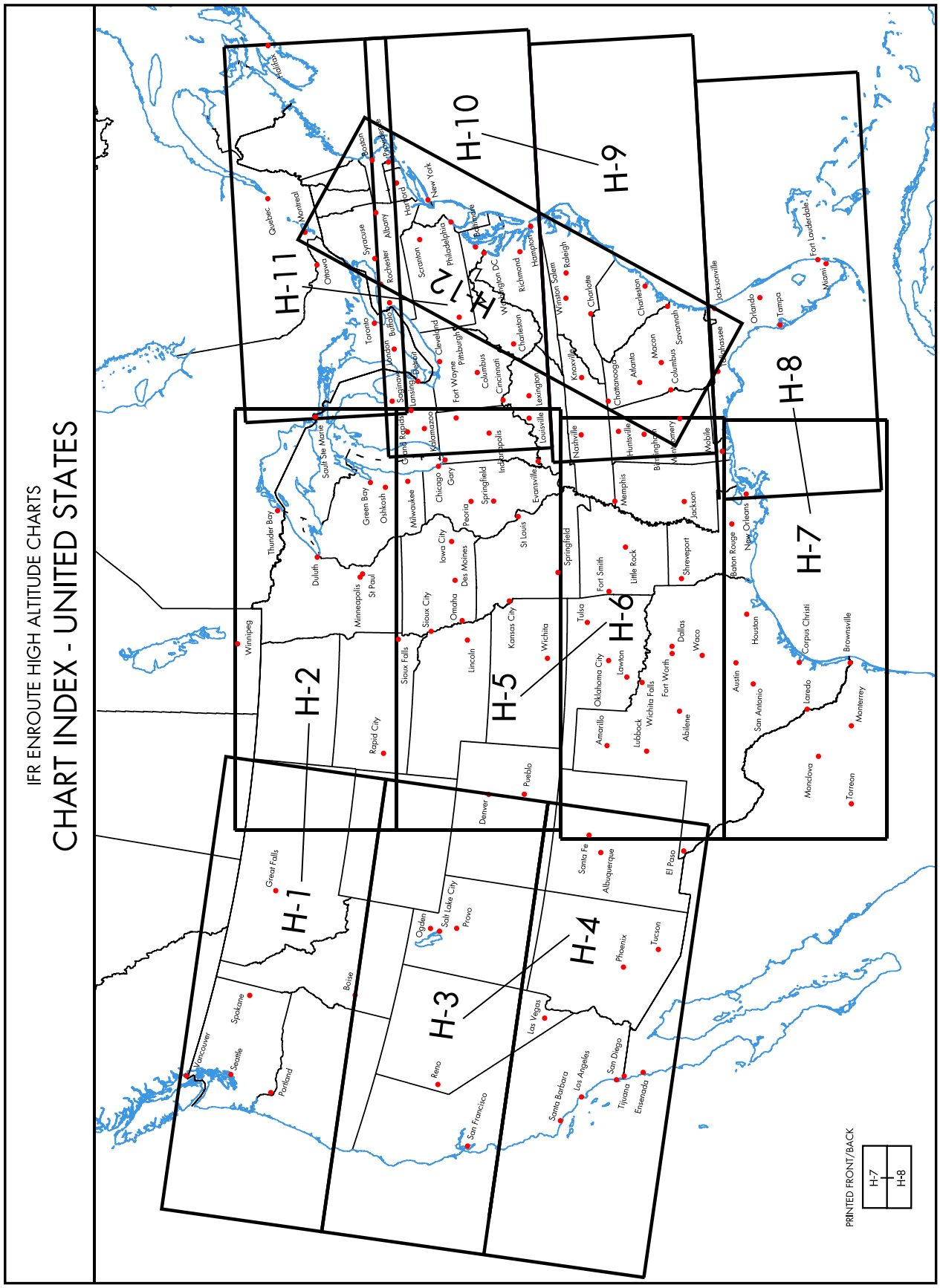
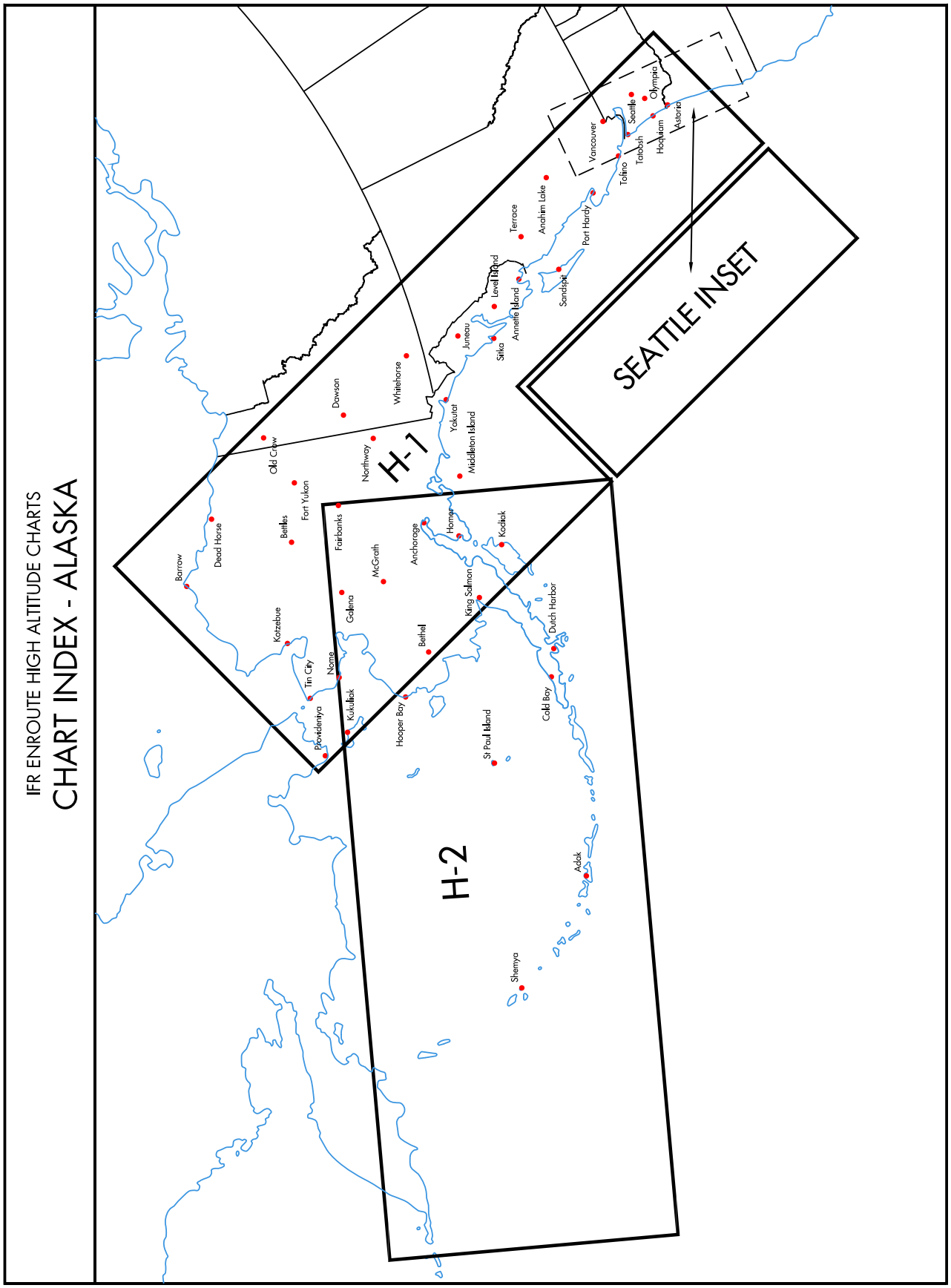
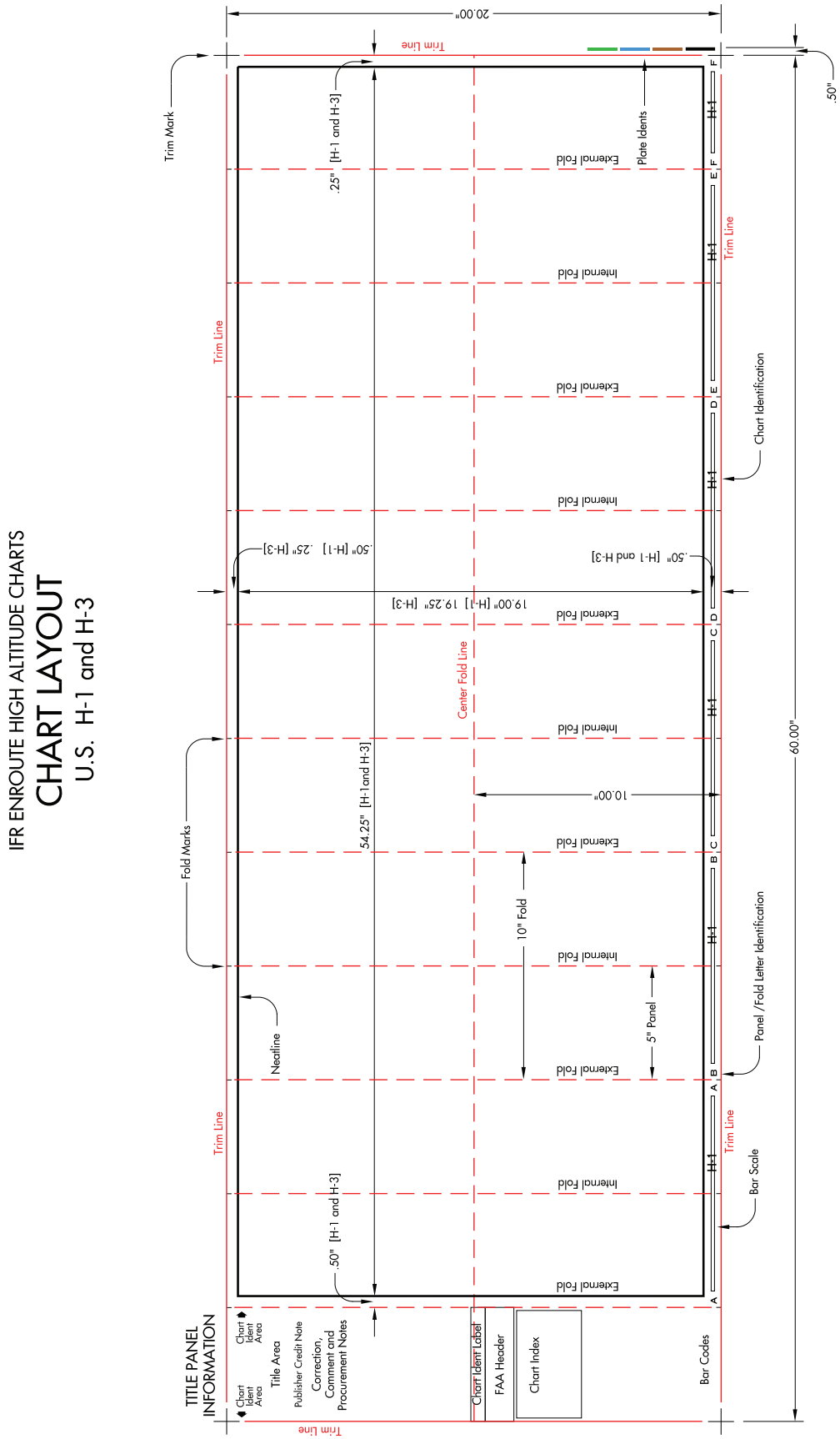
APPENDIX 1
ENROUTE CHART AREA OF COVERAGE - U.S.



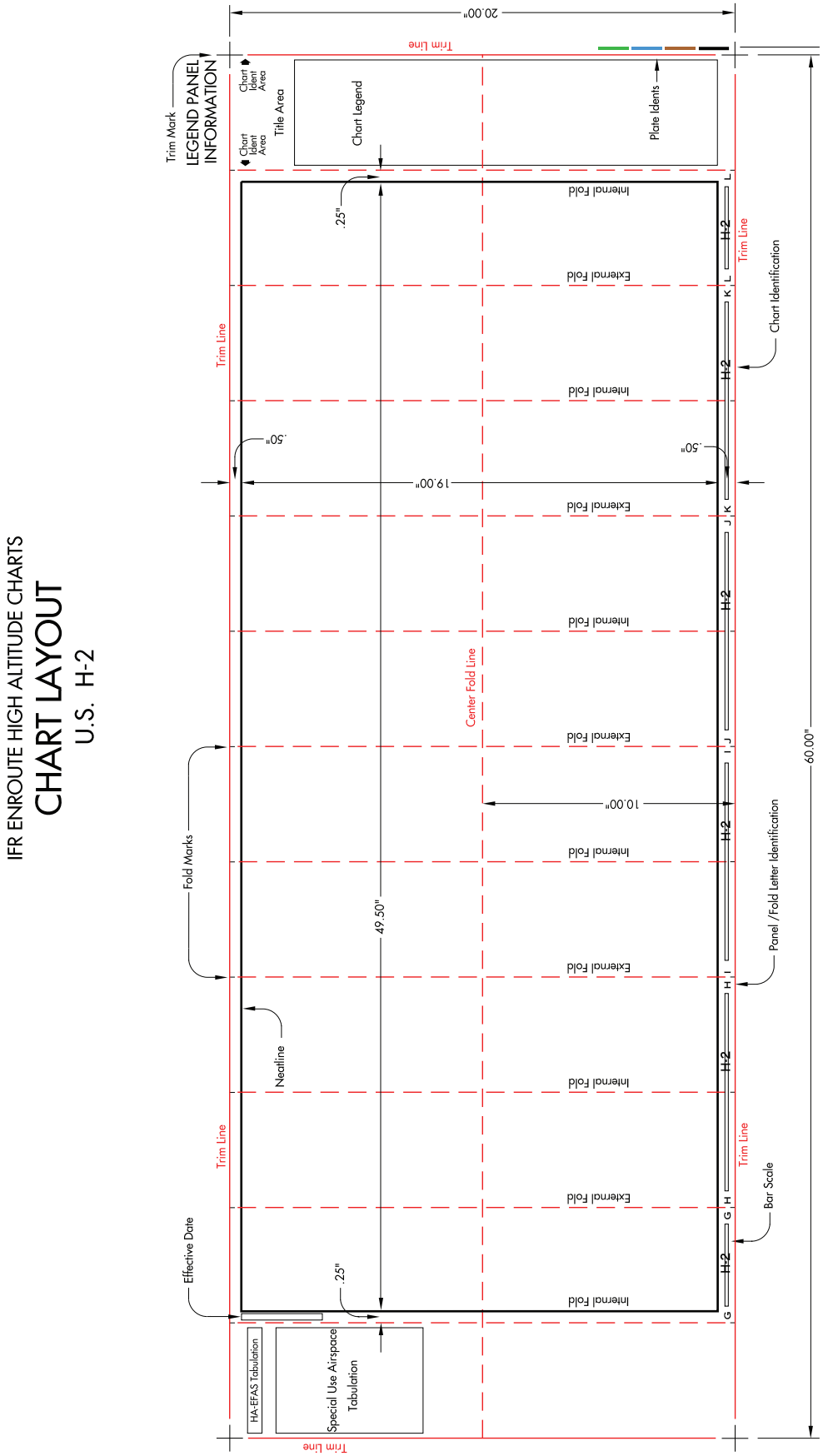
APPENDIX 2
ENROUTE CHART AREA OF COVERAGE - AK



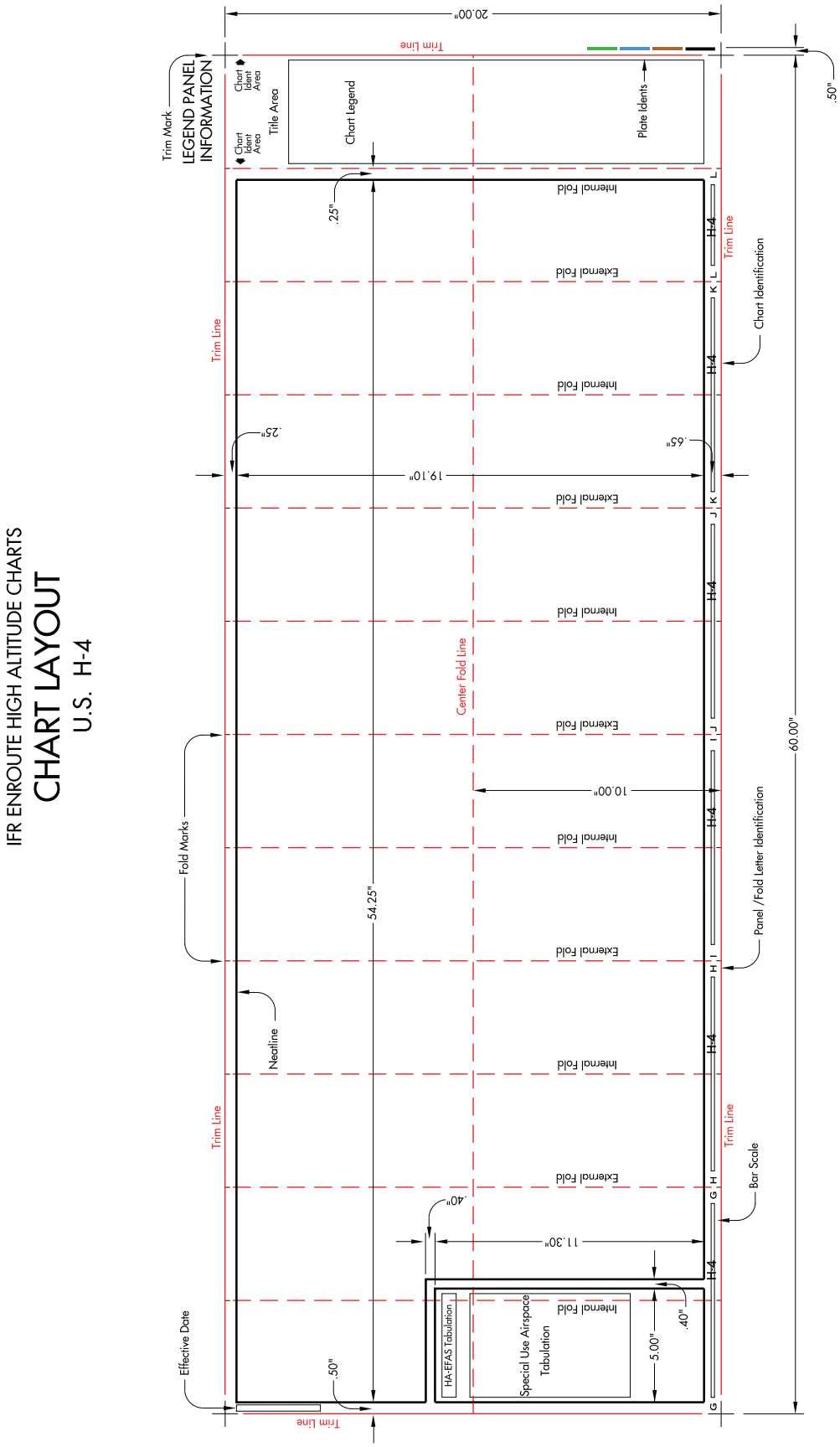
APPENDIX 3
CHART LAYOUT - U.S. H-1, H-3



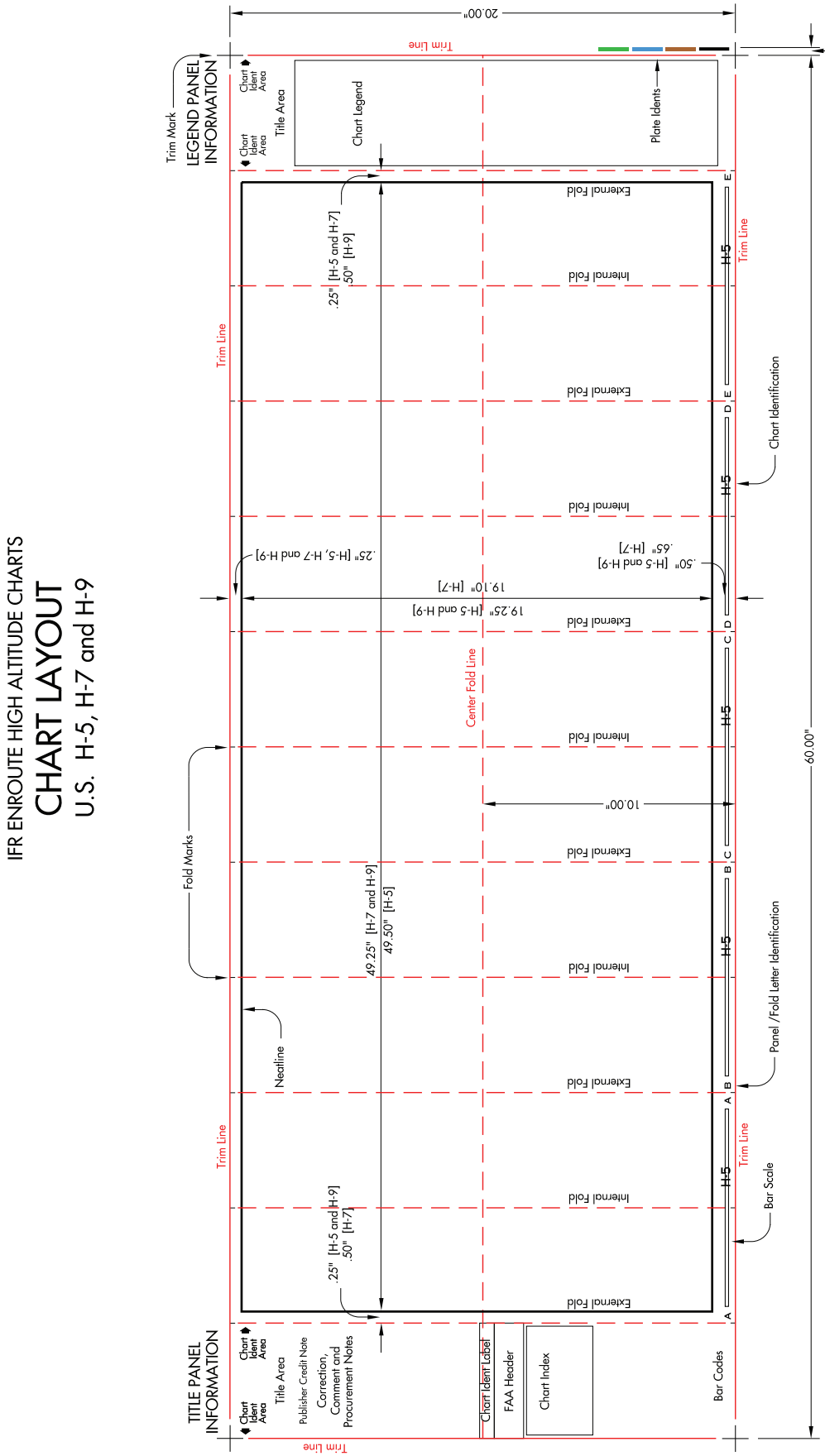
APPENDIX 4
CHART LAYOUT - U.S. H-2



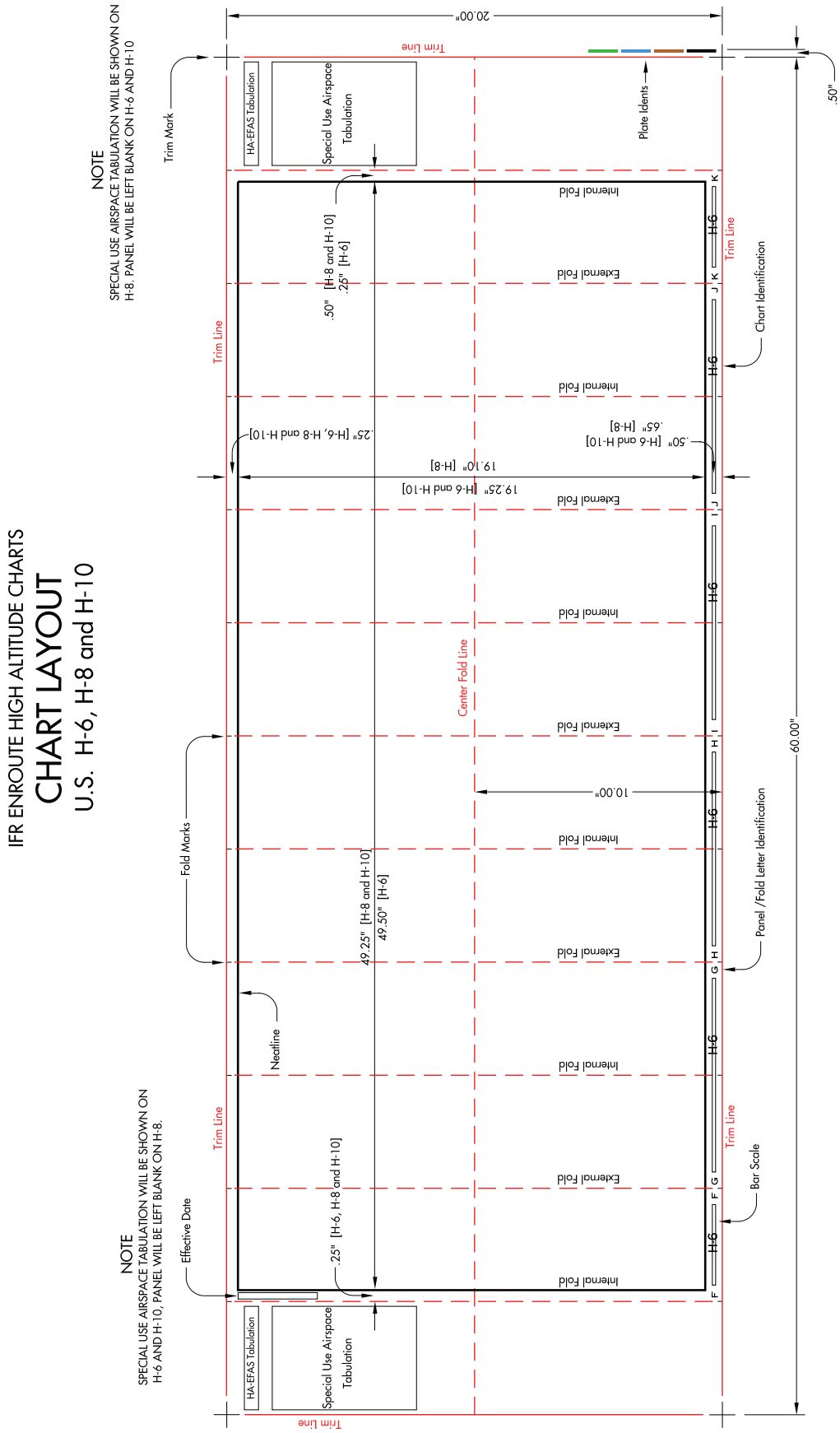
APPENDIX 5
CHART LAYOUT - U.S. H-4



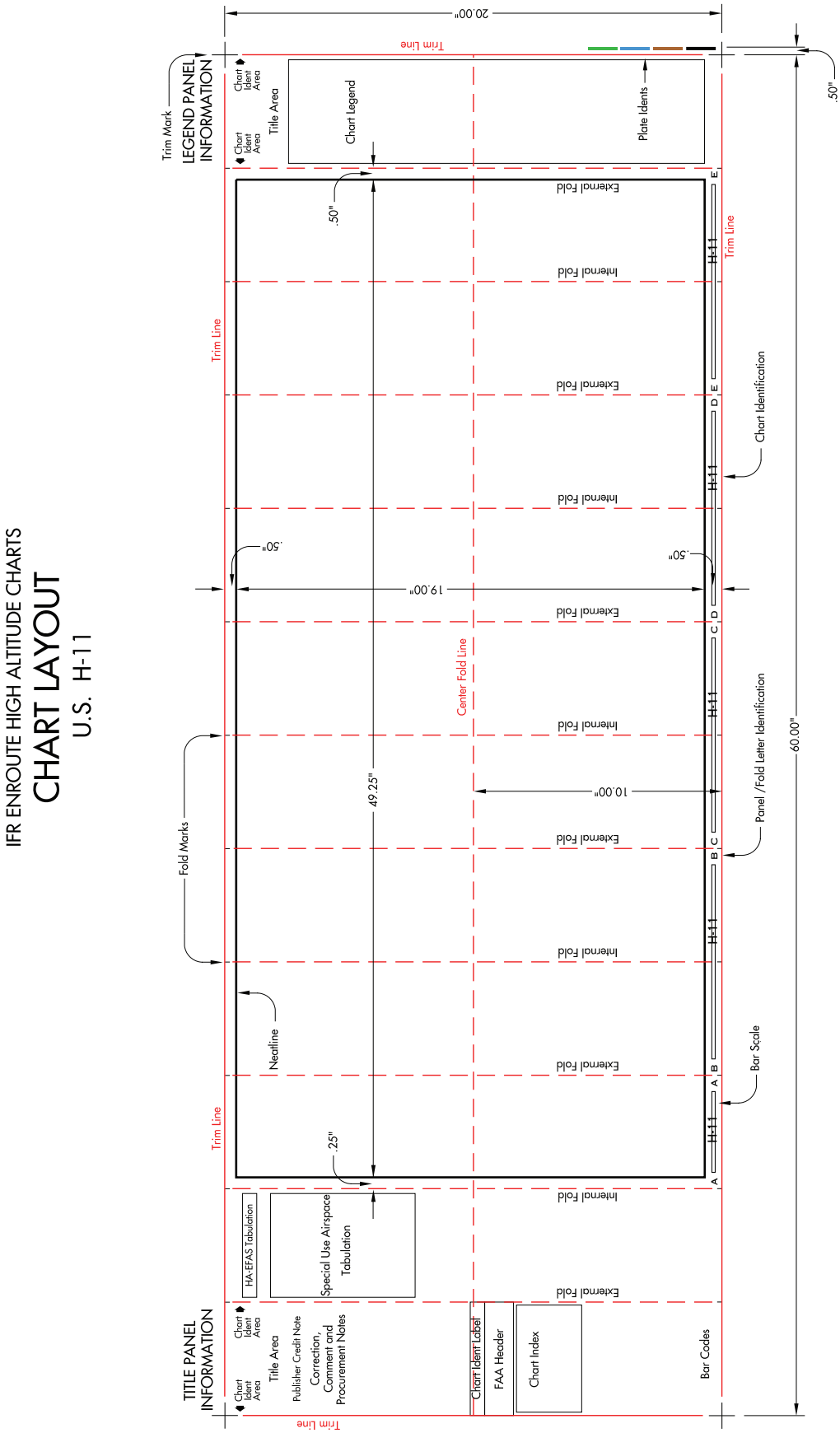
APPENDIX 6
CHART LAYOUT - U.S. H-5, H-7, H-9



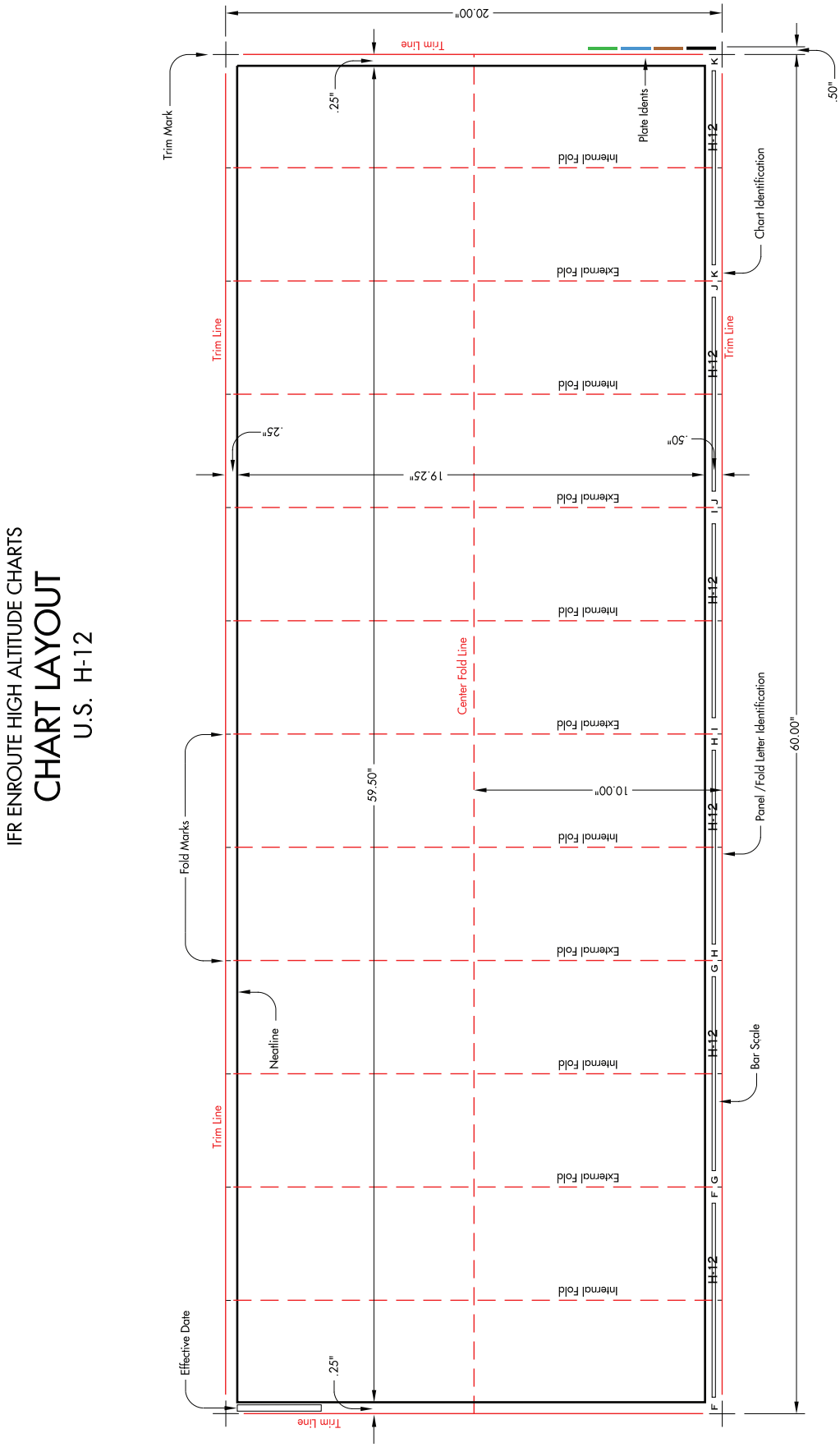
APPENDIX 7
CHART LAYOUT - U.S. H-6, H-8, H-10



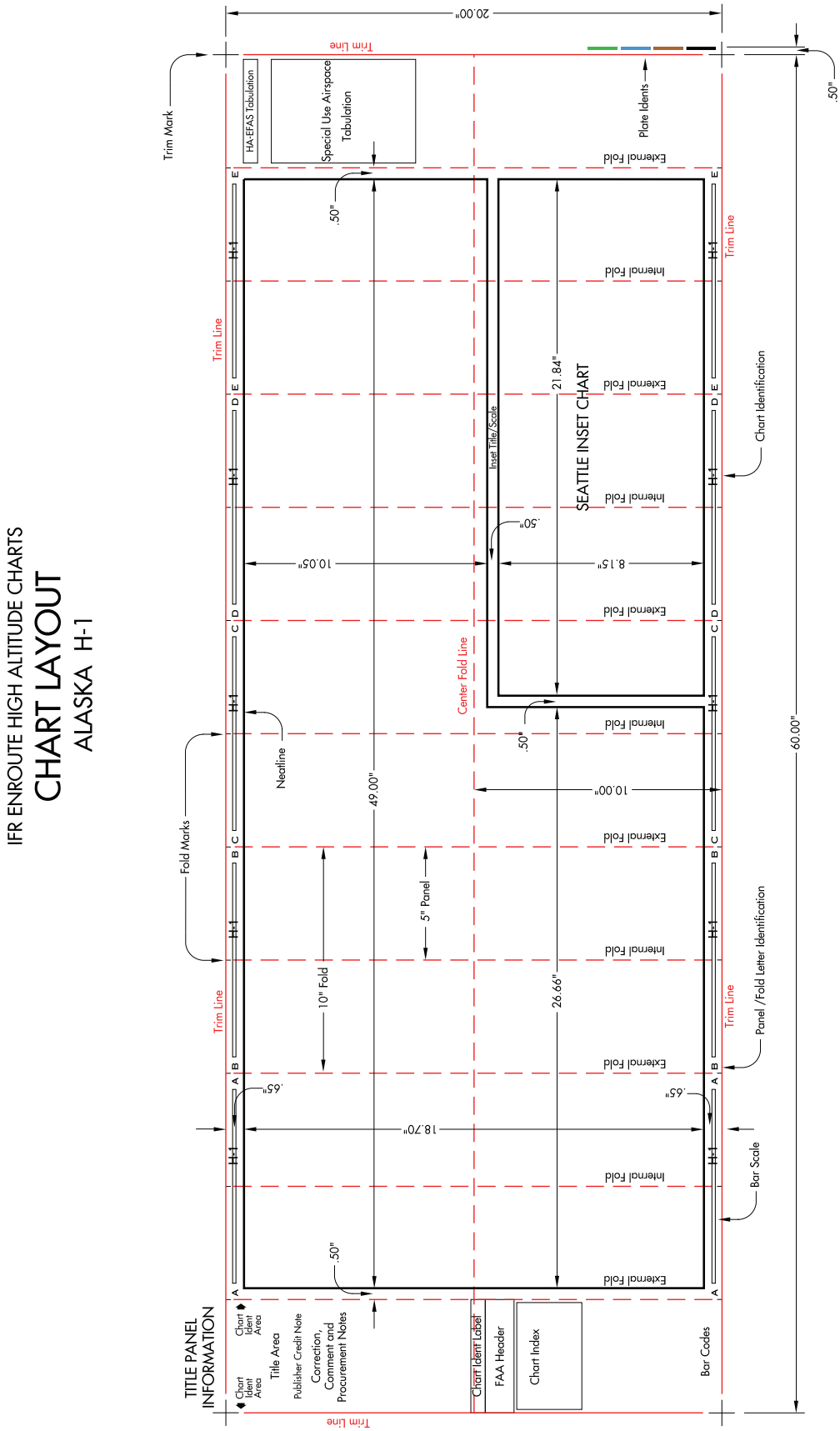
APPENDIX 8
CHART LAYOUT - U.S. H-11



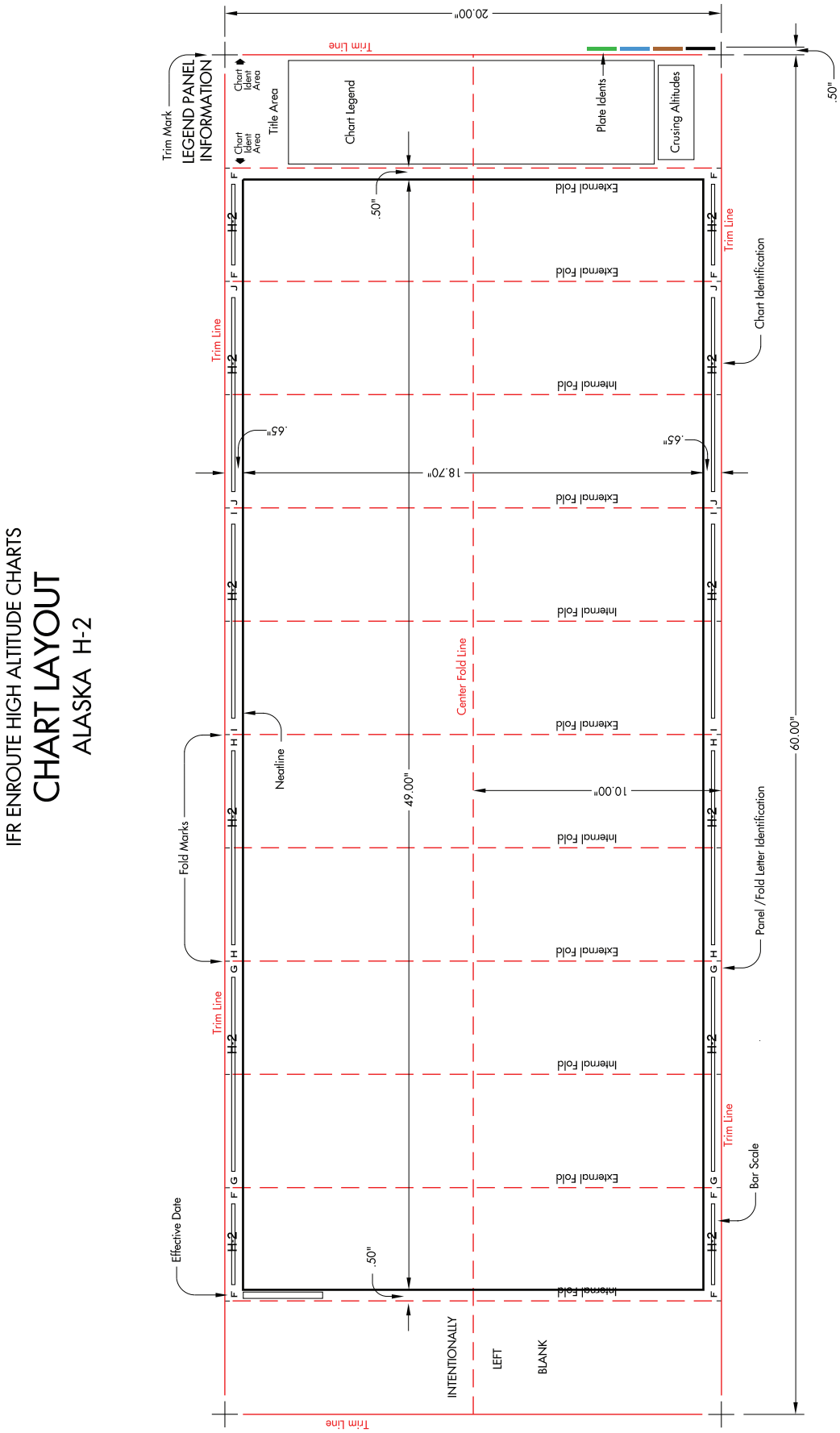
APPENDIX 9
CHART LAYOUT - U.S. H-12



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



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



APPENDIX 12
ENROUTE TITLE PANEL INFORMATION - 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 23 SEP 2010
TO 0901Z 18 NOV 2010

Consult NOTAMs for latest Information

Published by the
U.S. Department of Transportation
Federal Aviation Administration
AeroNav Services
http://AERONAV.FAA.GOV

CORRECTIONS, COMMENTS, AND/OR PROCUREMENT

FOR RECOMMENDATIONS REGARDING FORMAT AND CONTENT CONTACT:
FAA, Aeronautical Information Services, AJR-321
800 Independence Ave., S.W.,
Washington, D.C. 20591
Online at http://nfdc.faa.gov
Email 9-AWA-ATOR-AIS-feedback@faa.gov
Telephone 1-866-295-8236

FOR PROCUREMENT CONTACT:
FAA, National Aeronautical Navigation Services
Distribution Team, ATO-W
10201 Good Luck Road
Glenn Dale, MD 20769-9700
Online at http://AERONAV.FAA.GOV
Email 9-AMC-Chartsales@faa.gov
Tel. 1-800-638-8972 Fax 301-436-6829
or any authorized chart agent

FOR CHARTING ERRORS CONTACT:
FAA, National Aeronautical Navigation Services, ATO-W
SSMC-4, Sta. # 4259
1305 East-West Highway
Silver Spring, MD 20910-3281
Telephone 1-800-626-3677
Email 9-AMC-Aerochart@faa.gov

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 http://AERONAV.FAA.GOV.
See the FAQs prior to contact via toll free number or email.

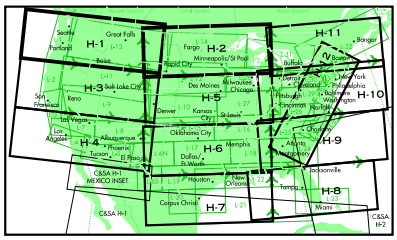
TRIM LINE

FOLD LINE

CENTER FOLD LINE

H-1/H-2 23 SEP 2010 UNITED STATES

Federal Aviation Administration



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

PUBLISHED IN ACCORDANCE WITH INTERAGENCY AIR CARTOGRAPHIC COMMITTEE SPECIFICATIONS AND AGREEMENTS, APPROVED BY: DEPARTMENT OF DEFENSE • FEDERAL AVIATION ADMINISTRATION

FAA Product ID: EHUS1
NSN 7641014005579
NGA REF. NO. ENRXXUSHCHT01
EFF. DATE 10266

TRIM 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 ABCDE 1"=40 NM

UNITED STATES GOVERNMENT
FLIGHT INFORMATION PUBLICATION

IFR ENROUTE HIGH ALTITUDE - ALASKA

For use at and above 18,000' MSL

EFFECTIVE 0901Z 23 SEP 2010
TO 0901Z 18 NOV 2010

Consult NOTAMs for latest Information

Published by the
U.S. Department of Transportation
Federal Aviation Administration
AeroNav Services
http://AERONAV.FAA.GOV

CORRECTIONS, COMMENTS, AND/OR PROCUREMENT

FOR RECOMMENDATIONS REGARDING FORMAT AND CONTENT CONTACT:
FAA, Aeronautical Information Services, AJR-321
800 Independence Ave., S.W.,
Washington, D.C. 20591
Online at http://nfdc.faa.gov
Email 9-AWA-ATOR-AIS-feedback@faa.gov
Telephone 1-866-295-8236

FOR PROCUREMENT CONTACT:
FAA, National Aeronautical Navigation Services
Distribution Team, ATO-W
10201 Good Luck Road
Glenn Dale, MD 20769-9700
Online at http://AERONAV.FAA.GOV
Email 9-AMC-Chartsales@faa.gov
Tel. 1-800-638-8972 Fax 301-436-6829
or any authorized chart agent

FOR CHARTING ERRORS CONTACT:
FAA, National Aeronautical Navigation Services, ATO-W
SSMC-4, Sta. # 4259
1305 East-West Highway
Silver Spring, MD 20910-3281
Telephone 1-800-626-3677
Email 9-AMC-Aerochart@faa.gov

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 http://AERONAV.FAA.GOV.
See the FAQs prior to contact via toll free number or email.

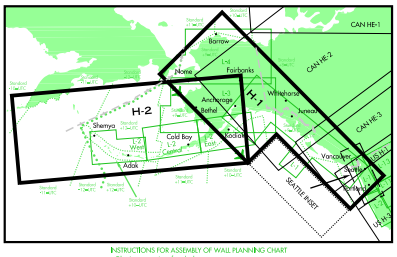
TRIM LINE

FOLD LINE

CENTER FOLD LINE

H-1/H-2 23 SEP 2010 ALASKA

Federal Aviation Administration



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

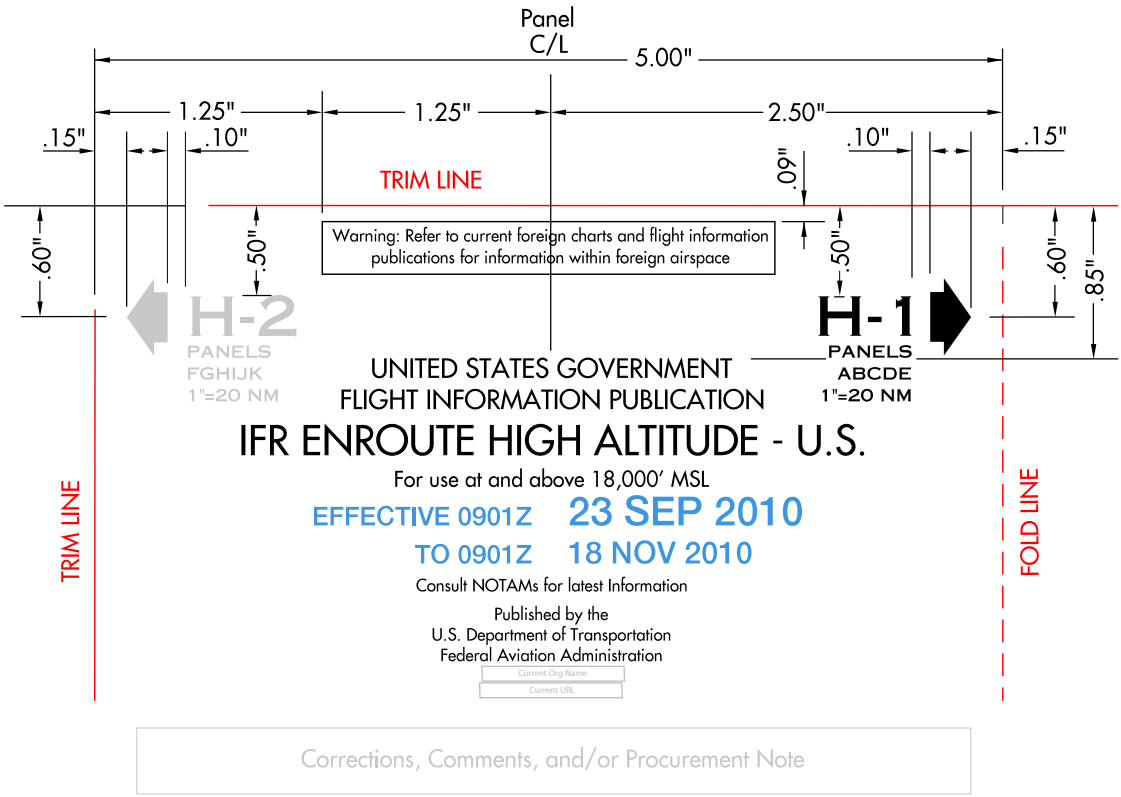
PUBLISHED IN ACCORDANCE WITH INTERAGENCY AIR CARTOGRAPHIC COMMITTEE SPECIFICATIONS AND AGREEMENTS, APPROVED BY: DEPARTMENT OF DEFENSE • FEDERAL AVIATION ADMINISTRATION

FAA Product ID: EHAK1
NSN 7641014109606
NGA REF. NO. ENRXXAKHCHT1
EFF. DATE 10266

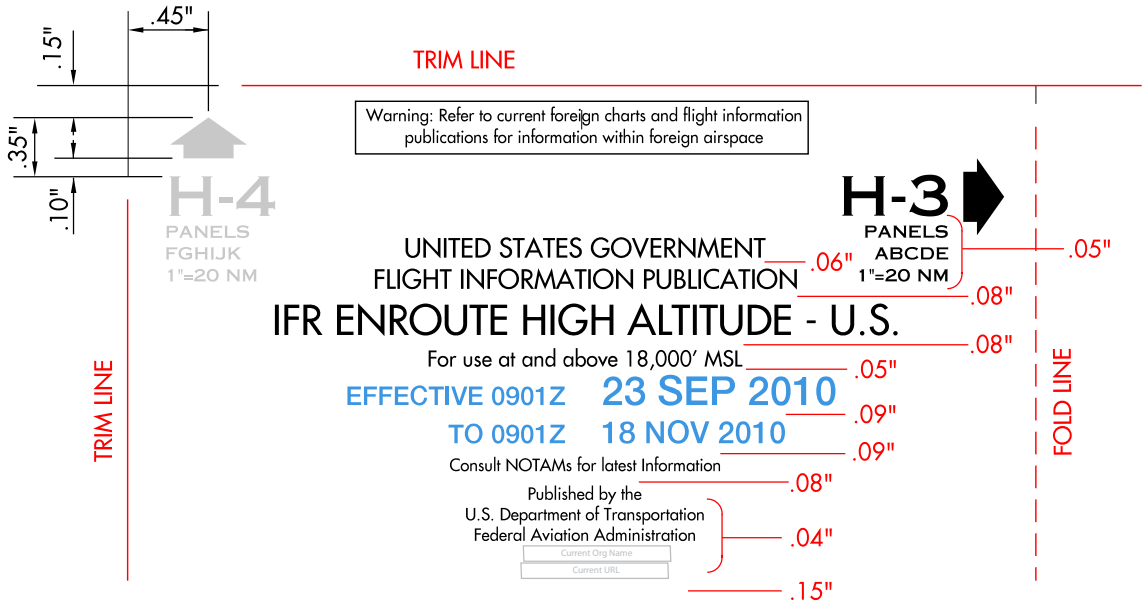
TRIM LINE

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

NOTE: All spacing described here apply to U.S. and Alaska charts



Corrections, Comments, and/or Procurement Note



Corrections, Comments, and/or Procurement Note

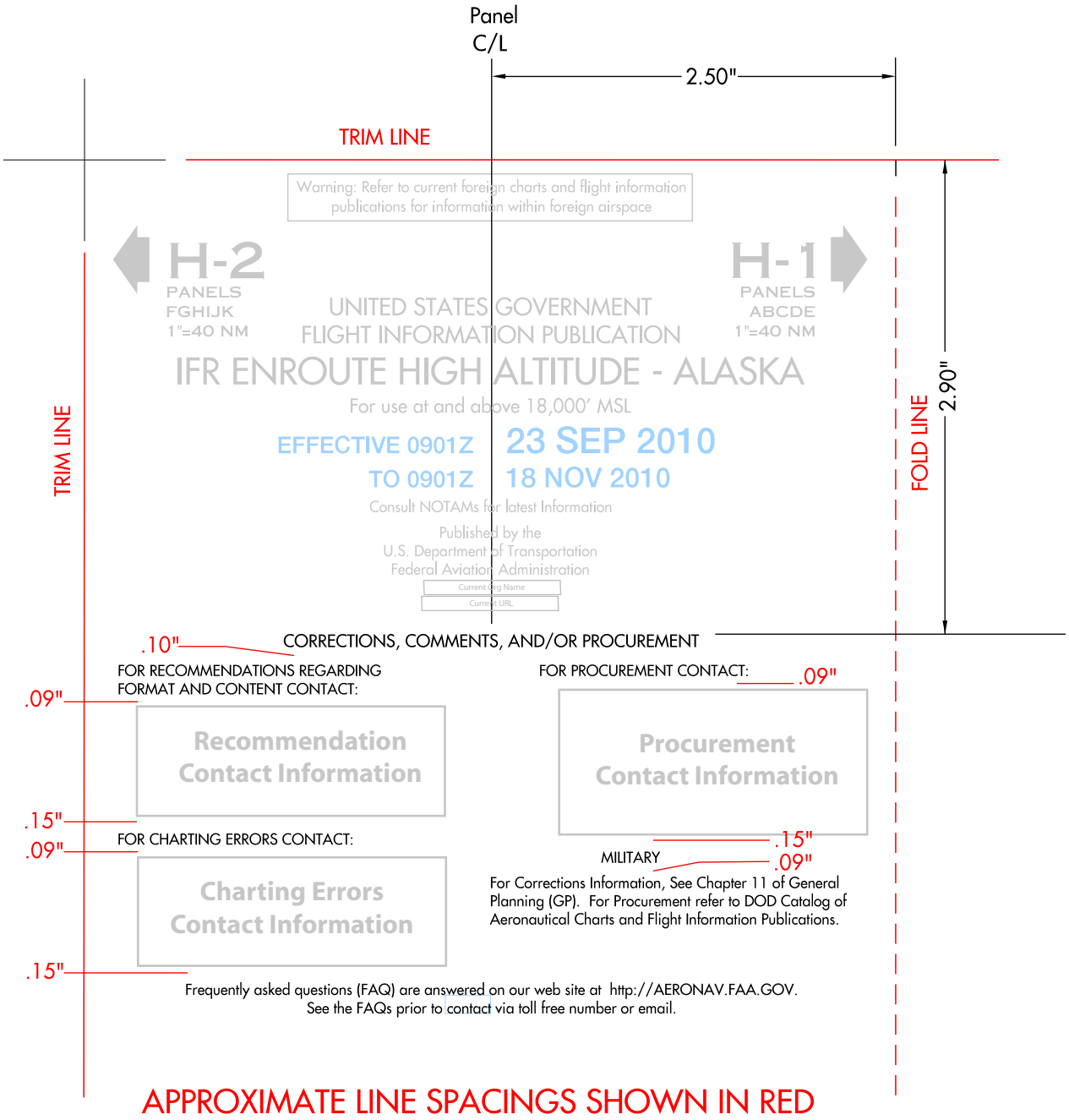
APPROXIMATE LINE SPACINGS SHOWN IN RED

NOTE: All spacing described here apply to U.S. and Alaska charts

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

WARNING NOTE Box Lineweight	.07" Futura Medium (C/L)/ Black .008" / Black	Warning: Refer to current foreign .....
CHART IDENTIFICATION Chart Number Panel Identifications Chart Scales Arrowheads	.23" Copperplate Gothic (Caps)/ 45% Black (Even), Black (Odd) .07" Copperplate Gothic (Caps)/ 45% Black (Even), Black (Odd) .07" Copperplate Gothic (Caps)/ 45% Black (Even), Black (Odd) 45% Black (Even), Black (Odd)	H-2 H-1 PANELS FGHIJK PANELS ABCDE 1"=20 NM 1"=20 NM
CHART TITLE First and Second Lines Third Line	.11" Futura Medium (Caps)/Black .17" Futura Medium (Caps)/Black	UNITED STATES GOVERNMENT IFR ENROUTE
ALTITUDE NOTE	.09" Futura Medium (C/L)/Black	For use at and above 18,000' MSL
EFFECTIVE DATE AND TIME NOTE Effective Date "To" Date Times	.17" Helvetica Medium (Caps)/ Blue .13" Helvetica Medium (Caps)/ Blue .11" Helvetica Medium (Caps)/ Blue	23 SEP 2010 18 NOV 2010 EFFECTIVE 0901Z TO 0901Z
NOTAM NOTE Lineweight	.07" Futura Medium (C/L)/ Black	Consult NOTAMs for latest Information
PUBLISHED BY NOTE	.07" Futura Medium (C/L)/ Black	Published by the U.S. Department of Transportation ...

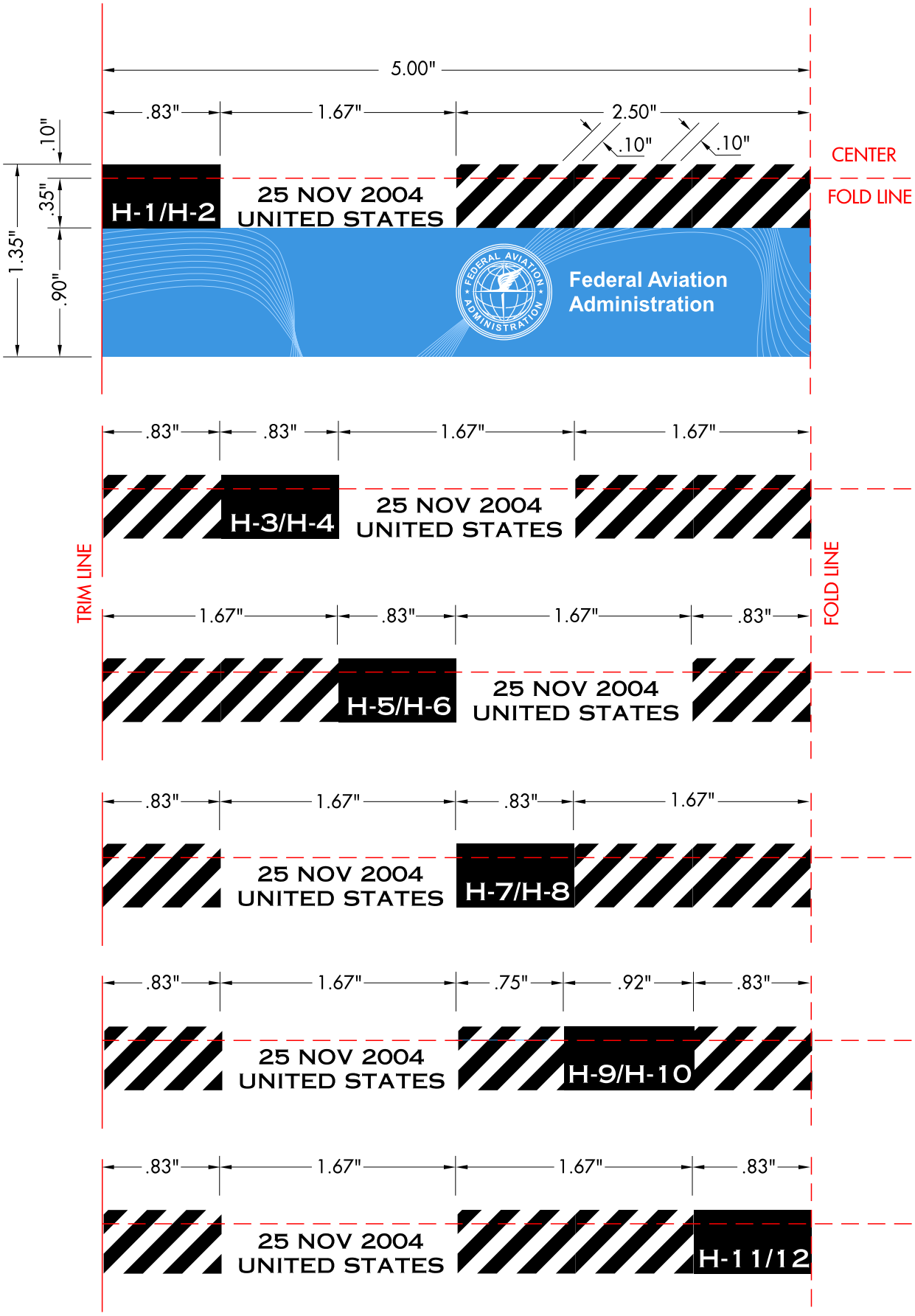
APPENDIX 14
CORRECTIONS, COMMENT, PROCUREMENT - U.S. & ALASKA



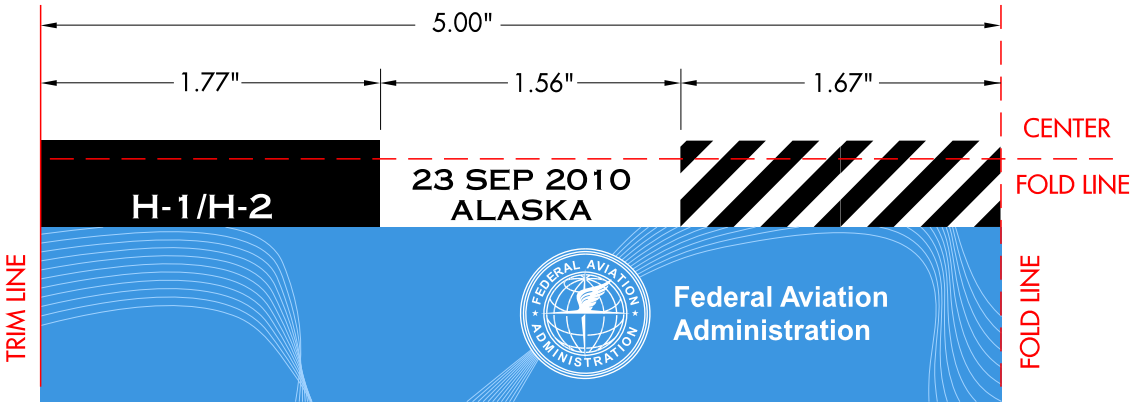
TYPE & SYMBOL SPECIFICATIONS

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

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



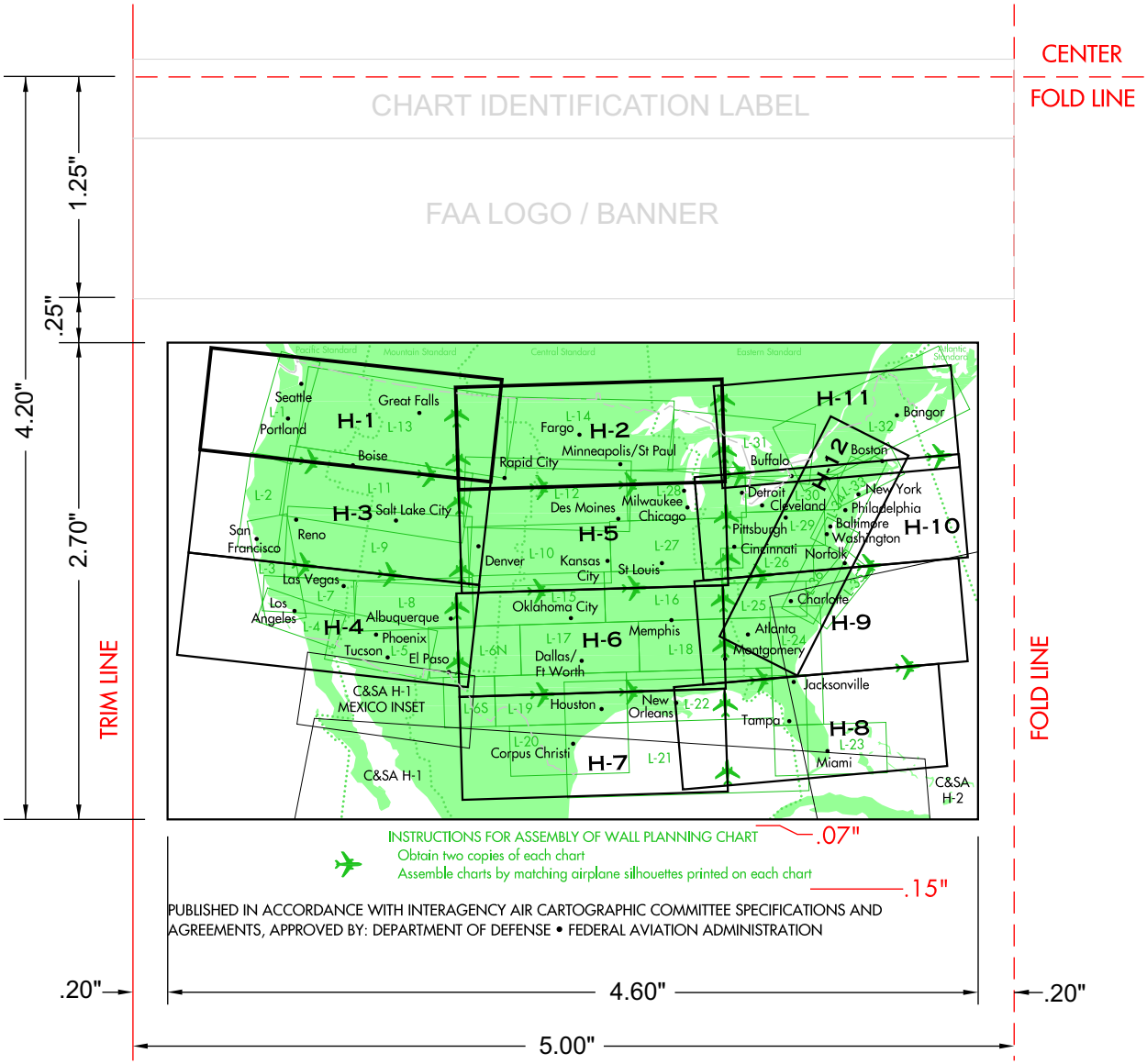
APPENDIX 15
CHART IDENTIFICATION LABELS - U.S. & ALASKA (CONTINUED)



TYPE & SYMBOL SPECIFICATIONS

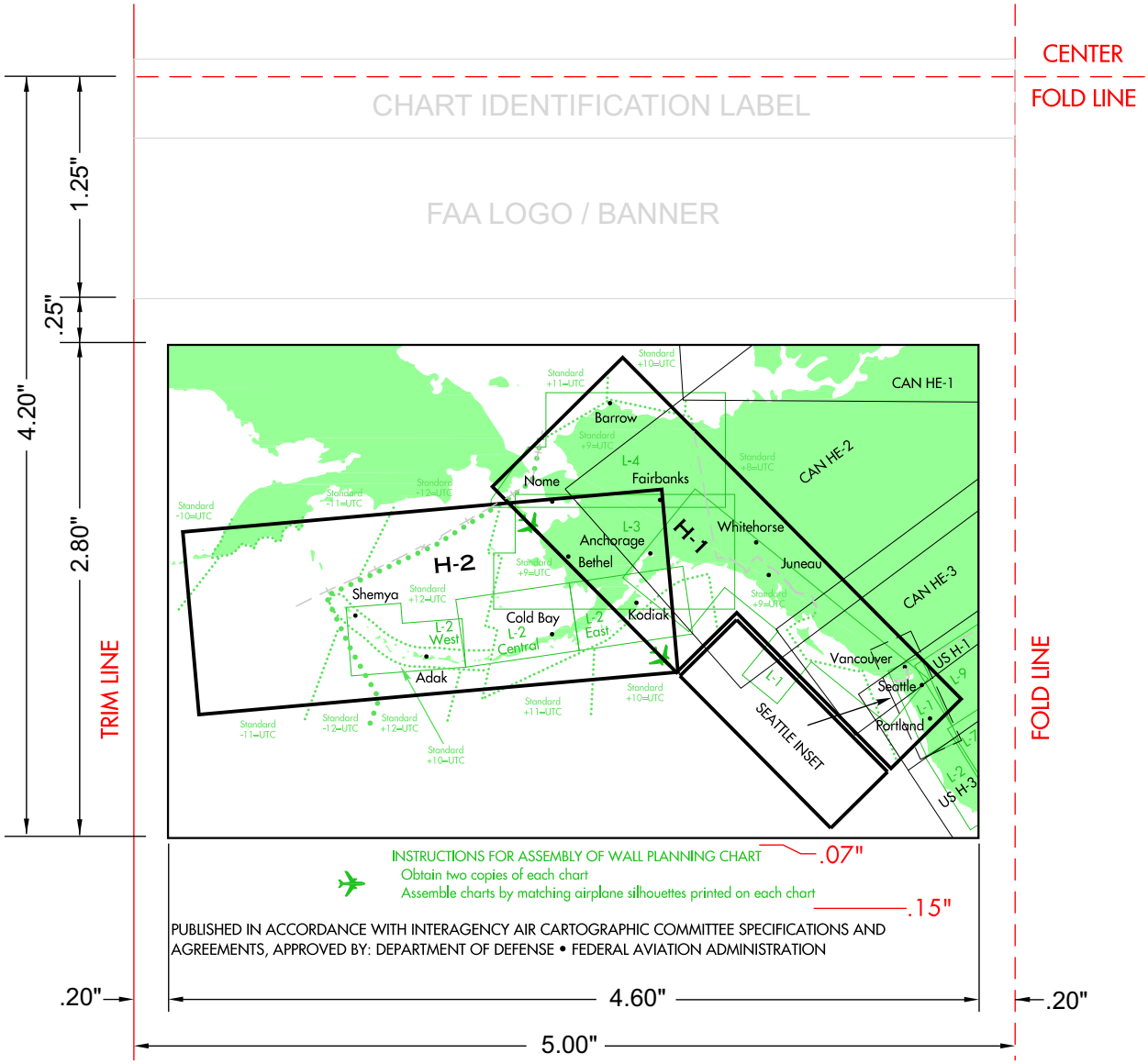
CHART IDENT LABELS		
Numbers	.13″ Copperplate Gothic 31 (Caps)/ Black	H-5/H-6
Date	.11″ Copperplate Gothic 31 (Caps)/ Black	25 NOV 2004
Area of Coverage	.11″ Copperplate Gothic 31 (Caps)/ Black	UNITED STATES

APPENDIX 16
CHART INDEXING



APPROXIMATE LINE SPACINGS SHOWN IN RED

APPENDIX 16
CHART INDEXING (CONTINUED)

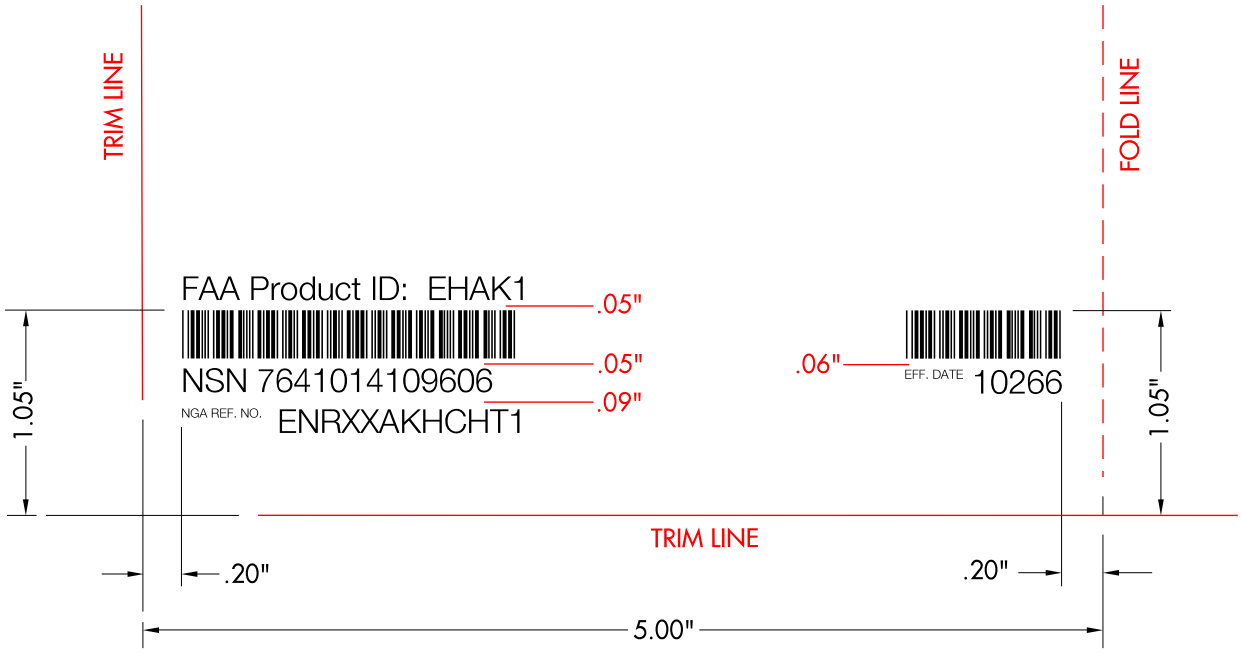


APPROXIMATE LINE SPACINGS SHOWN IN RED

APPENDIX 16
CHART INDEXING (CONTINUED)

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

APPENDIX 17
BAR CODES

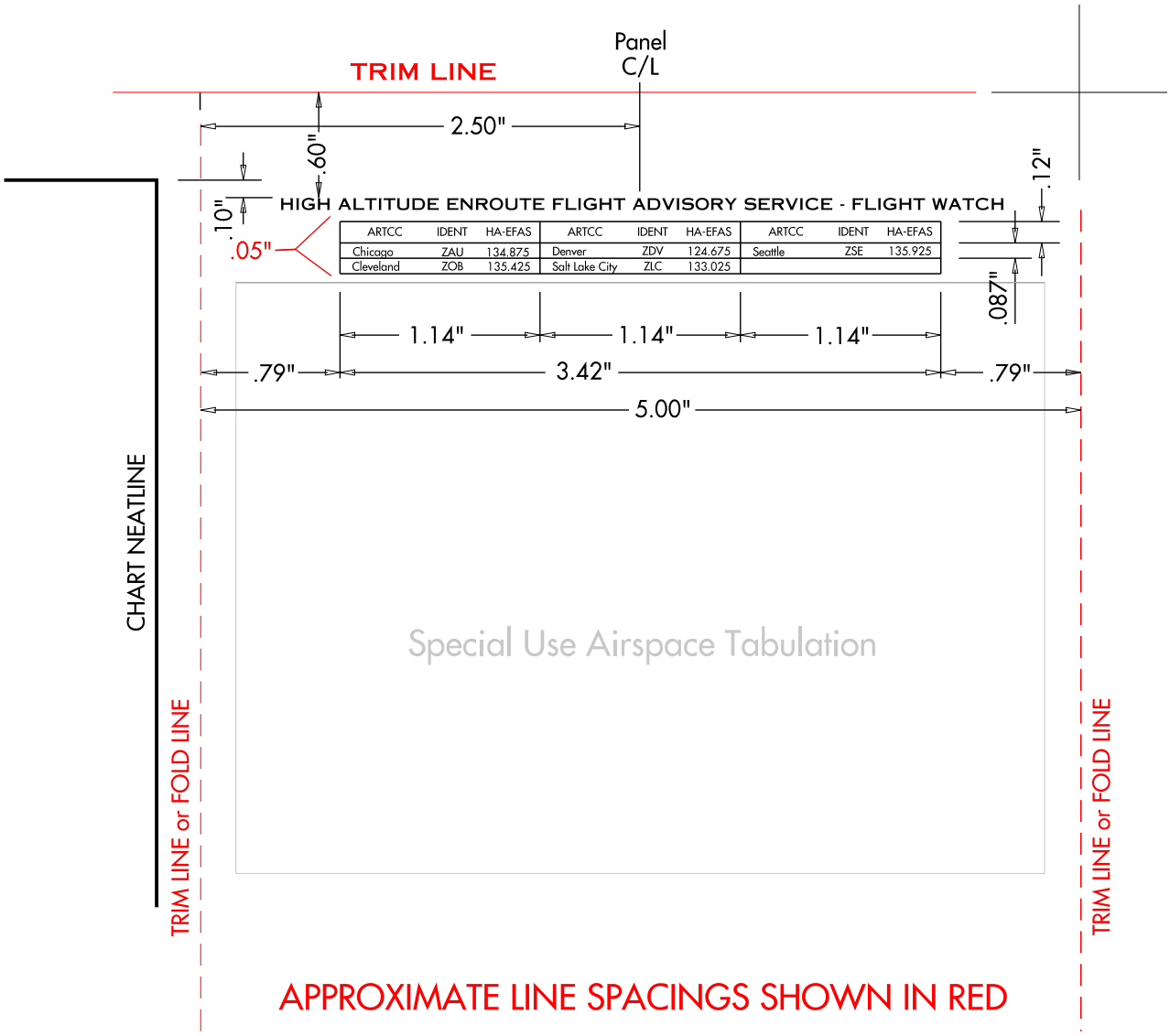


APPROXIMATE LINE SPACINGS SHOWN IN RED

TYPE & SYMBOL SPECIFICATIONS

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

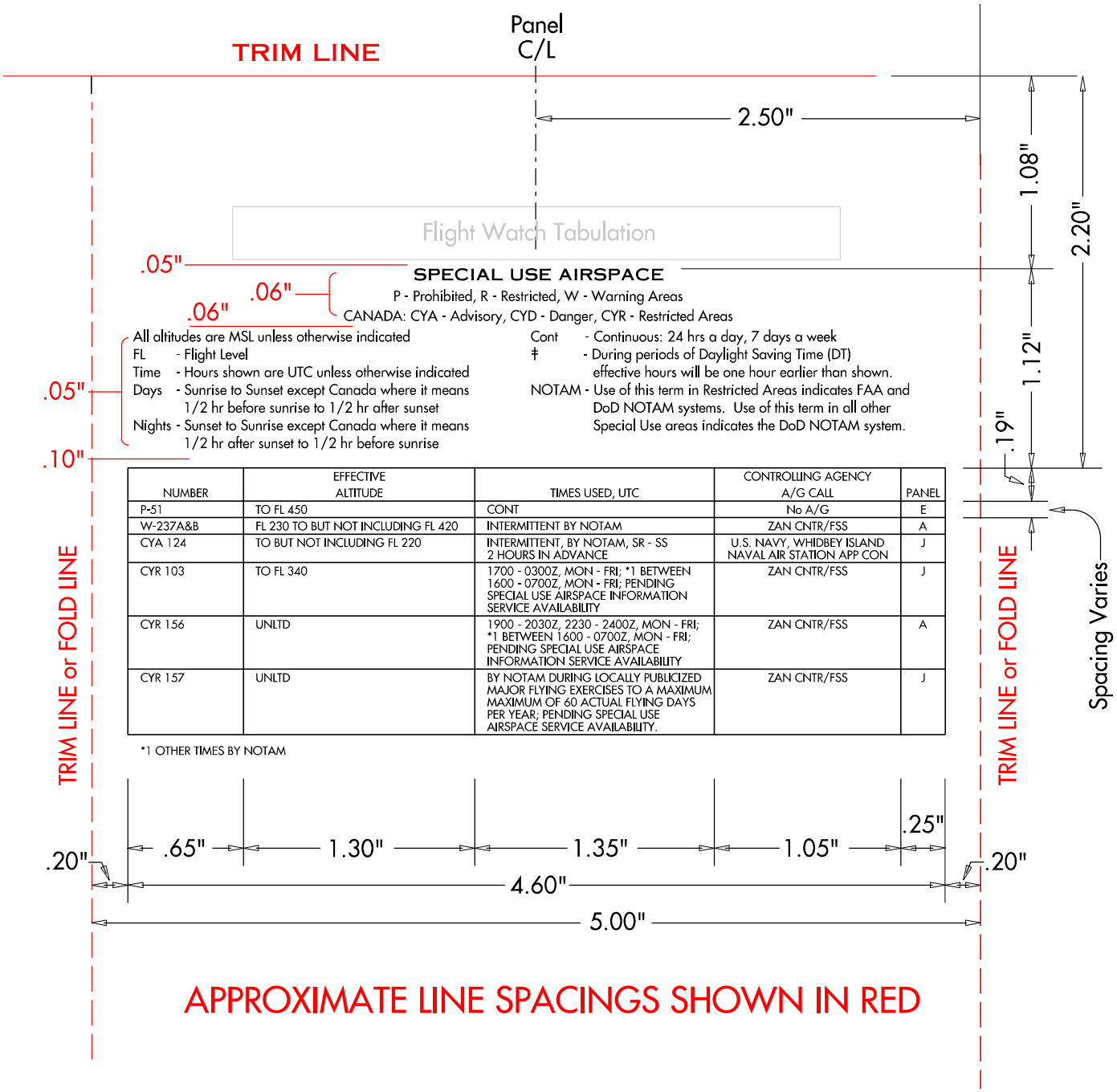
APPENDIX 18
TABULATED DATA AREA - HA-EFAS



TYPE & SYMBOL SPECIFICATIONS

Title	.07" Copperplate Gothic 31 (Caps)/ Black	HIGH ALTITUDE ENROUTE.....
Column Headings	.05" Futura Medium (Caps)/ Black	ARTCC IDENT HA-EFAS
Tabulated Information	.05" Futura Medium (C/L)/ Black	Chicago ZAU 134.875
Table Lineweights	.008" Black	

APPENDIX 19
TABULATED DATA AREA - SPECIAL USE AIRSPACE



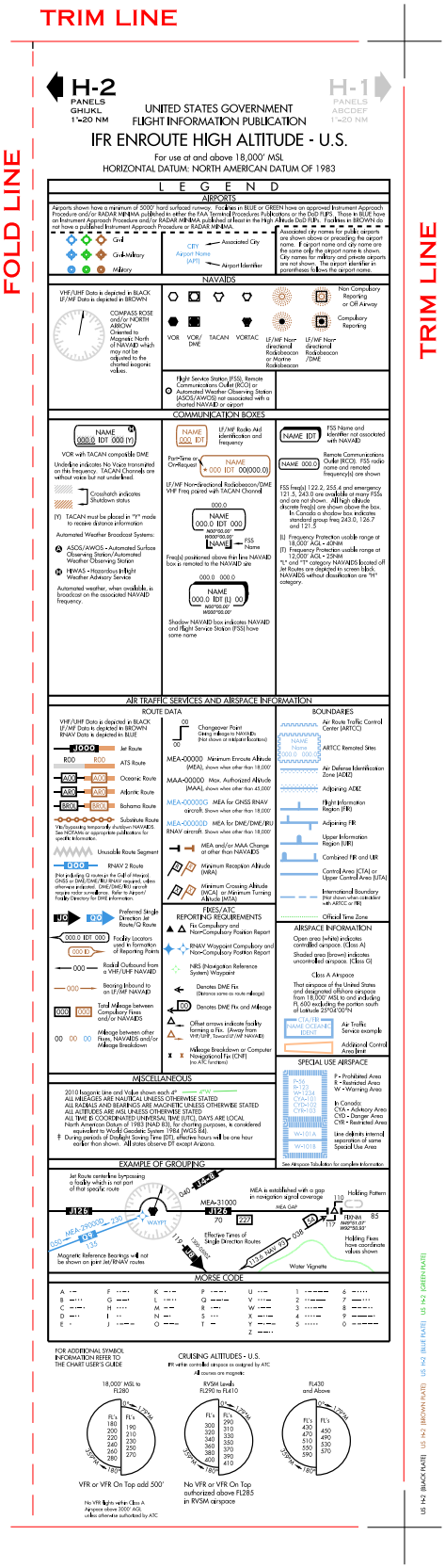
NUMBER	EFFECTIVE ALTITUDE	TIMES USED, UTC	CONTROLLING AGENCY A/G CALL	PANEL
P-51	TO FL 450	CONT	No A/G	E
W-237A&B	FL 230 TO BUT NOT INCLUDING FL 420	INTERMITTENT BY NOTAM	ZAN CNTR/FSS	A
CYA 124	TO BUT NOT INCLUDING FL 220	INTERMITTENT, BY NOTAM, SR - SS 2 HOURS IN ADVANCE	U.S. NAVY, WHIDBEY ISLAND NAVAL AIR STATION APP CON	J
CYR 103	TO FL 340	1700 - 0300Z, MON - FRI; *1 BETWEEN 1600 - 0700Z, MON - FRI; PENDING SPECIAL USE AIRSPACE INFORMATION SERVICE AVAILABILITY	ZAN CNTR/FSS	J
CYR 156	UNLTD	1900 - 2030Z, 2230 - 2400Z, MON - FRI; *1 BETWEEN 1600 - 0700Z, MON - FRI; PENDING SPECIAL USE AIRSPACE INFORMATION SERVICE AVAILABILITY	ZAN CNTR/FSS	A
CYR 157	UNLTD	BY NOTAM DURING LOCALLY PUBLICIZED MAJOR FLYING EXERCISES TO A MAXIMUM MAXIMUM OF 60 ACTUAL FLYING DAYS PER YEAR; PENDING SPECIAL USE AIRSPACE SERVICE AVAILABILITY.	ZAN CNTR/FSS	J

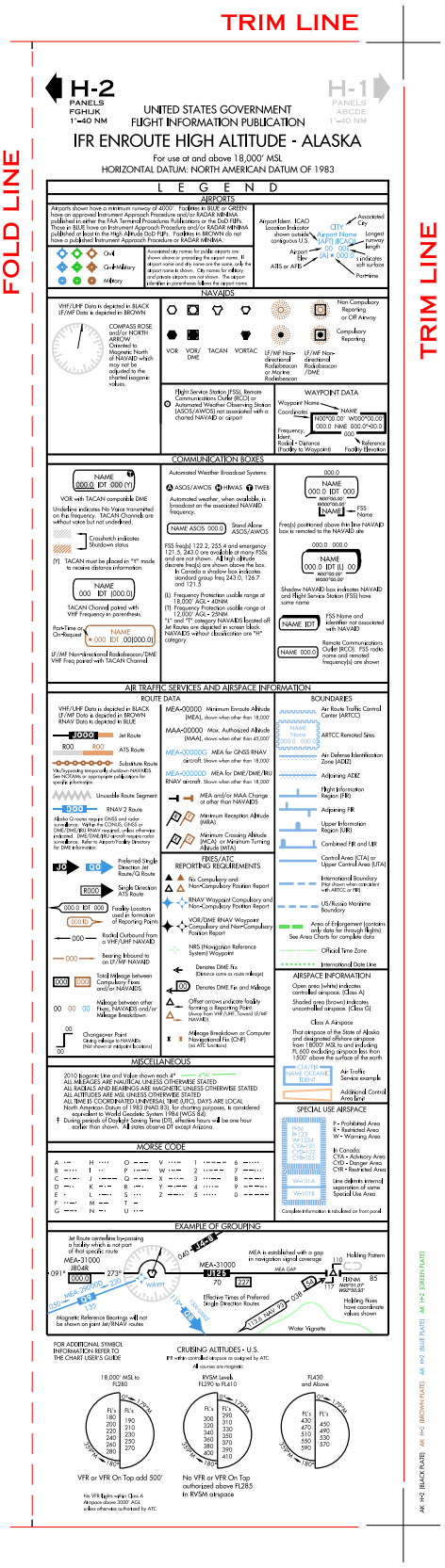
*1 OTHER TIMES BY NOTAM

APPENDIX 19
TABULATED DATA AREA - SPECIAL USE AIRSPACE

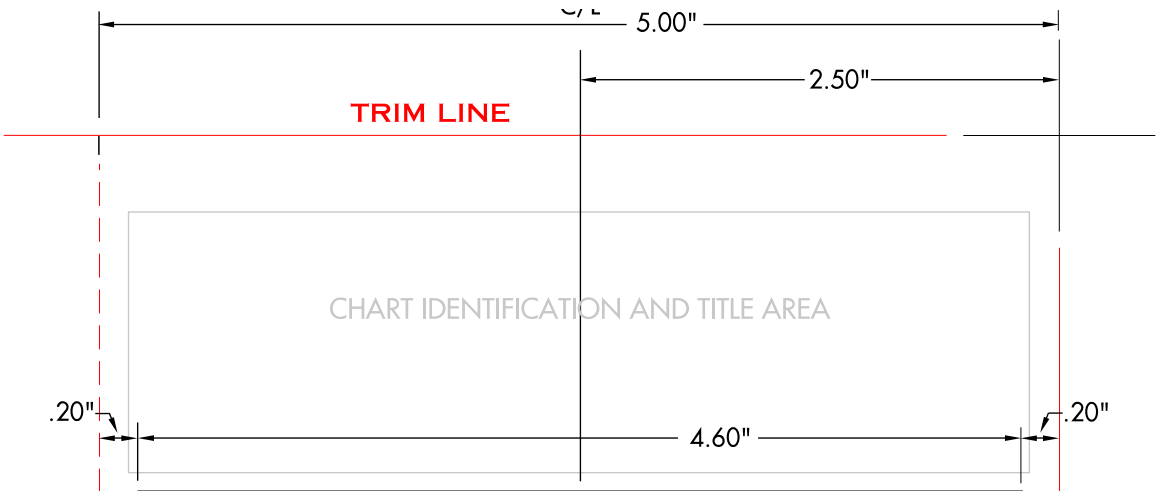
TITLE		
Main Heading	.07″ Copperplate Gothic 31 (Caps)/ Black	SPECIAL USE AIRSPACE
Secondary Heading	.06″ Futura Medium (Caps)/ Black	P - Prohibited, R - Restricted, W - Warning Areas....
Additional Text	.06″ Futura Medium (C/L)/ Black	All altitudes are MSL unless otherwise indicated....
TABULATION		
Column Headings	.05″ Futura Medium (C/L)/ Black	NUMBER
Tabulated Information	.05″ Futura Medium (C/L)/ Black	R-4201A
Box Lineweight	.008″ Black	

APPENDIX 20
LEGEND PANEL INFORMATION - GENERAL - U.S. & ALASKA





APPENDIX 21
LEGEND PANEL INFORMATION - U.S.



FOLD LINE

TRIM LINE

L E G E N D

AIRPORTS

Airports shown have a minimum of 5000' hard surfaced runway. Facilities in BLUE or GREEN have an approved Instrument Approach Procedure and/or RADAR MINIMA published in either the FAA Terminal Procedures Publications or the DoD FLIPS. Those in BLUE have an Instrument Approach Procedure and/or RADAR MINIMA published at least in the High Alitude DoD FLIPs. Facilities in BROWN do not have a published Instrument Approach Procedure or RADAR MINIMA.

Civil

Civil-Military

Military

CITY ← Associated City

Airport Name (APT)

← Airport Identifier

Associated city names for public airports are shown above or preceding the airport name. If airport name and city name are the same only the airport name is shown. City names for military and private airports are not shown. The airport identifier in parentheses follows the airport name.

NAVAIDS

VHF/UHF Data is depicted in BLACK
LF/MF Data is depicted in BROWN

COMPASS ROSE and/or NORTH ARROW Oriented to Magnetic North of NAVAID which may not be adjusted to the charted isogonic values.

VOR | VOR/DME | TACAN | VORTAC | LF/MF Non-directional Radiobeacon or Marine Radiobeacon | LF/MF Non-directional Radiobeacon /DME

Non Compulsory Reporting or Off Airway

Compulsory Reporting

Flight Service Station (FSS), Remote Communications Outlet (RCO) or Automated Weather Observing Station (ASOS/AWOS) not associated with a charted NAVAID or airport

COMMUNICATION BOXES

NAME (H)
000.0 IDT 000 (Y)

VOR with TACAN compatible DME

Underline indicates No Voice transmitted on this frequency. TACAN Channels are without voice but not underlined.

Crosshatch indicates Shutdown status

(Y) TACAN must be placed in "Y" mode to receive distance information

Automated Weather Broadcast Systems:

(A) ASOS/AWOS - Automated Surface Observing Station/Automated Weather Observing Station

(H) HIWAS - Hazardous Inflight Weather Advisory Service

Automated weather, when available, is broadcast on the associated NAVAID frequency.

NAME
000 IDT

LF/MF Radio Aid identification and frequency

Part-Time or On-Request

NAME
★ 000 IDT 00(000.0)

LF/MF Non-directional Radiobeacon/DME VHF Freq paired with TACAN Channel

000.0
NAME
000.0 IDT 000
N00°00.00'
W000°00.00'
[NAME] ← FSS Name

Freq(s) positioned above thin line NAVAID box is remoted to the NAVAID site

000.0 000.0
NAME
000.0 IDT (L) 00
N00°00.00'
W000°00.00'

Shadow NAVAID box indicates NAVAID and Flight Service Station (FSS) have same name

NAME IDT

FSS Name and identifier not associated with NAVAID

NAME 000.0

Remote Communications Outlet (RCO). FSS radio name and remoted frequency(s) are shown

FSS freq(s) 122.2, 255.4 and emergency 121.5, 243.0 are available at many FSSs and are not shown. All high altitude discrete freq(s) are shown above the box. In Canada a shadow box indicates standard group freq 243.0, 126.7 and 121.5

(L) Frequency Protection usable range at 18,000' AGL - 40NM

(T) Frequency Protection usable range at 12,000' AGL - 25NM

"L" and "T" category NAVAIDS located off Jet Routes are depicted in screen black. NAVAIDS without classification are "H" category.

Continued on Legend Panel Information - U.S. (2)

APPENDIX 21
LEGEND PANEL INFORMATION - U.S. (CONTINUED)

Continued form Legend Panel Information - U.S. (1)

FOLD LINE

AIR TRAFFIC SERVICES AND AIRSPACE INFORMATION

ROUTE DATA

VHF/UHF Data is depicted in BLACK
LF/MF Data is depicted in BROWN
RNAV Data is depicted in BLUE

- J000 — Jet Route
- R00 R00 — ATS Route
- A00 A00 — Oceanic Route
- AR0 AR0 — Atlantic Route
- BR0L BR0L — Bahama Route
- Substitute Route — Via/bypassing temporarily shutdown NAVAIDS. See NOTAMs or appropriate publications for specific information.
- Unusable Route Segment
- Q00 — RNAV 2 Route — (Not including Q routes in the Gulf of Mexico). GNSS or DME/DME/IRU RNAV required, unless otherwise indicated. DME/DME/IRU aircraft require radar surveillance. Refer to Airport/Facility Directory for DME information.
- J0 Q0 — Preferred Single Direction Jet Route/Q Route
- 000.0 IDT 000 / 000 ID — Facility Locators used in formation of Reporting Points
- 000 — Radial Outbound from a VHF/UHF NAVAID
- 000 — Bearing Inbound to an LF/MF NAVAID
- 000 000 — Total Mileage between Compulsory Fixes and/or NAVAIDS
- 00 00 00 — Mileage between other Fixes, NAVAIDS and/or Mileage Breakdown
- 00 / 00 — Changeover Point — Giving mileage to NAVAIDs (Not shown at midpoint locations)
- MEA-00000 — Minimum Enroute Altitude (MEA), shown when other than 18,000′
- MAA-00000 — Max. Authorized Altitude (MAA), shown when other than 45,000′
- MEA-00000G — MEA for GNSS RNAV aircraft. Shown when other than 18,000′
- MEA-00000D — MEA for DME/DME/IRU RNAV aircraft. Shown when other than 18,000′
- MEA and/or MAA Change at other than NAVAIDS
- R — Minimum Reception Altitude (MRA)
- X — Minimum Crossing Altitude (MCA) or Minimum Turning Altitude (MTA)

FIXES/ATC REPORTING REQUIREMENTS

- Fix Compulsory and Non-Compulsory Position Report
- RNAV Waypoint Compulsory and Non-Compulsory Position Report
- NRS (Navigation Reference System) Waypoint
- Denotes DME Fix (Distance same as route mileage)
- 00 — Denotes DME Fix and Mileage
- Offset arrows indicate facility forming a Fix. (Away from VHF/UHF, Toward LF/MF NAVAID)
- X X — Mileage Breakdown or Computer Navigational Fix (CNF) (no ATC functions)

BOUNDARIES

- Air Route Traffic Control Center (ARTCC)
- NAME Name 000.0 000.0 — ARTCC Remoted Sites
- Air Defense Identification Zone (ADIZ)
- Adjoining ADIZ
- Flight Information Region (FIR)
- Adjoining FIR
- Upper Information Region (UIR)
- Combined FIR and UIR
- Control Area (CTA) or Upper Control Area (UTA)
- International Boundary (Not shown when coincident with ARTCC or FIR)
- Official Time Zone

AIRSPACE INFORMATION

Open area (white) indicates controlled airspace. (Class A)

Shaded area (brown) indicates uncontrolled airspace. (Class G)

Class A Airspace

That airspace of the United States and designated offshore airspace from 18,000′ MSL to and including FL 600 excluding the portion south of Latitude 25°04′00″N

- CTA/FIR NAME OCEANIC IDENT — Air Traffic Service example
- Additional Control Area limit

SPECIAL USE AIRSPACE

- P-56 R-123 W-1234 CYA-101 CYD-102 CYR-103
  - P - Prohibited Area
  - R - Restricted Area
  - W - Warning Area
  - In Canada:
  - CYA - Advisory Area
  - CYD - Danger Area
  - CYR - Restricted Area
- W-101A / W-101B — Line delimits internal separation of same Special Use Area

See Airspace Tabulation for complete information

MISCELLANEOUS

2010 Isogonic Line and Value shown each 4° — 4°W
ALL MILEAGES ARE NAUTICAL UNLESS OTHERWISE STATED
ALL RADIALS AND BEARINGS ARE MAGNETIC UNLESS OTHERWISE STATED
ALL ALTITUDES ARE MSL UNLESS OTHERWISE STATED
ALL TIME IS COORDINATED UNIVERSAL TIME (UTC), DAYS ARE LOCAL
North American Datum of 1983 (NAD 83), for charting purposes, is considered equivalent to World Geodetic System 1984 (WGS 84).
‡ During periods of Daylight Saving Time (DT), effective hours will be one hour earlier than shown. All states observe DT except Arizona.

EXAMPLE OF GROUPING

TRIM LINE

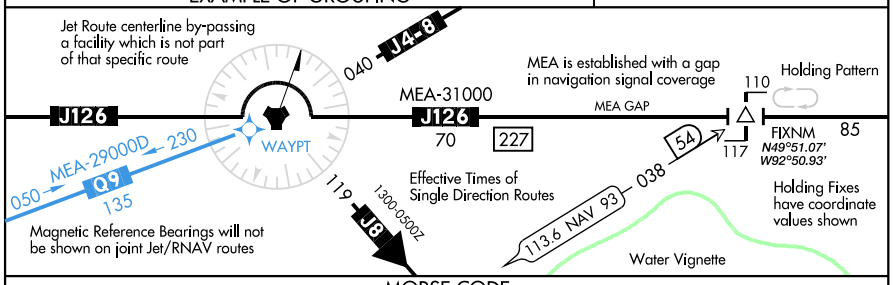
Continued on Legend Panel Information - U.S. (3)

APPENDIX 21
LEGEND PANEL INFORMATION - U.S. (CONTINUED)

Continued from Legend Panel Information - U.S. (2)

FOLD LINE

EXAMPLE OF GROUPING



MORSE CODE

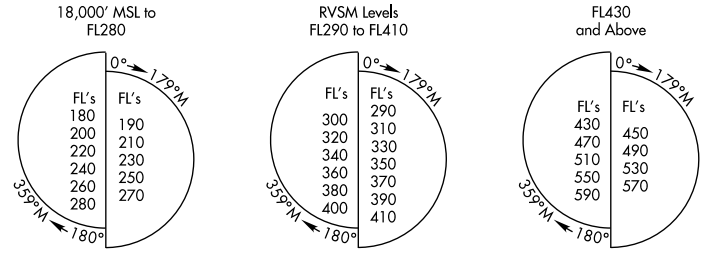
A ·–	F ··–·	K –·–	P ·––·	U ··–	1 ·––––	6 –····
B –···	G ––·	L ·–··	Q ––·–	V ···–	2 ··–––	7 ––···
C –·–·	H ····	M ––	R ·–·	W ·––	3 ···––	8 –––··
D –··	I ··	N –·	S ···	X –··–	4 ····–	9 ––––·
E ·	J ·–––	O –––	T –	Y –·––	5 ·····	0 –––––
				Z ––··		

FOR ADDITIONAL SYMBOL INFORMATION REFER TO THE CHART USER'S GUIDE

CRUISING ALTITUDES - U.S.

IFR within controlled airspace as assigned by ATC

All courses are magnetic



VFR or VFR On Top add 500'

No VFR flights within Class A Airspace above 3000' AGL unless otherwise authorized by ATC

No VFR or VFR On Top authorized above FL285 in RVSM airspace

TRIM LINE

TRIM LINE

US H-2 (BLACK PLATE) US H-2 (BROWN PLATE) US H-2 (BLUE PLATE) US H-2 (GREEN PLATE)

APPENDIX 22
LEGEND PANEL INFORMATION - ALASKA

FOLD LINE

TRIM LINE

CHART INDENTIFICATION AND TITLE AREA

L E G E N D

AIRPORTS

Airports shown have a minimum runway of 4000'. Facilities in BLUE or GREEN have an approved Instrument Approach Procedure and/or RADAR MINIMA published in either the FAA Terminal Procedures Publications or the DoD FLIPs. Those in BLUE have an Instrument Approach Procedure and/or RADAR MINIMA published at least in the High Altitude DoD FLIPs. Facilities in BROWN do not have a published Instrument Approach Procedure or RADAR MINIMA.

Civil

Civil-Military

Military

Associated city names for public airports are shown above or preceding the airport name. If airport name and city name are the same, only the airport name is shown. City names for military and private airports are not shown. The airport identifier in parentheses follows the airport name.

Airport Ident. ICAO Location Indicator shown outside contiguous U.S.

Associated City

CITY
Airport Name
(APT) (ICAO)
00 00s
(A) ★ 000.0

Longest runway length

Airport Elev

ATIS or AFIS

s indicates soft surface

Part-time

NAVAIDS

VHF/UHF Data is depicted in BLACK
LF/MF Data is depicted in BROWN

COMPASS ROSE and/or NORTH ARROW Oriented to Magnetic North of NAVAID which may not be adjusted to the charted isogonic values.

VOR

VOR/ DME

TACAN

VORTAC

LF/MF Non-directional Radiobeacon or Marine Radiobeacon

LF/MF Non-directional Radiobeacon /DME

Non Compulsory Reporting or Off Airway

Compulsory Reporting

⊙ Flight Service Station (FSS), Remote Communications Outlet (RCO) or Automated Weather Observing Station (ASOS/AWOS) not associated with a charted NAVAID or airport

WAYPOINT DATA

Waypoint Name

Coordinates

NAME
N00°00.00' W000°00.00'
000.0 NME 000.0°-00.0
000

Frequency, Ident, Radial - Distance (Facility to Waypoint)

Reference Facility Elevation

COMMUNICATION BOXES

NAME (T)
000.0 IDT 000 (Y)

VOR with TACAN compatible DME

Underline indicates No Voice transmitted on this frequency. TACAN Channels are without voice but not underlined.

Crosshatch indicates Shutdown status

(Y) TACAN must be placed in "Y" mode to receive distance information

NAME
000 IDT (000.0)

TACAN Channel paired with VHF Frequency in parenthesis.

Part-Time or On-Request

NAME
★ 000 IDT 00(000.0)

LF/MF Non-directional Radiobeacon/DME VHF Freq paired with TACAN Channel

Automated Weather Broadcast Systems:

(A) ASOS/AWOS (H) HIWAS (T) TWEB

Automated weather, when available, is broadcast on the associated NAVAID frequency.

NAME ASOS 000.0 — Stand Alone ASOS/AWOS

FSS freq(s) 122.2, 255.4 and emergency 121.5, 243.0 are available at many FSSs and are not shown. All high altitude discrete freq(s) are shown above the box. In Canada a shadow box indicates standard group freq 243.0, 126.7 and 121.5

(L) Frequency Protection usable range at 18,000' AGL - 40NM
(T) Frequency Protection usable range at 12,000' AGL - 25NM
"L" and "T" category NAVAIDS located off Jet Routes are depicted in screen black. NAVAIDS without classification are "H" category.

000.0
NAME
000.0 IDT 000
N00°00.00'
W000°00.00'
NAME — FSS Name

Freq(s) positioned above thin line NAVAID box is remoted to the NAVAID site

000.0 000.0
NAME
000.0 IDT (L) 00
N00°00.00'
W000°00.00'

Shadow NAVAID box indicates NAVAID and Flight Service Station (FSS) have same name

NAME IDT — FSS Name and identifier not associated with NAVAID

NAME 000.0 — Remote Communications Outlet (RCO). FSS radio name and remoted frequency(s) are shown

APPENDIX 22
LEGEND PANEL INFORMATION - ALASKA (CONTINUED)

Continued from Legend Panel Information - AK (1)

FOLD LINE

AIR TRAFFIC SERVICES AND AIRSPACE INFORMATION

ROUTE DATA

VHF/UHF Data is depicted in BLACK
LF/MF Data is depicted in BROWN
RNAV Data is depicted in BLUE

J000 — Jet Route

R00 R00 — ATS Route

Substitute Route
Via/bypassing temporarily shutdown NAVAIDS. See NOTAMs or appropriate publications for specific information.

Unusable Route Segment

Q00 — RNAV 2 Route
Alaska Q routes require GNSS and radar surveillance. Within the CONUS, GNSS or DME/DME/IRU RNAV required, unless otherwise indicated. DME/DME/IRU aircraft require radar surveillance. Refer to Airport/Facility Directory for DME information.

J0 Q0 — Preferred Single Direction Jet Route/Q Route

R000 — Single Direction ATS Route

000.0 IDT 000 / 000 ID — Facility Locators used in formation of Reporting Points

000 — Radial Outbound from a VHF/UHF NAVAID

000 — Bearing Inbound to an LF/MF NAVAID

000 000 — Total Mileage between Compulsory Fixes and/or NAVAIDS

00 00 00 — Mileage between other Fixes, NAVAIDS and/or Mileage Breakdown

00 / 00 — Changeover Point
Giving mileage to NAVAIDs
(Not shown at midpoint locations)

MEA-00000 Minimum Enroute Altitude (MEA), shown when other than 18,000'

MAA-00000 Max. Authorized Altitude (MAA), shown when other than 45,000'

MEA-00000G MEA for GNSS RNAV aircraft. Shown when other than 18,000'

MEA-00000D MEA for DME/DME/IRU RNAV aircraft. Shown when other than 18,000'

MEA and/or MAA Change at other than NAVAIDS

R — Minimum Reception Altitude (MRA)

X — Minimum Crossing Altitude (MCA) or Minimum Turning Altitude (MTA)

FIXES/ATC REPORTING REQUIREMENTS

Fix Compulsory and Non-Compulsory Position Report

RNAV Waypoint Compulsory and Non-Compulsory Position Report

VOR/DME RNAV Waypoint Compulsory and Non-Compulsory Position Report

NRS (Navigation Reference System) Waypoint

Denotes DME Fix
(Distance same as route mileage)

00 — Denotes DME Fix and Mileage

Offset arrows indicate facility forming a Reporting Point.
(Away from VHF/UHF, Toward LF/MF NAVAID)

X X — Mileage Breakdown or Computer Navigational Fix (CNF)
(no ATC functions)

BOUNDARIES

Air Route Traffic Control Center (ARTCC)

NAME Name 000.0 000.0 — ARTCC Remoted Sites

Air Defense Identification Zone (ADIZ)

Adjoining ADIZ

Flight Information Region (FIR)

Adjoining FIR

Upper Information Region (UIR)

Combined FIR and UIR

Control Area (CTA) or Upper Control Area (UTA)

International Boundary
(Not shown when coincident with ARTCC or FIR)

US/Russia Maritime Boundary

Area of Enlargement (contains only data for through flights)
See Area Charts for complete data

Official Time Zone

International Date Line

AIRSPACE INFORMATION

Open area (white) indicates controlled airspace. (Class A)

Shaded area (brown) indicates uncontrolled airspace. (Class G)

Class A Airspace

That airspace of the State of Alaska and designated offshore airspace from 18000' MSL to and including FL 600 excluding airspace less than 1500' above the surface of the earth

CTA/FIR NAME OCEANIC IDENT — Air Traffic Service example

Additional Control Area limit

MISCELLANEOUS

2010 Isogonic Line and Value shown each 4° — 4°W
ALL MILEAGES ARE NAUTICAL UNLESS OTHERWISE STATED
ALL RADIALS AND BEARINGS ARE MAGNETIC UNLESS OTHERWISE STATED
ALL ALTITUDES ARE MSL UNLESS OTHERWISE STATED
ALL TIME IS COORDINATED UNIVERSAL TIME (UTC), DAYS ARE LOCAL
North American Datum of 1983 (NAD 83), for charting purposes, is considered equivalent to World Geodetic System 1984 (WGS 84).
‡ During periods of Daylight Saving Time (DT), effective hours will be one hour earlier than shown. All states observe DT except Arizona.

MORSE CODE

TRIM LINE

Continued on Legend Panel Information - AK (3)

APPENDIX 22
LEGEND PANEL INFORMATION - ALASKA (CONTINUED)

FOLD LINE

Continued from Legend Panel Information - AK (2)

MISCELLANEOUS

2010 Isogonic Line and Value shown each 4° — 4°W —
ALL MILEAGES ARE NAUTICAL UNLESS OTHERWISE STATED
ALL RADIALS AND BEARINGS ARE MAGNETIC UNLESS OTHERWISE STATED
ALL ALTITUDES ARE MSL UNLESS OTHERWISE STATED
ALL TIME IS COORDINATED UNIVERSAL TIME (UTC), DAYS ARE LOCAL
North American Datum of 1983 (NAD 83), for charting purposes, is considered equivalent to World Geodetic System 1984 (WGS 84).
‡ During periods of Daylight Saving Time (DT), effective hours will be one hour earlier than shown. All states observe DT except Arizona.

MORSE CODE

A	·—	H	····	O	———	V	···—	1	·————	6	—····
B	—···	I	··	P	·——·	W	·——	2	··———	7	——···
C	—·—·	J	·———	Q	——·—	X	—··—	3	···——	8	———··
D	—··	K	—·—	R	·—·	Y	—·——	4	····—	9	————·
E	·	L	·—··	S	···	Z	——··	5	·····	0	—————
F	··—·	M	——	T	—						
G	——·	N	—·	U	··—						

SPECIAL USE AIRSPACE

P-56
R-123
W-1234
CYA-101
CYD-102
CYR-103

W-101A
W-101B

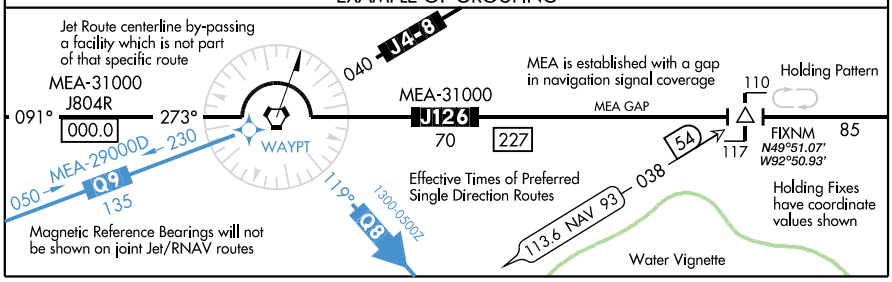
P - Prohibited Area
R - Restricted Area
W - Warning Area

In Canada:
CYA - Advisory Area
CYD - Danger Area
CYR - Restricted Area

Line delimits internal separation of same Special Use Area

Complete information is tabulated on front panel

EXAMPLE OF GROUPING

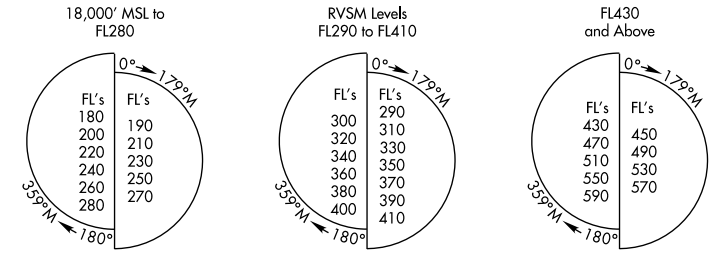


FOR ADDITIONAL SYMBOL INFORMATION REFER TO THE CHART USER'S GUIDE

CRUISING ALTITUDES - U.S.

IFR within controlled airspace as assigned by ATC

All courses are magnetic



VFR or VFR On Top add 500'

No VFR flights within Class A Airspace above 3000' AGL unless otherwise authorized by ATC

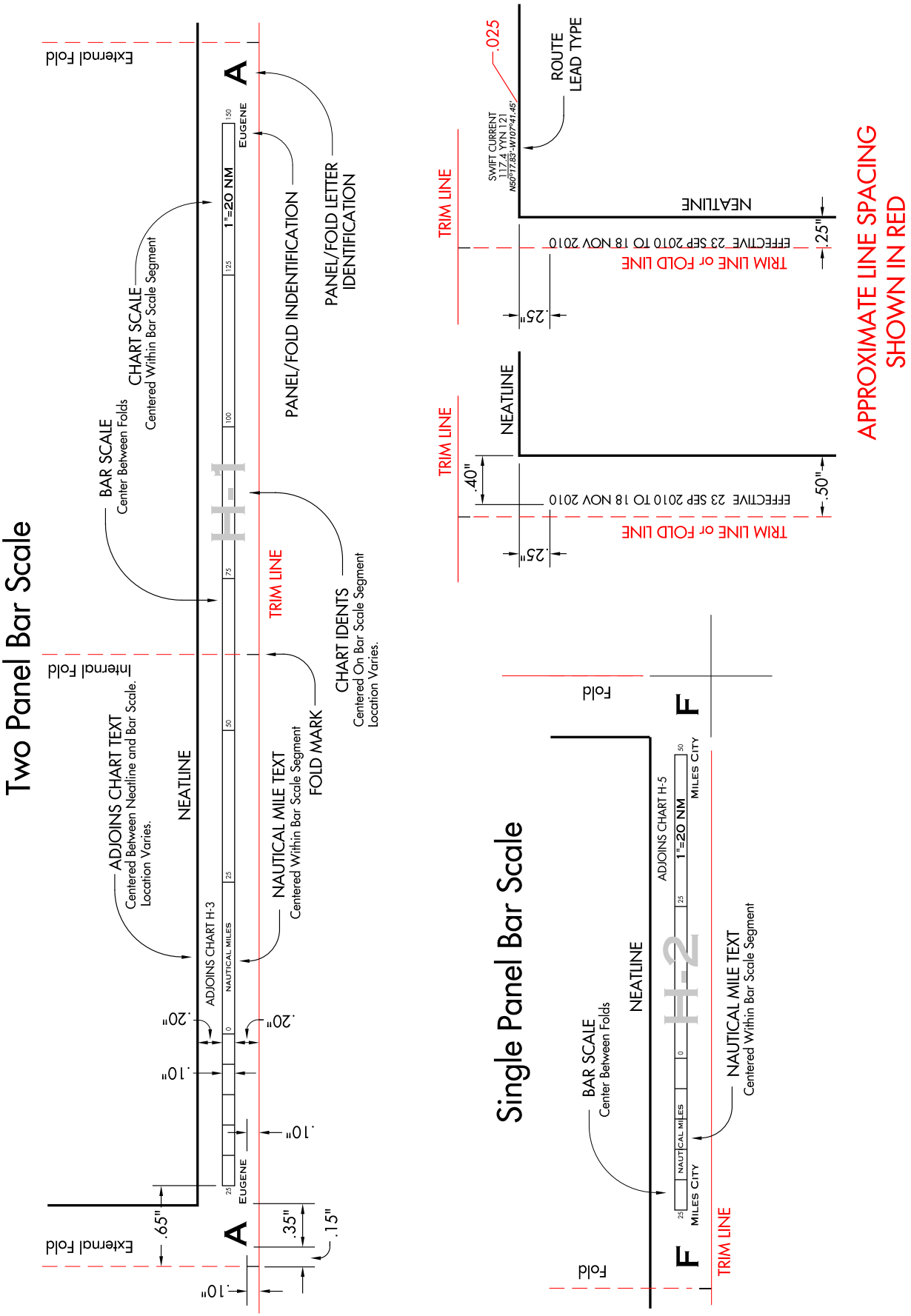
No VFR or VFR On Top authorized above FL285 in RVSM airspace

TRIM LINE

TRIM LINE

AK H-2 (BLACK PLATE) AK H-2 (BROWN PLATE) AK H-2 (BLUE PLATE) AK H-2 (GREEN PLATE)

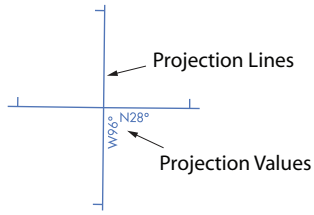
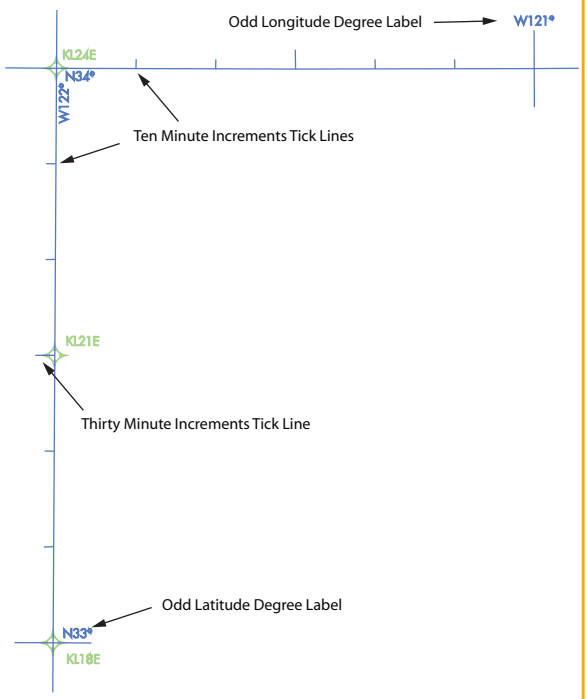
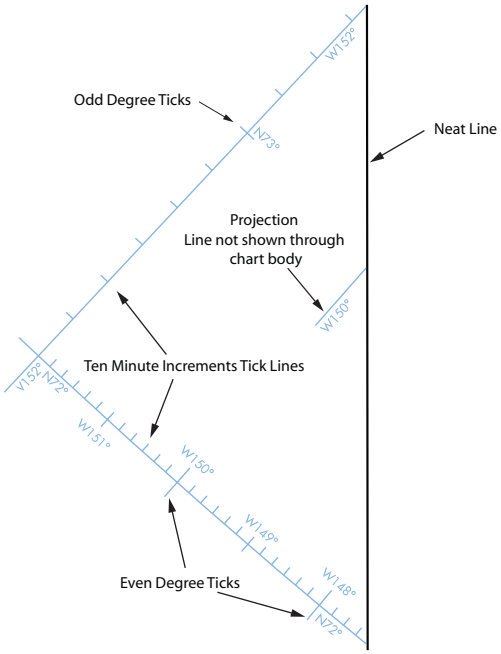
APPENDIX 23
MARGIN INFORMATION



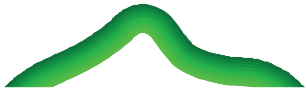
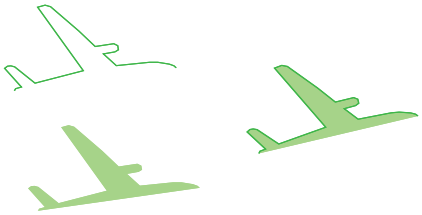
APPENDIX 23
MARGIN INFORMATION (CONTINUED)

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 IDENTS			
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	N49°59.00'-W118°19.10'

APPENDIX 24
PROJECTION TYPE AND SYMBOL SPECIFICATIONS

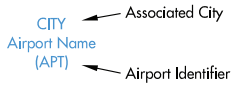
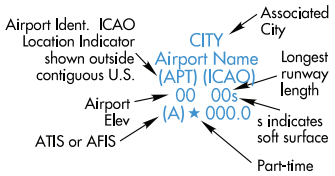
CHART DETAIL			
PROJECTION			
Projection Values (All Charts)	CAPS	.05” Futura Medium	
Projection Lines (All Charts)		45% Blue .007”	
Projection Color and Lines		45% Blue	
LATITUDE/LONGITUDE - U.S.			
Ten Minute Tick Lines		.05” Length	
Thirty Minute Tick Lines		.10” Length	
Odd Degree Tick Lines		.40”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

APPENDIX 25
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 26
AIRPORT INFORMATION TYPE & SYMBOL SPECIFICATIONS

CHART DETAIL - AIRPORTS

.06" Futura Medium (Caps)/ Green/Blue/Brown	 **Airport Data - U.S. Charts**	 **Airport Data - AK Charts**

AIRPORT DATA (U.S. and Alaska)			
First Line			
Associated City Name(s)	CAPS	.06" Futura Medium	CITY
Second Line			
Airport Name	C/L	.06" Futura Medium	Airport Name
Third Line			
FAA Airport Identifier	CAPS	.06" Futura Medium	(APT)
ICAO Identifier (AK ONLY)	CAPS	.06" Futura Medium	(ICAO)

AIRPORT DATA (Alaska)			
Fourth Line			
Airport Elevation and Runway Length		.06" Futura Medium	00
Runway Surface	L/C	.06" Futura Medium	s
Fifth Line			
ATIS/AFIS	CAPS	.06" Futura Medium	000.0
ATIS/AFIS Frequency		.06" Futura Medium	(A)

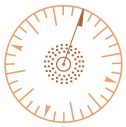
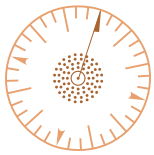
AIRPORT COLOR (U.S. and Alaska)			U.S.	Alaska
Airports with...				
Approved IAP		Green	ELLENSBURG Bowers Fld (ELN)	KOTZEBUE Ralph Wien Mem (OTZ) (PAOT) 14 59 (A) 135.45
Approved IAP & in High Altitude DoD Flips		Blue	Sheppard AFB/ Wichita Falls Muni (SPS)	Whidbey Island NAS/Ault Fld (NUW) 47 80 (A)★134.15 ★281.5
Airports without Approved IAP or RADAR MINIMA		Brown	KELLOGG Shoshone Co (S83)	Donlin Creek Pvt (Ø1AA) (PFCR) 750 49s

APPENDIX 27
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 28
NAVAID IDENTIFICATION BOXES

NAVAIDs - IDENTIFICATION BOXES					
		VHF/UHF	LF/MF	VHF/UHF	LF/MF
NAVIAD Identification Box Data Font & Size Color	CAPS	.07” Futura Medium Black	Brown	BILLINGS 114.5 BIL 92	BILLINGS 114.5 BIL 92
No Voice Underline Color		.007” Black	Brown		
Box Lineweight Color		.010” Black	Brown		
Gepgraphic Coordinates Color	CAPS	.05” Helvetica 66 Medium Italic Black	Brown	N45°48.51' W108°37.48'	N45°48.51' W108°37.48'
Abnormal Status Lineweight Color		.005” 45 % Black	45% Brown		

APPENDIX 29
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 Lineweight		Black .007”	
FSS/RCO Name Color	CAPS	.07” Futura Medium Black	BURLINGTON
“L” Brackets Lineweight Color Lineweight		Black .012”	
Frequencies Color		.06” Futura Medium Black	122.1R
Operational Hours Color	CAPS	.05” Futura Medium Black	FSS AVAILABLE 1330-0730Z‡

APPENDIX 30
AUTOMATED WEATHER BROADCAST SYSTEM TYPE & SYMBOL SPECIFICATIONS

AUTOMATED WEATHEER BROADCAST SYSTEM					
AUTOMATED WEATHER BROADCAST SYSTEM		Color same as associated NAVAID	ASOS/AWOS	HIWAS	TWEB
Color - VHF/UHF		Black	A	H	T
Color - LF/MF		Brown	A	H	T
STAND ALONE AWOS & ASOS					
AWOS / ASOS Data Color	CAPS	.07” Futura Medium Black	STAMPEDE PASS ASOS 135.275		
Box Lineweight Color		.007” Black			

APPENDIX 31
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	MEXICO MMFR UNLTD GND
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 Canadian Airspace Classification Note & Canadian Southern Control Area Note Color Box Lineweight Color	CAPS CAPS	.06" Futura Medium Black .05" Futura Medium Black .015" Black	NOTE: REFER TO CURRENT CANADIAN CHARTS ••• AIRSPACE CLASSIFICATION (SEE CANADA FLIGHT •••
FOREIGN AIRSPACE NOTES - MEXICO Mexican Airspace Effective Note Color Altimeter Setting Note Color Mexican "Repot to FAA" Note Color Box Lineweight Color	CAPS CAPS CAPS	.06" Futura Medium Black .05" Futura Medium Black .05" Futura Medium Black .015" Black	MEXICAN HIGH ALTITUDE ALTIMETER SETTING WITHIN MONTERREY ACC ••• REPORT TO FAA RADIO •••
FOREIGN AIRSPACE NOTES - ALL EXLUDING CANADA Foreign Airspace Note - DoD Color Box Lineweight Color	CAPS	.06" Futura Medium Black .015" Black	DOD USERS •••
FOREIGN AIRSPACE NOTES - HAVANA FIR & OTHER MISC NOTES Color	CAPS	.05" Futura Medium Black	CAUTION: ACCURACY OF •••

APPENDIX 31
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 Lineweight Color	 CAPS	 .06” Futura Medium 45% Blue .005” 45% Blue	 SEATTLE SALT LAKE CITY
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 31
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	 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 32
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 Lineweight & Color		.02"/Black			
RNAV "Q" ROUTES Lineweight & Color		.02"/Blue			
GNSS Note Font Color	CAPS	.07" Futura Medium Blue		GNSS REQUIRED	
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			
SUBSTITUTE ROUTES Symbol & Color		Brown			
"Unusable" Font Color	CAPS	.05" Futura Medium Black		UNUSABLE	

APPENDIX 33
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		VHF/UHF LF/MF	VHF/UHF	LF/MF
Identifier	CAPS	Black Brown .07" Futura Medium (May be reduced to .06" in congested areas)	A000	A000
OCEANIC, ATLANTIC & BAHAMA ROUTES		VHF/UHF LF/MF	VHF/UHF	LF/MF
Identifier	CAPS	Black Brown .07" Futura Medium (May be reduced to .06" in congested areas)	A000	A000
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	CAPS	.07" Futura Medium/Black (May be reduced to .06" in congested areas)	Q100	
Box Lineweight & Color		.01"/Black		
(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	CAPS	.07" Futura Medium/Brown (May be reduced to .06" in congested areas)	51	
Box Lineweight & Color		.01"/Brown		
SINGLE DIRECTION ROUTES Arrowhead for all routes		Color as appropriate for route type		
Box Lineweight (ATS, Gulf of Mexico "Q", Oceanic Atlantic and Bahama Routes)		.01"/Color as appropriaate for route type		
Hours of Operation - Font Color	CAPS	.05" Futura Medium Black / Brown / Blue	1100 0300Z	1100 0300Z 1300 0600Z

APPENDIX 33
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)		VHF/UHF	LF/MF	RNAV Q	VHF/UHF	LF/MF	RNAV Q
Altitude and Flight Levels	CAPS	Black	Brown	Blue	MAA-41000 MEA-24000		
		.07" Futura Medium (May be reduced to .06" in congested areas)			FL 180	FL 180	
RNAV MEA Altitude							MEA-20000G
"T" Symbol		VHF/UHF	LF/MF	RNAV Q	VHF/UHF	LF/MF	RNAV Q
Color		Black	Brown	Blue			
Lineweight		.015"					
MEA GAP NOTE	CAPS	.05" Futura Medium/Black			MEA GAP		
MCA / MTA					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
MILEAGE DISTANCES							
Mileage		.07" Futura Medium / Same color as prescibed 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 prescibed for the routeto which they pertain			TO MWH		
COP							
Mileage		.06" Futura Medium/ Black			35		
COP "TO" Note		.05" Futura Medium(Caps) / Same color as prescibed for the routeto which they pertain			TO MWH		

APPENDIX 34
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 .05″ Helvetica 66 Medium Italic (Caps) / Same color as associated fix	AMZIE CRABB
GOEGRAPHIC COORDINATES	.05″ Helvetica 66 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 34
NAVIGATIONAL & PROCEDURAL INFORMATION (CONTINUED)

RNAV WAYPOINTS		
Symbol	Blue	
Name	.06″ Futura Medium (Caps)/ Blue	PHYLS
Coordinates	.06″ Helvetica 66 Medium Italic (Caps)/ Blue	N39°33.03′ W72°41.53′
ALASKA VOR/DME WAYPOINTS		
Symbol	Black	
Information	.07″ Futura Medium (Caps)/ Black	N57°53.44′ W141°45.32′ 113.3 YAK 192.0°-117.7
Box Lineweight	.01″/ Black	
Pointer Lineweight	.007″/ Black	
NRS WAYPOINTS		
Symbol	45 % Green	
Name	.05″ Futura Medium (Caps)/45% Green	KU72M
MRA		
Symbol	.06″ Futura Medium (Caps)/ (VHF/UHF)Black - LF/MF(Brown)	R R
Information	.06″ Futura Medium (Caps)/ (VHF/UHF)Black - LF/MF(Brown) (May be reduced to .05″ in congested areas)	MRA 18000 MRA 18000
NAVAID HOLDING PATTERNS		
Holding Pattern	45 % Black	
Radial/Bearing Lineweight	.007″/ (VHF/UHF)Black - LF/MF(Brown)	
Radial/Bearing Value	.07″ Futura Medium/ (VHF/UHF)Black - LF/MF(Brown) (May be reduced to .06″ in congested areas)	210 337
Geographic Coordinates	.05″ Helvetica 66 Medium Italic (Caps)/ (VHF/UHF)Black - LF/MF(Brown)	N47°04.47′ W121°30.97′ N39°17.12′ W69°18.07′
RNAV HOLDING PATTERNS		
Holding Pattern	45% /Blue	
Magnetic Reference Bearing Lineweight	.007″ width/ Blue	
Magnetic Reference Bearing Values	.07″ Futura Medium/ Blue (May be reduced to .06″ in congested areas)	290
Geographic Coordinates	.05″ Helvetica 66 Medium Italic (Caps)/ Blue	N27°50.00′ W75°25.41′

APPENDIX 34
NAVIGATIONAL & PROCEDURAL INFORMATION (CONTINUED)

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

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