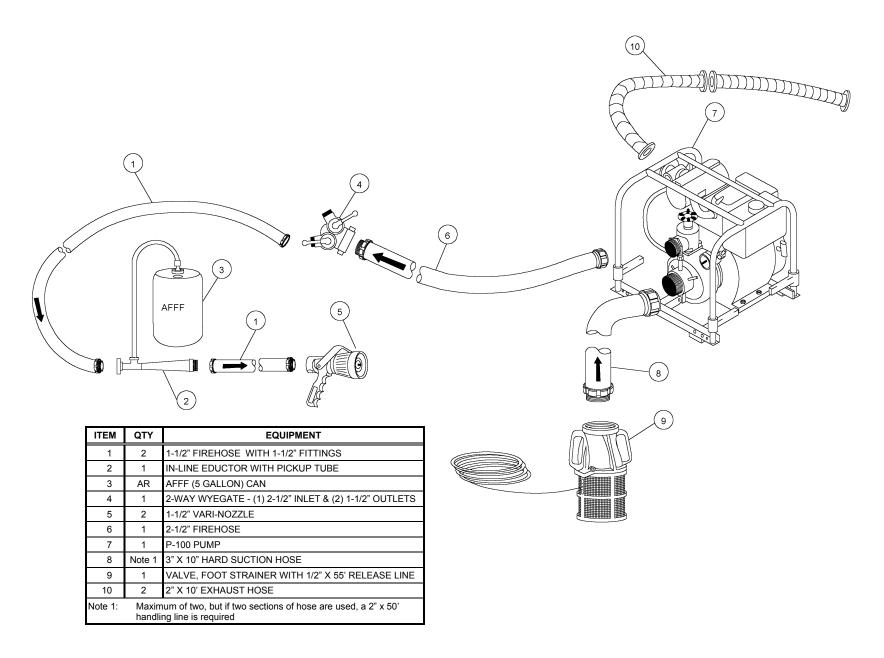
FIREFIGHTING EVOLUTION - SKETCH #001 Using Portable AFFF (In-Line) Eductor/Firemain



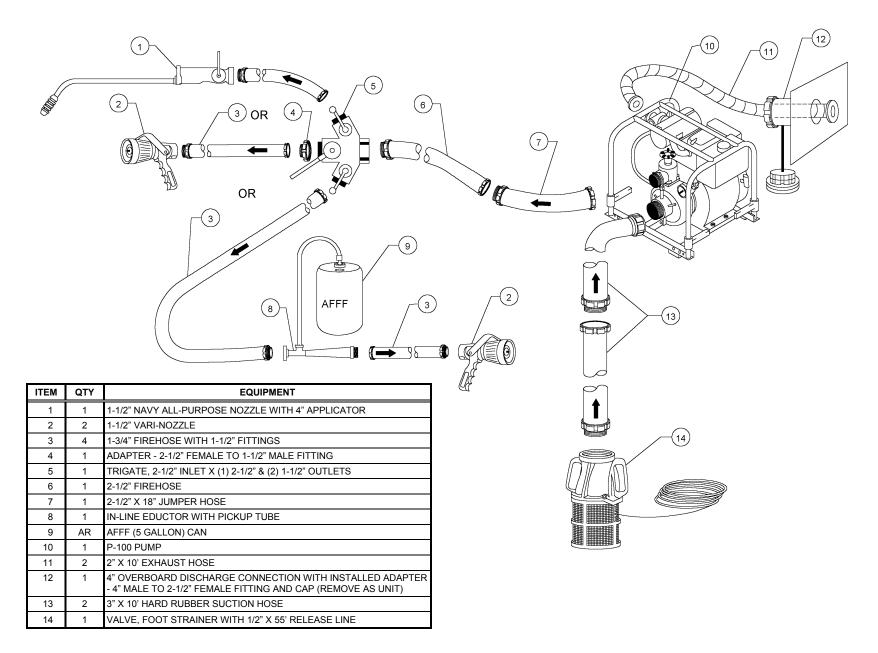
FIREFIGHTING EVOLUTION - SKETCH #002 Using NAP Nozzle and 4 Foot Applicator



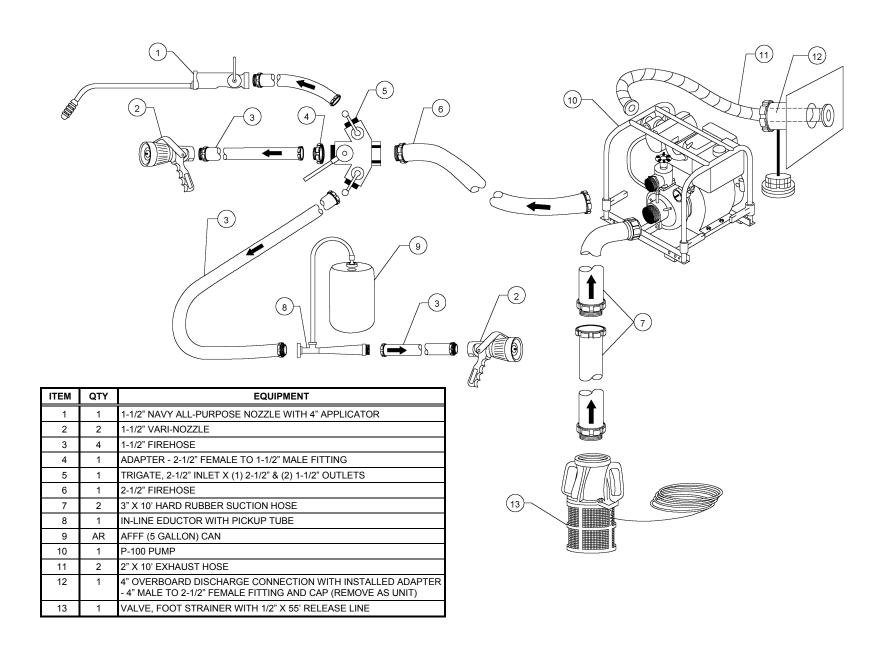
FIREFIGHTING EVOLUTION - SKETCH #003
Using P-100 Pump and In-Line Eductor Using 1-3/4" Firehose



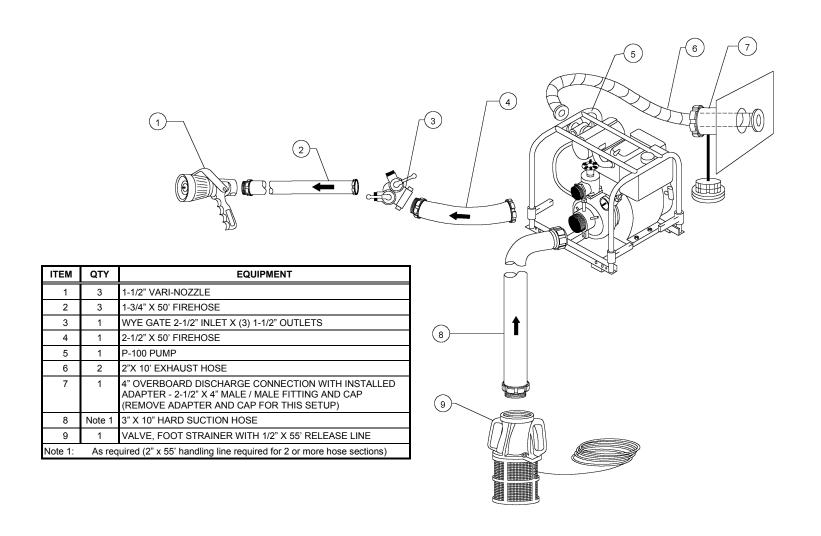
FIREFIGHTING EVOLUTION - SKETCH #004
Using P-100 Pump and In-Line Eductor



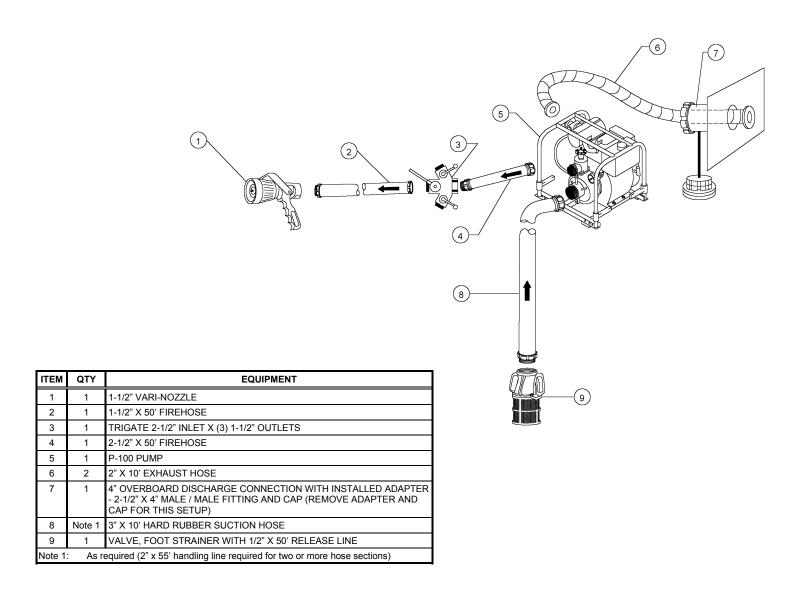
FIREFIGHTING EVOLUTION - SKETCH #005 Using P-100 Pump Using 1-3/4" Firehose



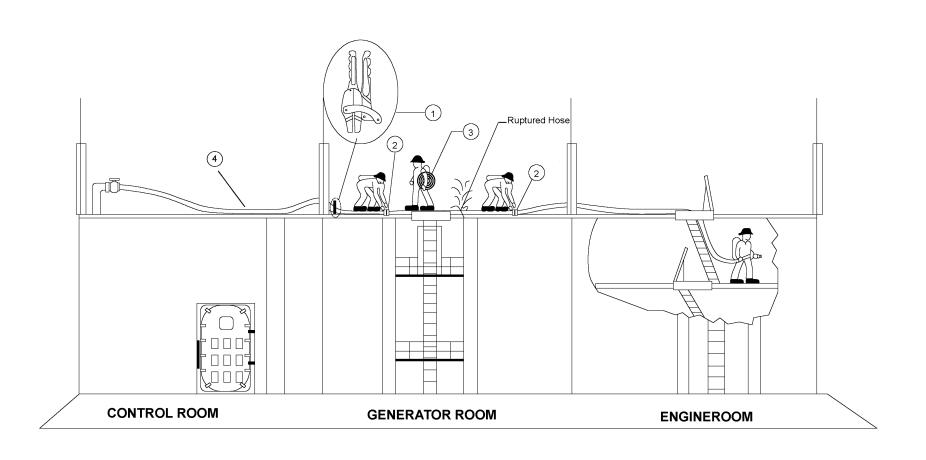
FIREFIGHTING EVOLUTION - SKETCH #006 Using P-100 Pump and Various Applicators



FIREFIGHTING EVOLUTION - SKETCH #007
Using P-100 Pump Taking Suction from Overboard or Flooded Compartment Using 1-3/4" Firehose

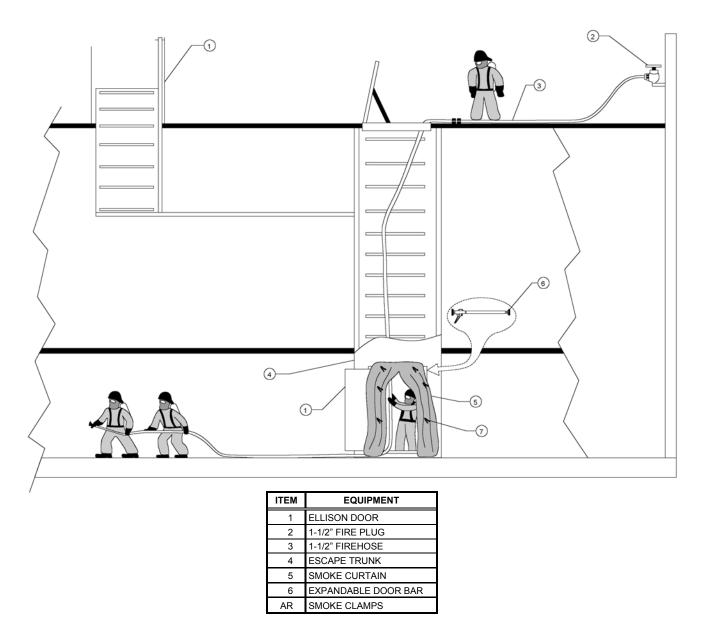


FIREFIGHTING EVOLUTION - SKETCH #008
Using P-100 Pump Taking Suction from Overboard or Flooded Compartment

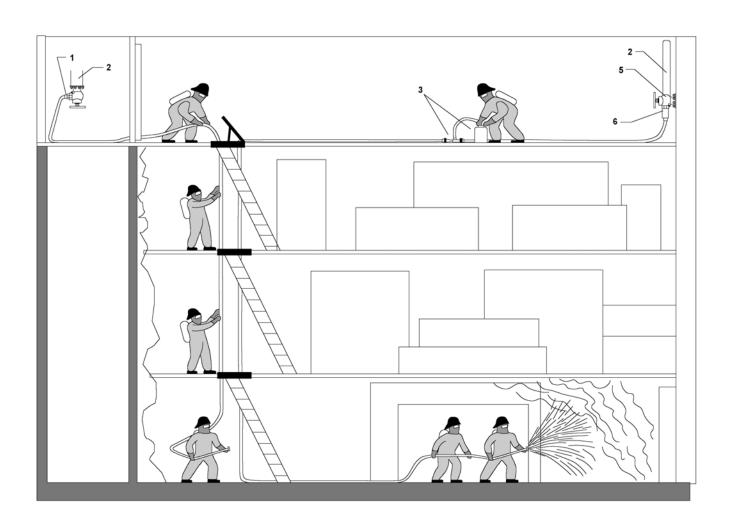


ITEM	QTY	EQUIPMENT
1	1	2-1/2" HOSE CLAMP
2	2	SPANNER WRENCH
3	1	2-1/2" X 50' FIREHOSE (REPLACEMENT ONLY)
4	1	2-1/2" FIREHOSE

FIREFIGHTING EVOLUTION - SKETCH #009 Replacing Ruptured Firehose Using 2-1/2" Hose Clamp to Control Wild Firehose

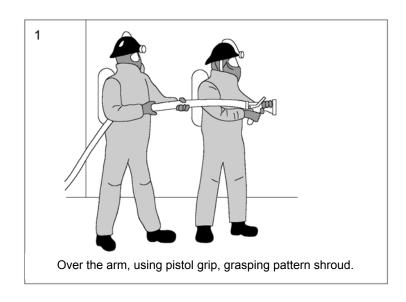


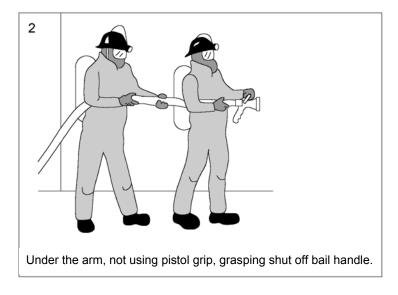
FIREFIGHTING EVOLUTION - SKETCH #010 Passing Through Escape Trunk

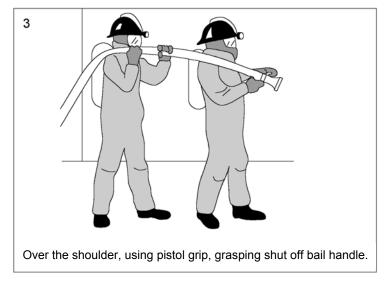


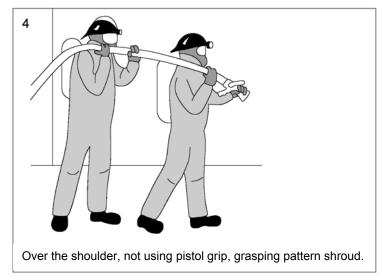
ITEM	EQUIPMENT
1	REDUCER 2-1/2" TO 1-1/2"
2	FIREMAIN SUPPLY PIPE
3	5 GALLON CAN AFFF AND PORTABLE AFF (IN-LINE) EDUCTOR
5	FIRE PLUG
6	WYE GATE

FIREFIGHTING EVOLUTION - SKETCH #011 Using Portable AFFF (In-Line) Eductor

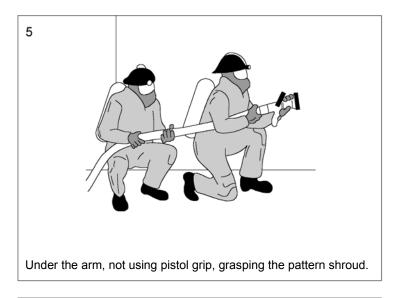


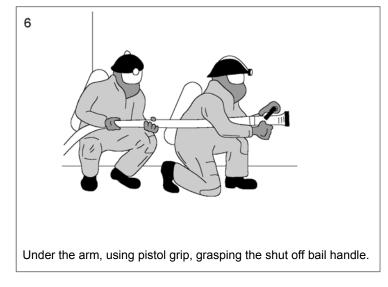






FIREFIGHTING EVOLUTION - SKETCH #012 Hose Line and Nozzle Handling Methods (Sheet 1 of 2)

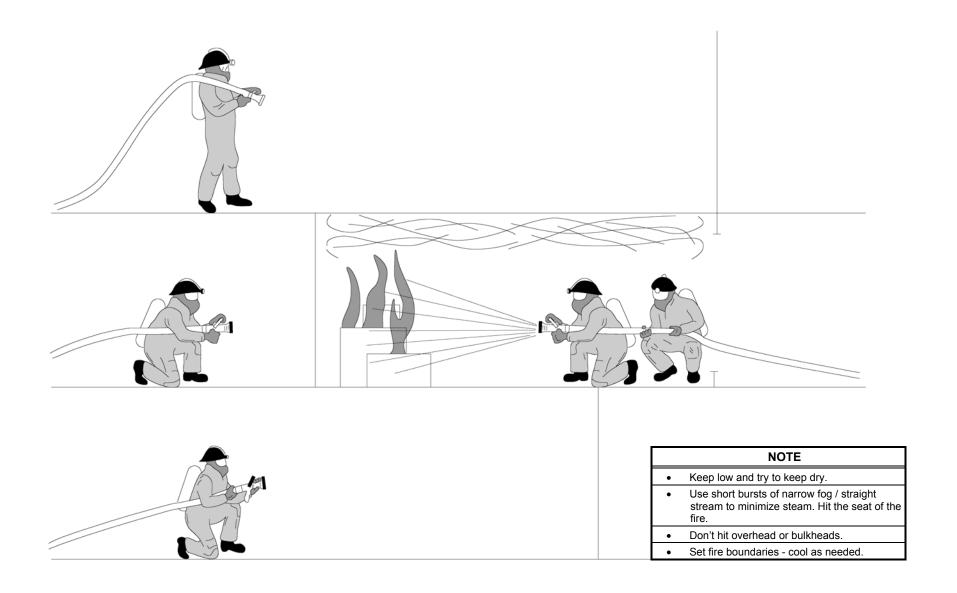






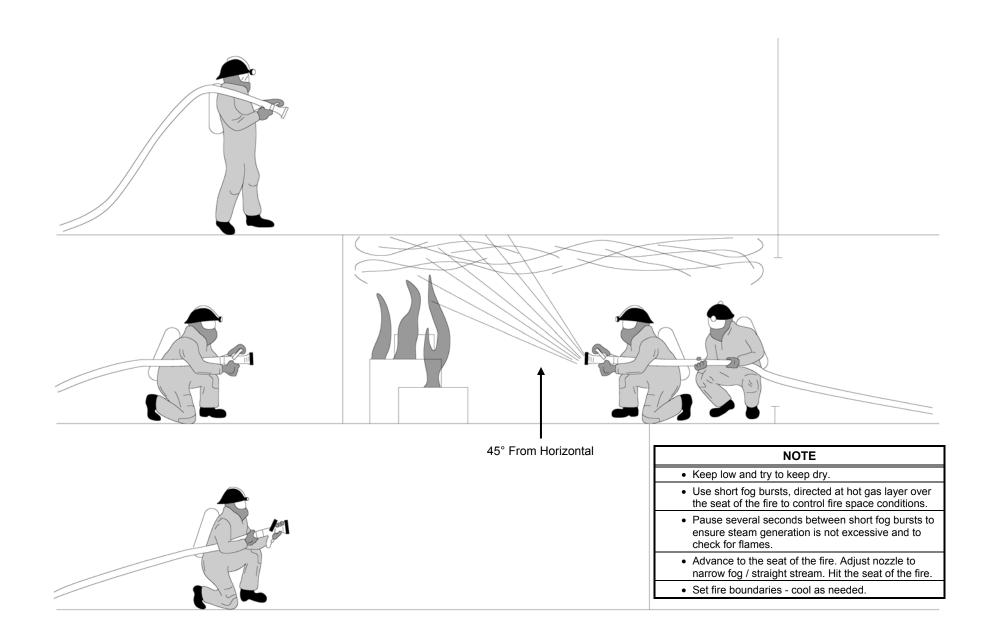


FIREFIGHTING EVOLUTION - SKETCH #012 Hose Line and Nozzle Handling Methods (Sheet 2 of 2)

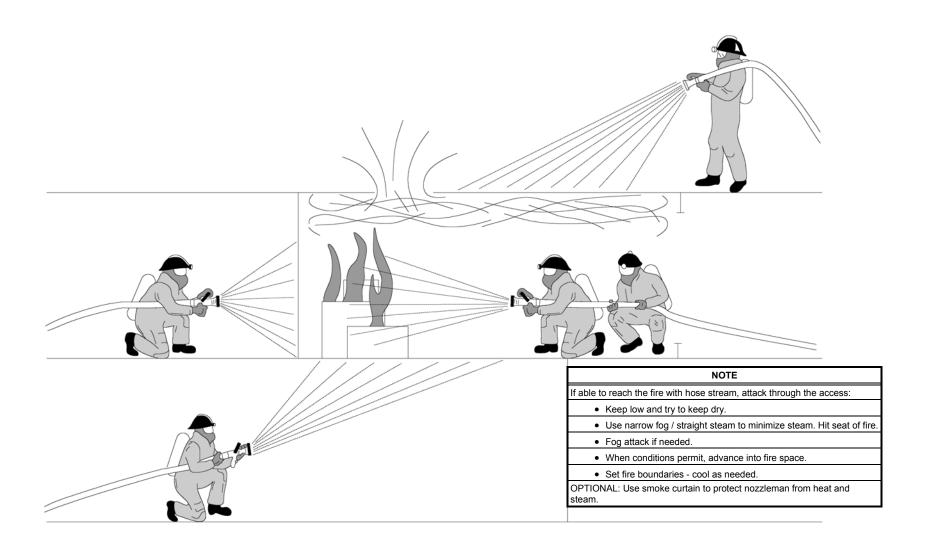


Preferred Method: Enter Space and Attack Fire Directly.

FIREFIGHTING EVOLUTION - SKETCH #013
Fire Attack - Direct Attack

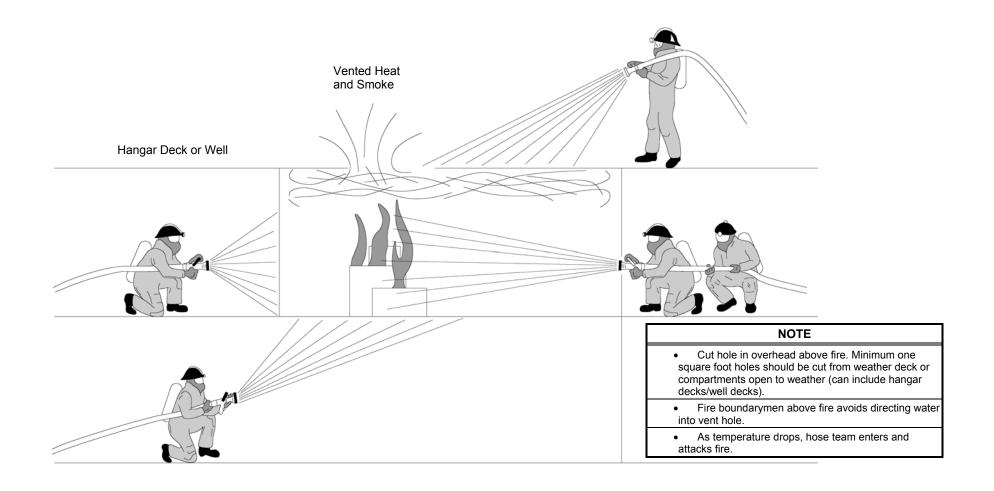


FIREFIGHTING EVOLUTION - SKETCH #014 Fire Attack - Fog Attack to Control Fire

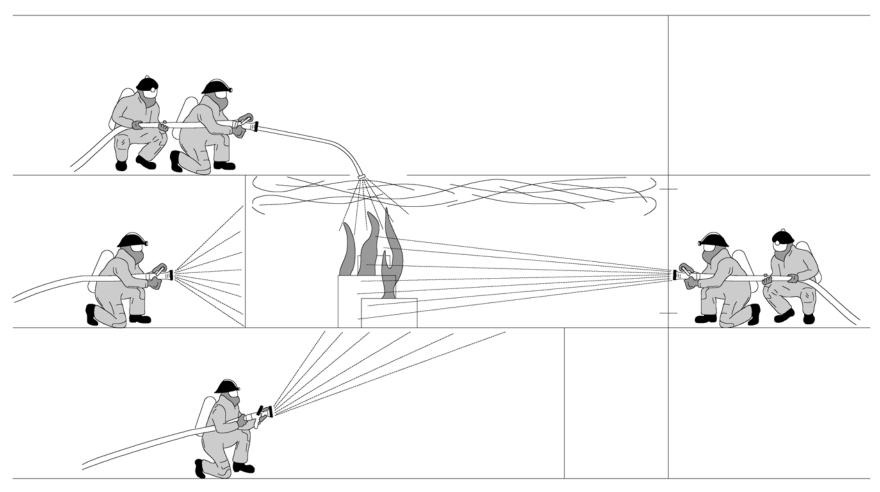


If high temperature attack from an access when fire can be reached with hose stream.

FIREFIGHTING EVOLUTION - SKETCH #015 Fire Attack - Attack from an Access



FIREFIGHTING EVOLUTION - SKETCH #016 Fire Attack - Direct Attack with Vent to Weather

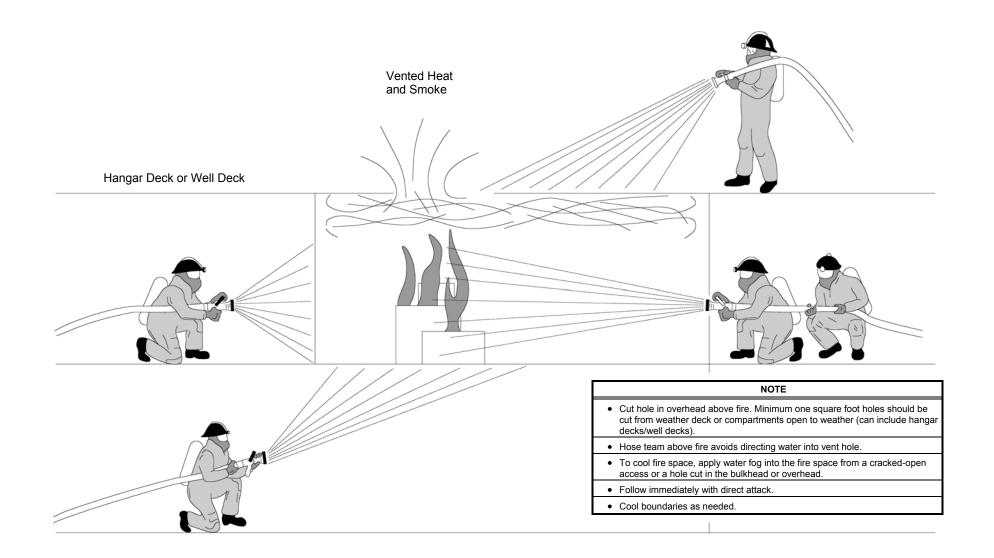


If high temperature denies access, conduct indirect attack.

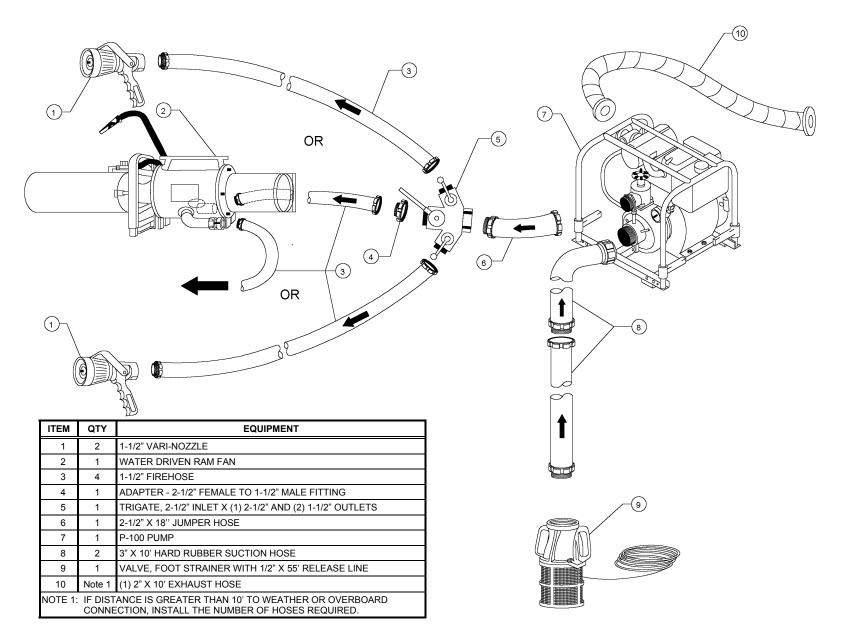
NOTE

- To cool fire space, apply water fog into the fire space from a cracked-open access or a hole cut in the bulkhead or overhead.
- Follow immediately with direct attack.
- Cool boundaries as needed.

FIREFIGHTING EVOLUTION - SKETCH #017 Indirect Attack



FIREFIGHTING EVOLUTION - SKETCH #018 Indirect Attack with Venting

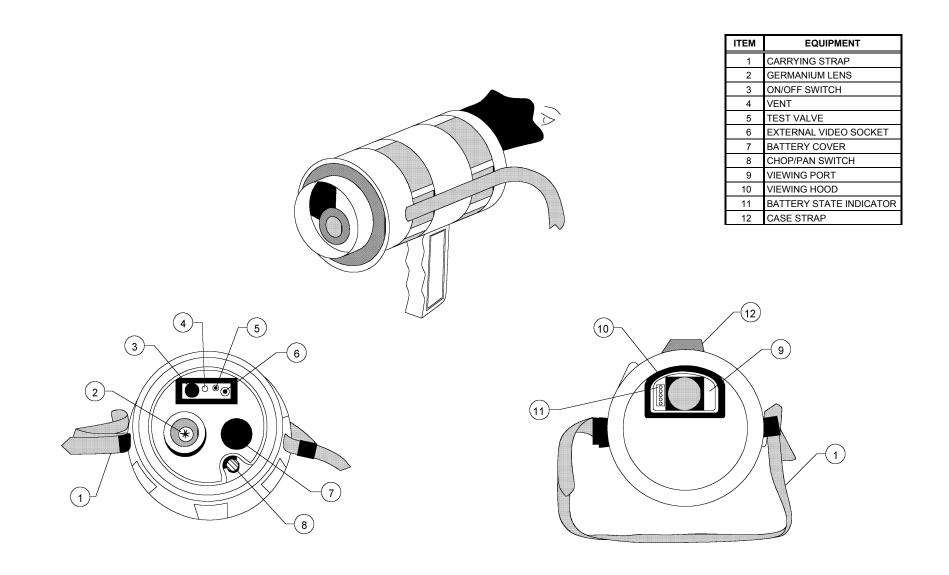


FIREFIGHTING EVOLUTION - SKETCH #019
Using P-100 Pump Taking Suction from Overboard or Flooded Compartment Suction Lift Less than 20 Feet

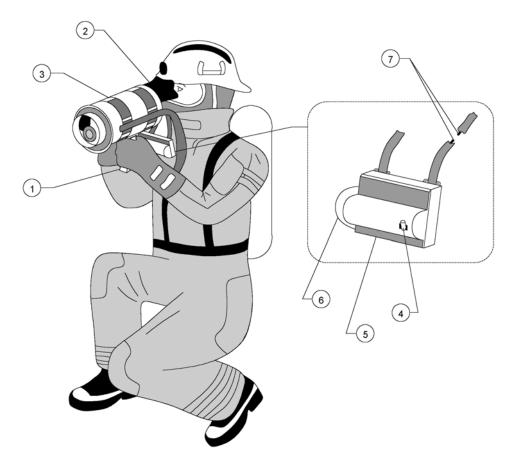
DAMAGE CONTROL LAYOUT SKETCHES

SECTION 9 - NAVAL FIREFIGHTERS' THERMAL IMAGER

SKETCH	TITLE OF SKETCH	SHEET
NO.		NO.
001	Allowing Sight through Dense Smoke and Light Steam to Locate Seat of Fire, in Overhaul Operations and for	9-2
	Search and Rescue of Personnel	
002	Typical Operating Scenario (SCBA)	9-3



NAVAL FIREFIGHTER'S THERMAL IMAGER - SKETCH #001
Allowing Sight through Dense Smoke and Light Steam to Locate Seat of Fire, in Overhaul Operations and for Search and Rescue of Personnel



ITEM	EQUIPMENT
1	REMOVABLE HANDLE
2	VIEWING HOOD
3	HARNESS
4	ON/OFF SWITCH (RED)
5	VOLTAGE STABILIZER UNIT
6	BATTERY CAP
7	CABLE CONCEALED IN HARNESS

NAVAL FIREFIGHTER'S THERMAL IMAGER - SKETCH #003 Typical Operating Scenario (SCBA)

DAMAGE CONTROL LAYOUT SKETCHES

SECTION 10 - PATCHING/PLUGGING EVOLUTION

SKETCH	TITLE OF SKETCH	SHEET
NO.		NO.
001	Use of Wooden Plugs and Wedges in Filling Holes	10-2
002	Plugging with Mattresses	10-3
003	Box Patch	10-4
004	Hinged Plate Patch	10-5
005	Securing Patch with Hook Bolts	10-6
006	Folding T-Patch	10-7
007	Plate Patch	10-8
800	Bucket Patch	10-9
009	Patching and Sealing Crack	10-10
010	Caulking Thin Plating and Torn Seams	10-11
011	Cloth Patch	10-12
012	Emergency Leak Plugging Using Flange Clamp	10-13