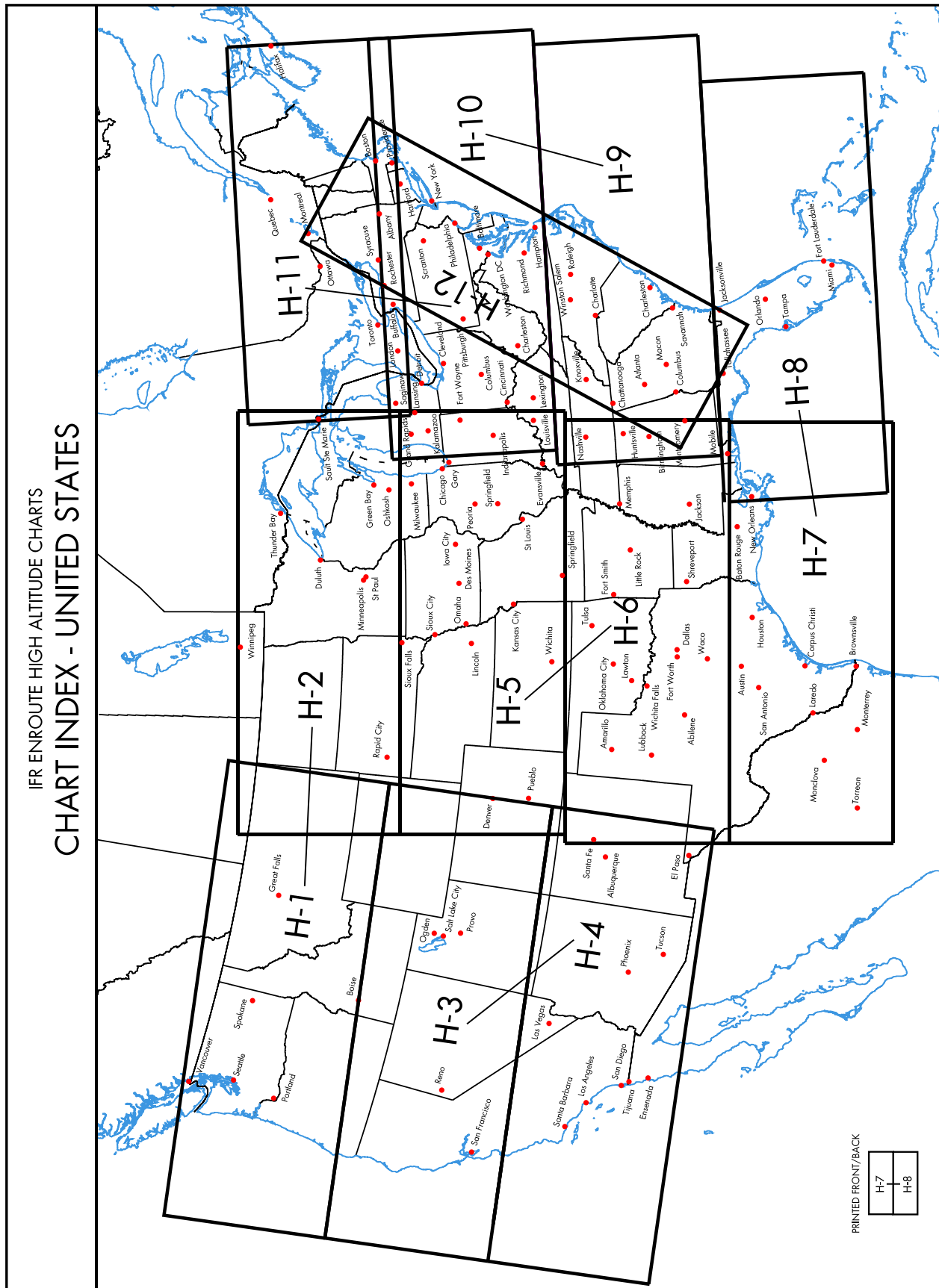
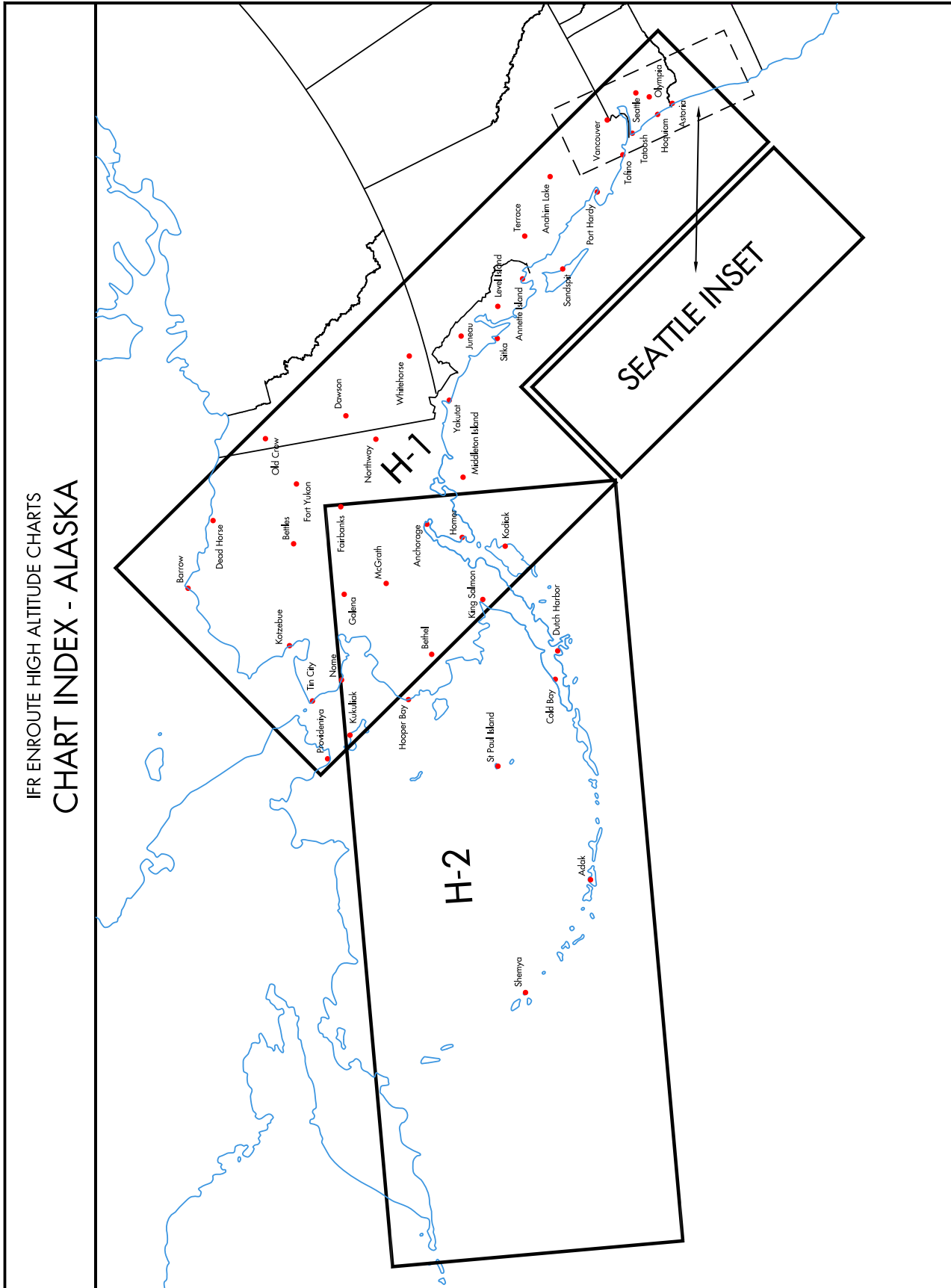


APPENDIX 1
ENROUTE CHART AREA OF COVERAGE - U.S.

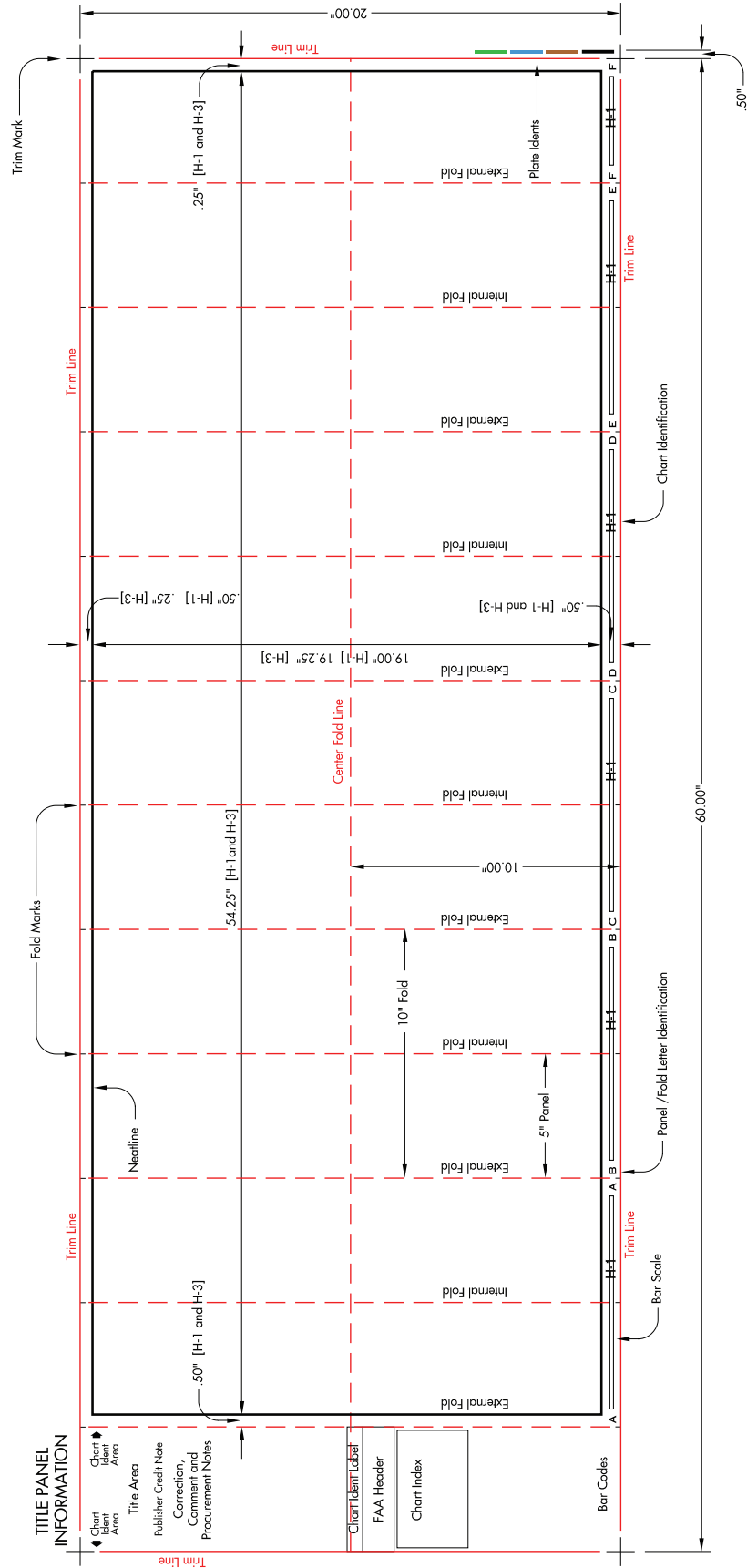


APPENDIX 2 ENROUTE CHART AREA OF COVERAGE - AK



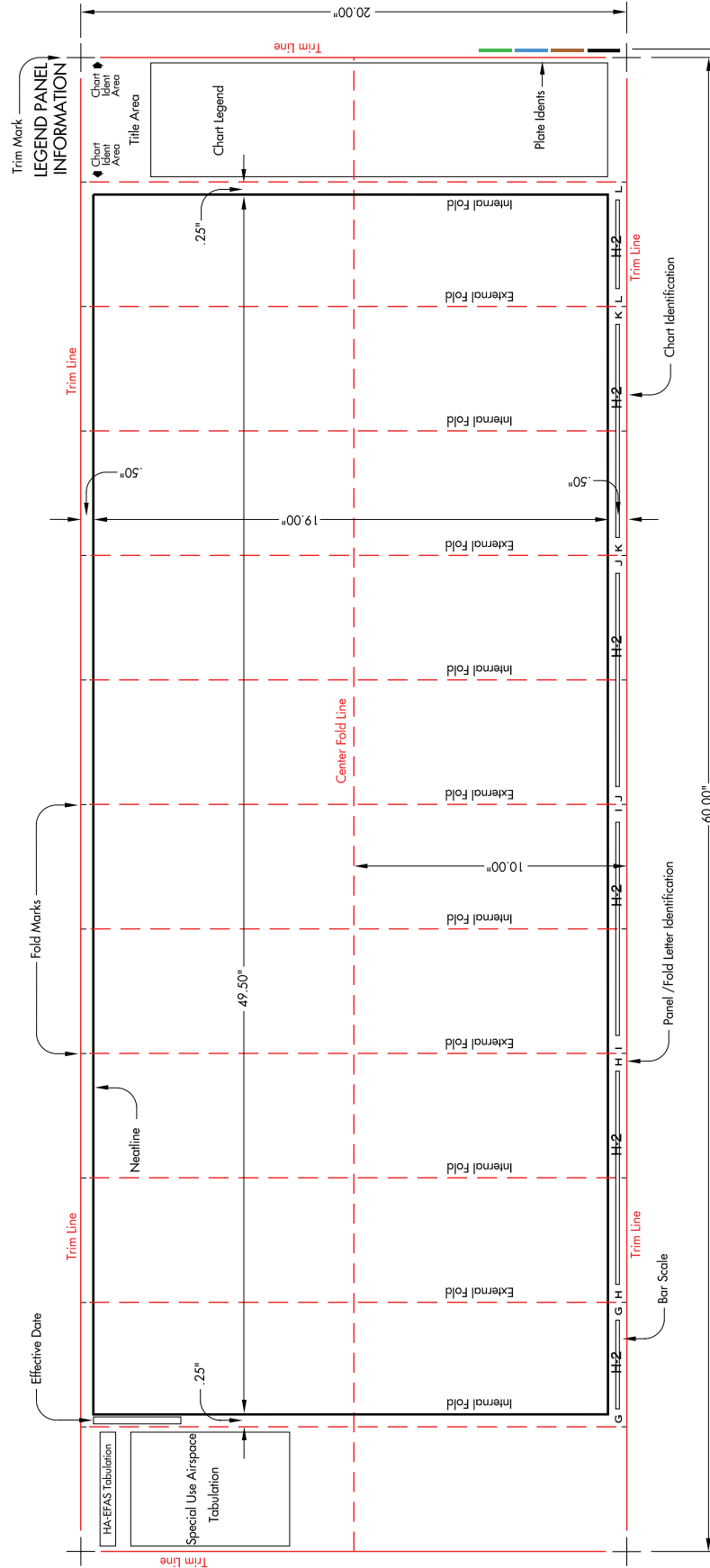
APPENDIX 3 CHART LAYOUT - U.S. H-1, H-3

IFR ENROUTE HIGH ALTITUDE CHARTS CHART LAYOUT U.S. H-1 and H-3



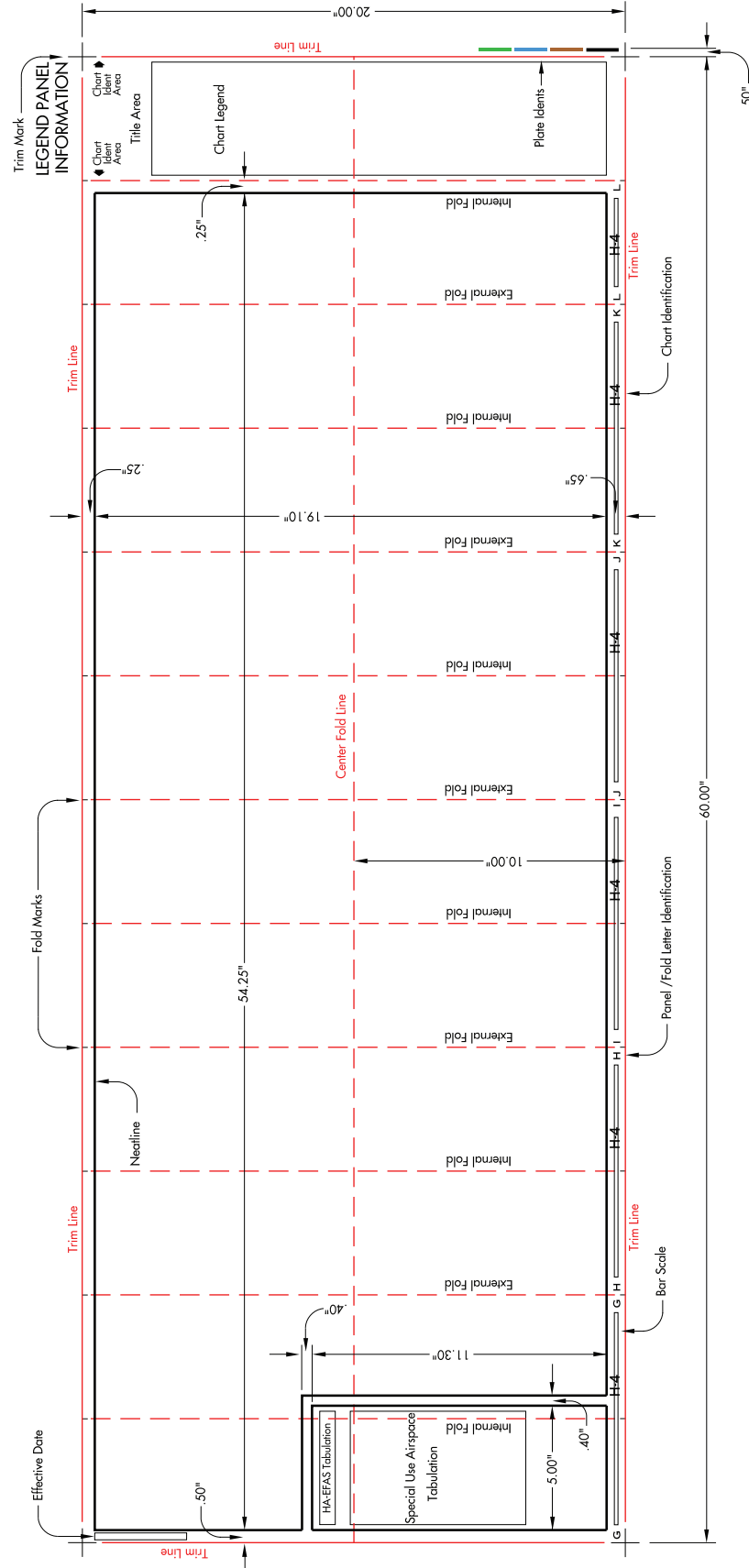
APPENDIX 4 CHART LAYOUT - U.S. H-2

IFR ENROUTE HIGH ALTITUDE CHARTS CHART LAYOUT U.S. H-2



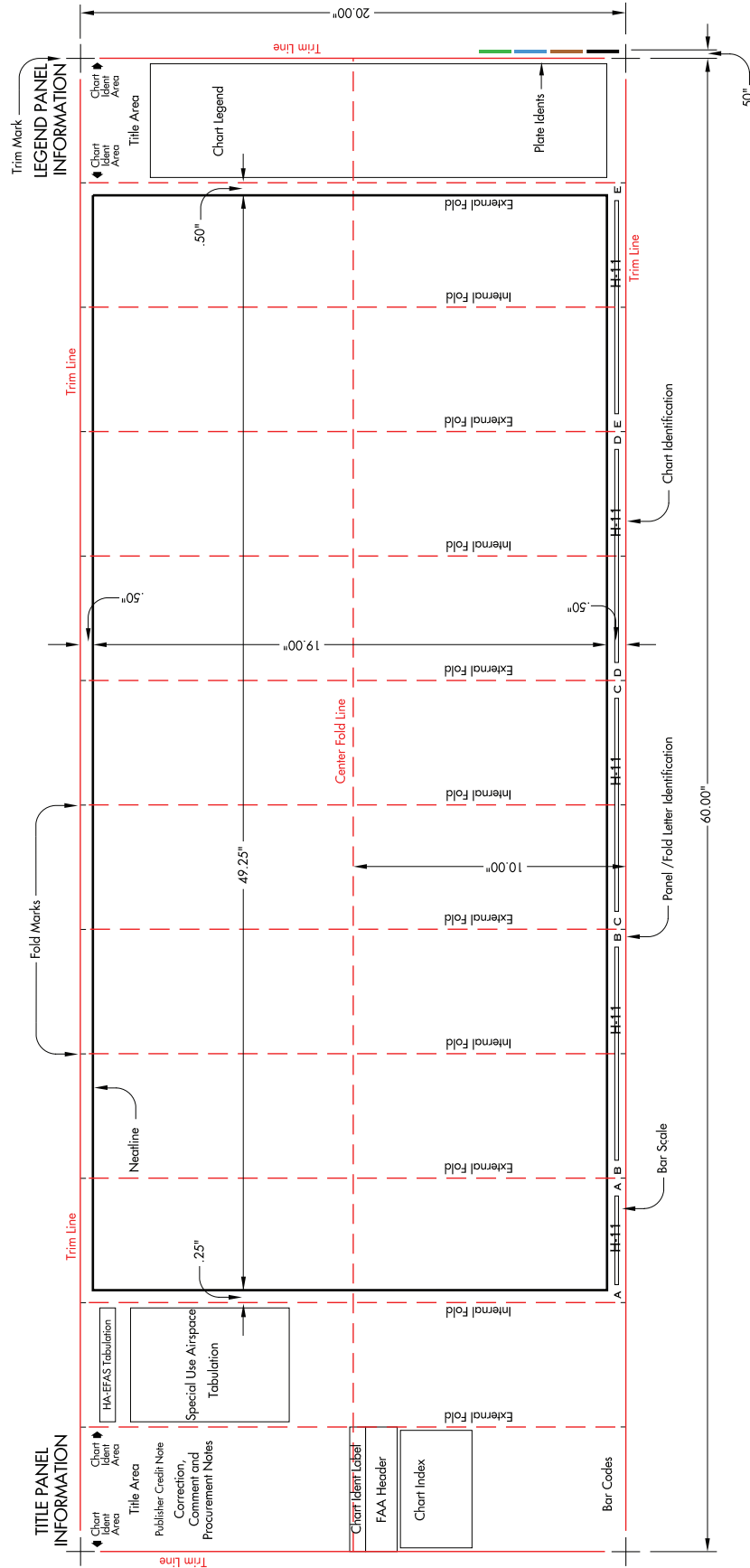
APPENDIX 5 CHART LAYOUT - U.S. H-4

IFR ENROUTE HIGH ALTITUDE CHARTS CHART LAYOUT U.S. H-4



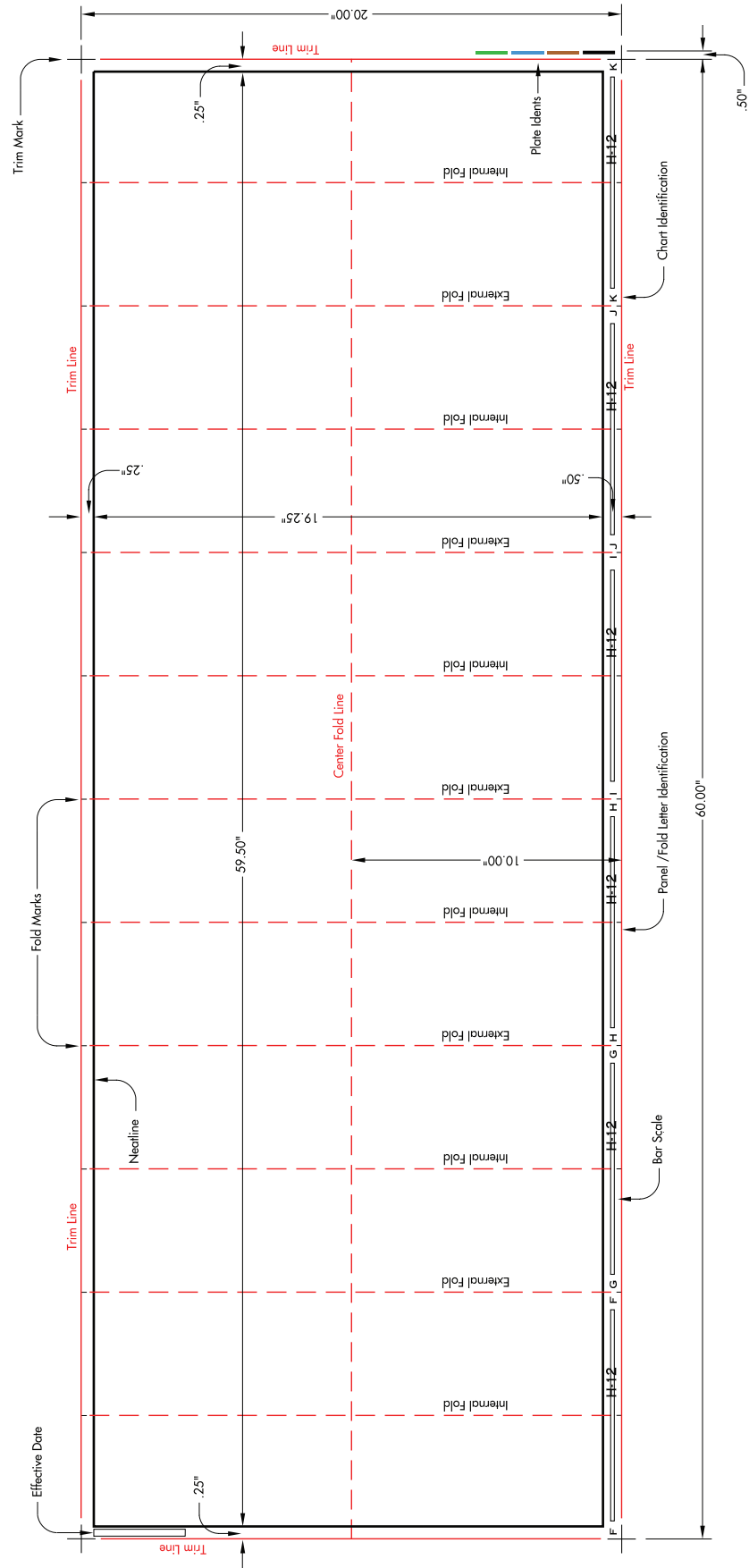
APPENDIX 8 CHART LAYOUT - U.S. H-11

IFR ENROUTE HIGH ALTITUDE CHARTS CHART LAYOUT U.S. H-11



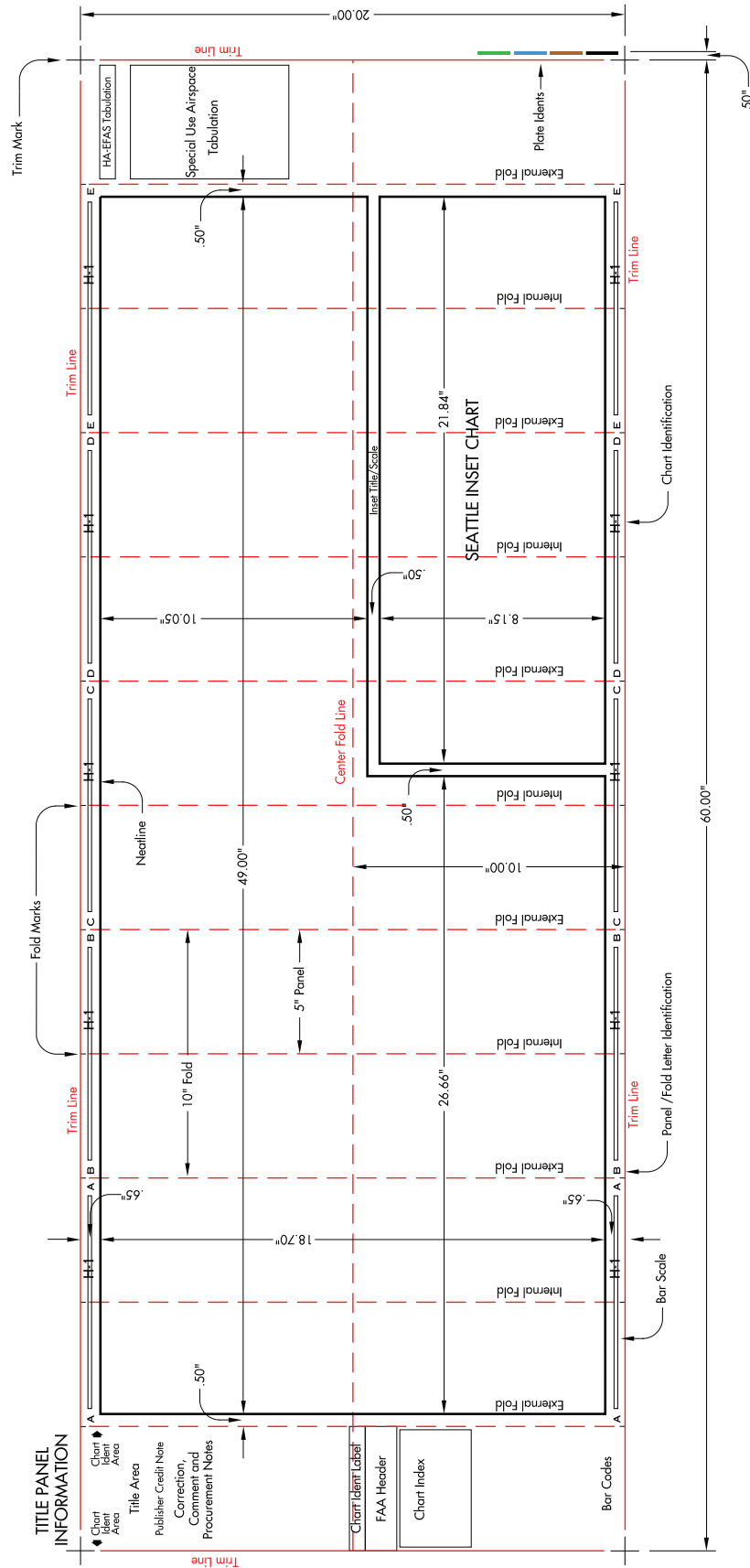
APPENDIX 9 CHART LAYOUT - U.S. H-12

IFR ENROUTE HIGH ALTITUDE CHARTS CHART LAYOUT U.S. H-12



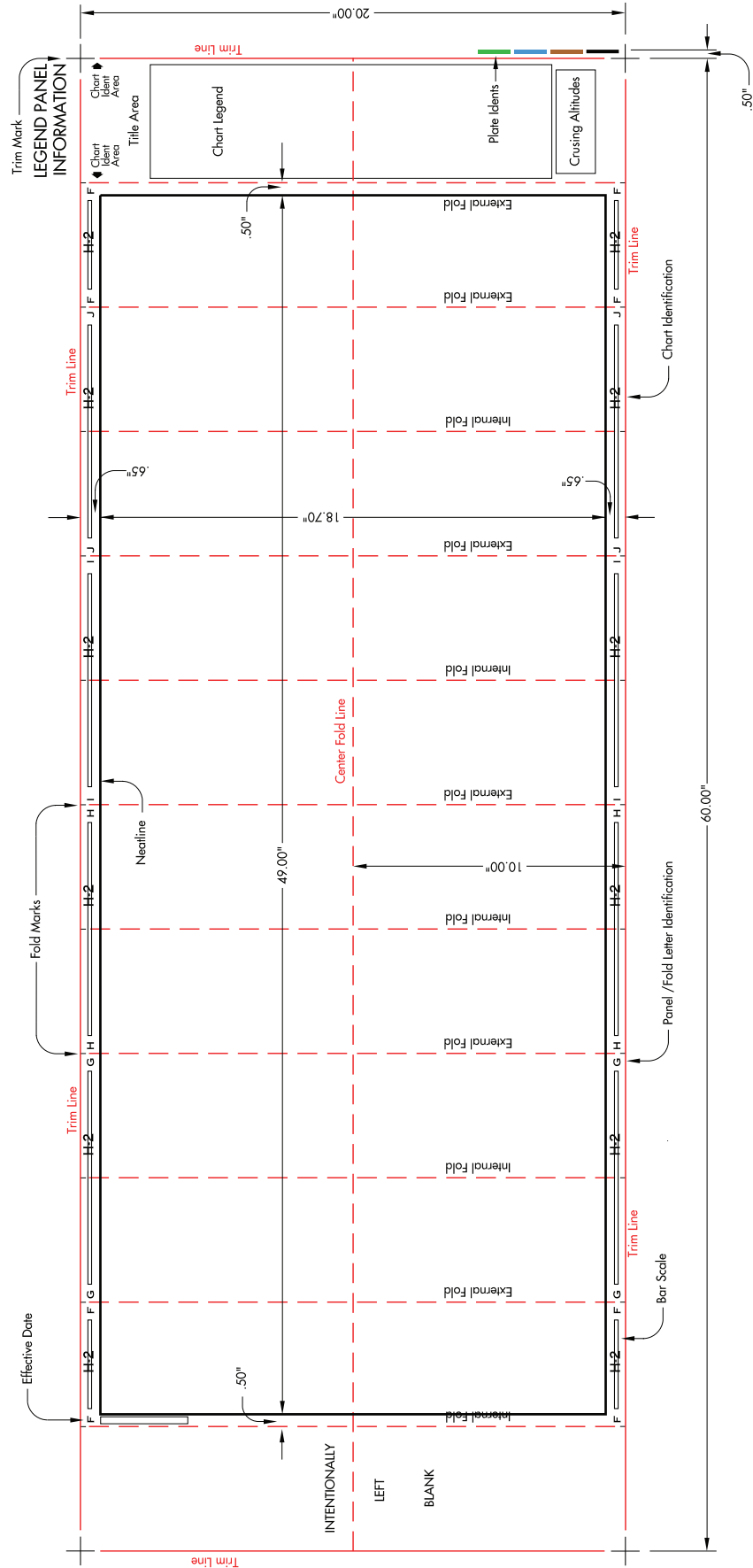
APPENDIX 10
(AK) CHART LAYOUT - AK H-1

IFR ENROUTE HIGH ALTITUDE CHARTS
CHART LAYOUT
ALASKA H-1



APPENDIX 11 (AK) CHART LAYOUT - AK H-2

IFR ENROUTE HIGH ALTITUDE CHARTS CHART LAYOUT ALASKA H-2



APPENDIX 12 SAMPLE ENROUTE TITLE PANELS - U.S. & ALASKA

TRIM LINE

Warning: Refer to current foreign charts and flight information publications for information within foreign airspace.

H-2

PANELS
GHIJKL
1"=20 NM

H-1

PANELS
ABCDEF
1"=20 NM

**UNITED STATES GOVERNMENT
FLIGHT INFORMATION PUBLICATION
IFR ENROUTE HIGH ALTITUDE - U.S.**

For use at and above 18,000 MSL

**EFFECTIVE 0901Z 17 AUG 2017
TO 0901Z 12 OCT 2017**

Consult NOTAMS for latest information
Consult/Subscribe to FAA Safety Alerts and Charting Notices at:

CORRECTIONS, COMMENTS, AND/OR PROCUREMENT

FOR CHARTING ERRORS, OR FOR CHANGES, ADDITIONS, RECOMMENDATIONS ON PROCEDURAL ASPECTS
CONTACT:

Current Corrections, Comments,
and/or Procurement Address

FOR PROCUREMENT CONTACT

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For a list of approved FAA Print Providers, visit our website at:

MILITARY


For Corrections Information, See Chapter 11 of General
Planning (GP). For Procurement refer to DOD Catalog of
Aeronautical Charts and Flight Information Publications.

Frequently asked questions (FAQ) are answered on our web site at
See the FAQ prior to contact via toll free number or email.

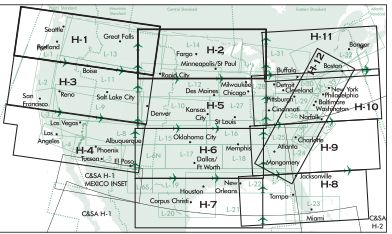
17 AUG 2017

H-1 / H-2


UNITED STATES



**Federal Aviation
Administration**



INSTRUCTIONS FOR ASSEMBLY OF WALL PLANNING CHART
Obtain two copies of each chart.
Assemble charts by marking airplane altitudes printed on each chart.
Published from digital files compiled in accordance with Interagency Air Committee
specifications and agreements approved by Department of Defense - Federal Aviation Administration



FAA Product ID: EHUS1

NSN 7641014005579

NSA REF NO: ENRXXUSHCHT01

EFF DATE: 17229

TRIM LINE

Enroute Chart: H-01 Exported: 21 Jul 2017 - Time: 02:57 PM

CENTER FOLD
LINE

TRIM LINE

Warning: Refer to current foreign charts and flight information publications for information within foreign airspace.

H-2

PANELS
FGHIJK
1"=40 NM

H-1

PANELS
ABCDEF
1"=40 NM

**UNITED STATES GOVERNMENT
FLIGHT INFORMATION PUBLICATION
IFR ENROUTE HIGH ALTITUDE - ALASKA**

For use at and above 18,000 MSL

**EFFECTIVE 0901Z 17 AUG 2017
TO 0901Z 12 OCT 2017**

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Consult/Subscribe to FAA Safety Alerts and Charting Notices at:

CORRECTIONS, COMMENTS, AND/OR PROCUREMENT

FOR CHARTING ERRORS, OR FOR CHANGES, ADDITIONS, RECOMMENDATIONS ON PROCEDURAL ASPECTS
CONTACT:

Current Corrections, Comments,
and/or Procurement Address

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MILITARY


For Corrections Information, See Chapter 11 of General
Planning (GP). For Procurement refer to DOD Catalog of
Aeronautical Charts and Flight Information Publications.

Frequently asked questions (FAQ) are answered on our web site at
See the FAQ prior to contact via toll free number or email.

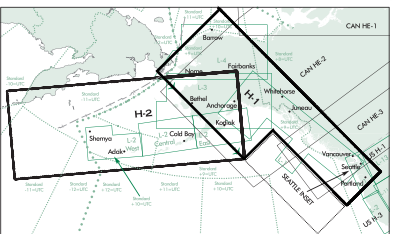
17 AUG 2017

H-1 / H-2


ALASKA



**Federal Aviation
Administration**



INSTRUCTIONS FOR ASSEMBLY OF WALL PLANNING CHART
Obtain two copies of each chart.
Assemble charts by marking airplane altitudes printed on each chart.
Published from digital files compiled in accordance with Interagency Air Committee
specifications and agreements approved by Department of Defense - Federal Aviation Administration



FAA Product ID: EHAK1

NSN 7641014109606

NSA REF NO: ENRXXAKHCHT1

EFF DATE: 17229

TRIM LINE

Enroute Chart: AK_H-1 Exported: 25 May 2007 @ 07:02:59 PM

CENTER FOLD
LINE

APPENDIX 13
CHART IDENTIFICATION AND TITLE AREA - U.S. & ALASKA

Panel
C/L

TRIM LINE

Warning: Refer to current foreign charts and flight information publications for information within foreign airspace.

H-2

PANELS
GHIJKL
1"=20 NM

H-1

PANELS
ABCDEF
1"=20 NM

**UNITED STATES GOVERNMENT
FLIGHT INFORMATION PUBLICATION**

IFR ENROUTE HIGH ALTITUDE - U.S.

For use at and above 18,000' MSL

**EFFECTIVE 0901Z 17 AUG 2017
TO 0901Z 12 OCT 2017**

Consult NOTAMs for latest information

Consult/Subscribe to FAA Safety Alerts and Charting Notices at:
Current URL

CORRECTIONS, COMMENTS, AND/OR PROCUREMENT

FOR CHARTING ERRORS, OR FOR CHANGES, ADDITIONS, RECOMMENDATIONS ON PROCEDURAL ASPECTS
CONTACT:

Corrections, Comments,
and/or
Procurement Address

TRIM LINE

FOLD LINE

APPENDIX 13
CHART IDENTIFICATION AND TITLE AREA - U.S. & ALASKA (CONTINUED)

<p>WARNING NOTE</p> <p>Box Lineweight</p>	<p>.07" Futura Medium (C/L)/ Black</p> <p>.008" / Black</p>	<p>Warning: Refer to current foreign</p> <div style="border: 1px solid black; width: 150px; height: 15px; margin: 5px auto;"></div>
<p>CHART IDENTIFICATION</p> <p>Chart Number</p> <p>Panel Identifications</p> <p>Chart Scales</p> <p>Arrowheads</p>	<p>.23" Copperplate Gothic (Caps)/ 45% Black (Even), Black (Odd)</p> <p>.07" Copperplate Gothic (Caps)/ 45% Black (Even), Black (Odd)</p> <p>.07" Copperplate Gothic (Caps)/ 45% Black (Even), Black (Odd)</p> <p>45% Black (Even), Black (Odd)</p>	<p style="text-align: center;">H-2 H-1</p> <p style="text-align: center;">PANELS PANELS FGHIJK ABCDE</p> <p style="text-align: center;">1"=20 NM 1"=20 NM</p> <p style="text-align: center;"> </p>
<p>CHART TITLE</p> <p>First and Second Lines</p> <p>Third Line</p>	<p>.11" Futura Medium (Caps)/Black</p> <p>.17" Futura Medium (Caps)/Black</p>	<p style="text-align: center;">UNITED STATES GOVERNMENT</p> <p style="text-align: center;">IFR ENROUTE</p>
<p>ALTITUDE NOTE</p>	<p>.09" Futura Medium (C/L)/Black</p>	<p>For use at and above 18,000' MSL</p>
<p>EFFECTIVE DATE AND TIME NOTE</p> <p>Effective Date</p> <p>"To" Date</p> <p>Times</p>	<p>.17" Helvetica Medium (Caps)/ Blue</p> <p>.13" Helvetica Medium (Caps)/ Blue</p> <p>.11" Helvetica Medium (Caps)/ Blue</p>	<p style="text-align: center;">23 SEP 2010</p> <p style="text-align: center;">18 NOV 2010</p> <p style="text-align: center;">EFFECTIVE 0901Z TO 0901Z</p>
<p>NOTAM NOTE</p> <p>Lineweight</p>	<p>.07" Futura Medium (C/L)/ Black</p>	<p>Consult NOTAMs for latest Information</p>
<p>SAFETY ALERTS AND CHARTING NOTICES NOTE</p>	<p>.07" Futura Medium (C/L)/ Black</p>	<p>Consult/Subscribe to FAA Safety</p>

**APPENDIX 14
CORRECTIONS, COMMENT, PROCUREMENT - U.S. & ALASKA**

Panel
C/L

TRIM LINE

Warning: Refer to current foreign charts and flight information publications for information within foreign airspace.

H-2
PANELS
GHIJKL
1"=20 NM

**UNITED STATES GOVERNMENT
FLIGHT INFORMATION PUBLICATION
IFR ENROUTE HIGH ALTITUDE - U.S.**
For use at and above 18,000' MSL

**EFFECTIVE 0901Z 17 AUG 2017
TO 0901Z 12 OCT 2017**

Consult NOTAMs for latest Information
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CORRECTIONS, COMMENTS, AND/OR PROCUREMENT

FOR CHARTING ERRORS, OR FOR CHANGES, ADDITIONS, RECOMMENDATIONS ON PROCEDURAL ASPECTS
CONTACT:

Charting Errors, Additions,
Recommendations
Contact Information

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MILITARY

For Corrections Information, See Chapter 11 of General Planning (GP). For Procurement refer to DOD Catalog of Aeronautical Charts and Flight Information Publications.

Frequently asked questions (FAQ) are answered on our web site at
See the FAQs prior to contact via toll free number or email.

H-1
PANELS
ABCDEF
1"=20 NM

TRIM LINE **FOLD LINE**

TYPE & SYMBOL SPECIFICATIONS

CORRECTION, COMMENTS, etc.	.08" Futura Medium (Caps)/Black	CORRECTIONS, COMMENTS.....
Main Heading	.07" Futura Medium (Caps)/Black	FOR CHARTING ERRORS,
Sub Headings	.07" Futura Medium (C/L)/Black	For Corrections Information, See Chapter 11
Additional Text	.07" Futura Medium (C/L)/Black	Frequently asked questions.....
FREQUENTLY ASKED QUESTIONS	.07" Futura Medium (C/L)/Black	

APPENDIX 15
CHART IDENTIFICATION LABELS - U.S. & ALASKA

The image shows a vertical strip of seven chart identification labels for the United States. Each label is a horizontal bar with a black and white diagonal hatched pattern. The labels are arranged vertically and separated by dashed lines. The top label is a blue header with the FAA logo and name. The labels are marked with dashed lines for center, fold, and trim.

Label 1 (Header): H-1/H-2 25 NOV 2004 UNITED STATES Federal Aviation Administration

Label 2: H-3/H-4 25 NOV 2004 UNITED STATES

Label 3: H-5/H-6 25 NOV 2004 UNITED STATES

Label 4: 25 NOV 2004 UNITED STATES H-7/H-8

Label 5: 25 NOV 2004 UNITED STATES H-9/H-10

Label 6: 25 NOV 2004 UNITED STATES H-11/12

TRIM LINE (left vertical dashed line)

CENTER FOLD LINE (top horizontal dashed line)

FOLD LINE (right vertical dashed line)

**APPENDIX 15
CHART IDENTIFICATION LABELS - U.S. & ALASKA (CONTINUED)**



TYPE & SYMBOL SPECIFICATIONS

CHART IDENT LABELS		
Numbers	.13" Copperplate Gothic 31 (Caps)/ Black	H-5/H-6
Date	.11" Copperplate Gothic 31 (Caps)/ Black	25 NOV 2004
Area of Coverage	.11" Copperplate Gothic 31 (Caps)/ Black	UNITED STATES

APPENDIX 16 CHART INDEXING

CHART IDENTIFICATION LABEL

FAA LOGO / BANNER

TRIM LINE

FOLD LINE

INSTRUCTIONS FOR ASSEMBLY OF WALL PLANNING CHART

Obtain two copies of each chart
Assemble charts by matching airplane silhouettes printed on each chart

Published from digital files compiled in accordance with Interagency Air Committee specifications and agreements approved by Department of Defense - Federal Aviation Administration

APPENDIX 16 CHART INDEXING (CONTINUED)












CHART IDENTIFICATION LABEL

FAA LOGO / BANNER

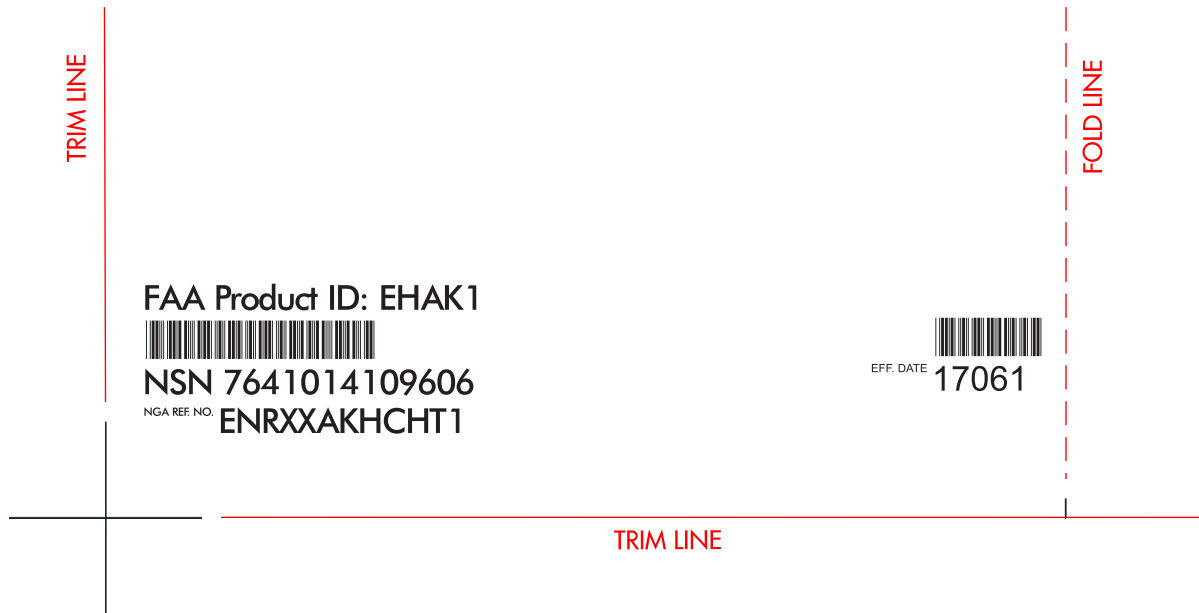
INSTRUCTIONS FOR ASSEMBLY OF WALL PLANNING CHART
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 Assemble charts by matching airplane silhouettes printed on each chart

Published from digital files compiled in accordance with Interagency Air Committee specifications and agreements approved by Department of Defense - Federal Aviation Administration


**APPENDIX 16
CHART INDEXING (CONTINUED)**

<p>CHART IDENTS</p> <p>High Altitude Chart Identis</p> <p>Low Altitude Chart Identis</p> <p>DOD C & SA High Altitude Chart Identis</p> <p>Prominent Cities</p> <p>Time Zones Identifications</p>	<p>.09" Copperplate Gothic 31 (Caps)/Black</p> <p>.06" Futura Medium (Caps)/Black</p> <p>.06" Futura Medium (Caps)/Black</p> <p>.06" Futura Medium (C/L)/Black</p> <p>.04" Futura Medium (C/L)/45%Green</p>	<p>H-1</p> <p>L-5</p> <p>C&SA H-1</p> <p>Washington</p> <p>Central Standard</p>
<p>CHART IDENTS / INSTRUCTIONS</p> <p>High Altitude Chart Outlines</p> <p>Individual High Altitude Chart Outlines</p> <p>Low Altitude Chart Outlines</p> <p>DOD C & SA High Altitude Chart Outlines</p> <p>Chart Index Border</p> <p>Land Areas</p> <p>International Boundaries</p> <p>Prominent Cities Symbols</p> <p>Time Zones Symbols</p> <p>International Dateline (AK)</p> <p>Wall Planning Chart Instructions</p> <p>Registration Marks</p>	<p>.012" /Black</p> <p>.020" /Black</p> <p>.005" /Green</p> <p>.005" /Black</p> <p>.012" /Black</p> <p>10% Green</p> <p>.005"/45% Black</p> <p>.025" Diameter/Black</p> <p>.015" Diameter/45% Green</p> <p>.030" Diameter/45% Green</p> <p>.06" Futura Medium (C/L)/Green</p> <p>Green</p>	<p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p>INSTRUCTIONS FOR ASSEMBLY.....on each chart</p> <p></p>
<p>IAC CREDIT NOTE</p>	<p>.065" Futura Medium/Black</p>	<p>Published from digital files</p>

**APPENDIX 17
BAR CODES**



TYPE & SYMBOL SPECIFICATIONS

<p>PRODUCT INFORMATION</p> <p>FAA Product ID</p> <p>NSN Number</p> <p>“NGA Ref. No.”Type</p> <p>NGA Reference Number</p>	<p>.13” Helvetica Light (Caps)/Black</p> <p>.13” Helvetica Light (Caps)/Black</p> <p>.05” Helvetica Light (Caps)/Black</p> <p>.13” Helvetica Light (Caps)/Black</p>	<p>FAA Product ID: EHAK1</p> <p>NSN 7641014109606</p> <p>NGA REF. NO.</p> <p>ENRXXAKHCHT1</p>
<p>DATE INFORMATION</p> <p>“Eff. Date”Type</p> <p>Julian Date</p>	<p>.05” Helvetica Light (Caps)/Black</p> <p>.13” Helvetica Light (Caps)/Black</p>	<p>EFF. DATE</p> <p>10266</p>
<p>BAR CODES</p>	<p>.15” w39m/Black</p>	

APPENDIX 18 TABULATED DATA AREA - SPECIAL USE AIRSPACE

Panel
C/L

TRIM LINE

SPECIAL USE AIRSPACE

U.S.: P - Prohibited, R - Restricted, W - Warning Areas

All altitudes are MSL unless otherwise indicated ‡ - During periods of Daylight Saving Time (DT) effective hours will be one hour earlier than shown.
 FL - Flight Level
 Time - Hours shown are UTC unless otherwise indicated NOTAM - Use of this term in Restricted Areas indicates FAA And DoD NOTAM systems. Use of this term in all other Special Use areas indicates the DoD NOTAM system.
 Cont - Continuous: 24 hours a day, 7 days a week

NUMBER	EFFECTIVE ALTITUDE	TIMES USED, UTC	CONTROLLING AGENCY A/G CALL	PANEL
P-56	SFC TO 18000	CONT	NO A/G	I
R-2102C	14000 TO 24000	INTMT 1200 - 0400Z‡ DAILY; *1	ZTL	F
R-2903A	SFC TO BUT NOT INCL 23000	INTMT 1200 - 2400Z‡ TUE - SUN; *1	ZJX	F
W-50A,B,C	SFC TO FL 750	INTMT BY NOTAM	ZDC	I
W-72A	SFC TO BUT NOT INCL 2000 ABOVE FL 600 TO UNLTD SFC TO UNLTD	INTMT BY NOTAM	ZDC	I
W-102H	17001 TO FL 600	INTMT BY NOTAM	ZBW	DE
W-104C	FL 180 TO UNLTD	INTMT BY NOTAM	ZBW	DE,K
W-105A	SFC TO FL 500	INTMT BY NOTAM	ZBW	JK
W-105B	SFC TO FL 180	INTMT BY NOTAM	ZBW	J
W-161A N	SFC TO FL 620	SR - 0600Z‡ DAILY	ZJX	G
W-161A S	SFC TO FL 620	SR - 0600Z‡ DAILY	ZJX	G
W-177A	SFC TO FL 500	SR - 0600Z‡ DAILY	ZJX	G,H
W-386	SFC TO UNLTD	INTMT BY NOTAM	ZDC	I,J

*1 Other Times By NOTAM

CANADA: CYA - Advisory, CYD - Danger, CYR - Restricted Areas

NUMBER	EFFECTIVE ALTITUDE	TIMES USED, UTC	CONTROLLING AGENCY A/G CALL	PANEL
CYA521	7000 TO FL 250	OCNL BY NOTAM	TORONTO ACC	B
CYA530	3000 ASL TO FL500	OCNL DALGT BY NOTAM	TORONTO ACC	B,C,J,K
CYD703	SFC TO FL 300	OCNL BY NOTAM	MONCTON ACC	E
CYD734	SFC TO FL 200	CONT	MONCTON ACC	E
CYD735	SFC TO FL 200	BY NOTAM	MONCTON ACC	E
CYD736	SFC TO FL 200	BY NOTAM	MONCTON ACC	E
CYD737	SFC TO FL 200	BY NOTAM	MONCTON ACC	E
CYD739	SFC TO FL 300	BY NOTAM	MONCTON ACC	E
CYD743	SFC TO FL 300	BY NOTAM	MONCTON ACC	E
CYR511	SFC TO FL 200	CONT	DUTY CENTRE	B,C
CYR540	3000 TO FL 180	OCNL BY NOTAM	CFB PETAWAWA RANGE CTL	B
CYR541	3000 TO FL 180	OCNL BY NOTAM	CFB PETAWAWA RANGE CTL	B
CYR542	1000 TO FL 180	OCNL BY NOTAM	CFB PETAWAWA RANGE CTL	B

TRIM LINE or FOLD LINE

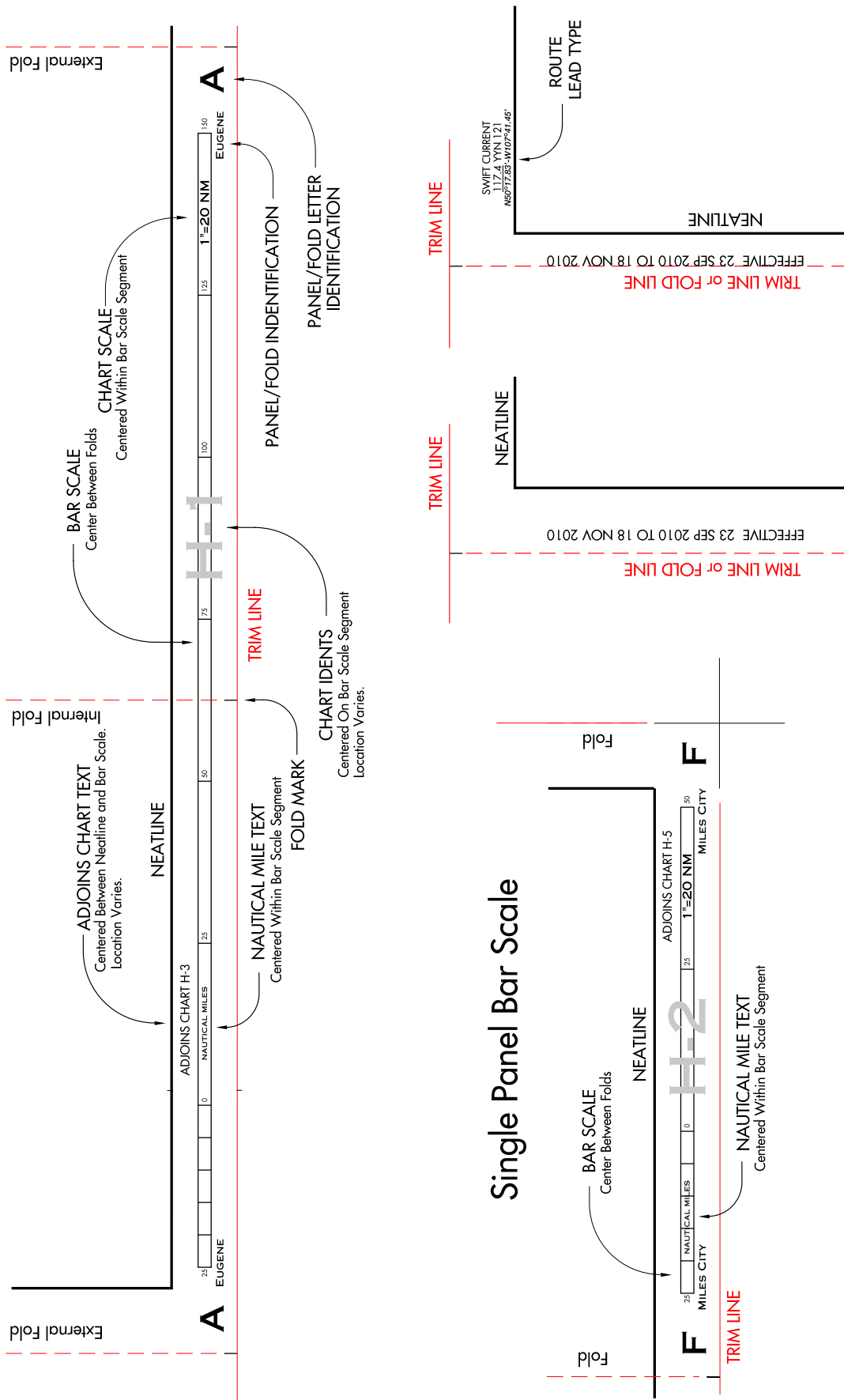
TRIM LINE or FOLD LINE

**APPENDIX 18
TABULATED DATA AREA - SPECIAL USE AIRSPACE**

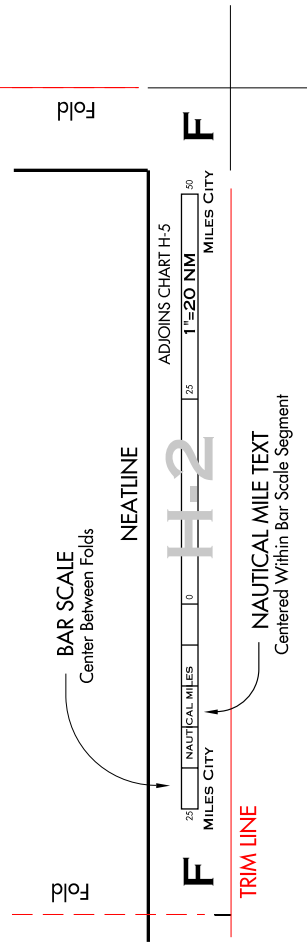
<p>TITLE</p> <p>Main Heading</p> <p>Secondary Heading</p> <p>Additional Text</p>	<p>.07" Copperplate Gothic 31 (Caps)/ Black</p> <p>.06" Futura Medium (Caps)/ Black</p> <p>.06" Futura Medium (C/L)/ Black</p>	<p>SPECIAL USE AIRSPACE</p> <p>P - Prohibited, R - Restricted, W - Warning Areas....</p> <p>All altitudes are MSL unless otherwise indicated....</p>
<p>TABULATION</p> <p>Column Headings</p> <p>Tabulated Information</p> <p>Box Lineweight</p>	<p>.05" Futura Medium (CAPS)/ Black</p> <p>.05" Futura Medium (CAPS)/ Black</p> <p>.008" Black</p>	<p>NUMBER</p> <p>R-4201A</p> <div data-bbox="1286 915 1365 947" style="border: 1px solid black; width: 50px; height: 15px; margin-left: auto; margin-right: auto;"></div>

APPENDIX 20
MARGIN INFORMATION


Two Panel Bar Scale



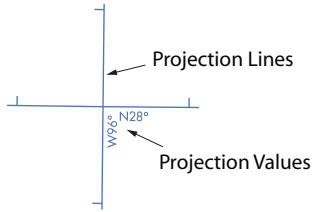
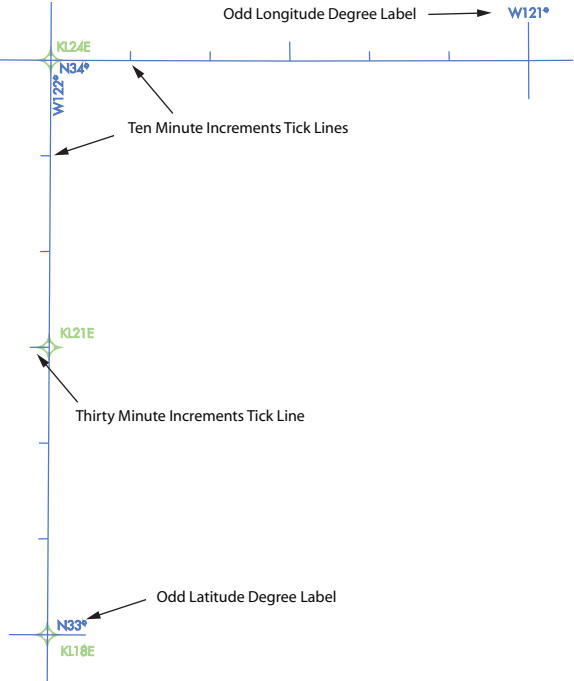
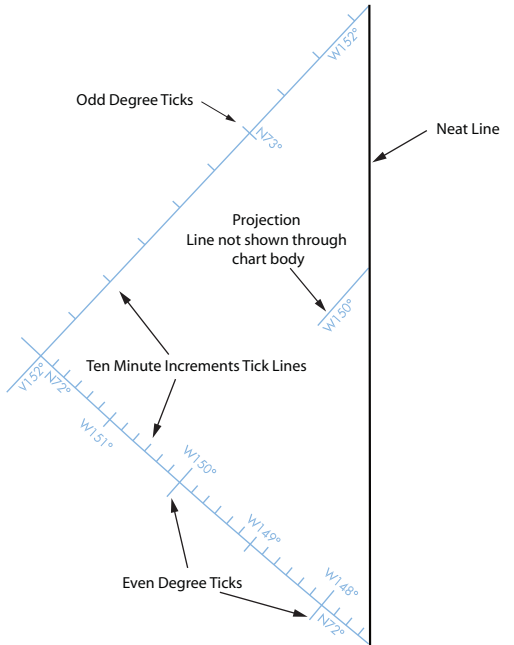
Single Panel Bar Scale



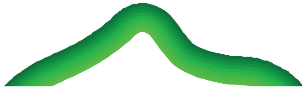
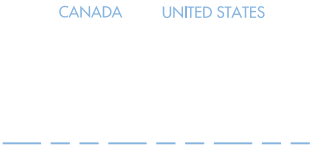




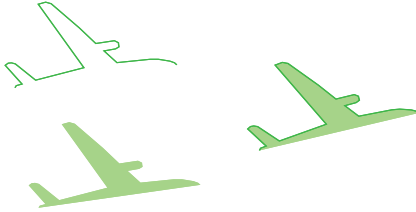
APPENDIX 20
MARGIN INFORMATION (CONTINUED)

MARGIN INFORMATION			
BAR SCALE INFORMATION			
Mileages		.04" Futura Medium/Black	25
Bar Scale Lineweights		.008"/Black	
Chart Scales	CAPS	.07" Copperplate Gothic 31/Black	1"=20 NM
"NAUTICAL MILES" Text	CAPS	.04" Copperplate Gothic 31/Black	NAUTICAL MILES
PANEL/FOLD IDENTIFICATION			
Letter Identification	CAPS	.19" Copperplate Gothic 31/Black	A
City or NAVAID Identification	CAPS	.06" Copperplate Gothic 31/Black	EUGENE
CHART IDENTIS			
Chart Identification	CAPS	.29" Copperplate Gothic 31/45% Black	H-1
Fold Mark Weight /Length		.007"/.100" Length/Black	
CHART MARGIN INFORMATION			
Adjoins Chart Text	CAPS	.07" Futura Medium/Black	ADJOINS CHART H-3
Effective Date			EFFECTIVE 23 SEP 2010 ...
ROUTE LEAD TYPE			
Route Text	CAPS	.06" Futura Medium	BUNNZ TAPDO KETTL
Route Text - Color		Same as associated NAVAID or fix	
Coordinates	CAPS	.06" Helvetica 66 Medium Italic	
Color: VHF/UHF		Black	N57°37.80'-E163°41.80'
Color: LF/MF		Brown	N48°58.00'-W118°18.10'

**APPENDIX 21
PROJECTION TYPE AND SYMBOL SPECIFICATIONS**

CHART DETAIL			
<p>PROJECTION</p> <p>Projection Values (All Charts)</p> <p>Projection Lines (All Charts)</p> <p>Projection Color and Lines</p>	<p>CAPS</p>	<p>.05" Futura Medium</p> <p>45% Blue .007"</p> <p>45% Blue</p>	
<p>LATITUDE/LONGITUDE - U.S.</p> <p>Ten Minute Tick Lines</p> <p>Thirty Minute Tick Lines</p> <p>Odd Degree Tick Lines</p>		<p>.05" Length</p> <p>.10" Length</p> <p>.40" Length</p>	
<p>LATITUDE / LONGITUDE (AK)</p> <p>Ten Minute Tick Lines</p> <p>Even Degree Tick Lines</p> <p>Odd Degree Tick Lines</p> <p>Even Degree Lat. & Long. Degree Tick Marks not shown through chart body</p> <p>Even Degree Lat. & Long. Projection Values position</p>		<p>.05" Length</p> <p>.20" Length</p> <p>.10" Length</p> <p>.40" Length</p> <p>.10" in from neatline</p>	






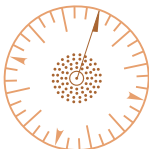
**APPENDIX 22
BASE DETAIL TYPE & SYMBOL SPECIFICATIONS**

CHART DETAIL - BASE DETAIL			
SHORELINE		Green Vignette Approximately .15" wide	
INTERNATIONAL BOUNDARY Boundary Identification Text Text Text - Color Lineweight Lineweight - Color	CAPS	.06" Futura Medium 45% Blue .015" 45% Blue	
U.S./Russian Maritime Boundary Boundary Identification Text Text Text - Color Lineweight Lineweight - Color	CAPS	.06" Futura Medium 45% Blue .015" 45% Blue	
TIME ZONES Time Zone Text Text Text - Color Time Zone Symbol	C/L	.05" Futura Medium 45% Green 45% Green	
INTERNATIONAL DATELINE Dateline Text Text Text - Color Dateline Symbol	CAPS	.05" Futura Medium 45% Green 45% Green	
ISOGONIC LINES Isogonic Line Text Text Text - Color Isogonic Line Lineweight Color	CAPS	.06" Futura Medium 45% Green .005" 45% Green	
REGISTRATION GUIDE MARKS Silhouette Outline Lineweight Color Silhouette Total Silhouette Length		.008" Green 10% Green 1"	

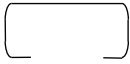



**APPENDIX 23
AIRPORT INFORMATION TYPE & SYMBOL SPECIFICATIONS**

CHART DETAIL - AIRPORTS				
.06" Futura Medium (Caps)/ Green/Blue/Brown	<p>Airport Data - U.S. Charts</p>		<p>Airport Data - AK Charts</p>	
	AIRPORT DATA (U.S. and Alaska)			
First Line MON Airport Designation	CAPS	.06" Reverse Negative/ Futura Medium/Green/Blue	MON	
Second Line Associated City Name(s)	CAPS	.06" Futura Medium	CITY	
Third Line Airport Name	C/L	.06" Futura Medium	Airport Name	
Fourth Line FAA Airport Identifier	CAPS	.06" Futura Medium	(APT)	
ICAO Identifier (AK ONLY)	CAPS	.06" Futura Medium	(ICAO)	
AIRPORT DATA (Alaska)				
Fifth Line Airport Elevation and Runway Length		.06" Futura Medium	00	
Runway Surface	L/C	.06" Futura Medium	s	
Sixth Line ATIS/AFIS	CAPS	.06" Futura Medium	000.0	
ATIS/AFIS Frequency		.06" Futura Medium	(A)	
AIRPORT COLOR (U.S. and Alaska)				
Airports with...			U.S.	Alaska
Approved IAP		Green	ELLENSBURG Bowers Fld (ELN)	KOTZEBUE Ralph Wien Mem (OTZ) (PAOT) 14 59 (A) 135.45
Approved IAP & in High Altitude DoD Flips		Blue	Sheppard AFB/ Wichita Falls Muni (SPS)	Whidbey Island NAS/Auli Fld (NUW) 47 80 (A) *134.15 *281.5
Airports without Approved IAP or RADAR MINIMA		Brown	KELLOGG Shoshone Co (S83)	Donlin Creek Pvt (Ø1AA) (PFCR) 750 49s





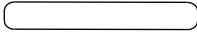

**APPENDIX 24
NAVAIDS - NORTH ARROWS AND COMPASS ROSES**

NAVAIDs - NORTH ARROWS & COMPASS ROSE					
		VHF/UHF	LF/MF	VHF/UHF	LF/MF
NAVAID North Arrows Lineweight Color		.010"			
		Black	Brown		
NAVAID Compass Rose Lineweight Color		.010"			
		25% Black	Brown		
Size		Reduced Size 0.75"	Normal 1"		
VHF/UHF					
LF/MF					

**APPENDIX 25
NAVAID IDENTIFICATION BOXES**

NAVAIDs - IDENTIFICATION BOXES					
	CAPS	VHF/UHF	LF/MF	VHF/UHF	LF/MF
		NAVAID Identification Box Data Font & Size Color		.07" Futura Medium Black	Brown
No Voice Underline Color		.007" Black	Brown	—	—
Box Lineweight Color		.010" Black	Brown		
Geographic Coordinates Color	CAPS	.05" Futura Medium Italic Black	Brown	N45°48.51' W108°37.48'	N45°48.51' W108°37.48'
Abnormal Status Lineweight Color		45 % Black .005"	45% Brown		

**APPENDIX 26
FSS/RCO TYPE & SYMBOL SPECIFICATIONS**

FLIGHT SERVICE STATIONS (FSS) & REMOTE COMMUNICATION OUTLETS (RCOs)			
FSS Associated with NAVAID Shadow Box			
Color - VHF/UHF		Black	
Color - LF/MF		Brown	
Color - Off Route		45% Black	
FSS Stand Alone Shadow Box			
Color		Black	
RCO Box Lineweight			
Color		Black	
Lineweight		.007"	
FSS/RCO Name	CAPS	.07" Futura Medium	BURLINGTON
Color		Black	
"L" Brackets Lineweight			
Color		Black	
Lineweight		.012"	
Frequencies			122.1R
Color		.06" Futura Medium Black	
Operational Hours	CAPS	.05" Futura Medium	FSS AVAILABLE 1330-0730Z†
Color		Black	










APPENDIX 27
AUTOMATED WEATHER BROADCAST SYSTEM TYPE & SYMBOL SPECIFICATIONS

AUTOMATED WEATHER BROADCAST SYSTEM			
AUTOMATED WEATHER BROADCAST SYSTEM		Color same as associated NAVAID	ASOS/AWOS
Color - VHF/UHF		Black	Ⓐ
Color - LF/MF		Brown	Ⓐ




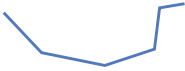




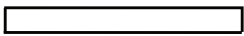
**APPENDIX 28
AIRSPACE INFORMATION TYPE & SYMBOL SPECIFICATIONS**

AIRSPACE INFORMATION			
GENERAL ATS AREA INFORMATION			
ATS Data Color Box Lineweight Color Vertical Limit Lineweight Color Pointer Color	CAPS	.06" Futura Medium 45% Blue .015" 45% Blue .007" 45% Blue .007" 45% Blue	
U.S. AIRSPACE NOTES			
Type Color	CAPS	.05" Futura Medium 45% Blue	FAA AIR TRAFFIC SERVICE OUTSIDE U.S. AIRSPACE IS
FOREIGN AIRSPACE NOTES - CANADA			
Canadian Current Source Note Color	CAPS	.06" Futura Medium Black	NOTE: REFER TO CURRENT CANADIAN CHARTS ...
Canadian Airspace Classification Note & Canadian Southern Control Area Note Color	CAPS	.05" Futura Medium Black	AIRSPACE CLASSIFICATION (SEE CANADA FLIGHT ...
Box Lineweight Color		.015" Black	
FOREIGN AIRSPACE NOTES - MEXICO			
Mexican Airspace Effective Note Color	CAPS	.06" Futura Medium Black	MEXICAN HIGH ALTITUDE
Altimeter Setting Note Color	CAPS	.05" Futura Medium Black	ALTIMETER SETTING WITHIN MONTERREY ACC ...
Mexican "Repot to FAA" Note Color	CAPS	.05" Futura Medium Black	REPORT TO FAA RADIO ...
Box Lineweight Color		.015" Black	
FOREIGN AIRSPACE NOTES - ALL EXCLUDING CANADA			
Foreign Airspace Note - DoD Color	CAPS	.06" Futura Medium Black	DOD USERS ...
Box Lineweight Color		.015" Black	
FOREIGN AIRSPACE NOTES - HAVANA FIR & OTHER MISC NOTES			
Color	CAPS	.05" Futura Medium Black	CAUTION: ACCURACY OF ...















APPENDIX 28
AIRSPACE INFORMATION TYPE & SYMBOL SPECIFICATIONS (CONTINUED)

AIRSPACE INFORMATION			
UNCONTROLLED AIRSPACE		10 % Brown	
ADIZ Name Color Lineweight Color	CAPS	.06" Futura Medium 45% Blue .010" 45 % Blue	CANADA ADIZ 
CTA/UTA/ OCA Name Color Vertical Limits Color Lineweight Color	CAPS	.06" Futura Medium 45% Blue .05" Futura Medium 45% Blue .015" 45% Blue	GULF OF MEXICO HIGH CONTROL TO FL 600 
FIR/UIR Name Color Continuous Lineweight Color Tick Weight Color Tick Height Color Tick Spacing Color	CAPS	.06" Futura Medium 45% Blue .015" 45 % Blue .015" 45 % Blue .080" 45 % Blue .54" 45 % Blue	TORONTO FIR CZYZ    
ARTCC Name Color CPDLC Name Color Lineweight Color	CAPS CAPS	.06" Futura Medium 45% Blue .06" Futura Medium 45% Blue .005" 45% Blue	SEATTLE SALT LAKE CITY CPDLC (LOGON KUSA) 
RCAG ARTCC Name Color Remoted Site Name Color Frequency(s) Color Lineweight Color	CAPS C/L	.06" Futura Medium 45% Blue .06" Futura Medium 45% Blue .06" Futura Medium 45% Blue .005" 45% Blue	ANCHORAGE Kenai 119.7 269.0 










**APPENDIX 28
AIRSPACE INFORMATION TYPE & SYMBOL SPECIFICATIONS (CONTINUED)**

AIRSPACE INFORMATION			
CONTINENTAL CONTROL BOUNDARY Lineweight Color		.025" 10% Brown	
OFFSHORE AIRSPACE AREAS Name Color Vertical Limits Color Lineweight Color	CAPS CAPS	.06" Futura Medium 45% Blue .05" Futura Medium 45% Blue .025" 10 % Brown	PACIFIC HIGH CONTROL TO FL 600 
SPECIAL USE AIRSPACE (SUA) SUA Boundaries Lineweight Width Color Identification Area - Text Font Color Internal Boundaries Lineweight Color Arrowhed Lineweight Color Boundary - Small Area Color Exclusion & Operational Notes Color Lineweight - Exclusion Note Arrowhead Color	CAPS CAPS CAPS	.007" .07" 45% Blue .07" Futura Medium 45% Blue .015" 45 % Blue .007" 45% Blue .07" diameter 45% Blue .05" Futura Medium Black .007" Black	 I R-2501N    W-122 EXCLUDES THE AIRSPACE ABOVE FL 240 
SPECIAL FLIGHT RULES AREA (SFRA) Boundary Lineweight Color Label Color Note Color Box Lineweight Color	CAPS CAPS	.015" 45% Blue .07" Futura Medium 45% Blue .07" Futura Medium Black .015" Black	 WASHINGTON D.C. SPECIAL FLIGHT RULES AREA 

**APPENDIX 29
ROUTES - TYPES**

ROUTES					
SUPPLEMENTARY ROUTE NOTES					
Font Color	CAPS	.05" Futura Medium Black		J108 BETWEEN TCS AND INK	
ROUTE TYPES					
JET ROUTES		VHF/UHF	LF/MF	VHF/UHF	LF/MF
Lineweight & Color		.02"/Black	.06"/25% Brown		
Russian - Lineweight & Color		.06"/Brown			
AIR TRAFFIC SERVICE (ATS) ROUTES		VHF/UHF	LF/MF	VHF/UHF	LF/MF
Lineweight & Color		.06"/25% Black	.06"/25% Brown		
OCEANIC, ATLANTIC & BAHAMA ROUTES					
Lineweight & Color		.02"/Black	.06"/25% Brown		
Route note defined by NAVAID		.02"/Black			
RNAV "Q" ROUTES					
Lineweight & Color		.02"/Blue			
GNSS Note	CAPS	.07" Futura Medium Blue		GNSS REQUIRED	
Font Color					
GULF OF MEXICO "Q" (RNAV) ROUTES					
Lineweight & Color		.060"/Black			
(AK) VOR/DME RNAV ROUTES					
Lineweight & Color		.02"/Black			
TRACKS (CANADA)					
Lineweight & Color		.007"/Black			
UNUSABLE ROUTE SEGMENTS					
Lineweight & Color		.01"/45% Black			
Coincident Airway/Route Unusable Note		.05" Futura Medium/Black		ONLY J91 UNUSABLE	
SUBSTITUTE ROUTES					
Symbol & Color		Brown			
"Unusable"	CAPS	.05" Futura Medium Black		UNUSABLE	
Font Color					








**APPENDIX 30
ROUTES - DATA**

ROUTE DATA					
JET ROUTES Identifier	CAPS	.10" Reverse Negative Futura Medium/Black (May be reduced to .09" in congested areas)		J000	
AIR TRAFFIC SERVICE (ATS) ROUTES Identifier	CAPS	VHF/UHF	LF/MF	VHF/UHF	LF/MF
		Black	Brown	A000	A000
		.07" Futura Medium (May be reduced to .06" in congested areas)			
OCEANIC, ATLANTIC & BAHAMA ROUTES Identifier	CAPS	VHF/UHF	LF/MF	VHF/UHF	LF/MF
		Black	Brown	A000	A000
		.07" Futura Medium (May be reduced to .06" in congested areas)			
Lineweight & Color		.01"/Black	.01"/ Brown		
RNAV "Q" ROUTES	CAPS	.10" Reverse Negative Futura Medium/Blue (May be reduced to .09" in congested areas)		Q000	
GULF OF MEXICO "Q" (RNAV) ROUTES Box Lineweight & Color	CAPS	.07" Futura Medium/Black (May be reduced to .06" in congested areas) .01"/Black		Q100 	
(AK) VOR/DME RNAV ROUTES	CAPS	.07" Futura Medium/Black (May be reduced to .06" in congested areas)		J000R	
TRACKS (CANADA)	CAPS	.07" Futura Medium/Black (May be reduced to .06" in congested areas)		TRACK 13	
SUBSTITUTE ROUTES Box Lineweight & Color	CAPS	.07" Futura Medium/Brown (May be reduced to .06" in congested areas) .01"/Brown		51 	
SINGLE DIRECTION ROUTES Arrowhead for all routes Box Lineweight (ATS, Gulf of Mexico "Q", Oceanic Atlantic and Bahama Routes) Hours of Operation - Font Color	CAPS	Color as appropriate for route type .01"/Color as appropriate for route type .05" Futura Medium Black / Brown / Blue		     1100 0300Z 1100 0300Z 1300 0600Z	











**APPENDIX 30
ROUTES - DATA (CONTINUED)**

ROUTES DATA							
RADIAL & BEARINGS		VHF/UHF	LF/MF	VHF/UHF	LF/MF		
	Arrow and Font Color	Black	Brown				
	Font	.07" Futura Medium (May be reduced to .06" in congested areas)		090°	270		
MAGNETIC REFERENCE BEARINGS	RNAV "Q" Route Bearing	.07" Futura Medium/Blue (May be reduced to .06" in congested areas)			270		
	RNAV "Q" Route Bearing Arrow	Blue					
	Gulf of Mexico "Q" Route Bearing	.07" Futura Medium/Black (May be reduced to .06" in congested areas)			311		
	Gulf of Mexico "Q" Route Arrow	Black					
	Alaska VOR/DME Route Bearing	.07" Futura Medium/Black (May be reduced to .06" in congested areas)			090°		
Minimum Enroute Altitudes (MEA), Minimum Authorized Altitudes (MAA) and Flight Levels (FL)	CAPS	VHF/UHF	LF/MF	RNAV Q	VHF/UHF	LF/MF	RNAV Q
		Black	Brown	Blue	MAA-41000 MEA-24000 FL 180	FL 180	
Altitude and Flight Levels		.07" Futura Medium (May be reduced to .06" in congested areas)					MEA-20000G
RNAV MEA Altitude							
"T" Symbol Color Lineweight	CAPS	VHF/UHF	LF/MF	RNAV Q	VHF/UHF	LF/MF	RNAV Q
		Black	Brown	Blue			
		.015"					
MEA GAP NOTE	CAPS	.05" Futura Medium/Black		MEA GAP			
MCA / MTA	CAPS				VHF/UHF	LF/MF	RNAV Q
		.06" Futura Medium (May be reduced to .05" in congested areas)					
				MCA V142 12000 E	MCA V142 12000 E	MCA V142 12000 E	
MILEAGE DISTANCES	Mileage	.07" Futura Medium / Same color as prescribed for the route to which they pertain (May be reduced to .06" in congested areas)			25 125 125		
	Box Lineweight	.01" /Black (VHF/UHF) Brown (LF/MF)					
	"TO" Note	.05" Futura Medium(Caps) / Same color as prescribed for the routeto which they pertain			TO MWH		
COP Mileage COP "TO" Note		.06" Futura Medium/ Black			35		
		.05" Futura Medium(Caps) / Same color as prescribed for the routeto which they pertain			TO MWH		

**APPENDIX 31
NAVIGATIONAL & PROCEDURAL INFORMATION**

OPERATIONAL NOTES	.05" Futura Medium (Caps)/ Same color as associated fix	COMPULSORY FL 240 AND ABOVE COMPULSORY FL 240 AND ABOVE COMPULSORY A647 ONLY
FLYOVER SYMBOLOGY	Same color as associated fix	
RADIO INTERSECTIONS AND DME FIXES Symbol Name	VHF/UHF (Black) LF/MF (Brown) .06" Futura Medium Italic (Caps) / Same color as associated fix	 AMZIE CRABB
GOEGRAPHIC COORDINATES	.05" Futura Medium Italic (Caps) / Same color as associated fix	N43°06.37' W67°17.17' N42°12.80' W65°45.20'
NON DME RADIO FIXES ARROWS	VHF/UHF (Black) LF/MF (Brown)	
DME RADIO FIXES ARROWS	Black	
DME BOATS Symbol Mileage	Black .07" Futura Medium/ Black (May be reduced to .06" in congested areas)	 15
RADIALS & BEARINGS USED FOR FIX MAKEUP Arrow Values	.007" (VHF/UHF)Black - LF/MF(Brown) .07" Futura Medium/ (VHF/UHF)Black - LF/MF(Brown) (May be reduced to .06" in congested areas)	 090° 090°
FACILITY LOCATOR BOATS Symbol Information	(VHF/UHF)Black - LF/MF(Brown) .06" Futura Medium (Caps)/ (VHF/UHF)Black - LF/MF(Brown)	 112.1 MLF 58 257 SQT

**APPENDIX 31
NAVIGATIONAL & PROCEDURAL INFORMATION (CONTINUED)**

<p>RNAV WAYPOINTS</p> <p>Symbol</p> <p>Name</p> <p>Coordinates</p>	<p>Blue</p> <p>.06" Futura Medium (Caps)/ Blue</p> <p>.05" Futura Medium Italic (Caps)/ Blue</p>	 <p>PHYLS</p> <p>N39°33.03' W72°41.53'</p>
<p>ALASKA VOR/DME WAYPOINTS</p> <p>Symbol</p> <p>Information</p> <p>Box Lineweight</p> <p>Pointer Lineweight</p>	<p>Black</p> <p>.07" Futura Medium (Caps)/ Black</p> <p>.01" / Black</p> <p>.007" / Black</p>	 <p>N57°53.44' W141°45.32' 113.3 YAK 192.0°-117.7</p>  
<p>NRS WAYPOINTS</p> <p>Symbol</p> <p>Name</p>	<p>45 % Green</p> <p>.05" Futura Medium (Caps)/45% Green</p>	 <p>KUJ2M</p>
<p>MRA</p> <p>Symbol</p> <p>Information</p>	<p>.06" Futura Medium (Caps)/ (VHF/UHF)Black - LF/MF(Brown)</p> <p>.06" Futura Medium (Caps)/ (VHF/UHF)Black - LF/MF(Brown) (May be reduced to .05" in congested areas)</p>	 <p>MRA 18000 MRA 18000</p>
<p>NAVAID HOLDING PATTERNS</p> <p>Holding Pattern</p> <p>Radial/Bearing Lineweight</p> <p>Radial/Bearing Value</p> <p>Geographic Coordinates</p>	<p>45 % Black</p> <p>.007" / (VHF/UHF)Black - LF/MF(Brown)</p> <p>.07" Futura Medium/ (VHF/UHF)Black - LF/MF(Brown) (May be reduced to .06" in congested areas)</p> <p>.05" Futura Medium Italic (Caps)/ (VHF/UHF)Black - LF/MF(Brown)</p>	  <p>210 337</p> <p>N47°04.47' W121°30.97' N39°17.12' W69°18.07'</p>
<p>RNAV HOLDING PATTERNS</p> <p>Holding Pattern</p> <p>Magnetic Reference Bearing Lineweight</p> <p>Magnetic Reference Bearing Values</p> <p>Geographic Coordinates</p>	<p>45% /Blue</p> <p>.007" width/ Blue</p> <p>.07" Futura Medium/ Blue (May be reduced to .06" in congested areas)</p> <p>.05" Futura Medium Italic (Caps)/ Blue</p>	  <p>290</p> <p>N27°50.00' W75°25.41'</p>

**APPENDIX 31
 NAVIGATIONAL & PROCEDURAL INFORMATION (CONTINUED)**

<p>CNF</p> <p>Symbol</p> <p>Name</p>	<p>(VHF/UHF)Black - LF/MF(Brown)</p> <p>.06" Futura Medium (Caps)/ (VHF/UHF)Black - LF/MF(Brown)</p>	<p>x x</p> <p>(JBBDT) (JBBDT)</p>
<p>TRANSITIONAL INFORMATION</p>	<p>.11" Futura Medium (Caps)/ Brown</p>	<p>ROUTES AND ASSOCIATED</p>
<p>SEATTLE INSET</p> <p>Text</p> <p>Dash Lineweight</p>	<p>.09" Futura Medium (Caps)/ Green</p> <p>.04" /45% Green</p>	<p>SEE SEATTLE INSET CHART FOR DETAIL</p> <p>— — — —</p>