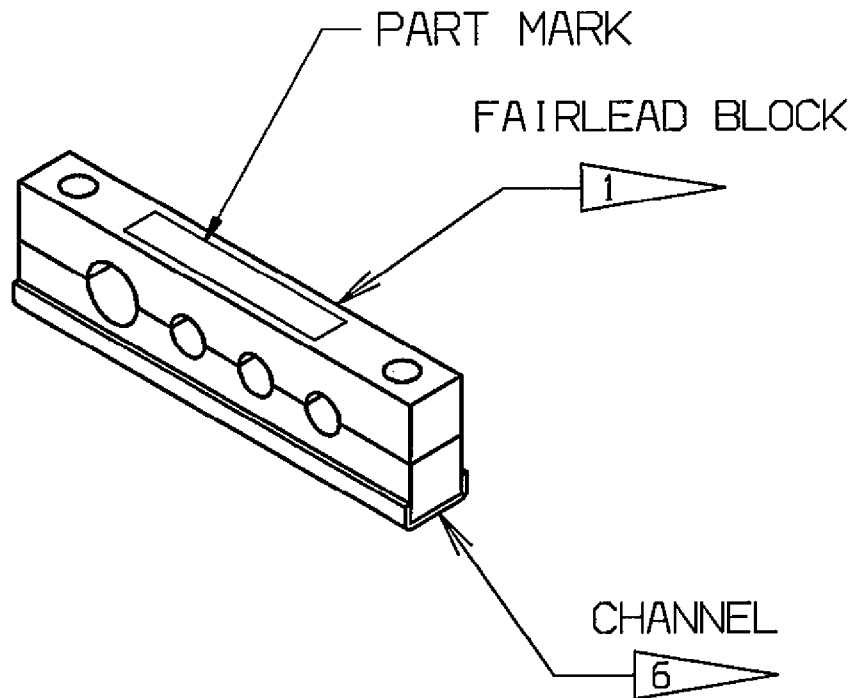




STANDARDS SHEET

FAIRLEAD ASSY
-01

NOTES:

- 1 BLOCK MATERIAL: NITRILE PER MIL SPEC MIL-C-85052/1 SHORE 'A' 65-75, COLOUR-YELLOW.
2. PARTS MOLDED OR MACHINED.
3. ALL TOLERANCES UNLESS OTHERWISE NOTED $\pm .020$.
4. SEE PAGE 02 FOR FAIRLEAD ASSY DIMENSIONS.
5. BOND CHANNEL TO FAIRLEAD.
- 6 MAKE FROM .040 6061-T6 AL OR EQUIVALENT.

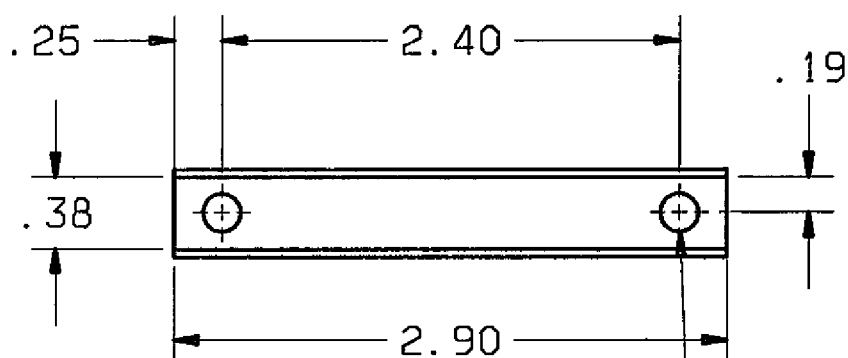
REDRAWN AT
ISSUE 'A'
P. LAM
29 JUN 94

(A)

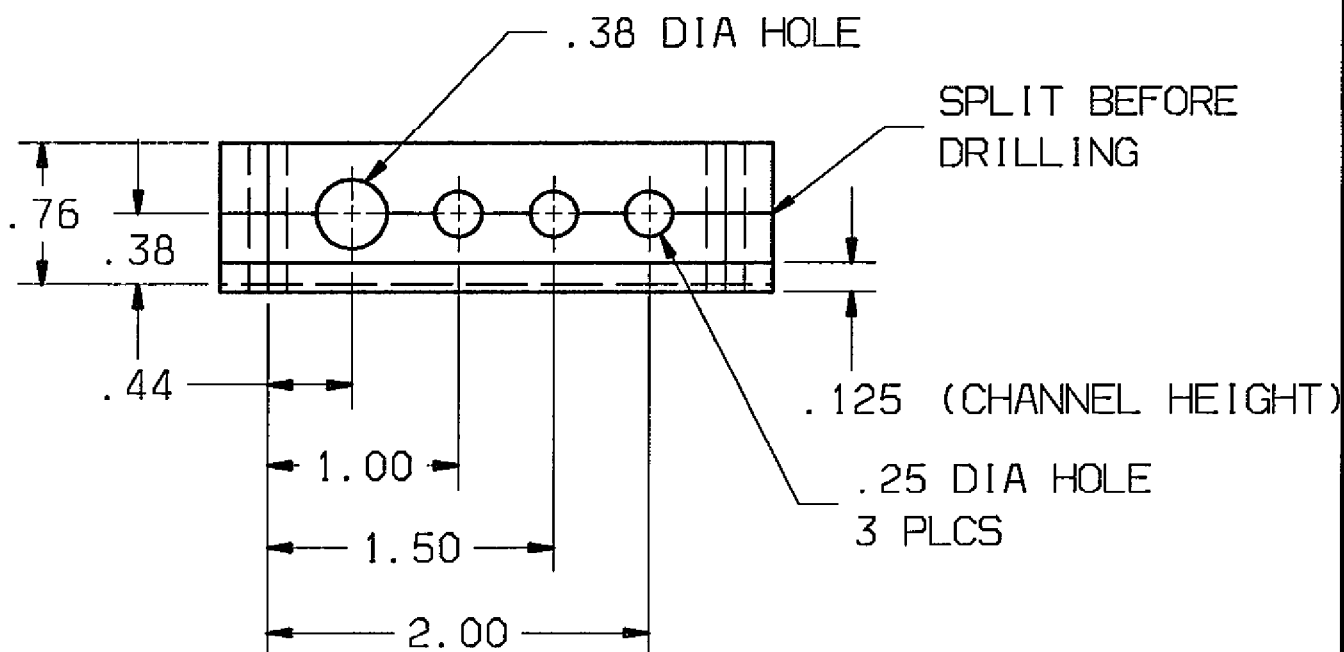
DRAWN	STEVE RAY	CLASSIFICATION	STANDARD
CHECKED	B KARIM	FAIRLEAD ASSY	CSP 460
STRESSED	F LAU	TUBE SUPPORT	
APPROVED	A WALLER		



STANDARDS SHEET



.20 DIA HOLE IN
CHANNEL AND FAIRLEAD



-01 FAIRLEAD ASSY DIMN'S

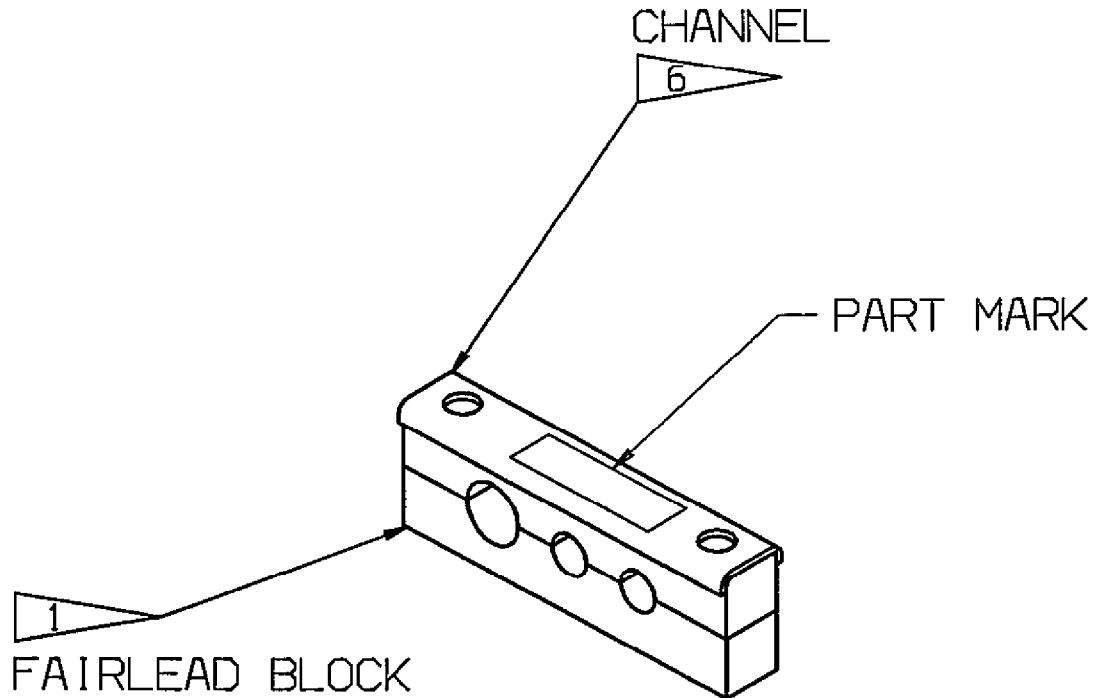
DRAWN	STEVE RAY	CLASSIFICATION	STANDARD
CHECKED	B KARIM	FAIRLEAD ASSY	CSP 460
STRESSED	F LAU	PIPE SUPPORT	
APPROVED	A WALLER		

REDRAWN AT
ISSUE 'A'
P. LAU
29 JUN 94

4



STANDARDS SHEET



FAIRLEAD ASSY

-02

NOTES:

1. BLOCK MATERIAL: NITRILE PER MIL SPEC MIL-C-85052/1 SHORE 'A' 65-75, COLOUR-YELLOW.
2. PARTS MOLDED OR MACHINED.
3. ALL TOLERANCES UNLESS OTHERWISE NOTED +/- .020.
4. SEE PAGE 04 FOR BLOCK AND CHANNEL DIMENSIONS.
5. BOND CHANNEL TO FAIRLEAD.
6. MAKE FROM .040 6061-T6 AL OR EQUIVALENT.

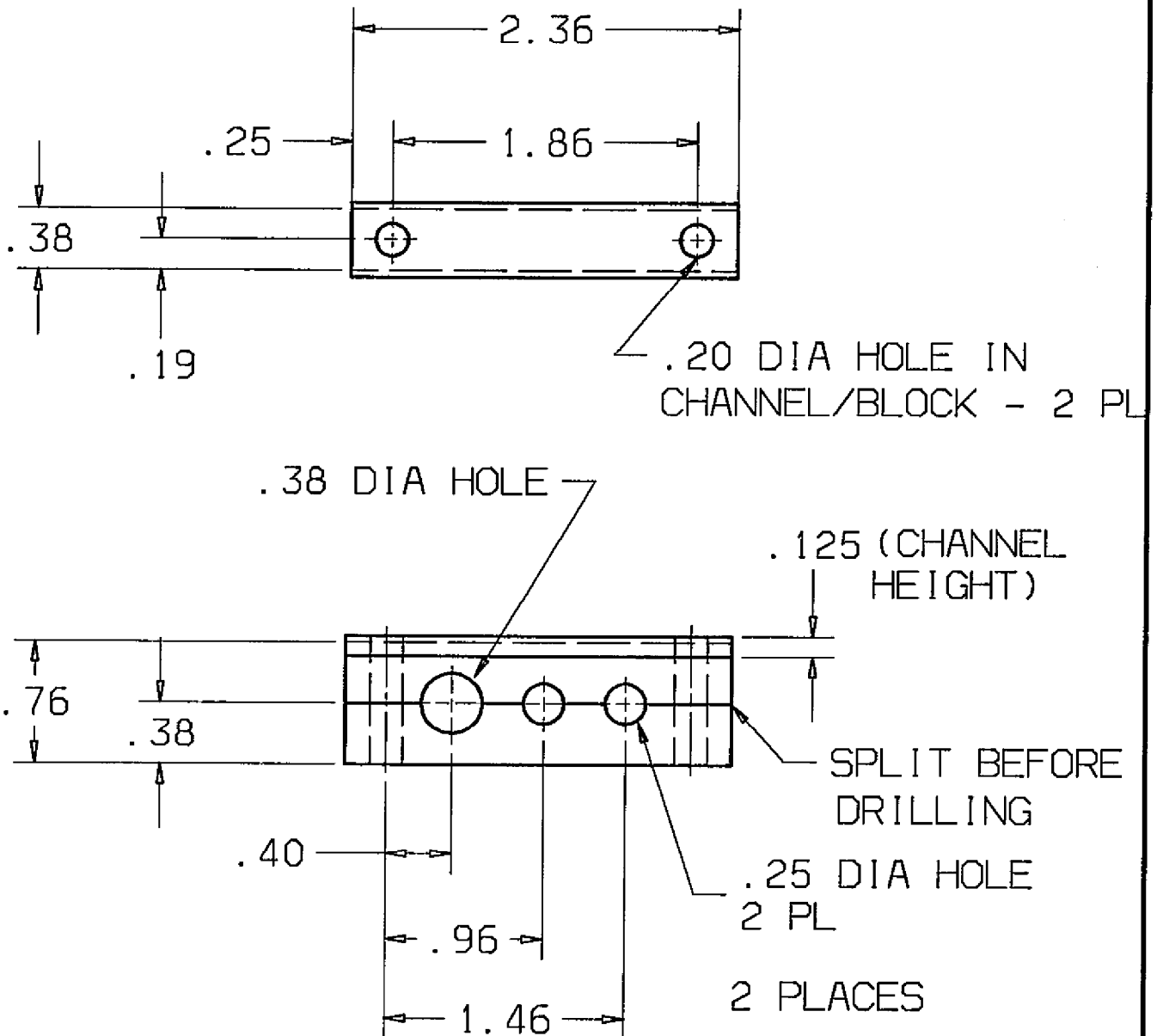
REDRAWN AT
ISSUE 'A'
P. LAM
29 JUN 94

(A)

DRAWN	MANASTERSKI	CLASSIFICATION	STANDARD
CHECKED	STEVE RAY	FAIRLEAD ASSY TUBE SUPPORT	CSP 460
STRESSED	FRANCIS LAU		
APPROVED	A. WALLER		



STANDARDS SHEET



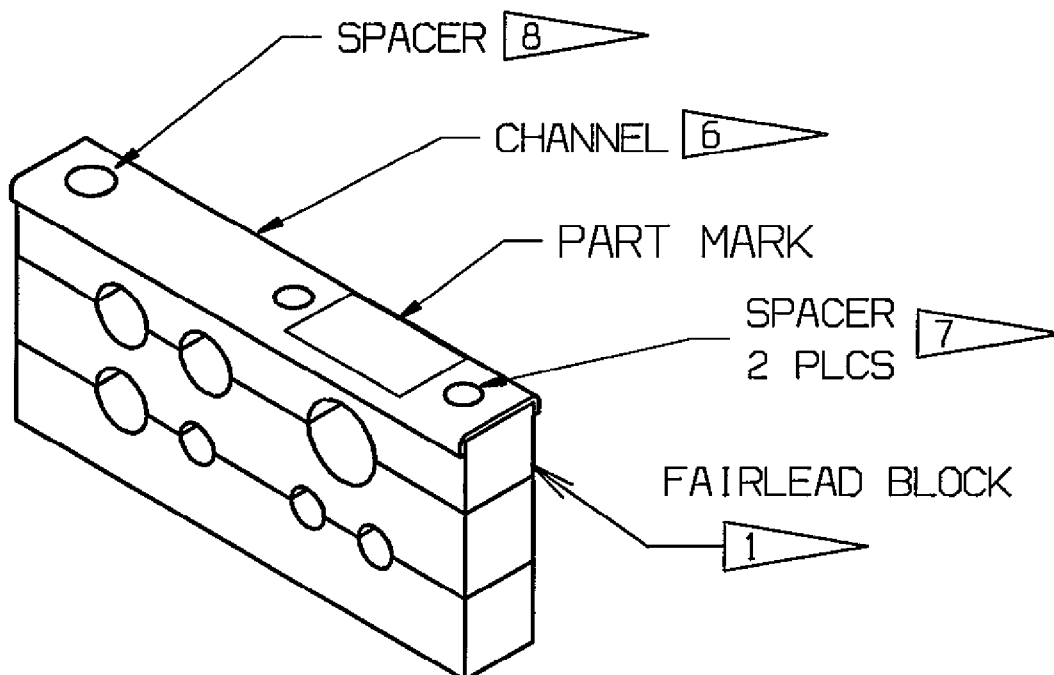
-02 FAIRLEAD ASSY DIMN'S

DRAWN	MANASTERSKI	CLASSIFICATION	STANDARD
CHECKED	STEVE RAY	FAIRLEAD ASSY	CSP 460
STRESSED	FRANCIS LAU	TUBE SUPPORT	
APPROVED	A. WALLER		

REDRAWN AT
ISSUE 'A'
P. LAM
29 JUN 94



STANDARDS SHEET

FAIRLEAD ASSY
-03

NOTES:

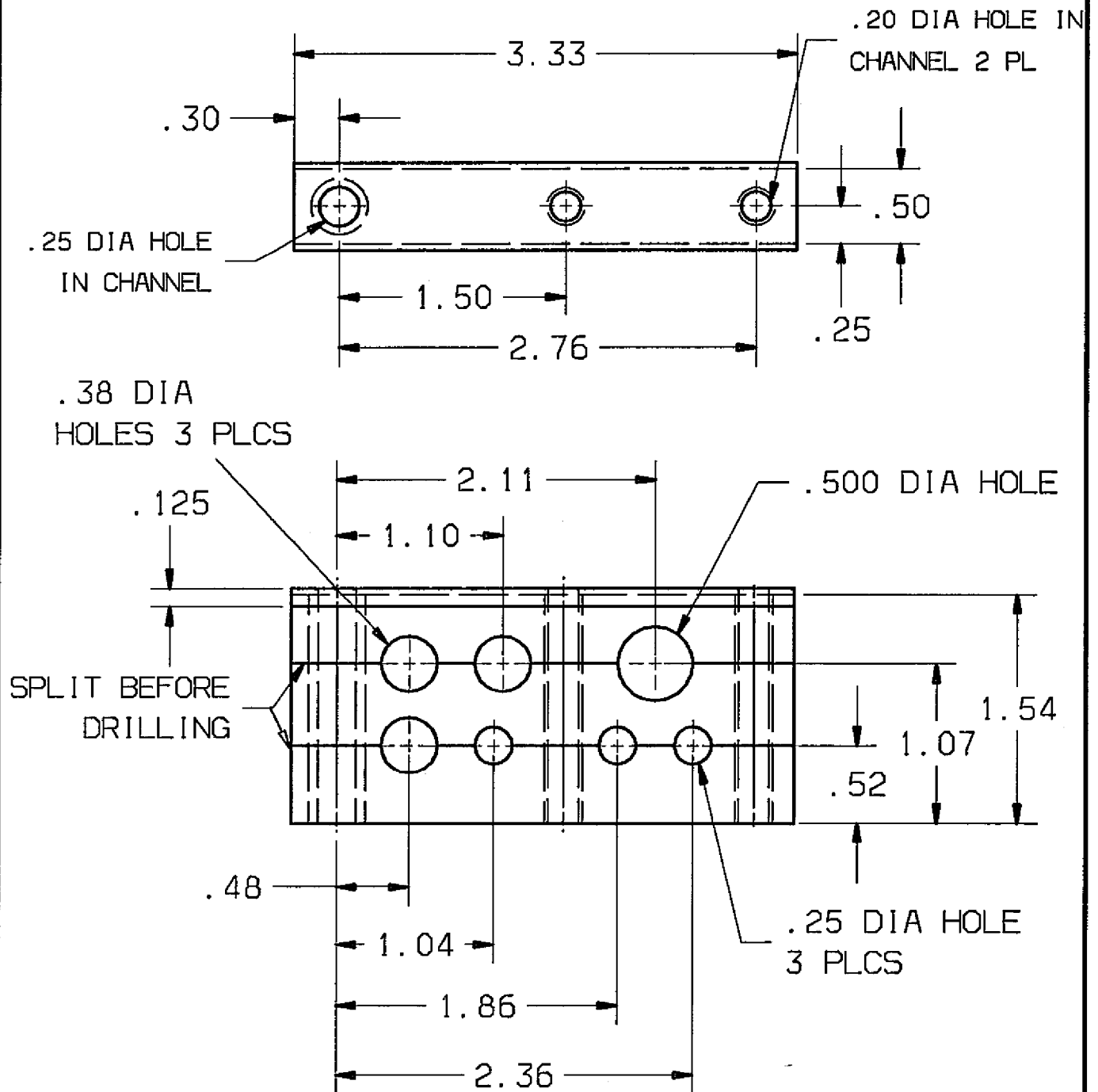
- 1 MATERIAL: NITRILE PER MIL SPEC MIL-C-85052/1
SHORE 'A' 65-75, COLOUR-YELLOW.
2. PARTS MOLDED OR MACHINED.
3. ALL TOLERANCES UNLESS OTHERWISE NOTED $\pm .020$.
4. SEE PAGE 06 FOR FAIRLEAD ASSY DIMENSIONS.
5. BOND CHANNEL TO FAIRLEAD.
- 6 MAKE FROM .040 6061-T6 AL OR EQUIVALENT.
- 7 MADE FROM .250 O/D X .028 WALL 6061-T6 AL TUBE
OR EQUIVALENT.
- 8 MADE FROM .375 O/D X .049 WALL 6061-T6 AL TUBE
OR EQUIVALENT.

REDRAWN AT
ISSUE 'A'
P. LAM
29 JUN 94

DRAWN	STEVE RAY	CLASSIFICATION	STANDARD
CHECKED	B KARIM	FAIRLEAD ASSY	
STRESSED	F LAU	TUBE SUPPORT	CSP 460
APPROVED	A WALLER		



STANDARDS SHEET



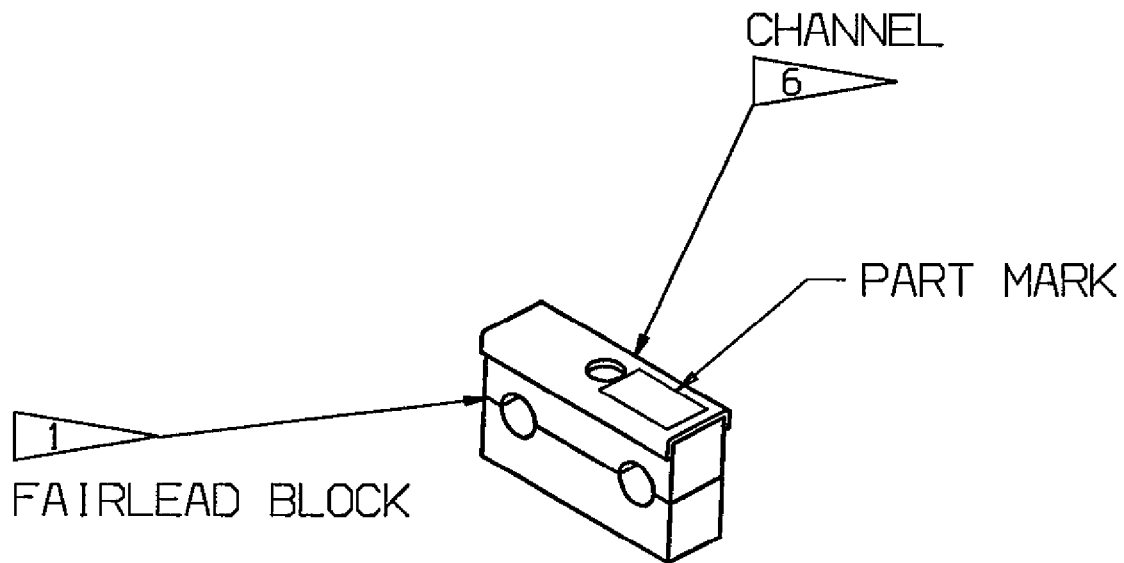
-03 FAIRLEAD ASSY DIMN'S

DRAWN	STEVE RAY	CLASSIFICATION	STANDARD
CHECKED	B KARIM	FAIRLEAD ASSY	
STRESSED	F LAU	TUBE SUPPORT	CSP 460
APPROVED	A WALLER		

REDRAWN AT
ISSUE 'A'
P LAM
29 JUN 94



STANDARDS SHEET

FAIRLEAD ASSY
-04

NOTES:

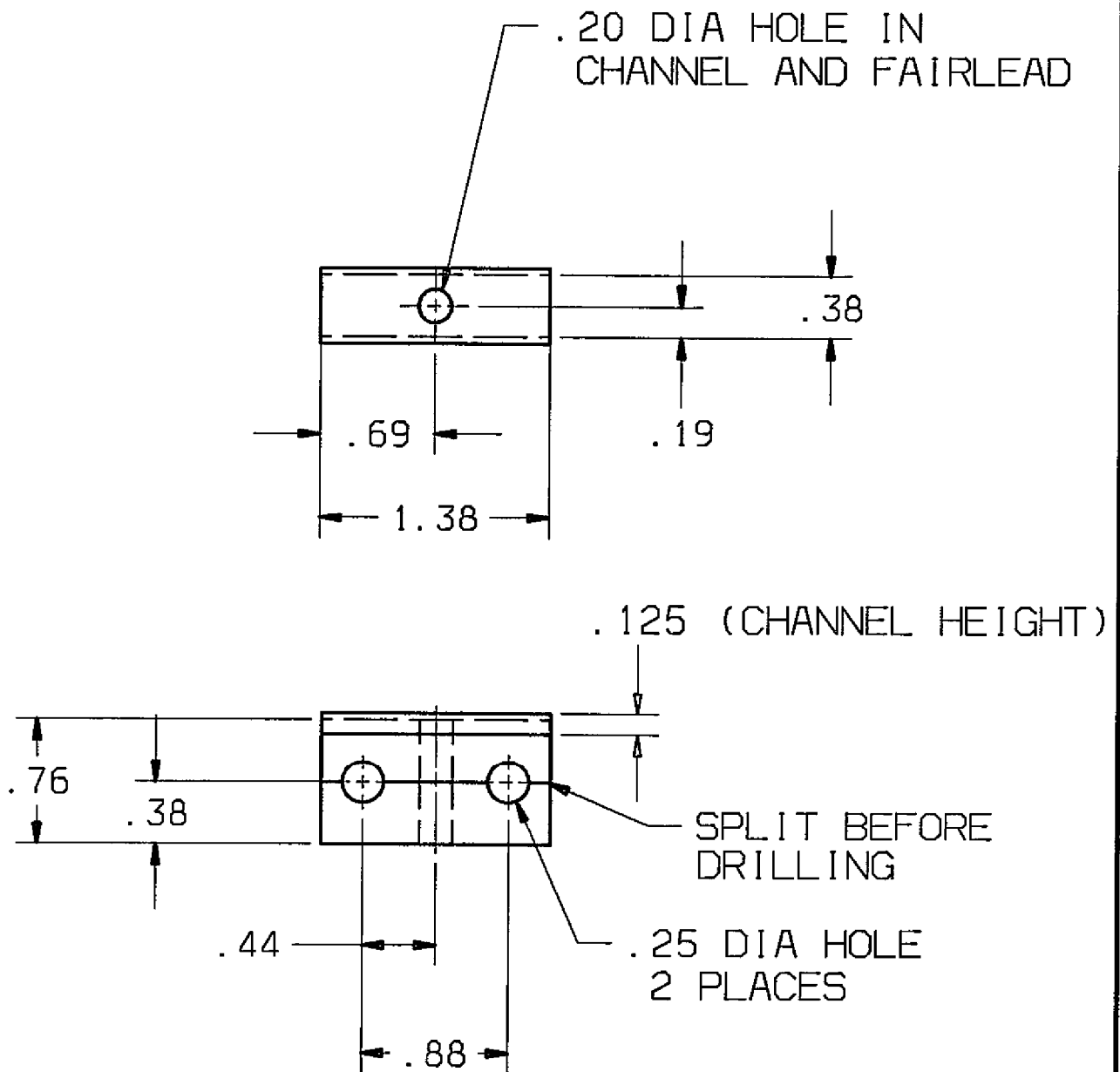
1. BLOCK MATERIAL: NITRILE PER MIL SPEC MIL-C-85052/1 SHORE 'A' 65-75, COLOUR-YELLOW.
2. PARTS MOLDED OR MACHINED.
3. ALL TOLERANCES UNLESS OTHERWISE NOTED $\pm .020$.
4. SEE PAGE 08 FOR BLOCK AND CHANNEL DIMENSIONS.
5. BOND CHANNEL TO FAIRLEAD.
6. MAKE FROM .040 6061-T6 AL OR EQUIVALENT.

DRAWN	MANASTERSKI	CLASSIFICATION	STANDARD
CHECKED	STEVE RAY	FAIRLEAD ASSY	
STRESSED	FRANCIS LAU	TUBE SUPPORT	CSP 460
APPROVED	A. WALLER		

REDRAWN AT
ISSUE 'A'
P.L.W.
29 JUN 94



STANDARDS SHEET



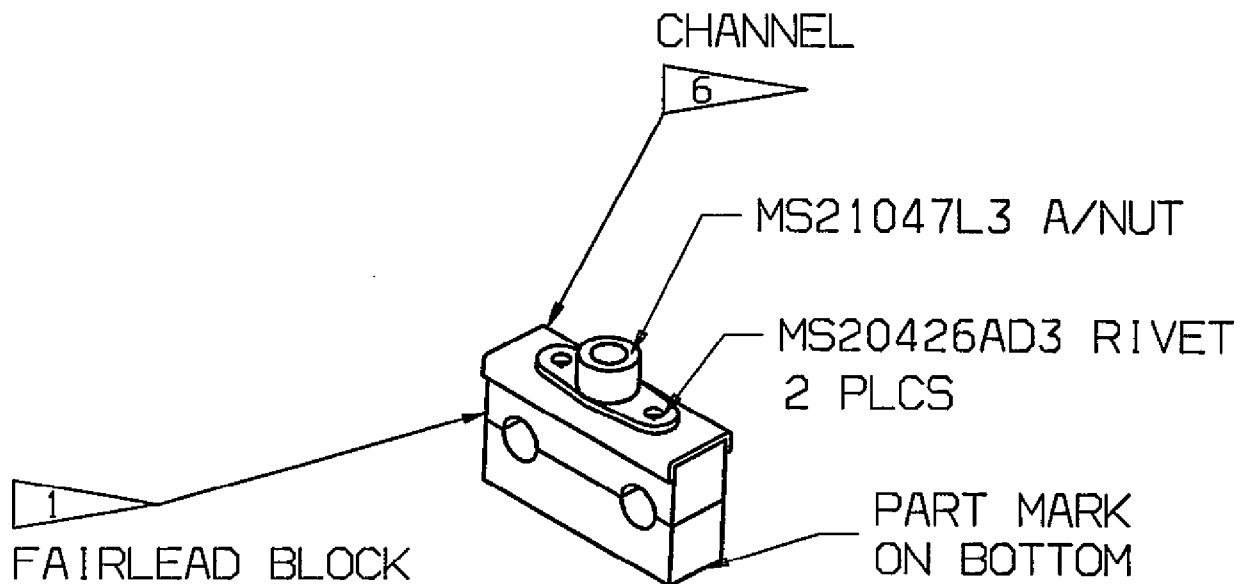
-04 FAIRLEAD ASSY DIMN'S

DRAWN	MANASTERSKI	CLASSIFICATION	STANDARD
CHECKED	STEVE RAY	FAIRLEAD ASSY	
STRESSED	FRANCIS LAU	TUBE SUPPORT	CSP 460
APPROVED	A. WALLER		

REDRAWN AT
ISSUE 'A'
P. LAM
29 JUN 94



STANDARDS SHEET



FAIRLEAD ASSY

-05

NOTES:

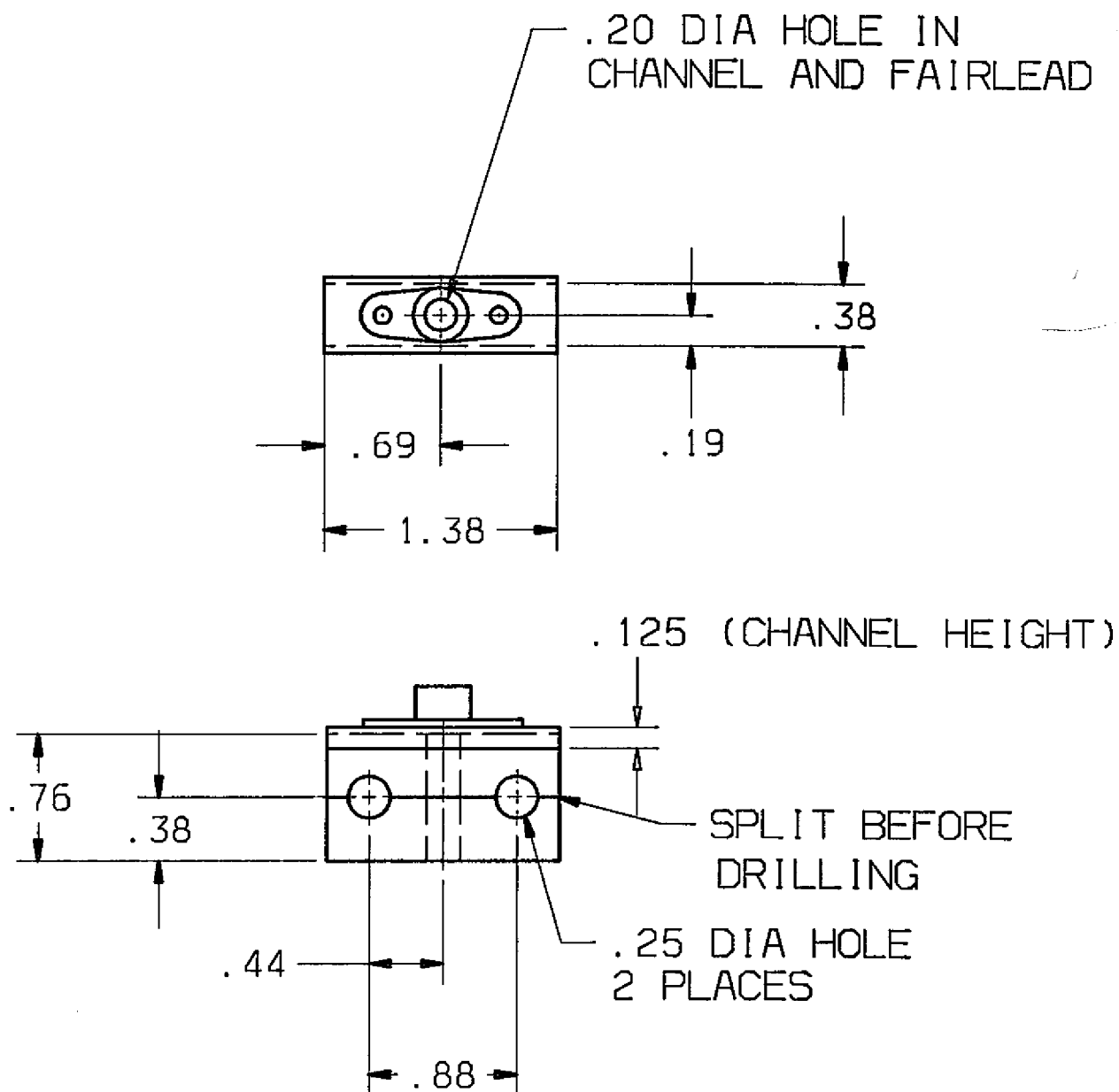
- 1 BLOCK MATERIAL: NITRILE PER MIL SPEC MIL-C-85052/1 SHORE 'A' 65-75, COLOUR-YELLOW.
2. PARTS MOLDED OR MACHINED.
3. ALL TOLERANCES UNLESS OTHERWISE NOTED $\pm .020$.
4. SEE PAGE 10 FOR BLOCK AND CHANNEL DIMENSIONS.
5. BOND CHANNEL TO FAIRLEAD.
- 6 MAKE FROM .040 6061-T6 AL OR EQUIVALENT.

REDRAWN AT
ISSUE 'A'
P. LAW
29 JUN 94

DRAWN	MANASTERSKI	CLASSIFICATION	STANDARD
CHECKED	STEVE RAY	FAIRLEAD ASSY	
STRESSED	FRANCIS LAU	TUBE SUPPORT	CSP 460
APPROVED	A. WALLER		



STANDARDS SHEET



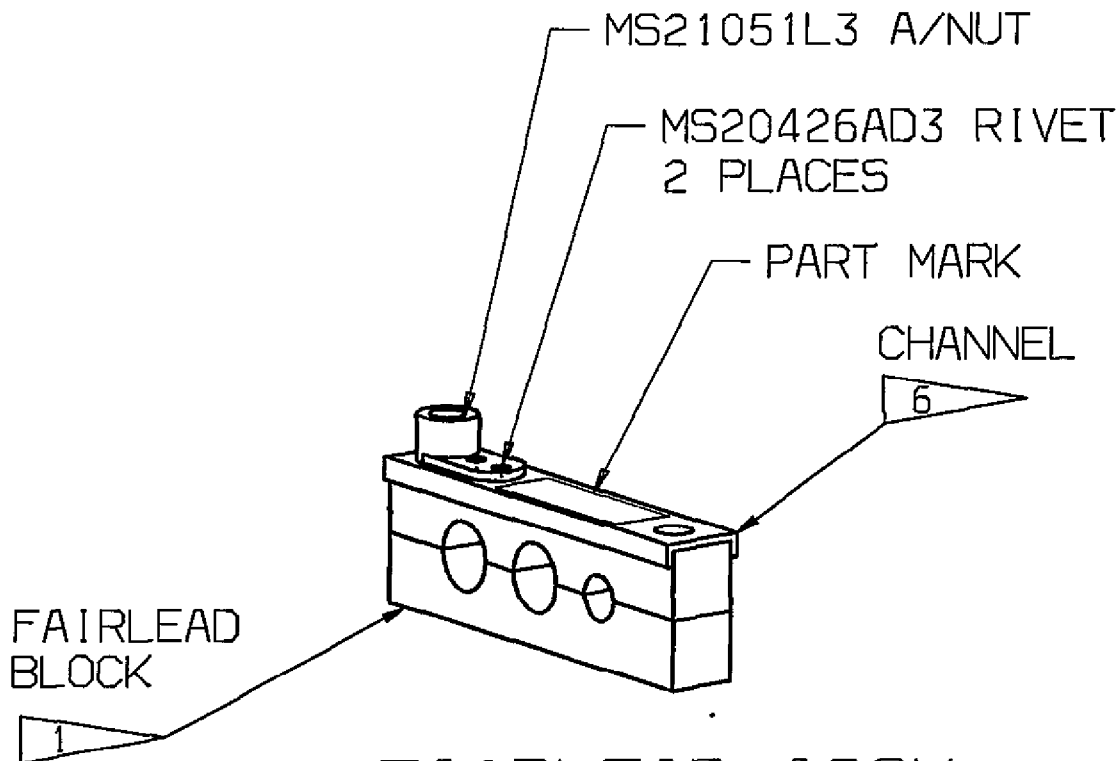
-05 FAIRLEAD ASSY DIMN'S

DRAWN	MANASTERSKI	CLASSIFICATION	STANDARD
CHECKED	STEVE RAY	FAIRLEAD ASSY	CSP 460
STRESSED	FRANCIS LAL	TUBE SUPPORT	
APPROVED	A. WALLER		

REDRAWN AT
ISSUE 'A'
P. LAM
29 JUN 94



STANDARDS SHEET

FAIRLEAD ASSY
-06

NOTES:

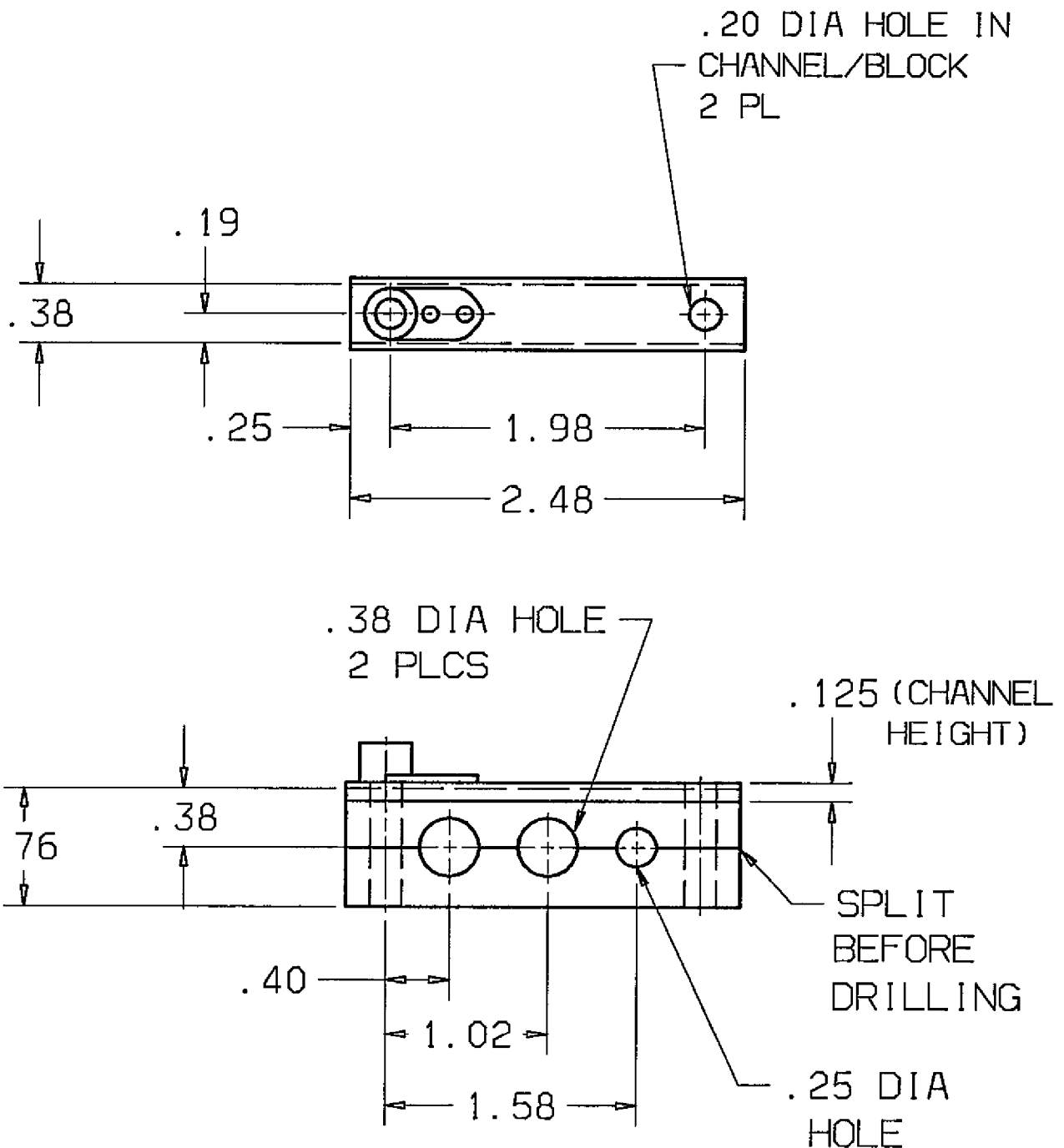
1. BLOCK MATERIAL: NITRILE PER MIL SPEC MIL-C-85052/1 SHORE 'A' 65-75, COLOUR-YELLOW.
2. PARTS MOLDED OR MACHINED.
3. ALL TOLERANCES UNLESS OTHERWISE NOTED +/- .020.
4. SEE PAGE 12 FOR BLOCK AND CHANNEL DIMENSIONS.
5. BOND CHANNEL TO FAIRLEAD.
6. MAKE FROM .040 6061-T6 AL OR EQUIVALENT.

DRAWN	MANASTERSKI	CLASSIFICATION	STANDARD
CHECKED	STEVE RAY	FAIRLEAD ASSY TUBE SUPPORT	CSP 460
STRESSED	FRANCIS LAU		
APPROVED	A. WALLER		

REDRAWN AT
ISSUE 'A'
P. LAW
29 JUN 94



STANDARDS SHEET



-06 FAIRLEAD ASSY DIMN'S

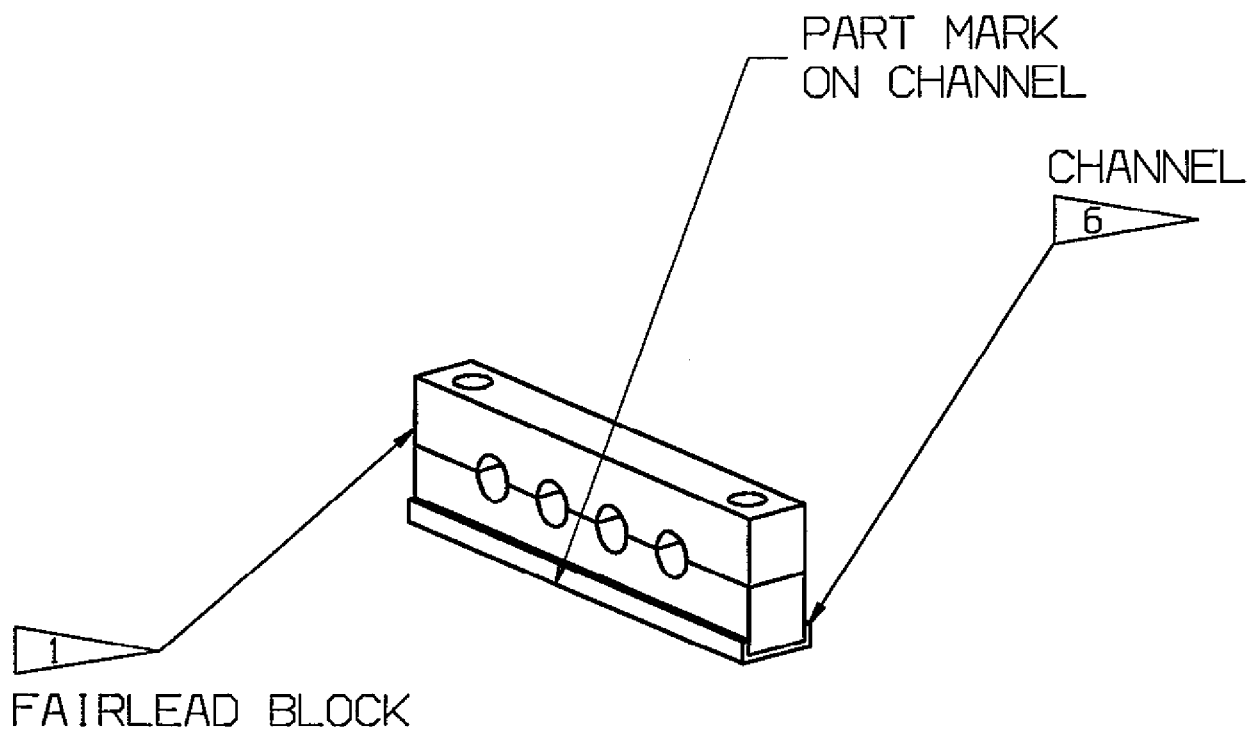
DRAWN	MANASTERSKI	CLASSIFICATION	STANDARD
CHECKED	STEVE RAY	FAIRLEAD ASSY TUBE SUPPORT	CSP 460
STRESSED	FRANCIS LAU		
APPROVED	A. WALLER		

REDRAWN AT
ISSUE (A)
P. LAW
29 JUN 94

(A)



STANDARDS SHEET

FAIRLEAD ASSY
-07

NOTES:

- 1 BLOCK MATERIAL: NITRILE PER MIL SPEC MIL-C-85052/1 SHORE 'A' 65-75, COLOUR-YELLOW.
2. PARTS MOLDED OR MACHINED.
3. ALL TOLERANCES UNLESS OTHERWISE NOTED $\pm .020$.
4. SEE PAGE 14 FOR BLOCK AND CHANNEL DIMENSIONS.
5. BOND CHANNEL TO FAIRLEAD.
- 6 MAKE FROM .040 6061-T6 AL OR EQUIVALENT.

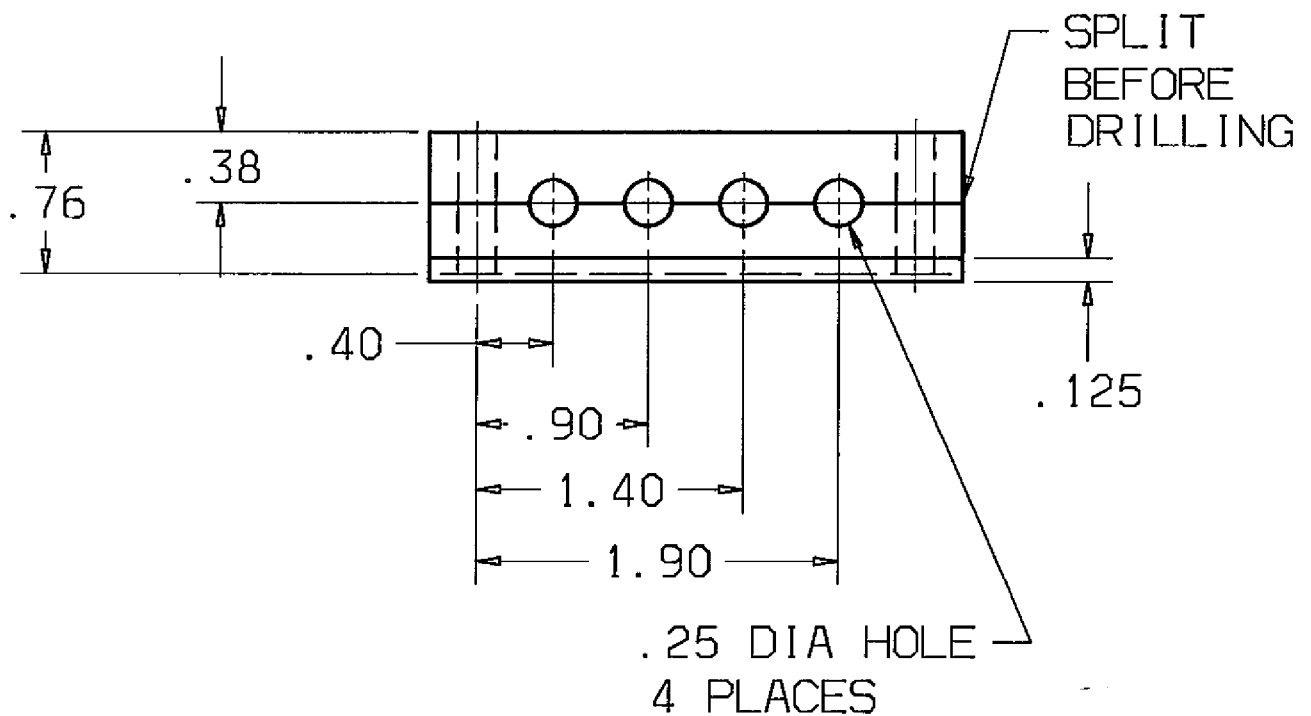
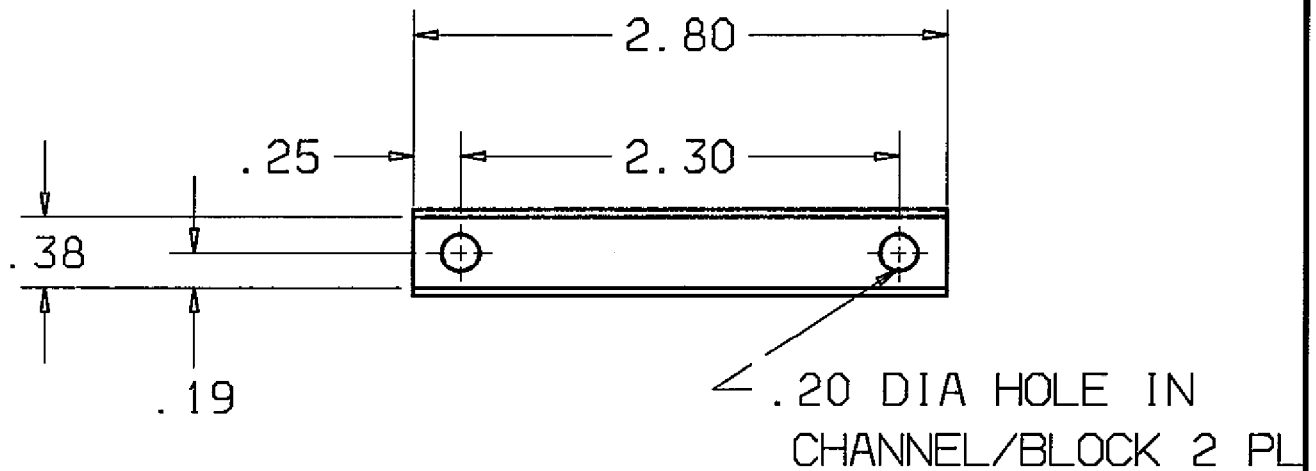
DRAWN	MANASTERSKI	CLASSIFICATION	STANDARD
CHECKED	STEVE RAY	FAIRLEAD ASSY	CSP 460
STRESSED	FRANCIS LAU	TUBE SUPPORT	
APPROVED	A. WALLER		

REDRAWN AT
ISSUE 'A'
P. LAU
29 JUN 94

(A)



STANDARDS SHEET



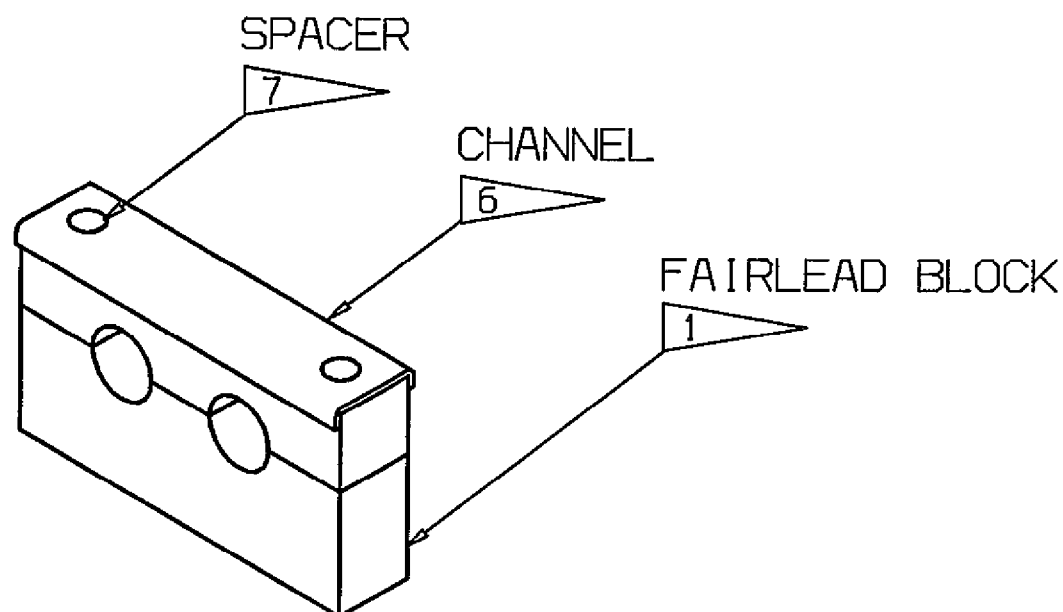
-07 FAIRLEAD ASSY DIMN'S

DRAWN	MANASTERSKI	CLASSIFICATION	STANDARD
CHECKED	STEVE RAY	FAIRLEAD ASSY TUBE SUPPORT	CSP 460
STRESSED	FRANCIS LAL		
APPROVED	A. WALLER		

REDRAWN AT
ISSUE 'A',
P. LAM
29 JUN 94



STANDARDS SHEET

FAIRLEAD ASSY
-08

NOTES:

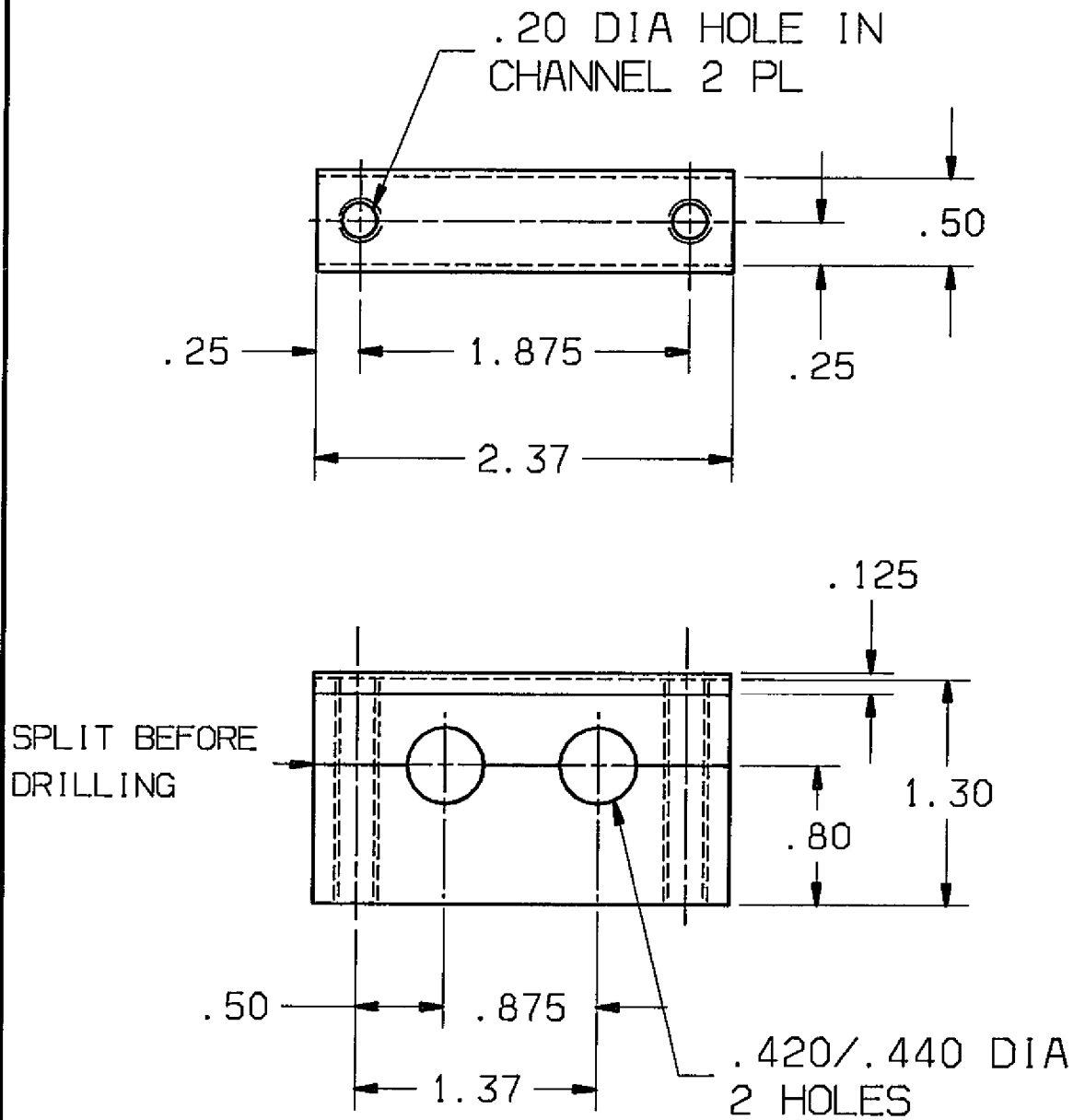
- 1 BLOCK MATERIAL: NITRILE PER MIL SPEC
MIL-C-85052/1 SHORE 'A' 65-75, COLOUR YELLOW.
2. PARTS MOLDED OR MACHINED.
3. ALL TOLERANCES UNLESS OTHERWISE NOTED $\pm .020$.
4. SEE PAGE 16 FOR BLOCK AND CHANNEL DIMENSIONS.
5. BOND CHANNEL TO FAIRLEAD.
- 6 MAKE FROM .040 6061-T6 AL OR EQUIVALENT.
- 7 MADE FROM .250 O/D X .028 WALL 6061-T6 AL TUBE
OR EQUIVALENT.

REDRAWN AT
ISSUE 'A'
P. LAM
29 JUN 94

DRAWN	B. KARIM	CLASSIFICATION	STANDARD
CHECKED	STEVE RAY	FAIRLEAD	
STRESSED	F. LAU	TUBE SUPPORT	CSP 460
APPROVED	A. WALLER		



STANDARDS SHEET



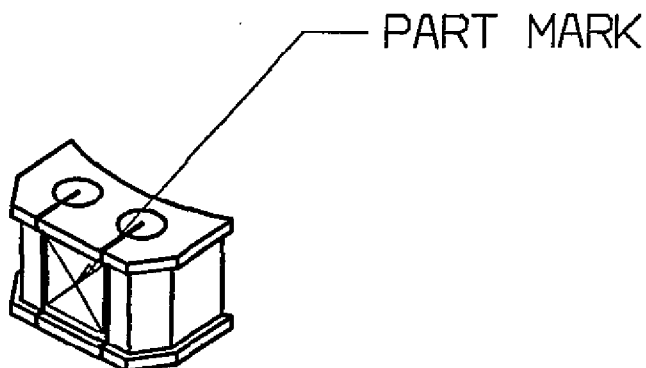
-08 FAIRLEAD

DRAWN	B. KARIM	CLASSIFICATION	STANDARD
CHECKED	STEVE RAY	FAIRLEAD	CSP 460
STRESSED	F. LAU	TUBE SUPPORT	
APPROVED	A. WALLER		

REDRAWN AT
ISSUE 'A',
P. LAU
29 JUN 94



STANDARDS SHEET



-09 FAIRLEAD

NOTES:

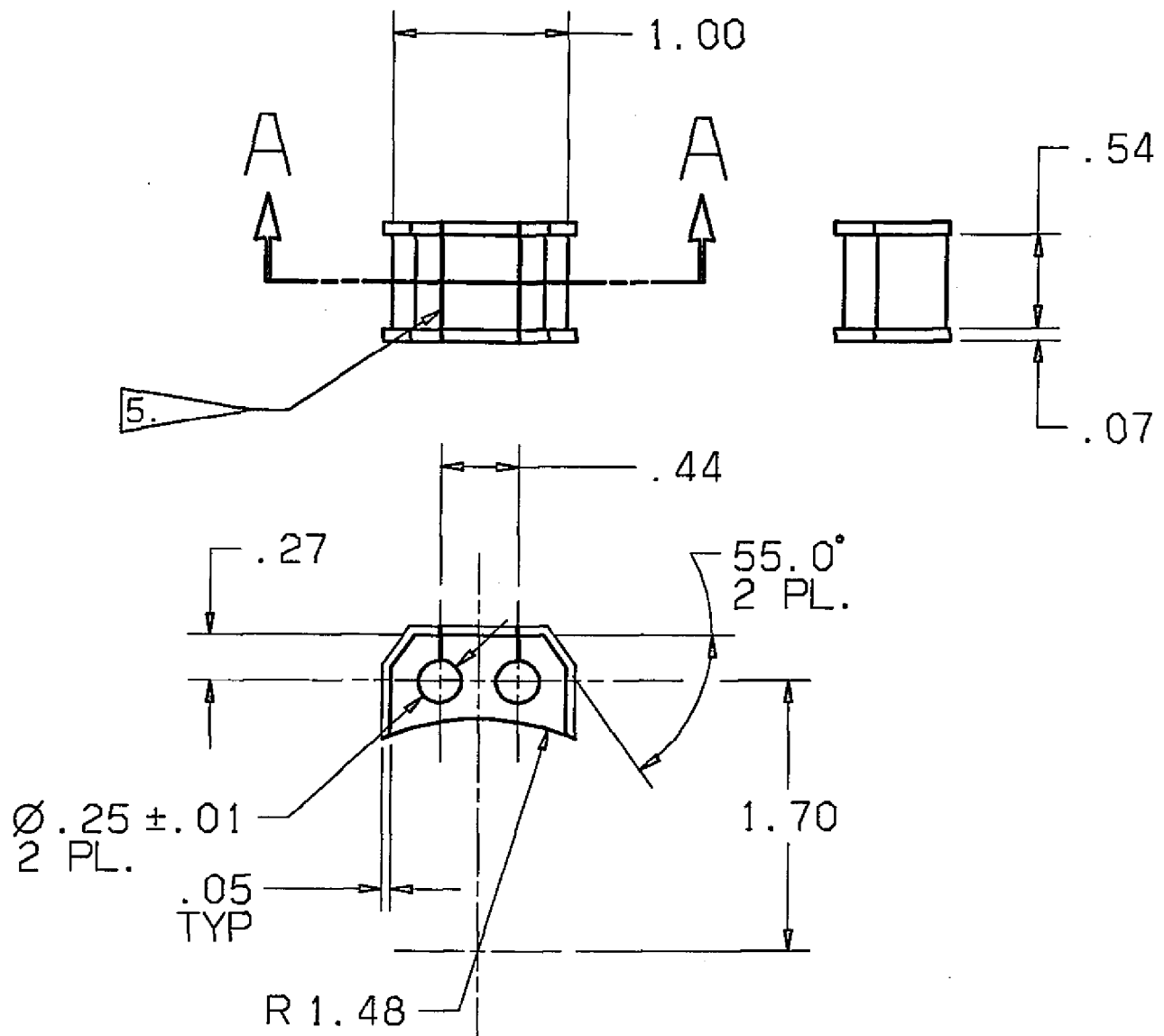
1. MATERIAL: NITRILE PER MIL-C-85052/1
SHORE 'A' 65-75, COLOUR-YELLOW.
2. PARTS MOULDED OR MACHINED.
3. ALL TOLERANCES $\pm .020$ UNLESS OTHERWISE
SPECIFIED.
4. SEE PAGE 18 FOR FAIRLEAD ASSY DIMENSIONS.
5. FAIRLEAD BLOCK TO BE SPLIT ON TOP.

DRAWN	GARY LEGG	CLASSIFICATION	STANDARD
CHECKED	N. DAU	FAIRLEAD	
STRESSED	<i>WV</i>	TUBE SUPPORT	CSP 460
APPROVED	P. Lam		

12 JUL 94



STANDARDS SHEET



SECTION A-A

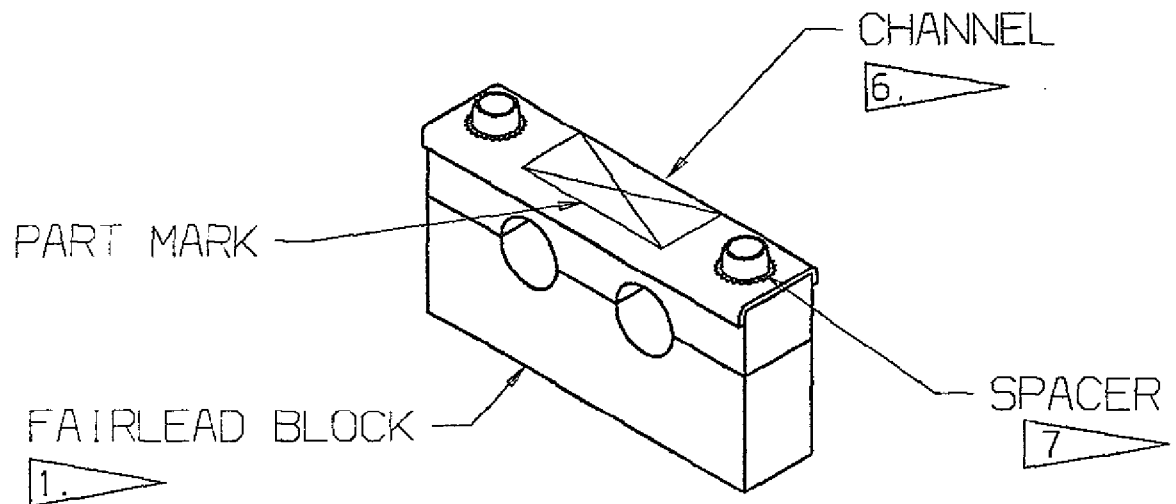
-09 FAIRLEAD

DRAWN	GARY LEGG	CLASSIFICATION	STANDARD
CHECKED	N. DAU	FAIRLEAD	CSP 460
STRESSED	<i>WV</i>	TUBE SUPPORT	
APPROVED	P. Lam		

12 JUL 94



STANDARDS SHEET



-10 FAIRLEAD

NOTES:

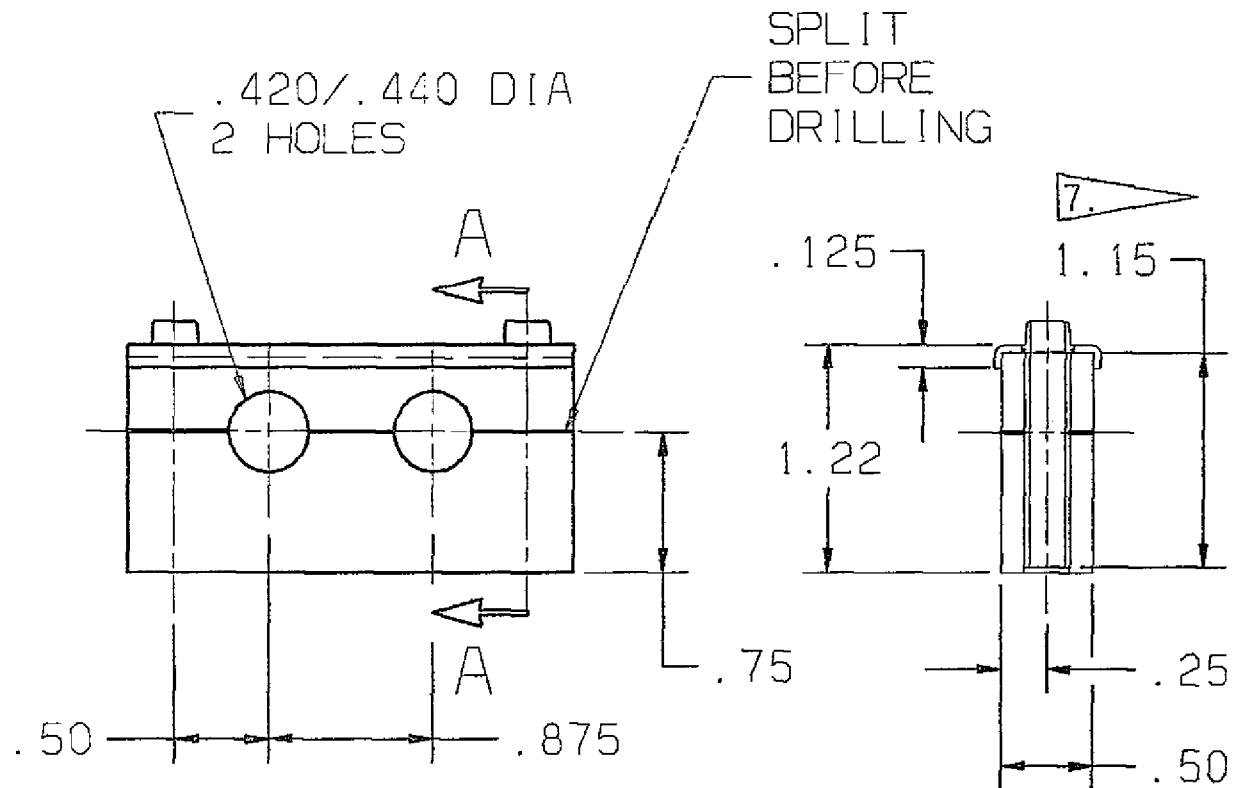
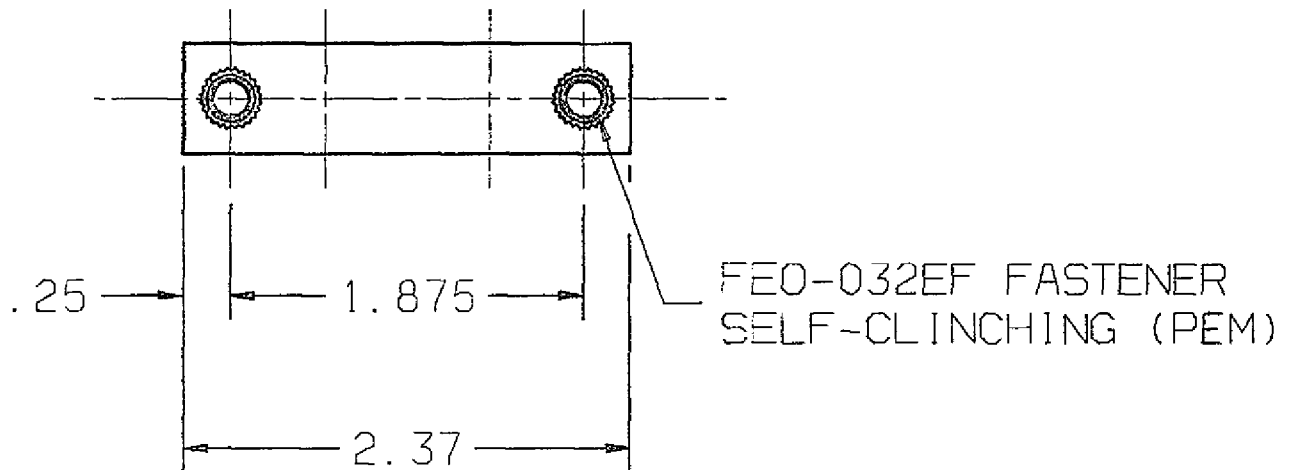
1. MATERIAL: NITRILE PER MIL-C-85052/1
SHORE 'A' 65-75, COLOUR-YELLOW.
2. PARTS MOULDED OR MACHINED.
3. ALL TOLERANCES $\pm .020$ UNLESS OTHERWISE
SPECIFIED.
4. SEE PAGE 20 FOR FAIRLEAD ASSY DIMENSIONS.
5. BOND CHANNEL TO FAIRLEAD BLOCK.
6. MAKE FROM .040 6061-T6 AL OR EQUIV.
7. MAKE FROM .250 O/D X .028 WALL 6061-T6
AL TUBE OR EQUIV.

DRAWN	GARY LEGG	CLASSIFICATION	STANDARD
CHECKED	B. KARIM	FAIRLEAD	
STRESSED	<i>[Signature]</i>	TUBE SUPPORT	CSP 460
APPROVED	P. LAM		

06 SEP 94



STANDARDS SHEET



SECTION A-A

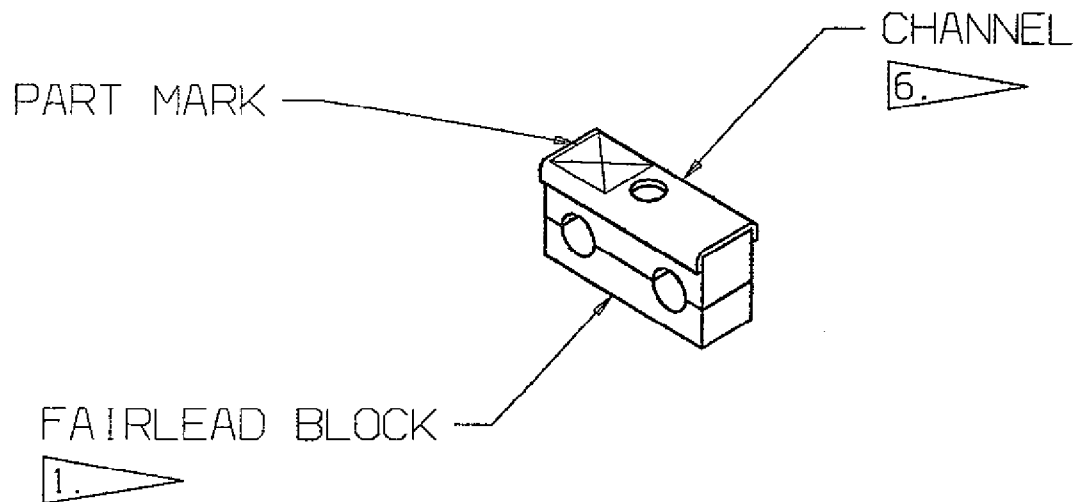
-10 FAIRLEAD

DRAWN	GARY LEGG	CLASSIFICATION	STANDARD
CHECKED	B. KARIM	FAIRLEAD	
STRESSED	<i>[Signature]</i>	TUBE SUPPORT	CSP 460
APPROVED	P. LAN		

06 SEP 94



STANDARDS SHEET



-11 FAIRLEAD

NOTES:

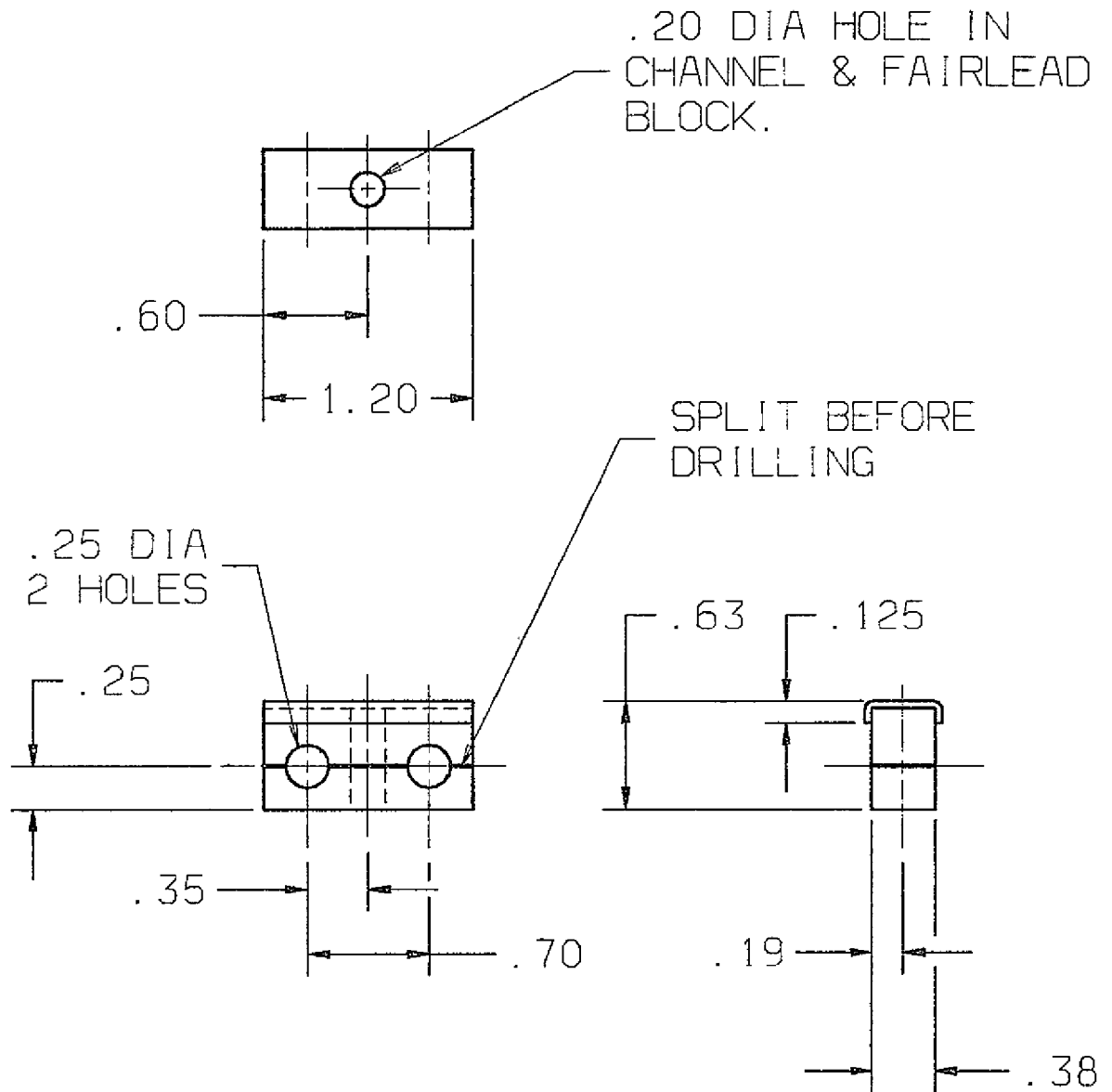
1. MATERIAL: NITRILE PER MIL-C-85052/1
SHORE 'A' 65-75, COLOUR-YELLOW.
2. PARTS MOULDED OR MACHINED.
3. ALL TOLERANCES $\pm .020$ UNLESS OTHERWISE
SPECIFIED.
4. SEE PAGE 22 FOR FAIRLEAD ASSY DIMENSIONS.
5. BOND CHANNEL TO FAIRLEAD BLOCK.
6. MAKE FROM .040 6061-T6 AL OR EQUIV.

DRAWN	GARY LEGG	CLASSIFICATION	STANDARD
CHECKED	B. KARIM	FAIRLEAD	
STRESSED	<i>[Signature]</i>	TUBE SUPPORT	CSP 460
APPROVED	P. LAM		

06 SEP 94



STANDARDS SHEET



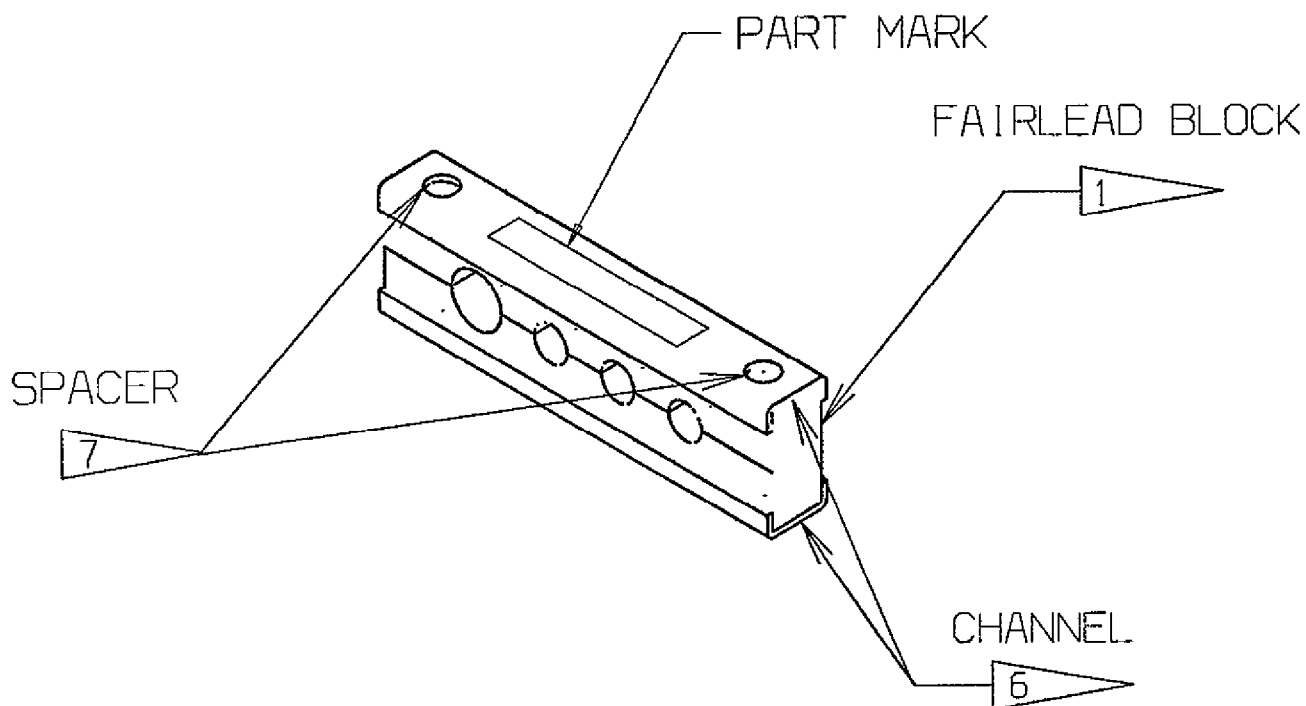
-11 FAIRLEAD

DRAWN	GARY LEGG	CLASSIFICATION	STANDARD
CHECKED	B. KARIM	FAIRLEAD	
STRESSED	<i>[Signature]</i>	TUBE SUPPORT	CSP 460
APPROVED	<i>P. Lam</i>		

06 SEP 94



STANDARDS SHEET



FAIRLEAD ASSY

-12

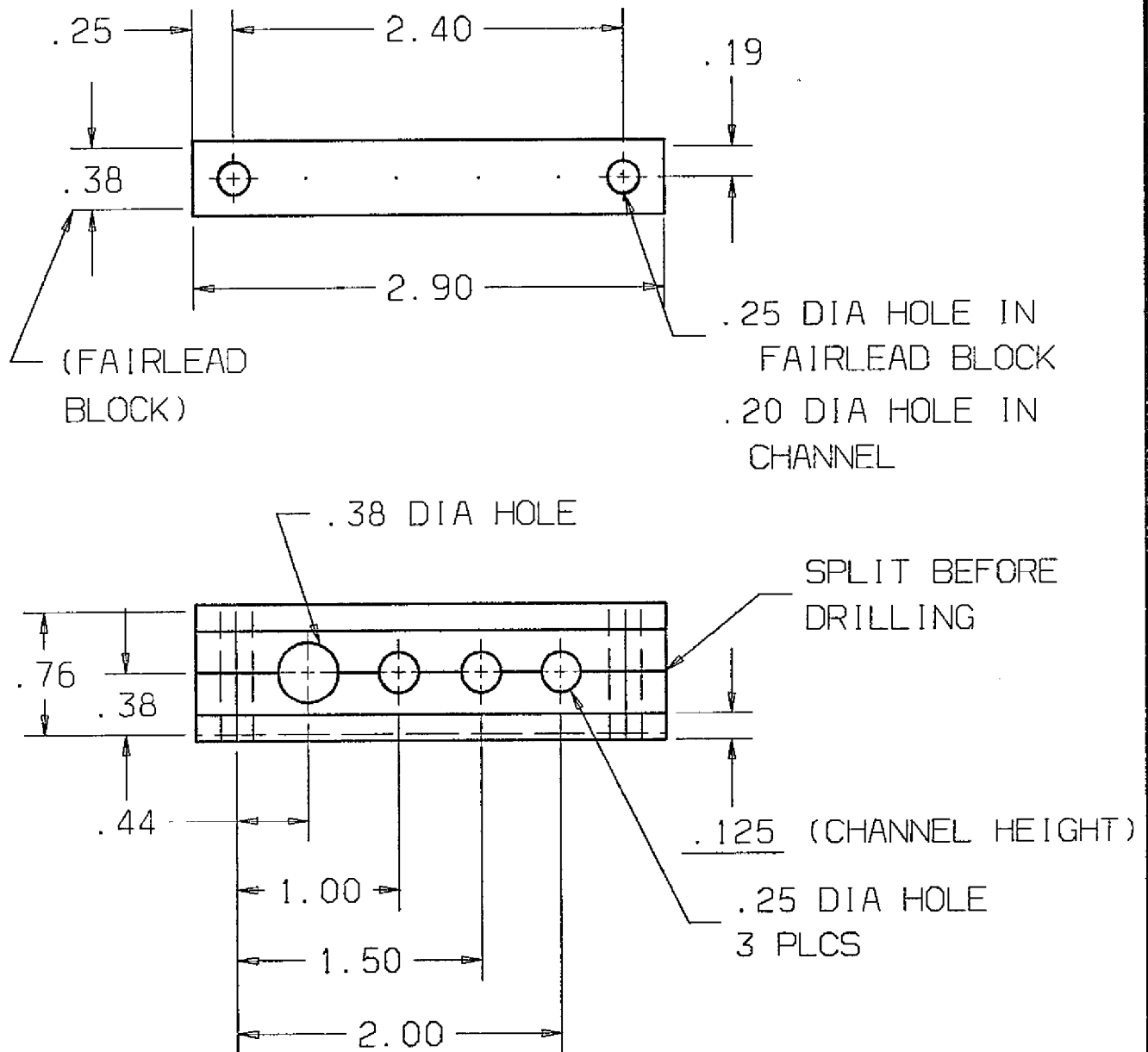
NOTES:

- 1 BLOCK MATERIAL: NITRILE PER MIL SPEC MIL-C-85052/1 SHORE 'A' 65-75, COLOUR-YELLOW.
- 2. PARTS MOLDED OR MACHINED.
- 3. ALL TOLERANCES UNLESS OTHERWISE NOTED $\pm .020$.
- 4. SEE PAGE 02 FOR FAIRLEAD ASSY DIMENSIONS.
- 5. BOND CHANNEL TO FAIRLEAD.
- 6 MAKE FROM .040 6061-T6 AL OR EQUIVALENT.
- 7 MADE FROM .250 O/D X .028 WALL 6061-T6 AL TUBE OR EQUIVALENT.

DRAWN	P. MANASTERSKI	CLASSIFICATION	STANDARD
CHECKED	B KARIM	FAIRLEAD ASSY TUBE SUPPORT	CSP 460
STRESSED	F LAU		
APPROVED	A WALLER		

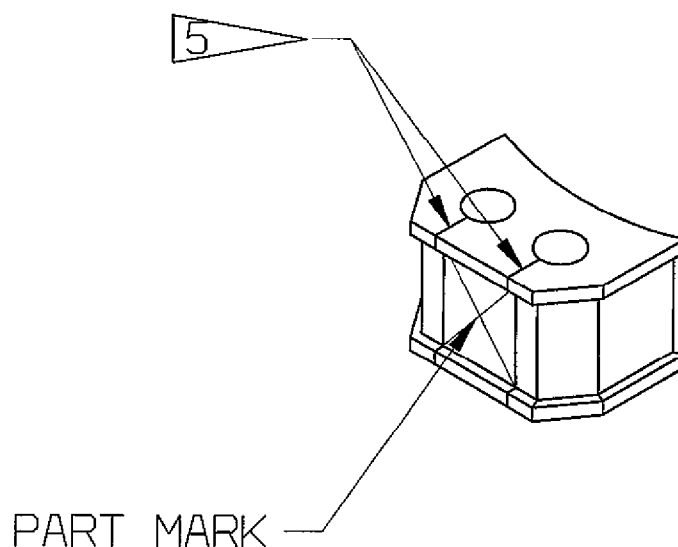


STANDARDS SHEET



-12 FAIRLEAD ASSY DIMN'S

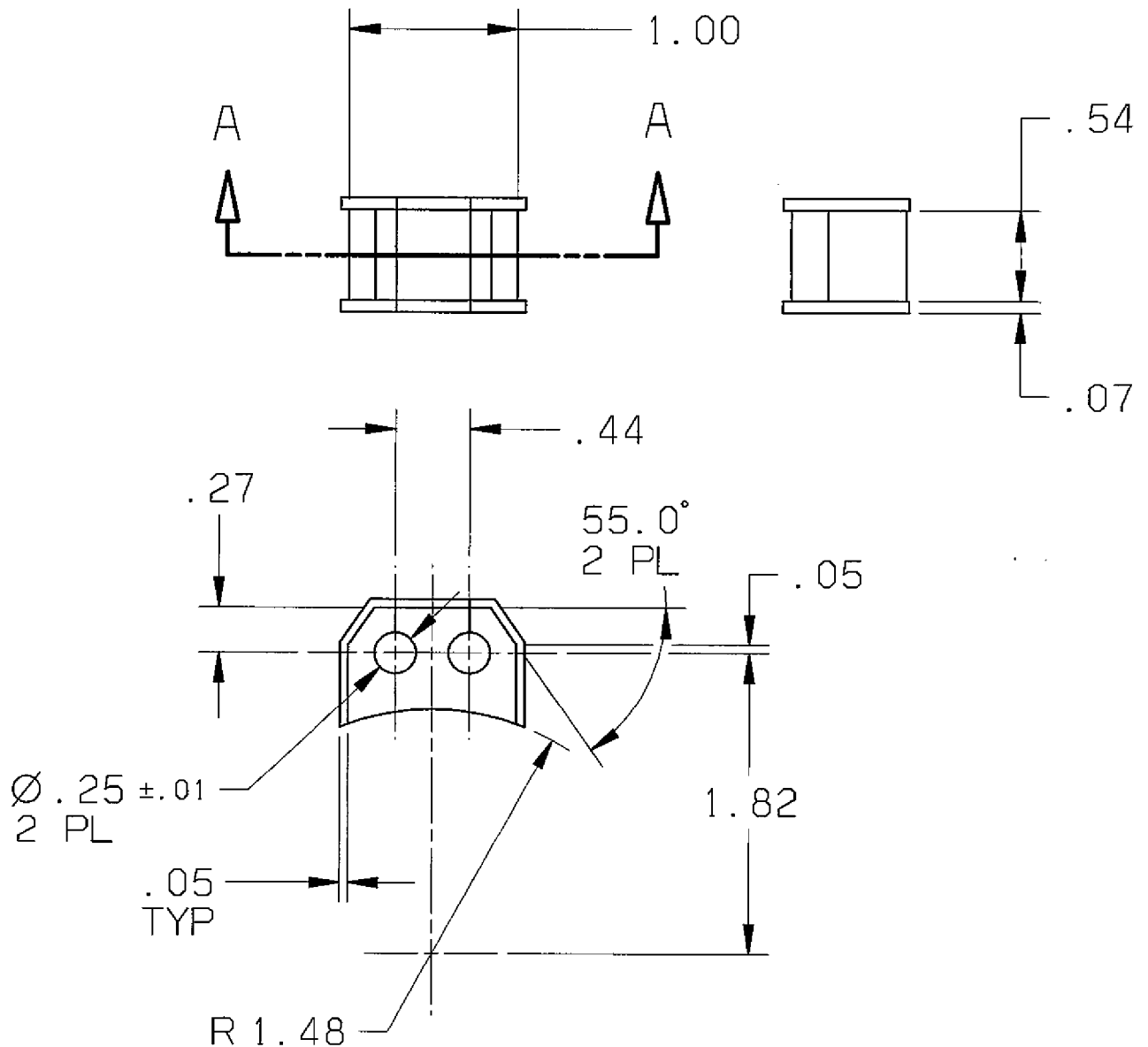
DRAWN	STEVE RAY	CLASSIFICATION	STANDARD
CHECKED	B KARIM	FAIRLEAD ASSY	CSP 460
STRESSED	F LAU	PIPE SUPPORT	
APPROVED	A WALLER		

-13 FAIRLEAD

1. MATERIAL: NITRILE PER MIL-C-85052/1
SHORE 'A' 65-75, COLOUR - YELLOW.
2. PARTS MOULDED OR MACHINED.
3. ALL TOLERANCES $\pm .020$ UNLESS OTHERWISE
SPECIFIED.
4. SEE PAGE 26 FOR FAIRLEAD DIMENSIONS.
5. FAIRLEAD BLOCK TO BE SPLIT ON TOP.
- 6 THIS FAIRLEAD REPLACES CSP460-09.

DRAWN	C. BARRY	CLASSIFICATION	STANDARD
CHECKED	<i>[Signature]</i>	FAIRLEAD	
STRESSED	<i>[Signature]</i>	TUBE SUPPORT	CSP460
APPROVED	<i>[Signature]</i>		

14 OCT 99

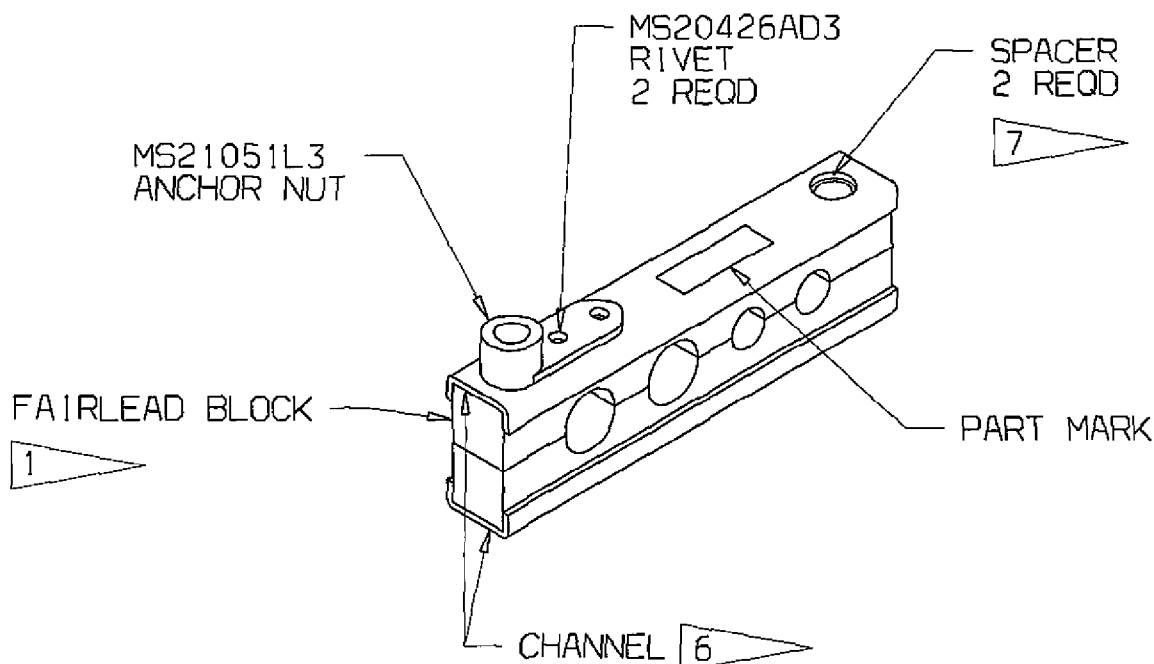


SECTION A-A

-13 FAIRLEAD

DRAWN	C/BARRY	CLASSIFICATION	STANDARD
CHECKED	<i>[Signature]</i>	FAIRLEAD	
STRESSED	<i>[Signature]</i>	TUBE SUPPORT	CSP460
APPROVED	P. Lam		

14 OCT 99

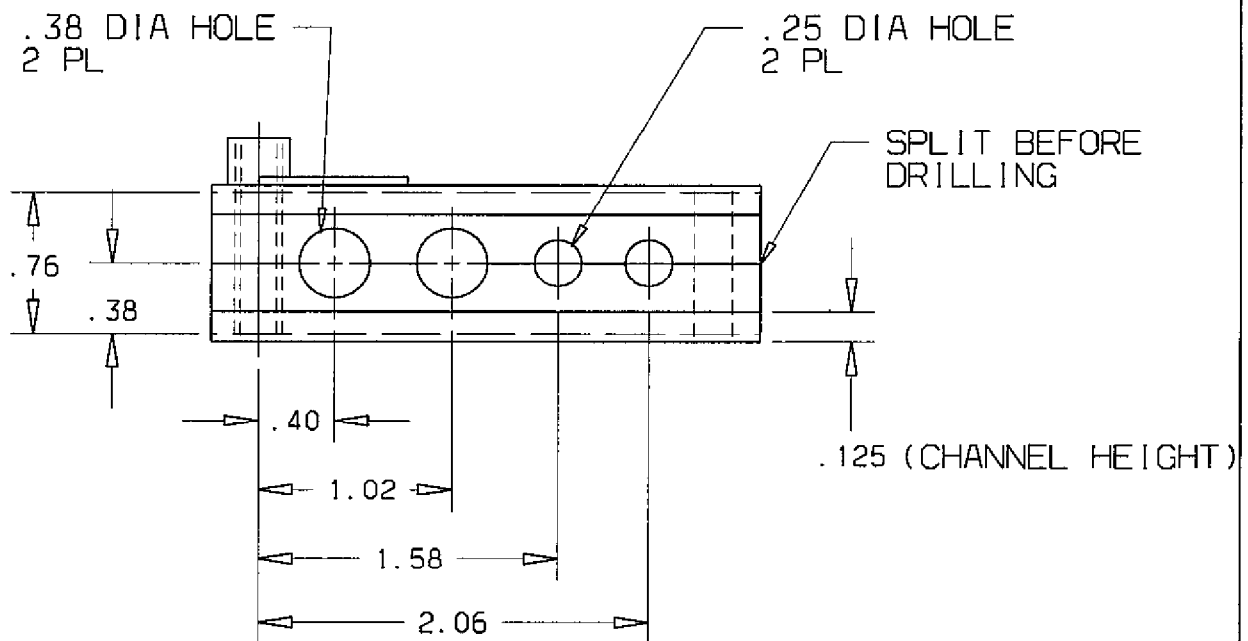
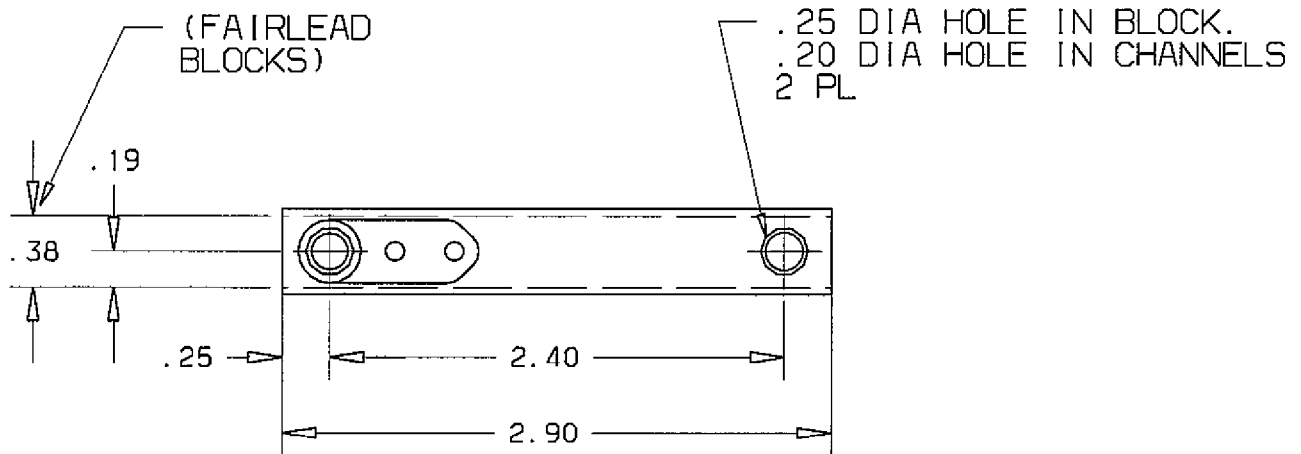


FAIRLEAD ASSY -14

NOTES:

- 1 BLOCK MATERIAL: NITRILE PER MIL SPEC MIL-C-85052/1
SHORE 'A' 65-75, COLOUR - YELLOW.
2. PARTS MOLDED OR MACHINED.
3. ALL TOLERANCES $\pm .020$ UNLESS OTHERWISE
SPECIFIED.
4. SEE PAGE 28 FOR FAIRLEAD DIMENSIONS.
5. BOND CHANNEL TO FAIRLEAD.
- 6 MAKE FROM .040 6061-T6 AL OR EQUIVALENT.
- 7 MADE FROM .250 O/D X .028 WALL 6061-T6 AL TUBE OR
EQUIVALENT.

DRAWN	V. JANKOVIC	CLASSIFICATION	STANDARD
CHECKED	<i>[Signature]</i>	FAIRLEAD	CSP460
STRESSED	<i>[Signature]</i>	TUBE SUPPORT	
APPROVED	<i>[Signature]</i>		



-14 FAIRLEAD ASSY DIMN'S

DRAWN	V. JANKOVIC	CLASSIFICATION	STANDARD
CHECKED	<i>Cal Bray</i>	FAIRLEAD	CSP460
STRESSED	<i>B. Young</i>	TUBE SUPPORT	
APPROVED	<i>Smigaj</i>		