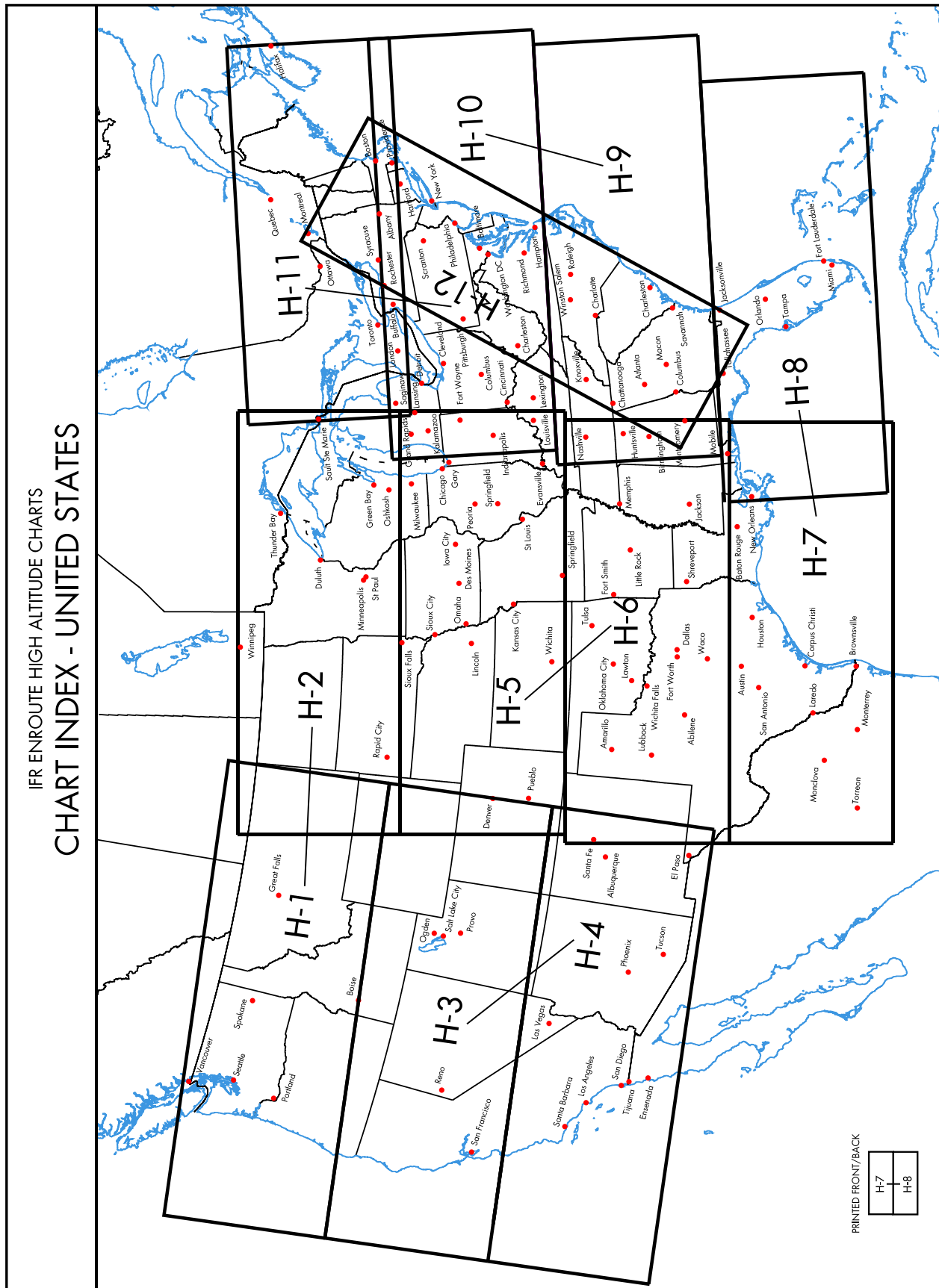


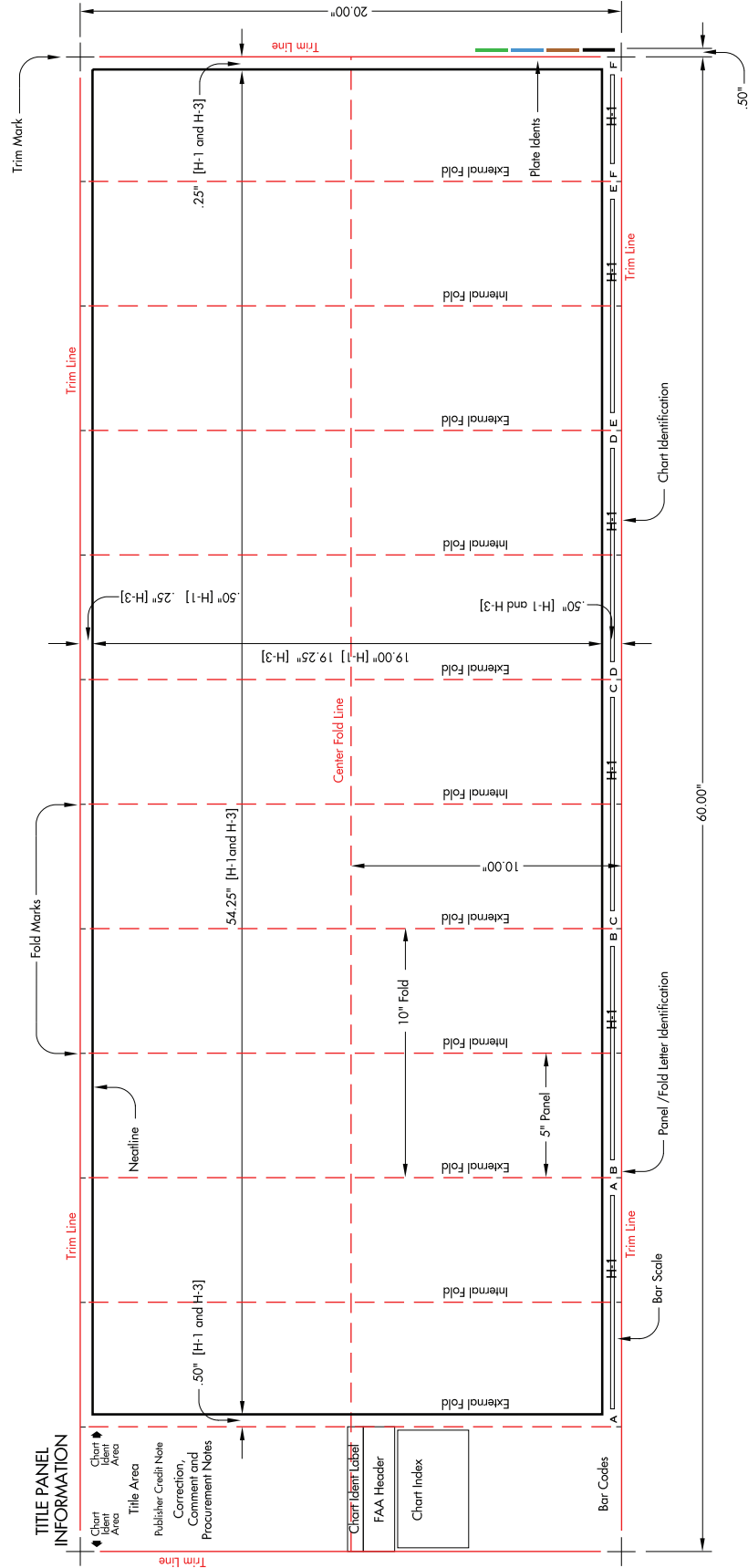
APPENDIX 1  
ENROUTE CHART AREA OF COVERAGE - U.S.





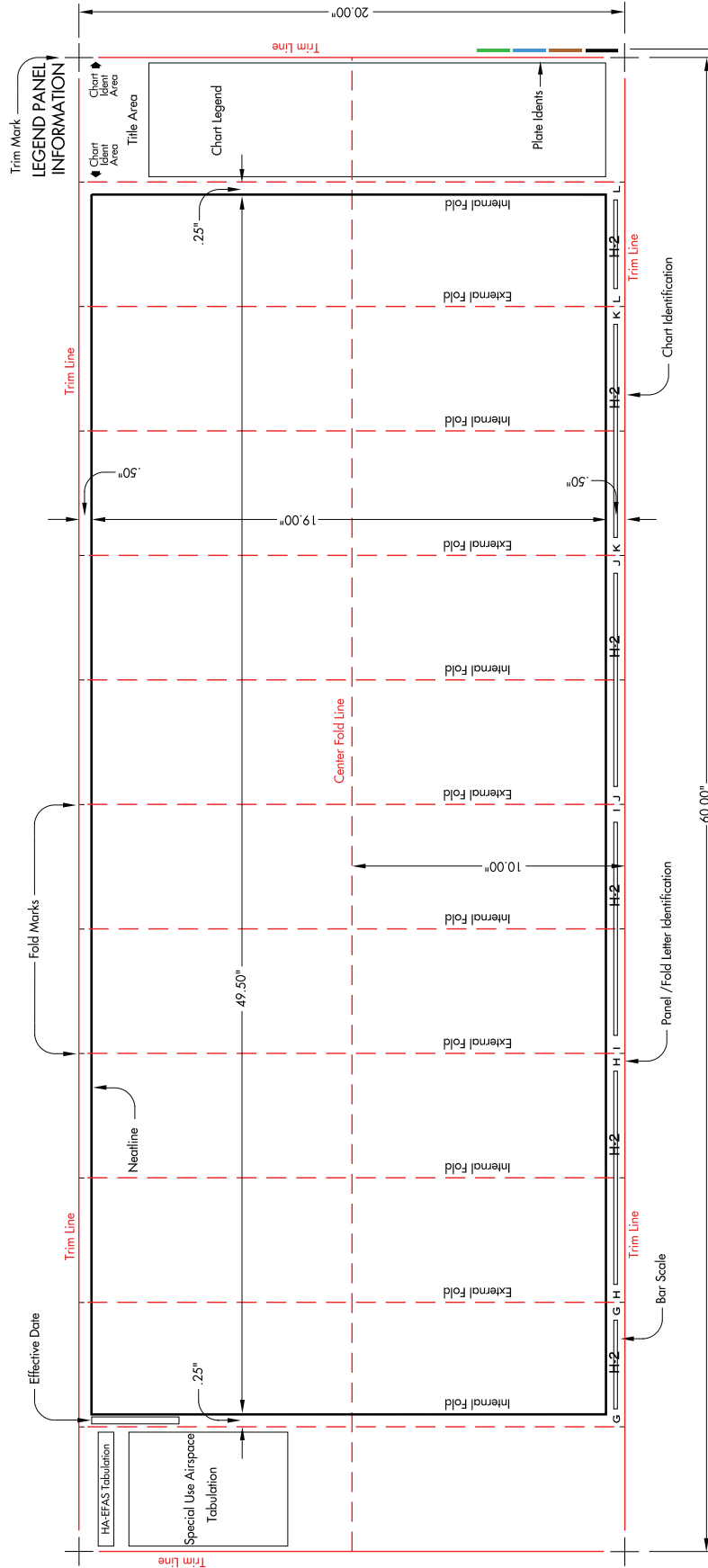
### APPENDIX 3 CHART LAYOUT - U.S. H-1, H-3

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



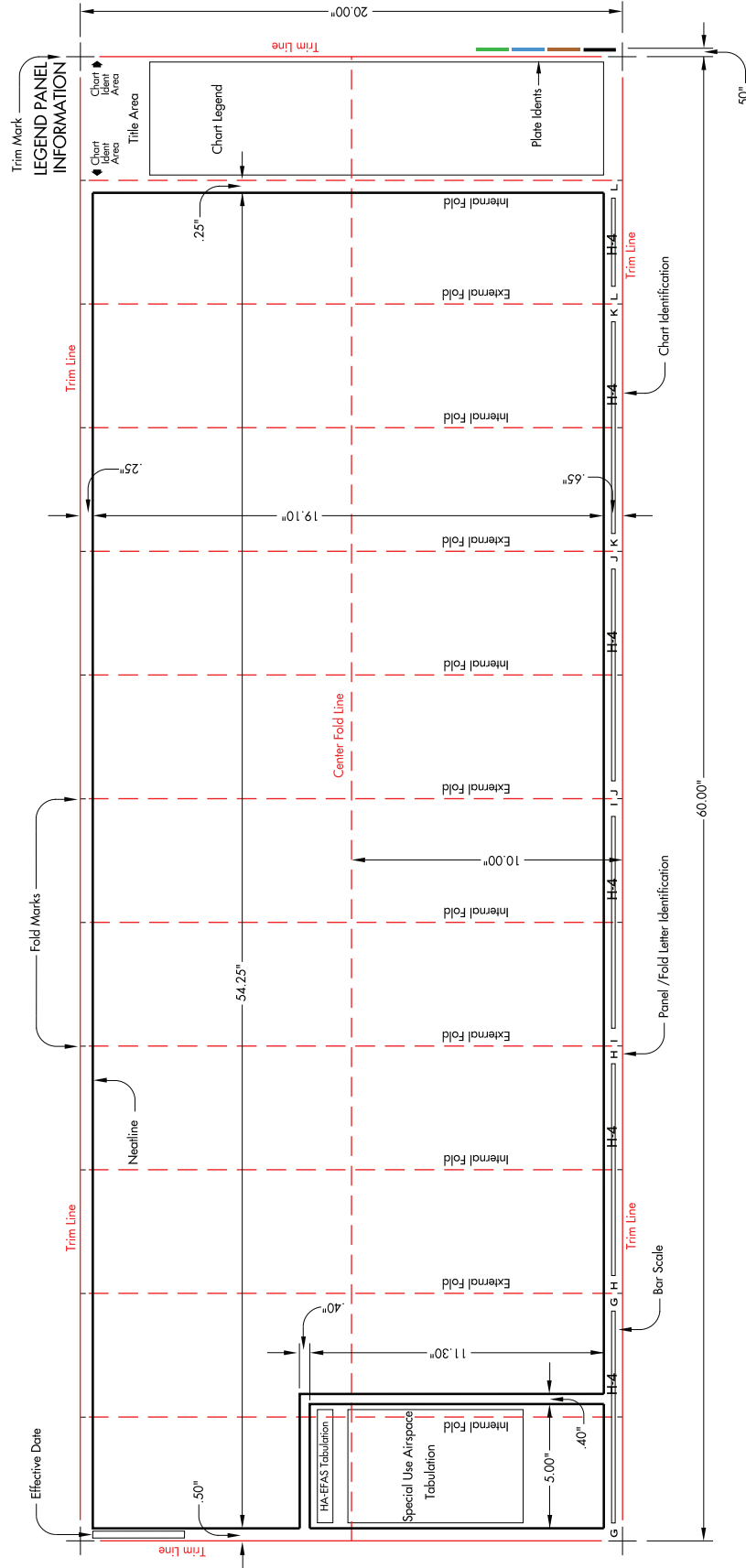
### APPENDIX 4 CHART LAYOUT - U.S. H-2

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



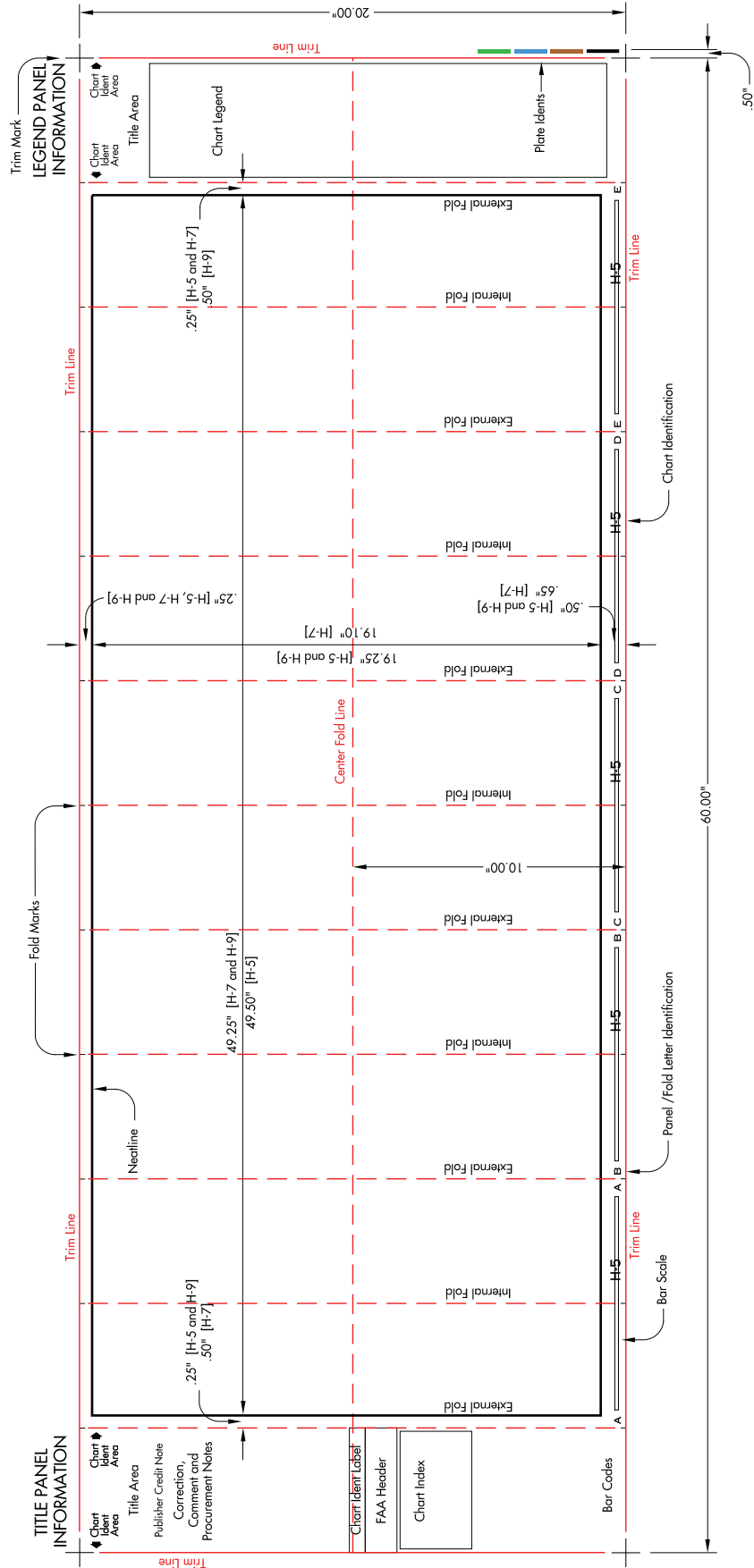
# APPENDIX 5 CHART LAYOUT - U.S. H-4

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



# APPENDIX 6 CHART LAYOUT - U.S. H-5, H-7, H-9

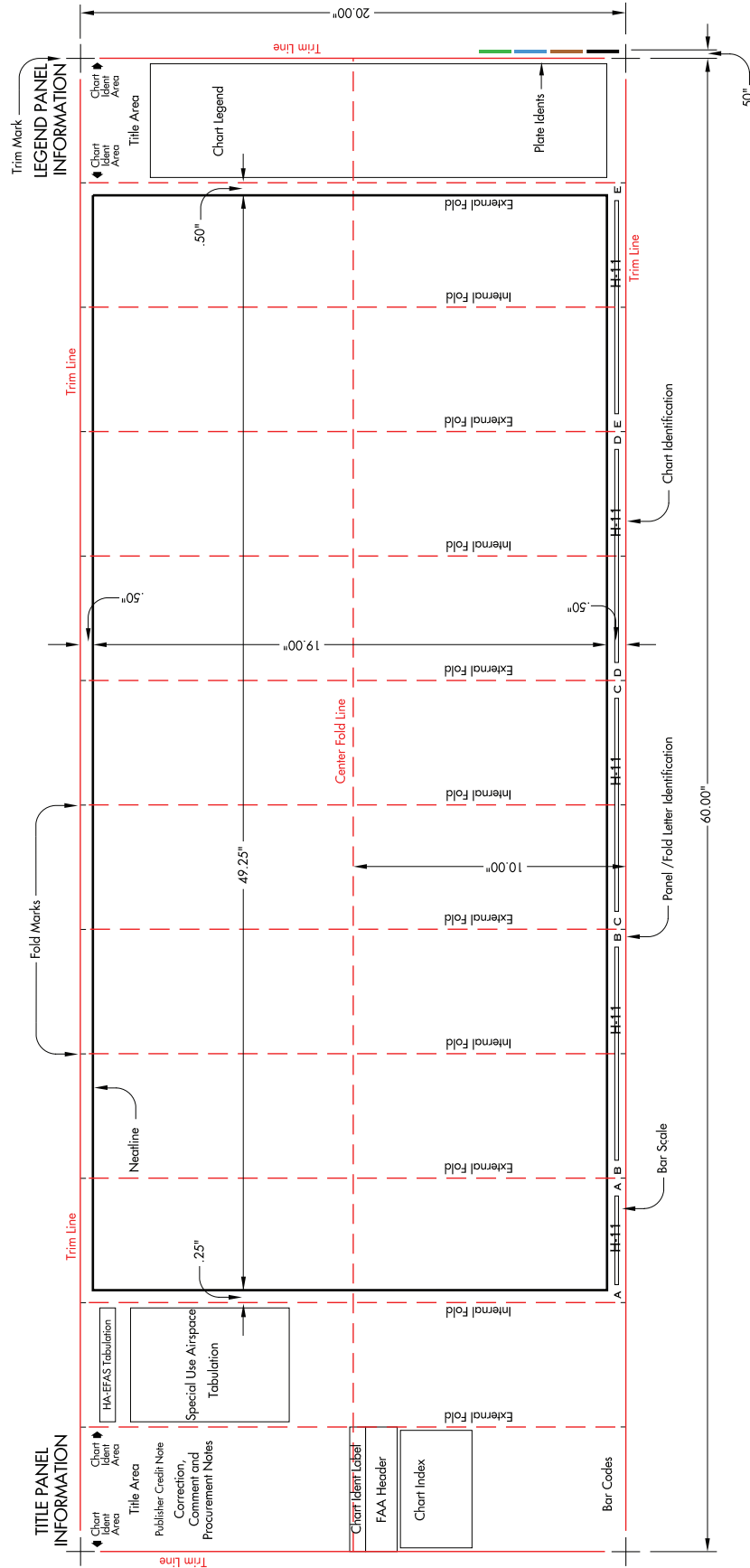
## IFR ENROUTE HIGH ALTITUDE CHARTS CHART LAYOUT U.S. H-5, H-7 and H-9





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

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

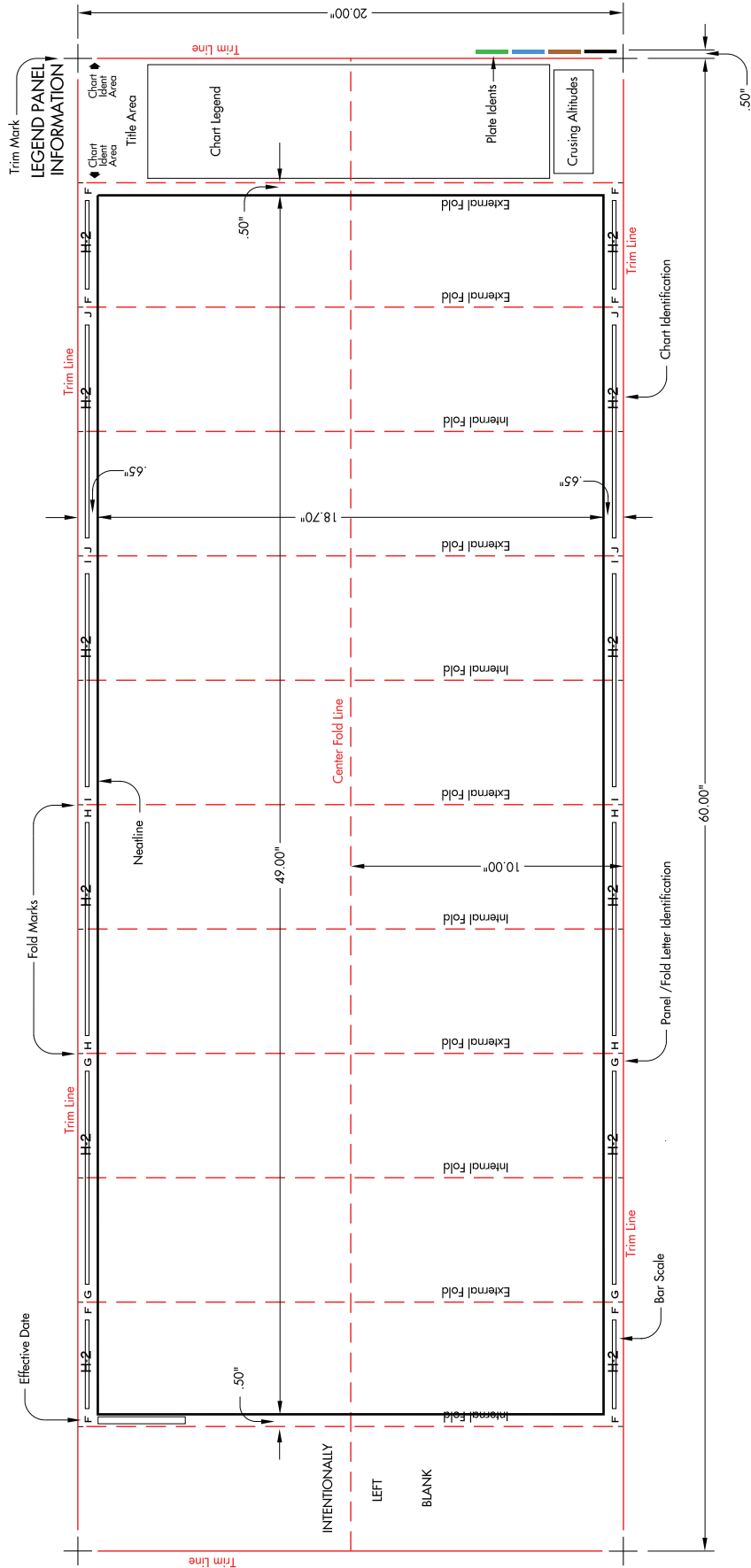






# APPENDIX 11 (AK) CHART LAYOUT - AK H-2

## 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**

For digital products, visit our website at:

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.

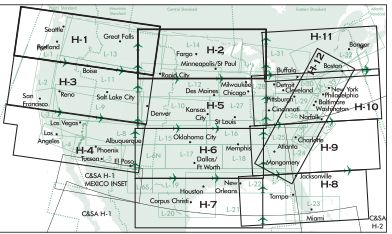
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**17 AUG 2017**


**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

OFF 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**

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,  
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See the FAQ prior to contact via toll free number or email.

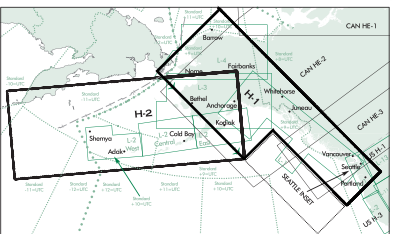
---

**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

OFF 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><b>WARNING NOTE</b></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><b>CHART IDENTIFICATION</b></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;"><b>H-2    H-1</b></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><b>CHART TITLE</b></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;"><b>IFR ENROUTE</b></p>
<p><b>ALTITUDE NOTE</b></p>	<p>.09" Futura Medium (C/L)/Black</p>	<p>For use at and above 18,000' MSL</p>
<p><b>EFFECTIVE DATE AND TIME NOTE</b></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;"><b>23 SEP 2010</b></p> <p style="text-align: center;"><b>18 NOV 2010</b></p> <p style="text-align: center;"><b>EFFECTIVE 0901Z    TO 0901Z</b></p>
<p><b>NOTAM NOTE</b></p> <p>Lineweight</p>	<p>.07" Futura Medium (C/L)/ Black</p>	<p>Consult NOTAMs for latest Information</p>
<p><b>SAFETY ALERTS AND CHARTING NOTICES NOTE</b></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  
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:

Charting Errors, Additions,  
Recommendations  
Contact Information

FOR PROCUREMENT CONTACT:

For digital products, visit our website at:

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

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

**H-1/H-2** 25 NOV 2004 UNITED STATES

Federal Aviation Administration

**H-3/H-4** 25 NOV 2004 UNITED STATES

**H-5/H-6** 25 NOV 2004 UNITED STATES

25 NOV 2004 UNITED STATES **H-7/H-8**

25 NOV 2004 UNITED STATES **H-9/H-10**

25 NOV 2004 UNITED STATES **H-11/12**

TRIM LINE

CENTER FOLD LINE

FOLD LINE

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



**TYPE & SYMBOL SPECIFICATIONS**

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

# 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

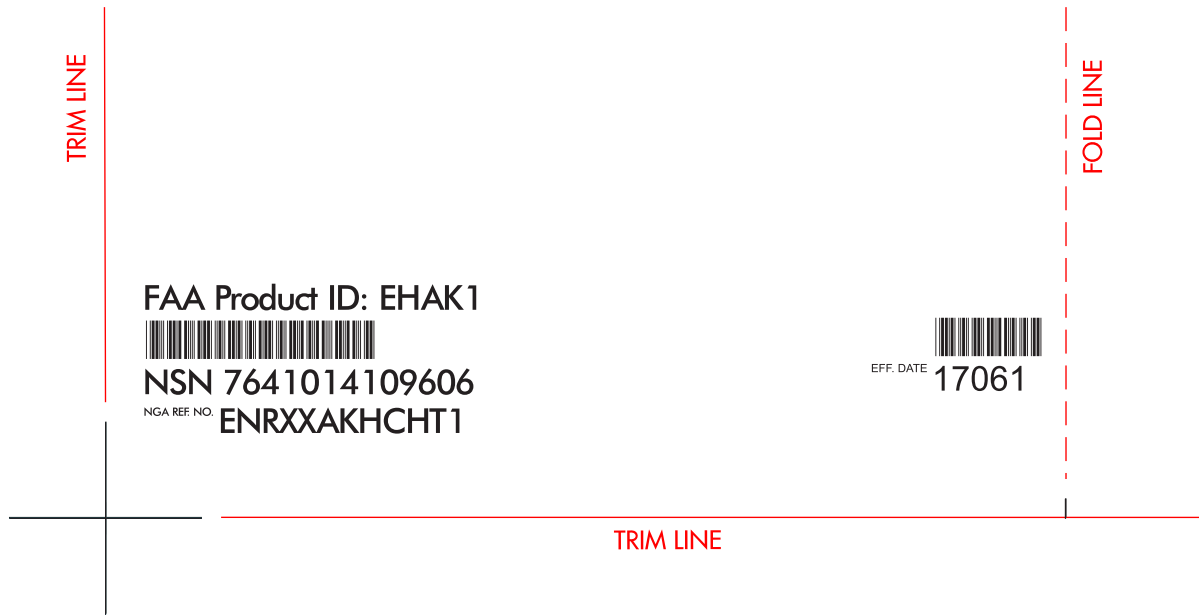
**INSTRUCTIONS FOR ASSEMBLY OF WALL PLANNING CHART**  
 Obtain two copies of each chart  
 Assemble charts by matching airplane silhouettes printed on each chart

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)**

<p><b>CHART IDENTIS</b></p> <p>High Altitude Chart Identis</p> <p>Low Altitude Chart Identis</p> <p>DOD C &amp; 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><b>H-1</b></p> <p>L-5</p> <p>C&amp;SA H-1</p> <p>Washington</p> <p>Central Standard</p>
<p><b>CHART IDENTIS / INSTRUCTIONS</b></p> <p>High Altitude Chart Outlines</p> <p>Individual High Altitude Chart Outlines</p> <p>Low Altitude Chart Outlines</p> <p>DOD C &amp; 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><b>IAC CREDIT NOTE</b></p>	<p>.065" Futura Medium/Black</p>	<p>Published from digital files</p>

**APPENDIX 17  
BAR CODES**



**TYPE & SYMBOL SPECIFICATIONS**

<p><b>PRODUCT INFORMATION</b></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><b>DATE INFORMATION</b></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><b>BAR CODES</b></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 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.  
 Time - Hours shown are UTC unless otherwise indicated  
 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><b>SPECIAL USE AIRSPACE</b></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 style="border: 1px solid black; width: 40px; height: 15px; margin-left: auto; margin-right: auto;"></div>

APPENDIX 19 LEGEND PANEL INFORMATION - GENERAL - U.S. & ALASKA

TRIM LINE

TRIM LINE

FOLD LINE

FOLD LINE

TRIM LINE

H-4 PANELS CHUKL 17-50 NM UNITED STATES GOVERNMENT FLIGHT INFORMATION PUBLICATION IFR ENROUTE HIGH ALTITUDE - U.S. For use of and above 18,000 MSL HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983

LEGEND section for H-4 panels, including AIRPORTS, NAVAIDS, COMMUNICATION BOXES, AIR TRAFFIC SERVICES AND AIRSPACE INFORMATION, and MISCELLANEOUS.

H-2 PANELS FGHLM 17-60 NM UNITED STATES GOVERNMENT FLIGHT INFORMATION PUBLICATION IFR ENROUTE HIGH ALTITUDE - ALASKA For use of and above 18,000 MSL HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983

LEGEND section for H-2 panels, including AIRPORTS, NAVAIDS, COMMUNICATION BOXES, AIR TRAFFIC SERVICES AND AIRSPACE INFORMATION, and MISCELLANEOUS.

EXAMPLE OF GROUPING and MORSE CODE sections for H-4 panels, showing route groupings and Morse code examples.

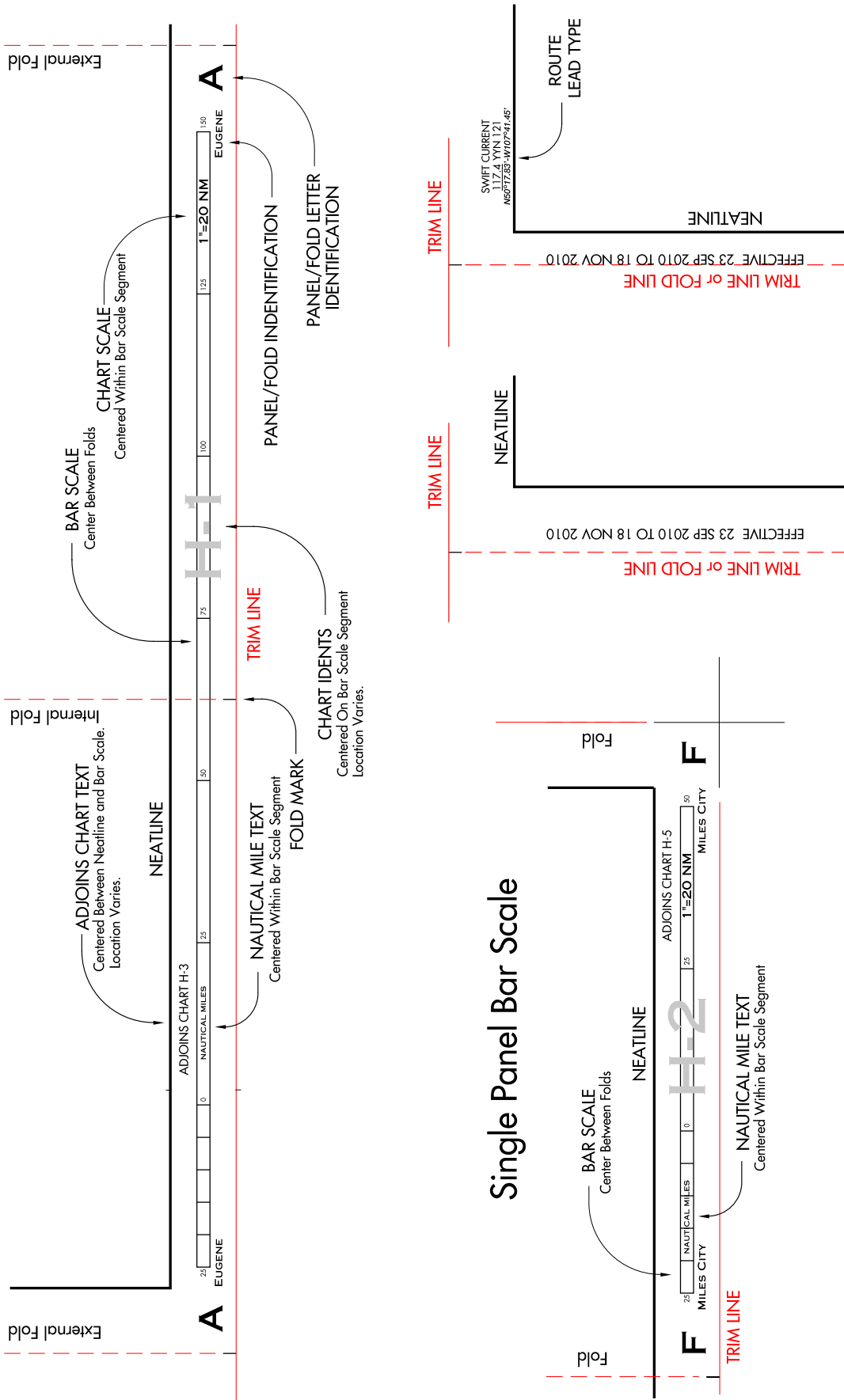
EXAMPLE OF GROUPING and MORSE CODE sections for H-2 panels, showing route groupings and Morse code examples.

CRUISING ALTITUDES - U.S. section for H-4 panels, showing altitude charts for 18,000 MSL, 18,000 MSL to 7,500, and 7,500 and below.

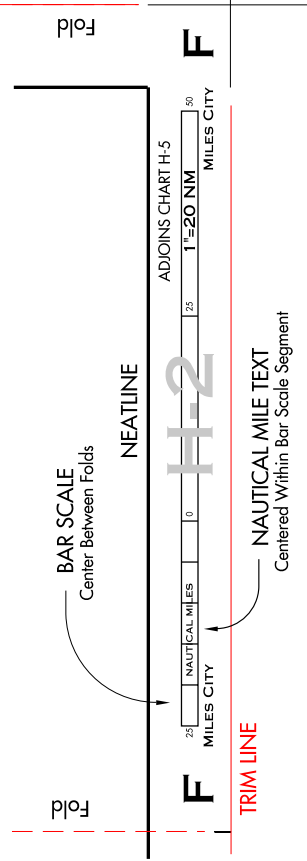
CRUISING ALTITUDES - U.S. section for H-2 panels, showing altitude charts for 18,000 MSL, 18,000 MSL to 7,500, and 7,500 and below.

APPENDIX 20  
MARGIN INFORMATION


Two Panel Bar Scale



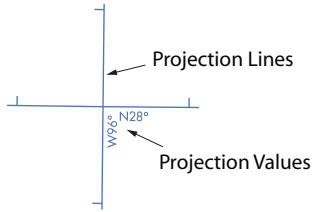
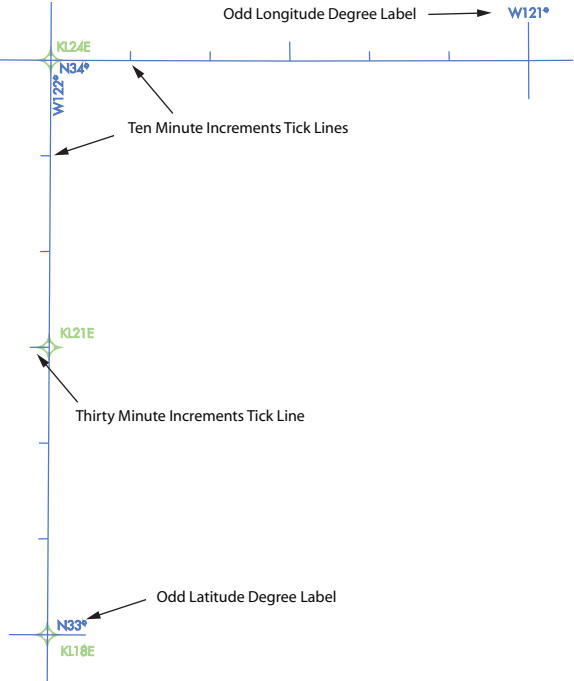
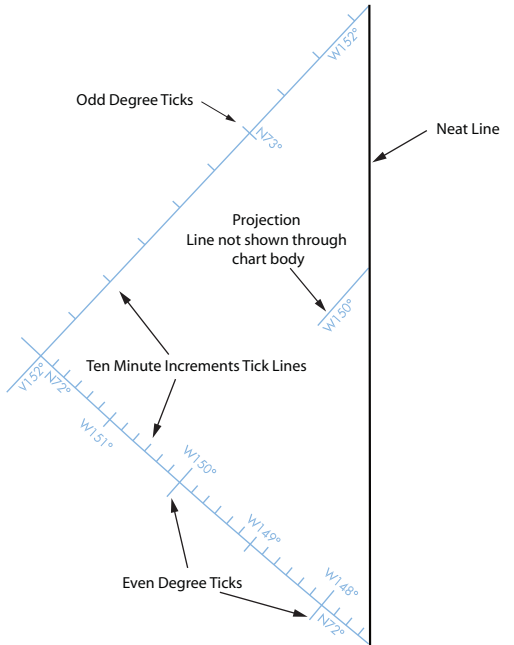
Single Panel Bar Scale



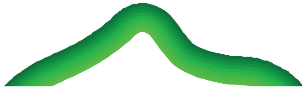
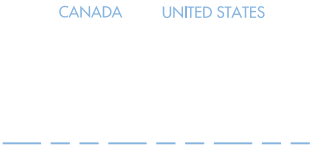




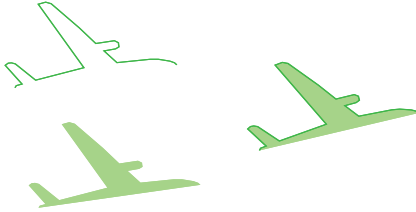
**APPENDIX 20  
MARGIN INFORMATION (CONTINUED)**

<b>MARGIN INFORMATION</b>			
<b>BAR SCALE INFORMATION</b>			
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
<b>PANEL/FOLD IDENTIFICATION</b>			
Letter Identification	CAPS	.19" Copperplate Gothic 31/Black	<b>A</b>
City or NAVAID Identification	CAPS	.06" Copperplate Gothic 31/Black	EUGENE
<b>CHART IDENTIS</b>			
Chart Identification	CAPS	.29" Copperplate Gothic 31/45% Black	H-1
Fold Mark Weight /Length		.007"/.100" Length/Black	
<b>CHART MARGIN INFORMATION</b>			
Adjoins Chart Text	CAPS	.07" Futura Medium/Black	ADJOINS CHART H-3
Effective Date			EFFECTIVE 23 SEP 2010 ...
<b>ROUTE LEAD TYPE</b>			
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**

<b>CHART DETAIL</b>			
<p><b>PROJECTION</b></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><b>LATITUDE/LONGITUDE - U.S.</b></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><b>LATITUDE / LONGITUDE (AK)</b></p> <p>Ten Minute Tick Lines</p> <p>Even Degree Tick Lines</p> <p>Odd Degree Tick Lines</p> <p>Even Degree Lat. &amp; Long. Degree Tick Marks not shown through chart body</p> <p>Even Degree Lat. &amp; 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>	






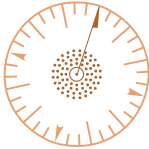
**APPENDIX 22  
BASE DETAIL TYPE & SYMBOL SPECIFICATIONS**

<b>CHART DETAIL - BASE DETAIL</b>			
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"	

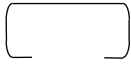



**APPENDIX 23  
AIRPORT INFORMATION TYPE & SYMBOL SPECIFICATIONS**

CHART DETAIL - AIRPORTS				
.06" Futura Medium (Caps)/ Green/Blue/Brown	<p><b>Airport Data - U.S. Charts</b></p>		<p><b>Airport Data - AK Charts</b></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...			<b>U.S.</b>	<b>Alaska</b>
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		.010"			
Color		Black	Brown		
NAVAID Compass Rose					
Lineweight		.010"			
Color		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**

<b>FLIGHT SERVICE STATIONS (FSS) &amp; REMOTE COMMUNICATION OUTLETS (RCOs)</b>			
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**

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




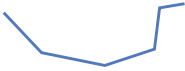




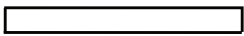
**APPENDIX 28  
AIRSPACE INFORMATION TYPE & SYMBOL SPECIFICATIONS**

<b>AIRSPACE INFORMATION</b>			
<b>GENERAL ATS AREA INFORMATION</b>			
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	
<b>U.S. AIRSPACE NOTES</b>			
Type Color	CAPS	.05" Futura Medium 45% Blue	FAA AIR TRAFFIC SERVICE OUTSIDE U.S. AIRSPACE IS
<b>FOREIGN AIRSPACE NOTES - CANADA</b>			
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	
<b>FOREIGN AIRSPACE NOTES - MEXICO</b>			
Mexican Airspace Effective Note Color	CAPS	.06" Futura Medium Black	<b>MEXICAN HIGH ALTITUDE</b>
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	
<b>FOREIGN AIRSPACE NOTES - ALL EXCLUDING CANADA</b>			
Foreign Airspace Note - DoD Color Box Lineweight Color	CAPS	.06" Futura Medium Black .015" Black	DOD USERS ...
Foreign Airspace Note - DoD Color Box Lineweight Color	CAPS	.05" Futura Medium Black	CAUTION: ACCURACY OF ...















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

<b>AIRSPACE INFORMATION</b>			
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)**

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













**APPENDIX 29  
ROUTES - TYPES**

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








**APPENDIX 30  
ROUTES - DATA**

<b>ROUTE DATA</b>				
JET ROUTES Identifier	CAPS	.10" Reverse Negative Futura Medium/Black (May be reduced to .09" in congested areas)	<b>J000</b>	
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)	<b>Q000</b>	
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)**

<b>ROUTES DATA</b>								
<b>RADIAL &amp; BEARINGS</b>			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		
<b>MAGNETIC REFERENCE BEARINGS</b>								
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°		
<b>Minimum Enroute Altitudes (MEA), Minimum Authorized Altitudes (MAA) and Flight Levels (FL)</b>			VHF/UHF	LF/MF	RNAV Q	VHF/UHF	LF/MF	RNAV Q
Altitude and Flight Levels		CAPS	Black	Brown	Blue	MAA-41000 MEA-24000		
RNAV MEA Altitude			.07" Futura Medium (May be reduced to .06" in congested areas)		FL 180	FL 180		MEA-20000G
"T" Symbol Color Lineweight			VHF/UHF	LF/MF	RNAV Q	VHF/UHF	LF/MF	RNAV Q
			Black	Brown	Blue			
			.015"					
<b>MEA GAP NOTE</b>		CAPS	.05" Futura Medium/Black		MEA GAP			
<b>MCA / MTA</b>					VHF/UHF	LF/MF	RNAV Q	
		CAPS	.06" Futura Medium (May be reduced to .05" in congested areas)		 MCA V142 12000 E	 MCA V142 12000 E	 MCA V142 12000 E	
<b>MILEAGE DISTANCES</b>								
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			<b>TO MWH</b>		
<b>COP</b>								
Mileage			.06" Futura Medium/ Black			35		
COP "TO" Note			.05" Futura Medium(Caps) / Same color as prescribed for the routeto which they pertain			<b>TO MWH</b>		

**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><b>RNAV WAYPOINTS</b></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><b>ALASKA VOR/DME WAYPOINTS</b></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><b>NRS WAYPOINTS</b></p> <p>Symbol</p> <p>Name</p>	<p>45 % Green</p> <p>.05" Futura Medium (Caps)/45% Green</p>	 <p>KUJ2M</p>
<p><b>MRA</b></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><b>NAVAID HOLDING PATTERNS</b></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><b>RNAV HOLDING PATTERNS</b></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>