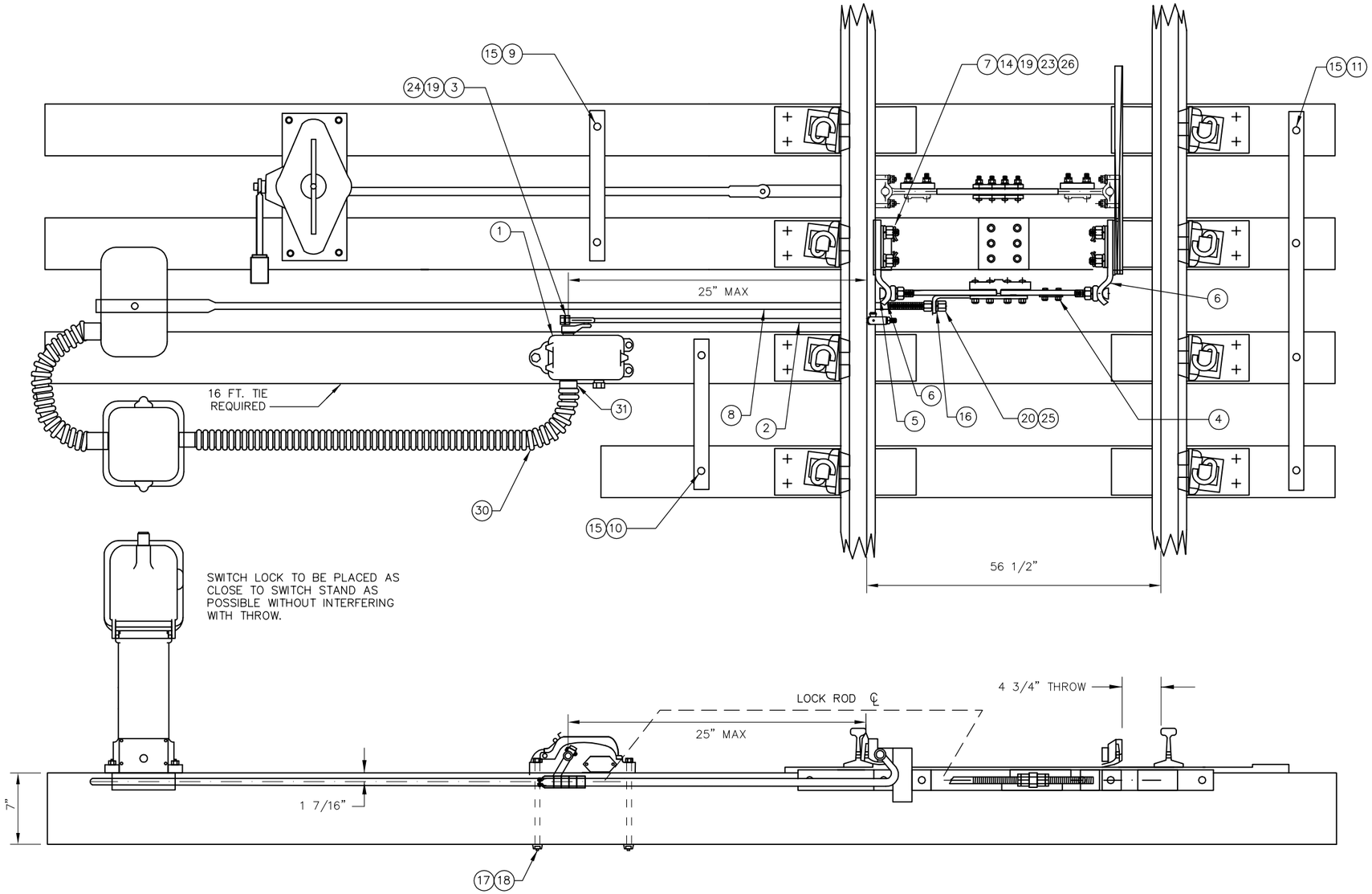
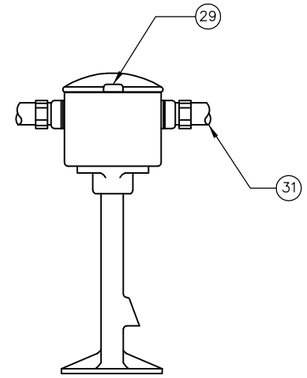



| ITEM # | DESCRIPTION / MATERIAL/ APPROX. SIZE | NO. REQ'D |
|---|---|---|
| 1 | U-5 SWITCH CIRCUIT CONTROLLER, 4 POINT CAM, 2 POSITION W/ SPRING, 3/4" OFFSET CRANK & INSULATED BALL STUD | 1 |
| 2 | CIRCUIT CONTROLLER CONNECTING ROD, NEARSIDE | 1 |
| 3 | CONTROLLER SOCKET, STRAIGHT, ASSEMBLY | 1 |
| 4 | SWIVEL FRONT ROD, HIGH PROFILE | 1 |
| 5 | POINT LUG, BALL END | 1 |
| 6 | SWIVEL POINT LUG | 2 |
| 7 | PLATE WASHER | 2 |
| 8 | LOCKROD CONNECTING ROD, ELECTRIC LOCK | 1 |
| 9 | TIE STRAP, DOUBLE OFFSET, 2-TIE | 1 |
| 10 | TIE STRAP, FLAT, 2-TIE | 1 |
| 11 | TIE STRAP, FLAT, 4-TIE | 1 |
| 12 | | |
| 13 | STUD, 3/4-10 X 12" | 3 |
| 14 | BOLT, 1-8 X 5" THIN SQ. HD. DR. @ 3 29/32" & 4 21/32" | 4 |
| 15 | LAG SCREW, 3/4" X 5" | 8 |
| 16 | WASHER, SPERICAL | 2 |
| 17 | FLAT WASHER, 3/4" USS | 3 |
| 18 | LOCK WASHER 3/4" HEAVY SPLIT | 3 |
| 19 | LOCK WASHER, 1" HEAVY SPLIT | 5 |
| 20 | NUT, 1 1/4-7 HEAVY HEX CUPPED | 3 |
| 21 | NUT, 3/4" HEAVY HEX HEAD | 4 |
| 22 | NUT, 3/4" HEAVY SQUARE HEAD | 4 |
| 23 | NUT, 1" HEAVY HEX HEAD SLOTTED | 5 |
| 24 | NUT, 1-8 HEAVY HEX | 1 |
| 25 | NUT, 1 1/4-7 HEAVY HEX JAM | 2 |
| 26 | COTTER PIN, 1/4" X 1 3/4" | 4 |
| 27 | GRIP WASHER | 3 |
| 28 | | |
| 29 | JUNCTION BOX COMPLETE, DOUBLE OUTLET | 1 |
| 30 | CONDUIT, 1 1/2" LUQUIDTITE FLEX | |
| 31 | SEALTITE COUPLING, 1 1/2" | 2 |




## JUNCTION BOX DETAIL

FOR PEDESTAL JUNCTION BOX DETAIL SEE SD-5301. LOCATE JUNCTION BOX OUTSIDE BALLAST LINE AND BURY CONDUIT TO PREVENT TRIPPING HAZARD. TOP OF JUNCTION BOX LEVEL WITH TOP OF TIE.

## PROCEDURE:

1. CENTER SCREW JAWS ON THREADED PORTION OF POINT DETECTOR ROD
2. POSITION SWCC ON HEADBLOCK TIE INSURING AMPLE CLEARANCE FOR OPERATING ROD ON THE POINT LUG AND OPERATING CRANK POINTED VERTICALLY DOWNWARD
3. WITH THE SWITCH POINT IN MID-POSITION INSTALL THE OPERATING ROD ON THE POINT LUG AND OPERATING CRANK
4. WITH CRANK VERTICALLY DOWNWARD AND SWITCH POINTS CENTERED, MARK HOLES AND DRILL

## NOTES:

1. TOP OF JUNCTION BOX LID LEVEL W/ TOP OF TIE
2. FOR TIE LENGTH AND SPACING REFER TO TRACK STANDARDS
3. CIRCUIT CONTROLLER SHALL BE POSITIONED SO THAT LID OPENS AWAY FROM THE TRACK

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

**PENINSULA CORRIDOR JOINT POWERS BOARD**

APPROVED BY:

ENGINEERING MANAGER

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Caltrain

1250 San Carlos Avenue
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**STANDARD DRAWINGS**

SIGNAL AND COMMUNICATION
SWITCH APPARATUS
9B ELECTRIC LOCK
HIGH SWITCH LAYOUT

CADD FILE NO.: SD-5323

REV: 0 | DATE: 093011

SIGNAL

STANDARD NO.: SD-5323