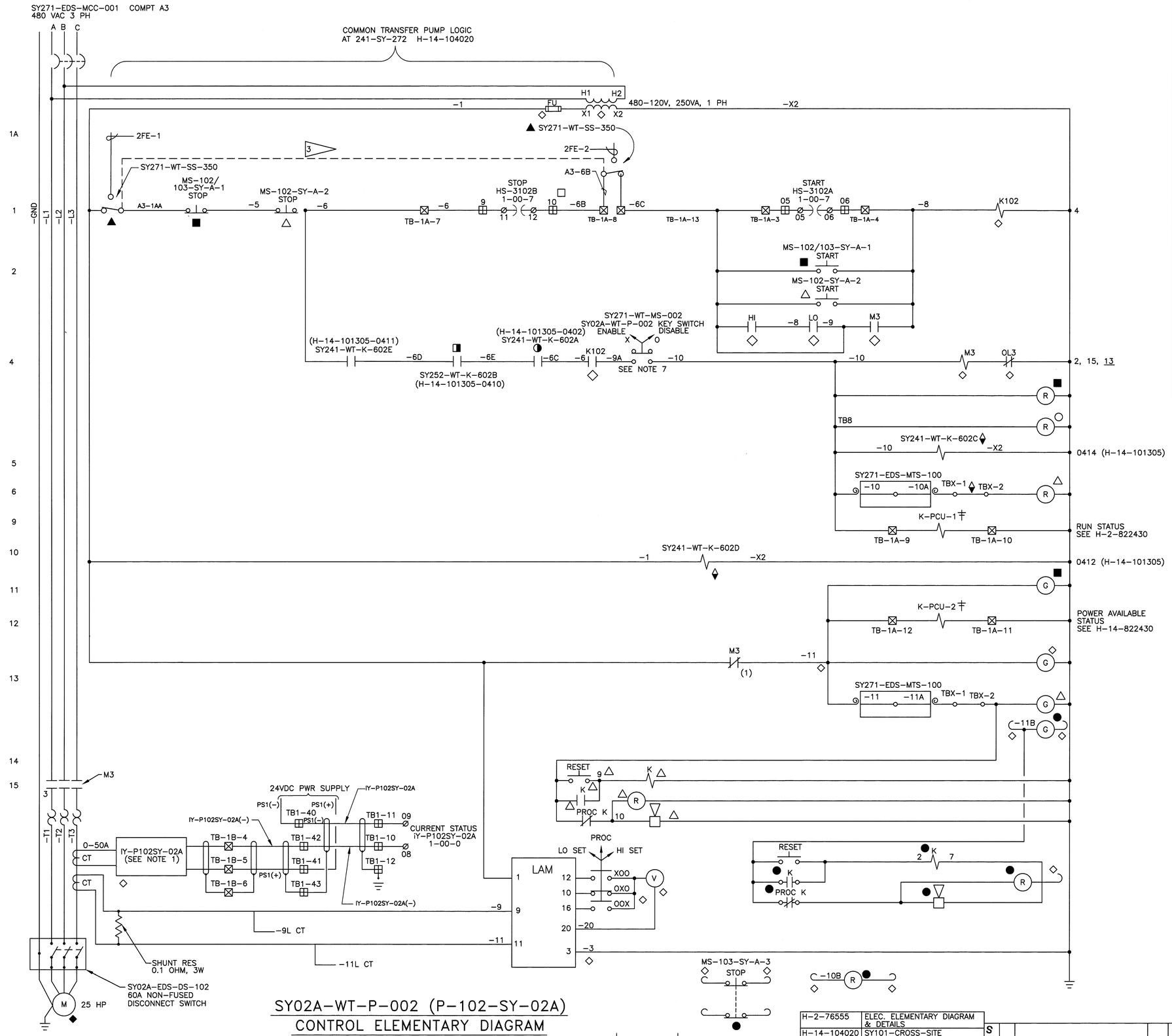

SY02A-WT-P-002 (P-102-SY-02A)

CONTROL ELEMENTARY DIAGRAM

PREFIX WIRE NO WITH "A3"
REF DWG H-2-46789 SH 1 & H-2-76555 SH 1

LEGEND

SYMBOL	LOCATION DESCRIPTION
○	LOCATED ON INSTRUMENT PANEL, 241-SY-271 BLDG
●	LOCATED ON PUMP CONTROL STATION SY03A-WT-CP-103
△	LOCATED ON PUMP CONTROL STATION SY02A-WT-CP-102
▲	LOCATED IN EXISTING RELAY CABINET, 241-SY-271 BLDG
◇	LOCATED IN SY271-EDS-MCC-001
◆	LOCATED IN EXISTING PUMP PIT 02A
⌀—⌀	COMPUTER PT PCU1 AT 252-S BLDG
■	LOCATED ON 242-S CONTROL ROOM PANEL "G"
□	LOCATED IN LDK-TB1, 241-SY-271 BLDG
╪	LOCATED IN PCU1, 252-S BLDG
⊠	LOCATED IN TERMINAL BOX TBX-1A & -1B, 241-SY-271 BLDG
⊞	TERMINAL BLOCKS LOCATED IN PCU1 AT 252-S BLDG
◨	LOCATED IN SY252-WT-ENCL-106 RELAY ENCLOSURE INSIDE 252S BLDG
◑	LOCATED IN SY241-WT-ENCL-105 RELAY ENCLOSURE OUTSIDE 252S BLDG
◆	LOCATED IN SY241-WT-ENCL-111 (NEAR PLC CABINET SY241-WT-ENCL-107)

NOTES:

1. INSTALL NEW ISOLATED TWO WIRE CURRENT TRANSMITTER IN MCC COMPARTMENT A3. CONNECT "C" PHASE AS SHOWN. TRANSMITTER SHALL BE RILEY MODEL 420 WITH CURRENT RANGE AS SHOWN, OR APPROVED SUBSTITUTE.
2. DELETED
3. WIRE NO. PREFIX FOR THE COMMON TRANSFER PUMP LOGIC WILL RETAIN THE ORIGINAL DESIGNATION PREFIX A3. REF. H-14-104020. THE POWER SOURCE MAY BE EITHER SY271-EDS-MCC-001 (A3) OR SY272-EDS-MCC-003 (2FE).
4. WIRE ID'S B34-31A ARE USED AT TWO DIFFERENT LOCATIONS.
5. DELETED
6. DELETED
7. 2 POSITION KEY OPERATED SWITCH, MANUAL RETURN. SQUARE D, PART NO. 9001KS11K2E28. KEY CAN ONLY BE REMOVED IN "DISABLE" POSITION.
8. REFERENCE DRAWING H-2-46789 SHEET 1 FOR TERMINAL BOXES TBX-1, TBX-2, TBX-3, AND TBX-4, WHICH ARE USED FOR ROUTING THE SY02A-WT-P-002 PUMP START CONTROL UNIT.
9. REVISION 9 OF THIS DRAWING WAS FIELD WALKED DOWN IN APRIL 2011. FOR CHANGES MADE AND FOR ITEMS NOT VERIFIED IN FIELD, SEE ECN-11-000872.

JUN 27 2011
DATE:
STA:
HANFORD RELEASE
ID:
58

DWG NO	TITLE
H-2-76555	ELEC. ELEMENTARY DIAGRAM & DETAILS
H-14-104020	SY101-CROSS-SITE PUMP SY101-WT-P-350 ELEC. E.EM. DIAGRAM
	DRAWING LIST

DRAWING TRACEABILITY LIST

REF NUMBER	TITLE
	REFERENCES

NEXT USED ON

REV REL	MFD	REV NO	DESCRIPTION	REV BY DATE	DRAFTING APRVD	ENGR	COMPANY
S		10	DIRECT REV PER ECN-11-000872	EJH 04/11	RN KYLE	6/13/11	REC ENGR WRPS

REVISIONS

	NAME	DATE	COMPANY
DRAWN BY	SEE REVISION 0		
ENGINEER			

U.S. DEPARTMENT OF ENERGY
Office of River Protection

ELECTRICAL
ELEMENTARY DIAGRAM
PUMP P-102-SY-02A

SIZE	BLDG NO	INDEX NO	DWG NO	REV
F	241SY	7502	H-2-822442	10

SCALE NONE | EDT 612961 | SHEET 1 OF 1

18606 | DOE_TB_F.DWG (01-01)

DWG NO H-2-822442 | SH 1 OF 1 | REV 10