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FOR GEN NOTES SEE SH 2

| PART NO. | MF | ZONE | SYM | REVISIONS DESCRIPTION | DATE | APPROVAL |
|---|---|---|---|---|---|---|
| | | | | ECP0700R-1 & -2 | | |
| | | | A | CHG NO. IN TITLE BLOCK WAS ECP 0700-1 & -2. ADDED -1022 & -1829. -1233-16 WAS 1234-12 & -1237-16 WAS -1236-12. REVISED SH 2 LC-39. M/L 1.283. 503 & ON | | ILLEGIBLE |
| | | | B | INC EO 1 ADDED STS INFO TO APLLICATION BLOCK. | | ILLEGIBLE |
| | | | C | REVISE AND REDRAW SHTS 1 & 2. REALIGN PARTS MATRIX UPDATE TITLE BLOCK ADD THREAD LENGTH DASH NUMBERS | 7-15-95 | Betty J Cisneros |

CAD LOCKED
INITIALS GP

| ASSY DASH NO. AND NO. REQD | ZONE | FIND/ ITEM NO. | MFR CODE | PART OR STOCK NO. | DESCRIPTION | STOCK SIZE | MATERIAL SPEC |
|---|---|---|---|---|---|---|---|
| | | | | -1628-16 | STUD BOLT | 1.000 DIA X 7.00 LG | 1 4 |
| | | | | -1829-18 | STUD BOLT | 1.125 DIA X 7.25 LG | |
| | | | | -1835-18 | STUD BOLT | 1.125 DIA X 8.75 LG | |
| | | | | -14252-32 | TIE ROD | 0.875 DIA X 63.00 LG | |
| | | | | -14206-32 | TIE ROD | 0.875 DIA X 51.50 LG | |
| | | | | -1624-16 | STUD BOLT | 1.000 DIA X 6.00 LG | |
| | | | | -1448-16 | | 0.875 DIA X 12.00 LG | |
| | | | | -1446-16 | | 0.875 DIA X 11.50 LG | |
| | | | | -1442-16 | | 0.875 DIA X 10.50 LG | |
| | | | | -1433-16 | | 0.875 DIA X 8.25 LG | |
| | | | | -1836-18 | | 1.125 DIA X 9.00 LG | |
| | | | | -1827-18 | | 1.125 DIA X 6.75 LG | |
| | | | | -1217-12 | | 0.750 DIA X 4.25 LG | |
| | | | | -2035-20 | | 1.250 DIA X 8.75 LG | |
| | | | | -1833-18 | | 1.125 DIA X 8.25 LG | |
| | | | | -1832-18 | | 1.125 DIA X 8.00 LG | |
| | | | | -1630-16 | | 1.000 DIA X 7.50 LG | |
| | | | | -1626-16 | | 1.000 DIA X 6.50 LG | |
| | | | | -1625-16 | | 1.000 DIA X 6.25 LG | |
| | | | | -1623-16 | | 1.000 DIA X 5.75 LG | |
| | | | | -1431-14 | | 0.875 DIA X 7.75 LG | |
| | | | | -1424-14 | | 0.875 DIA X 6.00 LG | |
| | | | | -1237-16 | | 0.750 DIA X 9.25 LG | |
| | | | | -1233-16 | | 0.750 DIA X 8.25 LG | |
| | | | | -1225-12 | | 0.750 DIA X 6.25 LG | |
| | | | | -1224-12 | | 0.750 DIA X 6.00 LG | |
| | | | | -1030-10 | | 0.625 DIA X 7.50 LG | |
| | | | | -1024-10 | | 0.625 DIA X 6.00 LG | |
| | | | | -1021-10 | | 0.625 DIA X 5.25 LG | |
| | | | | -1020-10 | | 0.625 DIA X 5.00 LG | |
| | | | | -1012-10 | | 0.625 DIA X 3.00 LG | |
| | | | | -810-8 | | 0.500 DIA X 2.50 LG | |
| | | | | -812-8 | | 0.500 DIA X 3.00 LG | |
| | | | | -1022-10 | STUD BOLT | 0.625 DIA X 5.50 LG | |
| | | | | -14200-36 | TIE ROD | 0.875 DIA X 50.00 LG | |
| | | | | -14186-32 | TIE ROD | 0.875 DIA X 46.50 LG | |
| | | | | -14144-32 | TIE ROD | 0.875 DIA X 36.00 LG | |
| | | | | -816-8 | STUD BOLT | 0.500 DIA X 4.00 LG | |
| | | | | -814-8 | STUD BOLT | 0.500 DIA X 3.50 LG | |
| | | | | -1837-18 | STUD BOLT | 1.125 DIA X 9.25 LG | 1 4 |

LIST OF MATERIAL

| ASSY DASH NO. AND NO. REQD | ZONE | FIND/ ITEM NO. | MFR CODE | PART OR STOCK NO. | DESCRIPTION | STOCK SIZE | MATERIAL SPEC |
|---|---|---|---|---|---|---|---|
| | | | | -1834-18 | STUD BOLT | 1.125 DIA X 8.50 LG | 1 4 |
| | | | | -1828-18 | | 1.125 DIA X 7.00 LG | |
| | | | | -1826-18 | | 1.125 DIA X 6.50 LG | |
| | | | | -1831-18 | | 1.125 DIA X 7.75 LG | |
| | | | | -1830-18 | | 1.125 DIA X 7.50 LG | |
| | | | | -1430-14 | | 0.875 DIA X 7.50 LG | |
| | | | | -1427-14 | | 0.875 DIA X 6.75 LG | |
| | | | | -1423-14 | | 0.875 DIA X 5.75 LG | |
| | | | | -1422-14 | | 0.875 DIA X 5.50 LG | |
| | | | | -1627-16 | | 1.000 DIA X 6.75 LG | |
| | | | | -1421-14 | | 0.875 DIA X 5.25 LG | |
| | | | | -1425-14 | | 0.875 DIA X 6.25 LG | |
| | | | | -1223-12 | | 0.750 DIA X 5.75 LG | |
| | | | | -1219-12 | | 0.750 DIA X 4.75 LG | |
| | | | | -1221-12 | | 0.750 DIA X 5.25 LG | |
| | | | | -1018-10 | | 0.625 DIA X 4.50 LG | |
| | | | | -1222-12 | | 0.750 DIA X 5.50 LG | |
| | | | | -1218-12 | | 0.750 DIA X 4.50 LG | |
| | | | | -1420-14 | | 0.875 DIA X 5.00 LG | |
| | | | | -1017-10 | | 0.625 DIA X 4.25 LG | |
| | | | | -1016-10 | | 0.625 DIA X 4.00 LG | |
| | | | | -1220-12 | | 0.750 DIA X 5.00 LG | |
| | | | | -815-8 | | 0.500 DIA X 3.75 LG | |
| | | | | -1015-10 | | 0.625 DIA X 3.75 LG | |
| | | | | -813-8 | STUD BOLT | 0.500 DIA X 3.25 LG | 1 4 |

LIST OF MATERIAL

THIS DRAWING DRAWN ON AND WILL BE REVISED ONLY BY COMPUTER

| | |
|---|---|
| SEE ENGINEERING RECORDS | |
| 76K04932 | STS |
| 76K04892 | STS |
| NEXT ASSY | USED ON |
| APPLICATION | |

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON FRACTIONS +/- 1/16 DECIMALS ANGLES +/- 5°
MATERIAL
HEAT TREATMENT
FINAL PROTECTIVE FINISH

ORIGINAL DATE OF DRAWING 11 APRIL 68
DRAFTER HFB INIT
CHECKER ILLEGIBLE INIT
ENGINEER ILLEGIBLE INIT
STRESS INIT
SUBMITTED
APPROVED ILLEGIBLE

STUD BOLT
TYPE 316 SST

WEIGHT CHECKER | DATE | CODE 22264
SCALE NONE | UNIT WEIGHT

JOHN F. KENNEDY SPACE CENTER, NASA
KENNEDY SPACE CENTER FLORIDA

DWG SIZE D | 76K04875
SHEET 1 OF 2

KSC FORM 21-6D (REV. 6/10)(CAD 3/93)

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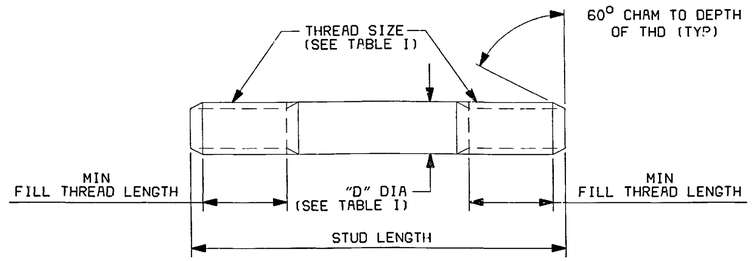
| PART NO. | MF | REVISIONS | | | | |
|---|---|---|---|---|---|---|
| | | ZONE | SYM | DESCRIPTION | DATE | APPROVAL |
| | | | | ECP0700R-1 & -2 | | |
| | | | A | CHG NO. IN TITLE BLOCK WAS ECP 0700-1 & -2. | | ILLEGIBLE |
| | | | B | 1. DELETED FLAG FROM NOTE 2<br>2. REVISED NOTES 1, 2 & 6<br>3. REV STUD LENGTH DIM LINE<br>4. -18 WAS 1 1/8"-8UN-2A<br>5. -20 WAS 1 1/4"-8UN-2A<br>6. RELOCATED INCREMENTS CALLOUTS FROM STUD VIEW | | ILLEGIBLE |
| | | | C | REVISED AND REDRAWN.<br>UPDATE MATERIAL, NOTE 1.<br>UPDATE TITLE BLOCK | 9-15-95 | Barry L Clemons |




| TABLE I | | | |
|---|---|---|---|
| DASH NO | THREAD SIZE | "D" DIA (REF) | |
| | | MAX | MIN |
| -8 | 1/2"-13UNC-2A | .507 | .493 |
| -10 | 5/8"-11UNC-2A | .632 | .618 |
| -12 | 3/4"-10UNC-2A | .758 | .742 |
| -14 | 7/8"-9UNC-2A | .883 | .867 |
| -16 | 1"-8UNC-2A | 1.009 | .991 |
| -18 | 1 1/8"-8UNF-2A | 1.135 | 1.115 |
| -20 | 1 1/4"-8UNF-2A | 1.261 | 1.239 |

GENERAL NOTES:

1. MATERIAL: ASTM-A-320 GRADE B8M CLASS II (AISI TYPE 316 SST)
2. THREADS SHALL BE IN ACCORDANCE WITH ANSI B18.2.1
3. REMOVE BURRS AND BREAK SHARP EDGES
4. FINISH NO 5.4.1 OF MIL-STD-171
5. 125√ ALL SURFACES
6. CONTAINER SHALL BE MARKED PER KSC-STD-0015

EXAMPLE OF PART NUMBER: STUD, 3/4"-10UNC-2A X 5"LG, 1 1/4" MIN THREAD BOTH ENDS

76K04875 - 12 20 - 10

- 76K04875: DRAWING NUMBER
- 12: (SEE TABLE I) THREAD SIZE NO. (IN 1/16" INCREMENTS)
- 20: STUD LENGTH (IN 1/4" INCREMENTS)
- 10: MINIMUM THREAD LENGTH (IN 1/8" INCREMENTS)

CAD LOCKED
INITIAL: GP

THIS DRAWING DRAWN ON AND WILL BE REVISED ONLY BY COMPUTER

| | |
|---|---|
| SEE ENGINEERING RECORDS | |
| 76K04932 | STS |
| 76K04892 | STS |
| NEXT ASSY | USED ON |
| APPLICATION | |

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON FRACTIONS +/- 1/16 DECIMALS ANGLES +/- 5°
MATERIAL
HEAT TREATMENT
FINAL PROTECTIVE FINISH

ORIGINAL DATE OF DRAWING 11 APRIL 68
DRAFTER KFB INIT
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STRESS INIT
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STUD BOLT
TYPE 316 SST

WEIGHT CHECKER | DATE | CODE 22264
SCALE NONE | UNIT WEIGHT

JOHN F. KENNEDY SPACE CENTER, NASA
KENNEDY SPACE CENTER FLORIDA

DWG SIZE D | 76K04875
SHEET 2 OF 2

KSC FORM 21-6 (REV. 1/87) (CAD 3/93)