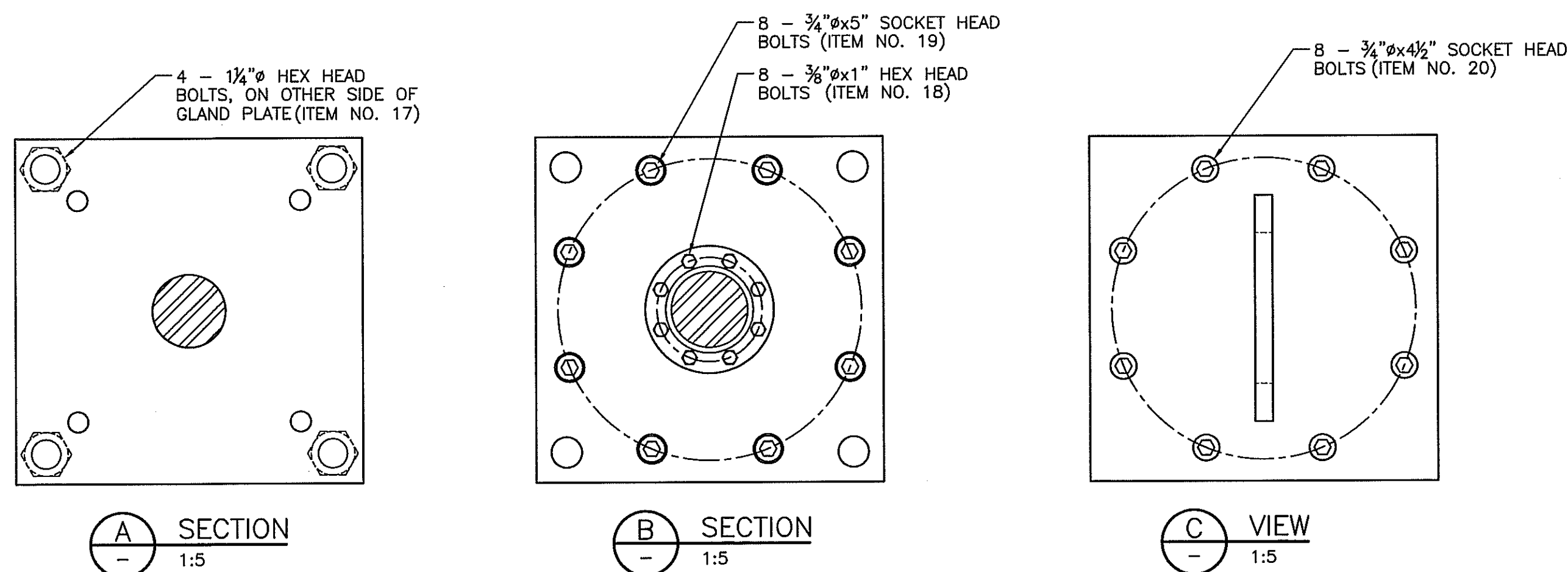


CYLINDER DATA

BARREL:	279.40 O.D. x 254.00 I.D.
ROD:	76.17Ø
STROKE:	2127
DESIGN PRESSURE:	140 BAR



BILL OF MATERIALS			
ITEM NO.	ITEM	DESCRIPTION	QUANTITY
1	BARREL	SEE SHEET 2	1
2	ROD	SEE SHEET 2	1
3	GLAND	SEE SHEET 3	1
4	GLAND CAP	SEE SHEET 3	1
5	END CAP	SEE SHEET 3	1
6	PISTON	SEE SHEET 3	1
7	O-RING	2-230 N70	1
8	BRONZE BEARING	252.73 O.D. x 222.25 I.D.	1
9	CRUB SET SCREW	3/8" x 3/4" NC	1
10	PISTON SEAL	254.00 O.D. x 228.60 I.D. CHEVRON TYPE PACKING	AS REQ'D
11	O-RING	2-273 N70	2
12	SEAL RETAINER	SAE 660 BRONZE SEAL RETAINER	1
13	BRONZE BEARING	95.25 O.D. x 77.47 I.D.	1
14	ROD SEAL	95.25 O.D. x 76.20 I.D. CHEVRON TYPE PACKING	AS REQ'D
15	WIPER SEAL	76.20Ø AN-29	1
16	O-RING	2-268 N70	1
17	BOLTS	1 1/4" x 5 1/2" NC S.S.	4
18	HEX BOLTS	3/8" x 1" NC (SAFETY WIRE AFTER INSTALL)	8
19	SOCKET HEAD BOLTS	3/4" x 5" NC S.S.	8
20	SOCKET HEAD BOLTS	3/4" x 4 1/2" NC S.S.	8
21	HEX BOLTS	7/8" x 2 1/4" NC S.S.	4
22	WASHERS	3/4" SAE S.S. FLAT HARD WASHERS	8
23	NUTS	3/4" NC S.S. NUTS	16
24	NUTS	2 3/4" - 8 TPI S.S. NUTS	2

NOTE:  
DIMENSIONS SHOWN ARE NOMINAL. SUPPLIER SHALL DETERMINE  
TOLERANCES AND SURFACE FINISHES REQUIRED TO ACHIEVE  
PERFORMANCE REQUIREMENTS INDICATED IN SPECIFICATIONS AND  
TO INDICATE AS REQUIRED ON SHOP DRAWINGS



JUL 10 2015

5		
4		
3		
2	RE-ISSUED FOR TENDER	20150710
1	ISSUED FOR TENDER	20150624
0	ISSUED FOR 90% REVIEW	20150611
Revision/ Draughting	Description/Description	Date/Date

Client/Client

**ESQUIMALT  
GRAVING DOCK**

825 ADMIRALS ROAD  
ESQUIMALT, B.C., V9A 2P1

Project title/Titre du projet

**PENSTOCK  
CYLINDER  
REPLACEMENT**

Consultant Signature Only

Designed by/Concept par

KU/MGCS/TMW

Drawn by/Dessiné par

PHU JUNE015

PWSC Project Manager/Administrateur de Projets TPSCG

JON SISKKA

Regional Manager, Architectural and Engineering Services  
Gestionnaire régionale, Services d'architectural et de génie, TPSCG  
Frederick Paul

Drawing title/Titre du dessin

**GENERAL ARRANGEMENT**

Project No./No. du  
projet  
**R.016116.098**

Sheet/Fauille  
**01**  
OF 3

Revision no./  
La Révision  
no.  
**2**