



1 SLURRY PUMP PIT ACCESS COVER ASSEMBLY
SCALE: 1/4

PARTS/MATERIAL LIST					
QTY -020	QTY -010	PART/DASH NUMBER	NOMENCLATURE/DESCRIPTION	MATERIAL/REFERENCE	SHT ITEM NO
		-010	SLURRY PUMP PIT ACCESS COVER ASSEMBLY		1 1
	1	-020	SLURRY PUMP PIT ACCESS COVER WELDMENT		2 2
1		-001	TOP PLATE, 4" THK	ASTM A36	3 3
2			PLATE, 4 X 8 X 81 LG	ASTM A36	4 4
1			PLATE, 4 X 16 X 36 1/4 LG	ASTM A36	5 5
1			PLATE, 4 X 8 X 36 1/4 LG	ASTM A36	6 6
2			BAR, 4 X 7 1/2 X 12 LG	ASTM A36	7 7
4			ANGLE, 6 X 6 X 1/2 X 4 LG	ASTM A36	8 8
4		46018-C	SWIVEL HOIST RING, 3/4-10 UNC, 5,000 LBS, CADMIUM PLATED	ACTEK	9 9

GENERAL NOTES: (UNLESS OTHERWISE SPECIFIED)

- DIMENSIONS ARE IN INCHES, TOLERANCES SHALL BE AS FOLLOWS:

DECIMALS	ANGULAR	FRACTIONS
.XX±0.03	.XXX±0.010	±3'
		±1/8"
- ESTIMATED ASSEMBLY WEIGHT: 6,700 LBS
- REMOVE ALL BURRS AND SHARP EDGES.
- WELD AND INSPECT STRUCTURAL WELDS PER AWS D1.1 STATICALLY LOADED STRUCTURE. VT WELDS ON FINAL PASS. ALL WELDS SHALL BE EXAMINED BY AN AWS QC-1 CERTIFIED WELD INSPECTOR.
- SEE RPP-CALC-62634 FOR LIFTING AND STRUCTURAL ANALYSIS.
- PREPARE AND PAINT ALL EXPOSED CARBON STEEL SURFACES WITH ONE COAT OF FAST DRYING INDUSTRIAL RUST INHIBITING PRIMER AND TWO FINISH COATS OF WHITE FAST DRYING INDUSTRIAL ENAMEL. APPLY PAINT ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

7 AFTER FINAL FABRICATION LABEL PUMP PIT ACCESS COVER WITH ASSEMBLY NAME, DRAWING NUMBER AND ACTUAL WEIGHT USING 1" HIGH BLACK CHARACTERS. VINYL LETTERING OR PAINT APPROXIMATELY AS SHOWN.

8 ACTEK SWIVEL HOIST RING NOTES:

- ALL SWIVEL HOIST RINGS SHALL BE AS MANUFACTURED BY ACTEK MANUFACTURING AND ENGINEERING, INC. INSTALL/RE-INSTALL THESE HOIST RINGS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS EXCEPT AS AMENDED AND DOCUMENTED IN VENDOR INFORMATION FILE #VI-50159. THE MANUFACTURER'S AMENDED INFORMATION AND/OR OTHER RELEVANT INFORMATION IS DESCRIBED IN THE FOLLOWING NOTES.
- ALL STEEL COMPONENTS ENGAGING THE HOIST RINGS SHALL HAVE MINIMUM TENSILE STRENGTHS OF 58,000 PSI.
- PRIOR TO ITS USE, EACH HOIST RING SHALL BE TIGHTENED TO TORQUE VALUE AS SHOWN BELOW, APPLY TORQUE PAINT FOLLOWING FINAL TORQUE.

ACTEK HOIST RING NUMBER	SCREW SIZE	RATED LOAD	TORQUE FT-LBS (+/-10%)
46018-C	3/4-10 UNC	5,000	100

- IF "ANTI-SEIZE" LUBRICANT IS PRESENT IN THE THREADS OF THE HOIST RING SCREW OR IN THE TAPPED THREADS, IT MUST BE REMOVED WITH ACETONE OR ANOTHER VENDOR APPROVED SOLVENT.
- INSPECTION OF HOIST RINGS SHALL MEET MANUFACTURER'S AND HANFORD SITE HOISTING AND RIGGING MANUAL (DOE-RL-92-36) REQUIREMENTS.
- REMOVE HOIST RINGS AS REQUIRED TO MINIMIZE TRIPPING HAZARDS.
- MINIMUM SLING ANGLE IS 60 DEGREES FROM HORIZONTAL.
- COLD WEATHER: HOIST RINGS SHALL BE WARMED (NOT HOT) TO ABOVE 10 °F PRIOR TO THEIR USE. HOIST RINGS WARMED DURING INSTALLATION MUST HAVE THEIR TORQUE RE-CHECKED PRIOR TO USE. HOIST RINGS SHOULD BE REMOVED AND KEPT IN A WARM LOCATION FOR EXTENDED COLD WEATHER USE.
- ALL ACTEK HOIST RING SCREW THREADS ARE CLASS 2A, THEREFORE, ALL TAPPED THREADS SHALL BE MATCHING CLASS 2B.
- SELECTED HOIST RINGS ARE SIZED FOR LIFTING THE ENTIRE ASSEMBLY.

9 AFTER FINAL FABRICATION LABEL PUMP PIT ACCESS COVER ASSEMBLY WITH CENTER OF GRAVITY USING 2" DIAMETER SYMBOL. APPLY VINYL LETTERING OR PAINT APPROXIMATELY AS SHOWN.

DWG NUMBER	TITLE	REV	DESCRIPTION
H-15-6	A-FARM WRS PIT MODELS		
H-14-111014	DRAWING LIST & TITLE SHEET	0	INITIAL RELEASE PER EDT-882262
REF NUMBER	TITLE	REV	DESCRIPTION
DRAWING TRACEABILITY LIST		REV	REVISIONS

BUILDING NO. 241-A	DATE 9/19/2019	COMPANY HANFORD RELEASE
DRAWN BY H.A. MENDEZ	CHECKED BY J.R. BYERS	DESIGN AUTHORITY C.H. ANDERSON
INDEX NO. 4750 9901	SCALE SHOWN 1/4	SIZE 11x17
U.S. DEPARTMENT OF ENERGY Office of River Protection		13950
A-FARM RETRIEVAL SLURRY PUMP PIT ACCESS COVER ASSEMBLY		DOE-TL-FDWG (MAY 2018)
DWG NUMBER H-14-111044	SHEET 1	REV 00

DATE:
Sep 19, 2019
HANFORD RELEASE