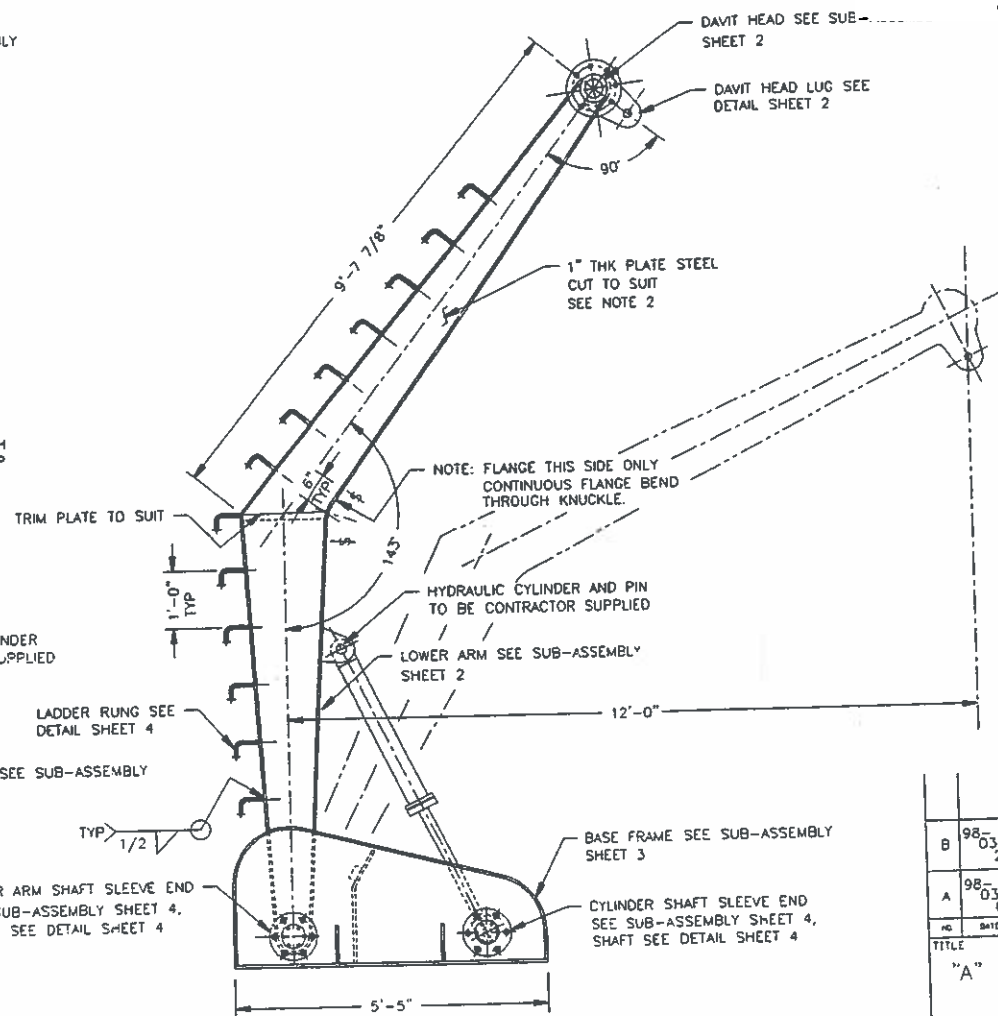


ELEVATION LOOKING IN-BOARD

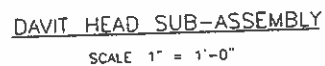
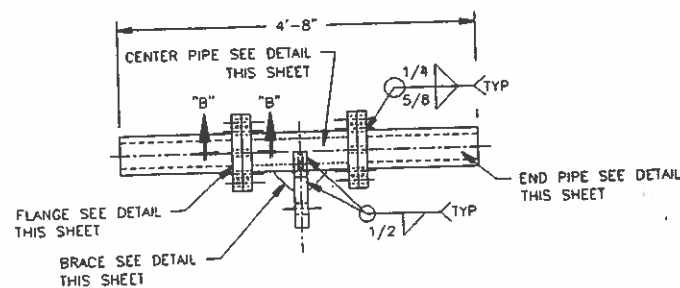
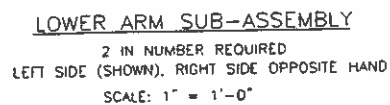
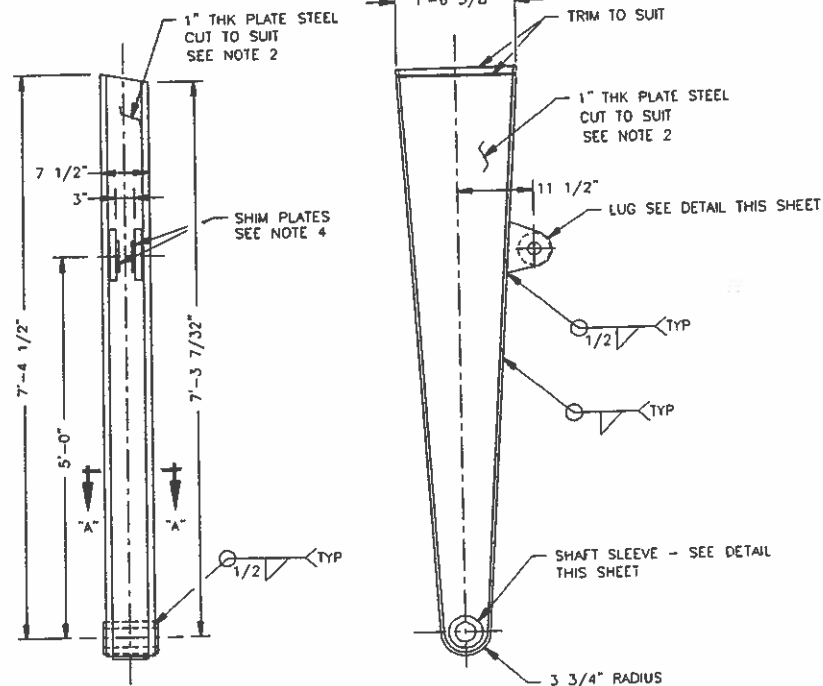
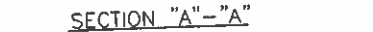
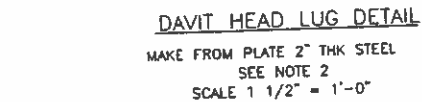
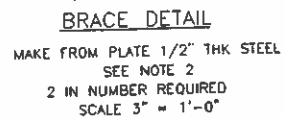
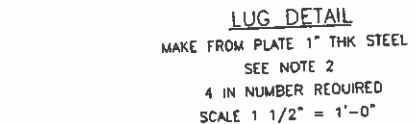
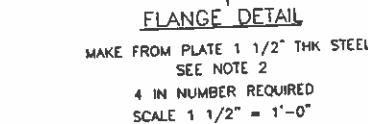
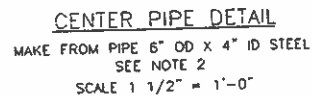
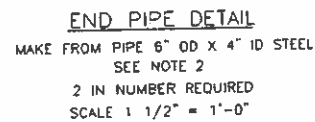
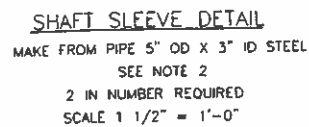


ELEVATION LOOKING FWD

A-FRAME

B	98-03-22	ISSUED FOR CONSTRUCTION		JF
A	98-03-09	DRAWN TO AS-MADE CONDITION		
NO	DATE	REVISION		BY
TITLE				
"A" FRAME LIFTING APPLIANCE ARRANGEMENT				
APPLICATION				
LOUIS S. SAINT LAURENT				
DRAWN		J FITZPATRICK	DATE 1998-02-28	
CHECKED			DATE	
APPROVED			DATE	
SCALE		3/4" = 1'-0"	SHEET 1 OF 1	
DRAWING NUMBER		98004	PART NUMBER	
			D	

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 (902) 884-1054
 email: jf12@telus.com
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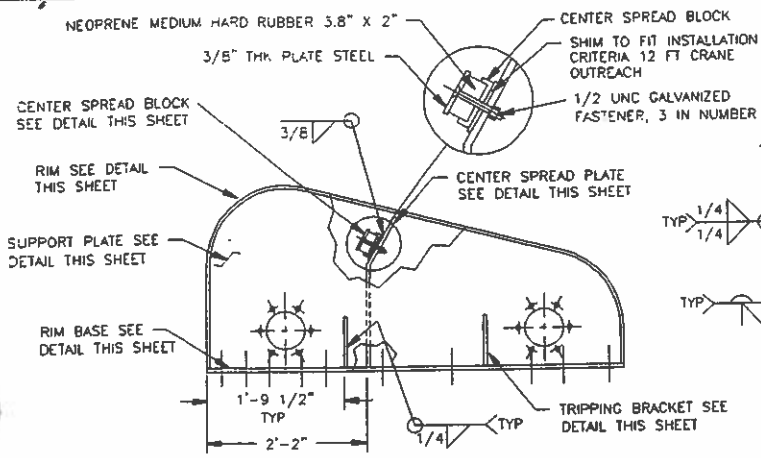


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A	98-03-09	DRAWN TO AS-MADE CONDITION	JF
NO	DATE	REVISION	BY
TITLE			
"A" FRAME LIFTING APPLAINECE SUB-ASSEMBLY AND DETAILS			
JD	APPLICATION		
LOUIS S. SAINT LAURENT			
DRAWN	J FITZPATRICK	DATE	1998-02-26
CHECKED		DATE	
APPROVED		DATE	
SCALE	AS NOTED	SHEET	2 OF 4
DRAWING NUMBER	98004	PART NUMBER	1

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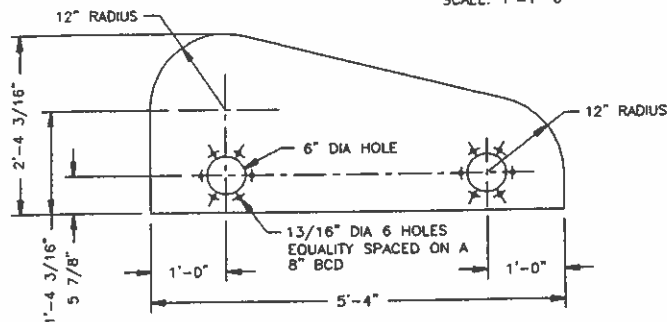
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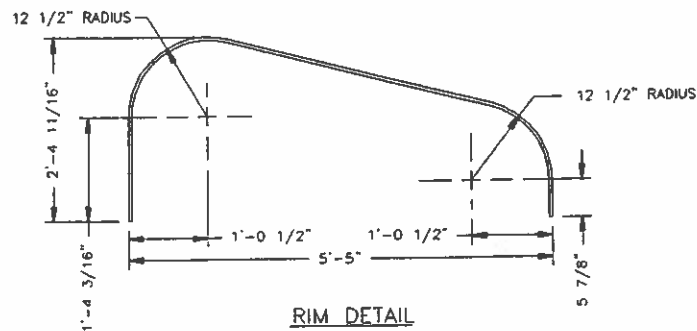
BASE FRAME SUB-ASSEMBLY

SCALE: 1"=1'-0"



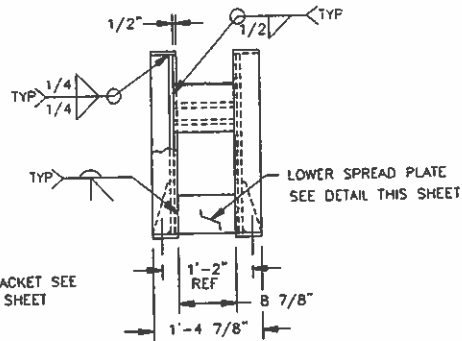
SUPPORT PLATE DETAIL

MAKE FROM PLATE 5/8" THK STEEL
SEE NOTE 2
4 IN NUMBER REQUIRED
SCALE 1" = 1'-0"



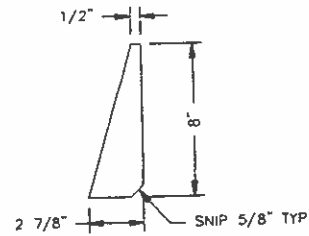
RIM DETAIL

MAKE FROM FLAT BAR 1/2" X 4" STEEL
SEE NOTE 2
4 IN NUMBER REQUIRED
SCALE 1" = 1'-0"



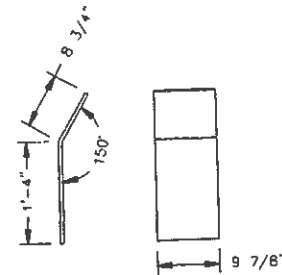
LOWER SPREAD PLATE DETAIL

MAKE FROM PLATE 1/2" STEEL
SEE NOTE 2
4 IN NUMBER REQUIRED
SCALE 1 1/2"=1'-0"



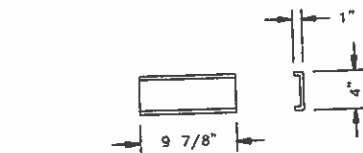
TRIPPING BRACKET DETAIL

MAKE FROM PLATE 1/2" THK STEEL
SEE NOTE 2
8 IN NUMBER REQUIRED
SCALE 3"=1'-0"



CENTER SPREAD PLATE DETAIL

MAKE FROM PLATE 9/16" THK STEEL
SEE NOTE 2
2 IN NUMBER REQUIRED
SCALE 1"=1'-0"

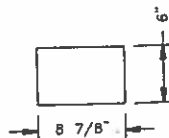


CENTER SPREAD BLOCK DETAIL

SEE NOTE 2
2 IN NUMBER REQUIRED
SCALE 1 1/2"=1'-0"

RIM BASE DETAIL

MAKE FROM FLAT BAR 4" X 5/8" STEEL
SEE NOTE 2
4 IN NUMBER REQUIRED
SCALE 1 1/2"=1'-0"

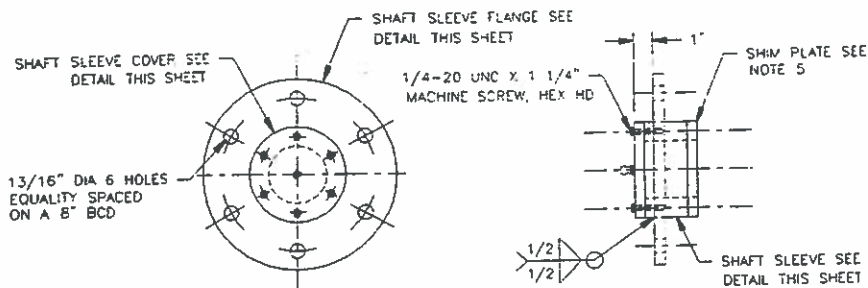


NO	DATE	REVISION	BY
B	98-03-22	ISSUED FOR CONSTRUCTION	JF
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TITLE
"A" FRAME LIFTING APPLIANCE
SUB-ASSEMBLY AND DETAILS

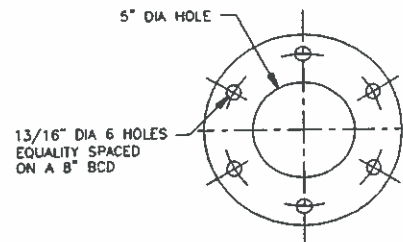
EDSTROM ENGINEERING LTD 6360 SOUTH STREET HALFAX, NOVA SCOTIA, B3H 1Y9 (902) 423-2008 email: edstrom@ns.sympatico.ca	
JOHN FITZPATRICK - DRAWING SERVICE 75 SHEA STREET SACKVILLE, NOVA SCOTIA, B4C 2B2 (902) 864-1054 email: jfitz@sympatico.ca	
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APPLICATION LOUIS S. SAINT LAURENT	
DRAWN J FITZPATRICK	DATE 1998-02-28
CHECKED	DATE
APPROVED	DATE
SCALE AS NOTED	SHEET 3 OF 4
DRAWING NUMBER 98004	PART NUMBER D



LOWER ARM SHAFT SLEEVE END SUB-ASSEMBLY

2 IN NUMBER REQUIRED
SCALE: 3" = 1'-0"



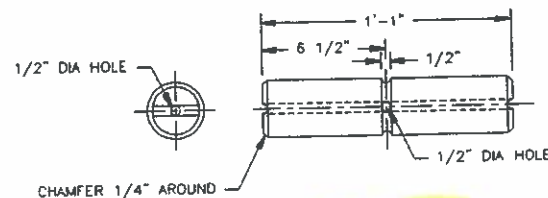
SHAFT SLEEVE FLANGE DETAIL

MAKE FROM PLATE 1/2" THK STEEL
SEE NOTE 2
8 IN NUMBER REQUIRED
SCALE: 3" = 1'-0"



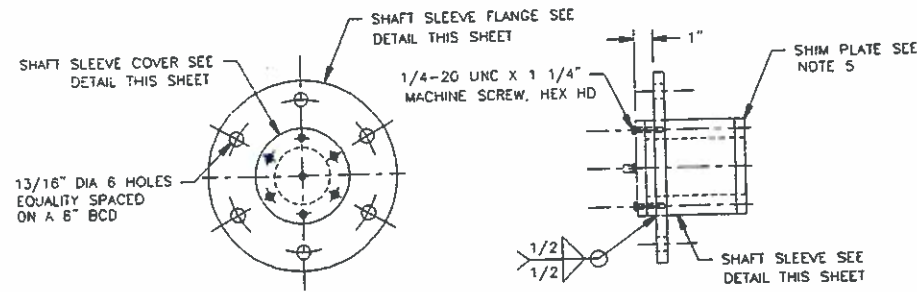
SHAFT SLEEVE COVER DETAIL

MAKE FROM PLATE 1/2" THK STEEL
SEE NOTE 2
8 IN NUMBER REQUIRED
SCALE: 3" = 1'-0"



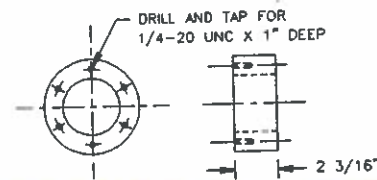
SHAFT DETAIL

MAKE FROM BAR 3" DIA STEEL
SEE NOTE 3 AND 4
4 IN NUMBER REQUIRED
SCALE: 3" = 1'-0"



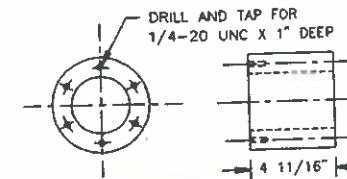
CYLINDER SHAFT SLEEVE END SUB-ASSEMBLY

2 IN NUMBER REQUIRED
SCALE: 3" = 1'-0"



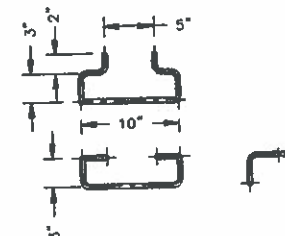
LOWER ARM SHAFT SLEEVE DETAIL

MAKE FROM PIPE 5" OD X 3" ID STEEL
SEE NOTE 2 AND 4
4 IN NUMBER REQUIRED
SCALE: 3" = 1'-0"



CYLINDER SHAFT SLEEVE DETAIL

MAKE FROM PIPE 5" OD X 3" ID STEEL
SEE NOTE 2 AND 4
4 IN NUMBER REQUIRED
SCALE: 3" = 1'-0"



RUNG DETAIL

MAKE FROM BAR 1/2" DIA STEEL
SEE NOTE 2
13 IN NUMBER REQUIRED
SCALE: 1 1/2" = 1'-0"

NOTES

- 1: ALL SHARP EDGES TO BE MADE SMOOTH
- 2: MATERIAL SPEC TO BE CSA G40.21
- 3: MATERIAL SPEC FOR SHAFT AISI C1045
- 4: SHAFT SLEEVES AND SHAFT TO HAVE A CLASS RC6 FREE RUNNING FIT
- 5: DIAMETER AND THICKNESS OF SHIMS TO BE DETERMINED AT INSTALLATION.
- 6: ALL FASTENERS TO BE GRADE 5. CONTRACTOR SUPPLIED
- 7: WELDING SPECIFICATION CSA W59
- 8: PRE-TREATMENT AND PAINTING TO BE I/A/W SHIP'S STAFF.

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TITLE			
"A" FRAME LIFTING APPLIANCE SUB-ASSEMBLY AND DETAILS			
APPLICATION			
LOUIS S. SAINT LAURENT			
DRAWN	J FITZPATRICK	DATE	1998-02-28
CHECKED		DATE	
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SCALE	AS NOTED	SHEET	4 OF 4
DRAWING NUMBER	98004	PART NUMBER	