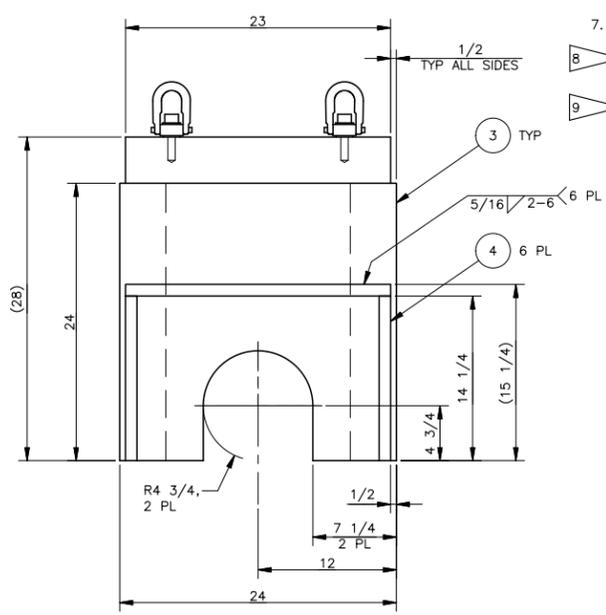
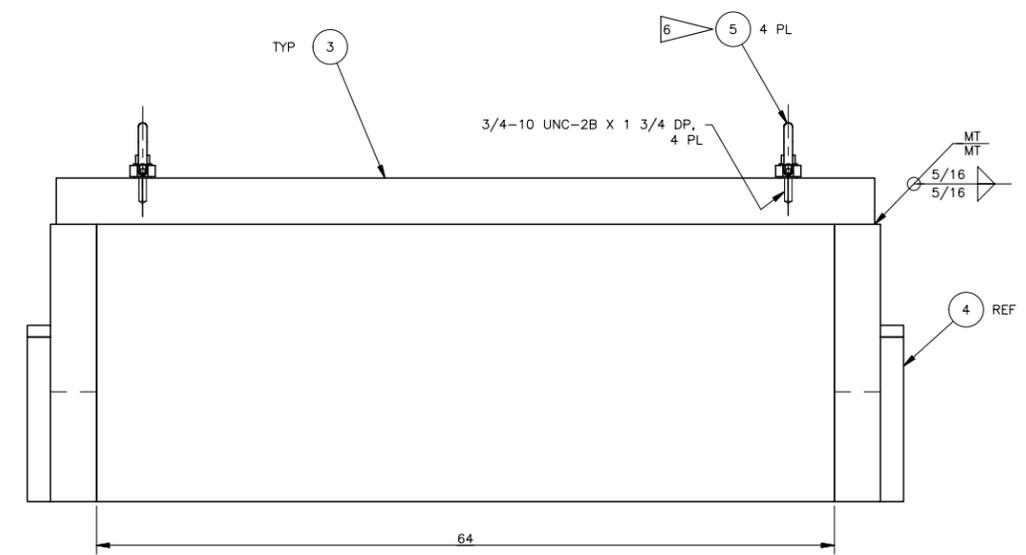
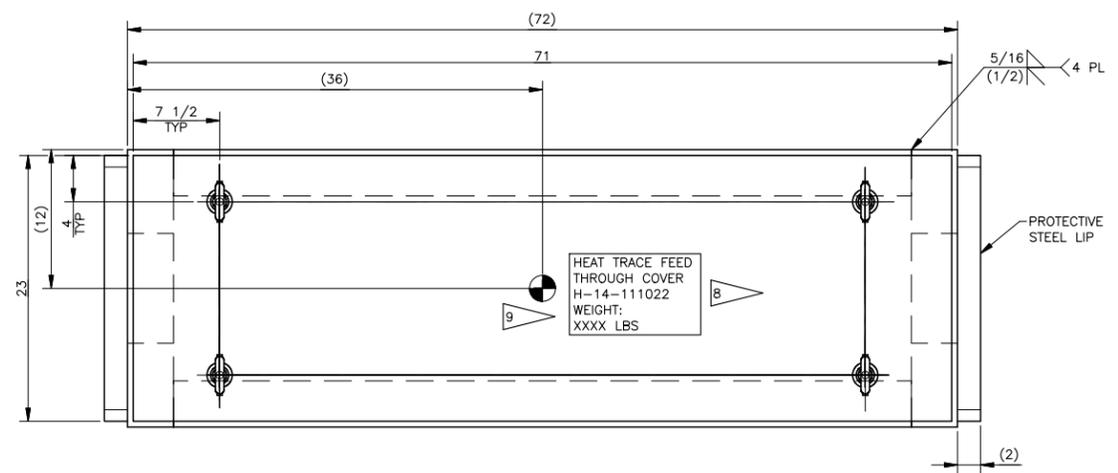


PARTS/MATERIAL LIST						
QTY	QTY	PART/DASH NUMBER	NOMENCLATURE/DESCRIPTION	MATERIAL/REFERENCE	SHT	ITEM NO
	1	-010	HEAT TRACE FEED THROUGH COVER ASSEMBLY		1	1
						2
AR			PLATE, 4" THK	ASTM A36		3
AR			BAR, 2" X 1" X LAR	ASTM A36		4
4		46018-C	SWIVEL HOIST RING, 3/4-10 UNC, 5,000 LBS, CADMIUM PLATED	ACTEK		5

- GENERAL NOTES:** (UNLESS OTHERWISE SPECIFIED)
- DIMENSIONS ARE IN INCHES, TOLERANCES SHALL BE AS FOLLOWS:
 DECIMALS .XX±0.03 ANGULAR ±3° FRACTIONS ±1/8"
 - ESTIMATED ASSEMBLY WEIGHT: 6,600 LBS
 - REMOVE ALL BURRS AND SHARP EDGES. ROUND ALL EDGES THAT MAY CONTACT HOSE.
 - WELD AND INSPECT STRUCTURAL WELDS PER AWS D1.1 FOR STATICALLY LOADED STRUCTURES. VT FINAL PASS. WELDING PROCEDURES AND WELDER QUALIFICATIONS PER ASME SECTION IX ARE ACCEPTABLE.
 - PREPARE AND PAINT ALL EXPOSED CARBON STEEL SURFACES WITH PPG PAINT PSX700 OR EQUIVALENT. FINISH COLOR SHALL BE WHITE. APPLY PAINT PER MANUFACTURER'S SPECIFICATIONS. POWDER COAT IS AN ACCEPTABLE COATING SYSTEM.
- 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.
 - ALL ACTEK HOIST RING SCREW THREADS ARE CLASS 2A, THEREFORE, ALL TAPPED THREADS SHALL BE MATCHING CLASS 2B.
 - PRIOR TO ITS USE, EACH HOIST RING SHALL BE TIGHTENED TO TORQUE VALUE AS SHOWN BELOW.

ACTEK HOIST RING PART NUMBER	SCREW SIZE	RATED LOAD (LBS)	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.
 - 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 DURING EXTENDED COLD WEATHER USE.
 - MINIMUM SLING ANGLE IS 60 DEGREES FROM HORIZONTAL.
- SEE RPP-CALC-62634 FOR A BOUNDING STRUCTURAL ANALYSIS, AND RPP-CALC-62207 FOR SHIELDING ANALYSIS.
 - AFTER FINAL FABRICATION LABEL HEAT TRACE FEED THROUGH SHIELD BOX WITH ASSEMBLY NAME, DRAWING NUMBER AND ACTUAL WEIGHT USING 1" HIGH BLACK CHARACTERS. APPLY VINYL LETTERING OR PAINT APPROXIMATELY AS SHOWN.
 - AFTER FINAL FABRICATION LABEL HEAT TRACE FEED THROUGH SHIELD BOX WITH CENTER OF GRAVITY USING 2" DIAMETER SYMBOL. APPLY VINYL LETTERING OR PAINT APPROXIMATELY AS SHOWN.



1 HEAT TRACE FEED THROUGH COVER ASSEMBLY
SCALE: 1 / 6

DATE: Sep 17, 2019 HANFORD RELEASE

DWG NUMBER	TITLE	REV NO.	DESCRIPTION
H-15-32	A-FARM WRS HT SHIELD BOX	0	RELEASED PER EDT-882263
H-14-111014	DRAWING LIST / TITLE SHEET		
REF NUMBER	TITLE	REV NO.	DESCRIPTION
DRAWING TRACEABILITY LIST		REVISIONS	

BLDG. NO. 241-A	DATE	CAUTION: NOT COMPLETE WITHOUT CURRENT CHANGE DOCUMENTS FROM DATABASE	
DESIGNER: R BYERS	COMPANY: U.S. DEPARTMENT OF ENERGY	Office of River Protection	
DESIGN CHECKER: R BYERS	A-FARM RETRIEVAL HEAT TRACE FEED THROUGH SHIELD BOX		
DESIGN AUTHORITY: C H ANDERSON	SIZE: F	DRAWING NUMBER: H-14-111022	SHEET: 1 OF 00
	WPS: SCALE SHOWN	12227	DOE-TR-F-210 (MAY 2018)