

2'-0"

10'-0"

SPACE NECESSARY FOR 25kV OVERHEAD CONTACT SYSTEM FOR CHSTP SECTIONS DEDICATED TO HIGH SPEED FOR CONTACT WIRE HEIGHT OF 17'-0" IN OPEN ROUTE ALIGNMENT

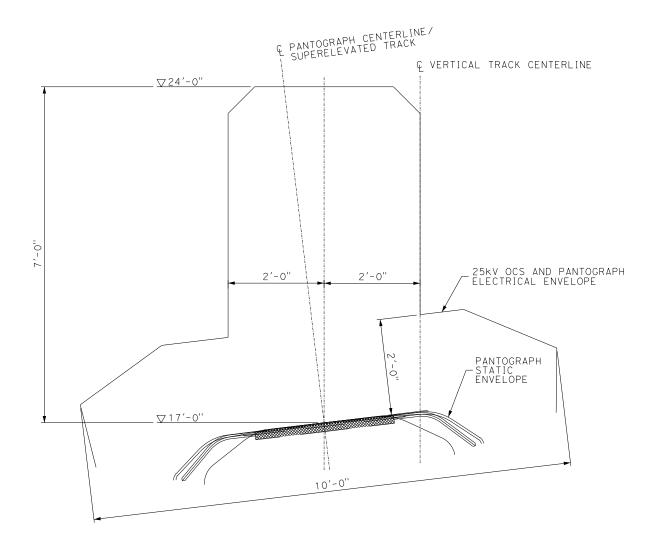
2'-0"

PARSONS BRINCKERHOFF

25kV OCS AND PANTOGRAPH ELECTRICAL ENVELOPE

PANTOGRAPH - STATIC ENVELOPE





SPACE NECESSARY FOR 25kV OVERHEAD CONTACT SYSTEM FOR CHSTP SECTIONS DEDICATED TO HIGH SPEED FOR CONTACT WIRE HEIGHT OF 17'-0"

IN OPEN ROUTE ALIGNMENT FOR SUPERELEVATED TRACK

NOTE:

1. THE 25kV OCS ELECTRICAL ENVELOPE DOES NOT INCLUDE THE NECESSARY SPACE REQUIREMENT FOR THE 25kV NEGATIVE FEEDER WIRE IN PHASE OPPOSITION TO THE 25kV CONTACT WIRE.



CALIFORNIA HIGH-SPEED TRAIN PROJECT

25kV OVERHEAD CONTACT SYSTEM AND PANTOGRAPH CLEARANCE ENVELOPE SHEET 1 OF 4

CONTRACT NO.
13259B
DRAWING NO.
TM 3.2.3-A
SCALE
1''=1'-0
CUEET NO

DESIGNED BY E. SCOTSON DRAWN BY CHECKED BY A. MURPHY CHARGE . SCOTSON REV DATE BY CHK APP DESCRIPTION 07-07-09

<u>∇ 22′-</u>6"

▽ 17′-0"

2'-0"

10'-0"

SPACE NECESSARY FOR 25kV OVERHEAD CONTACT SYSTEM FOR CHSTP SECTIONS DEDICATED TO HIGH SPEED FOR CONTACT WIRE HEIGHT OF 17'-0" ALIGNMENT IN TUNNEL OR STRUCTURE

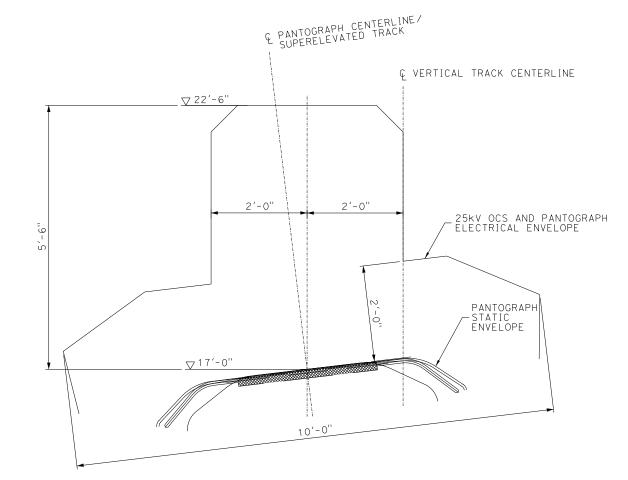
2'-0"

PARSONS BRINCKERHOFF

25kV OCS AND PANTOGRAPH ELECTRICAL ENVELOPE

PANTOGRAPH -STATIC ENVELOPE



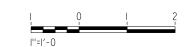


SPACE NECESSARY FOR 25kV OVERHEAD CONTACT SYSTEM FOR CHSTP SECTIONS DEDICATED TO HIGH SPEED FOR CONTACT WIRE HEIGHT OF 17'-0"

IN TUNNEL OR STRUCTURE FOR SUPERELEVATED TRACK

NOTE:

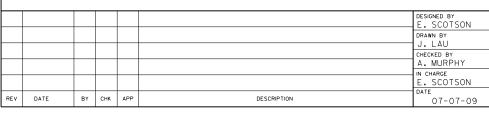
1. THE 25kV OCS ELECTRICAL ENVELOPE DOES NOT INCLUDE THE NECESSARY SPACE REQUIREMENT FOR THE 25kV NEGATIVE FEEDER WIRE IN PHASE OPPOSITION TO THE 25kV CONTACT WIRE.



CALIFORNIA HIGH-SPEED TRAIN PROJECT

25kV OVERHEAD CONTACT SYSTEM AND PANTOGRAPH CLEARANCE ENVELOPE SHEET 2 OF 4

CONTRACT NO.
13259B
DRAWING NO.
TM 3.2.3-B
SCALE
1''=1'-0''
SHEET NO.



2'-0"

13'-0"

SPACE NECESSARY FOR 25kV OVERHEAD CONTACT SYSTEM FOR CHSTP SECTIONS DEDICATED TO HIGH SPEED FOR CONTACT WIRE HEIGHT OF 18'-9" IN OPEN ROUTE ALIGNMENT

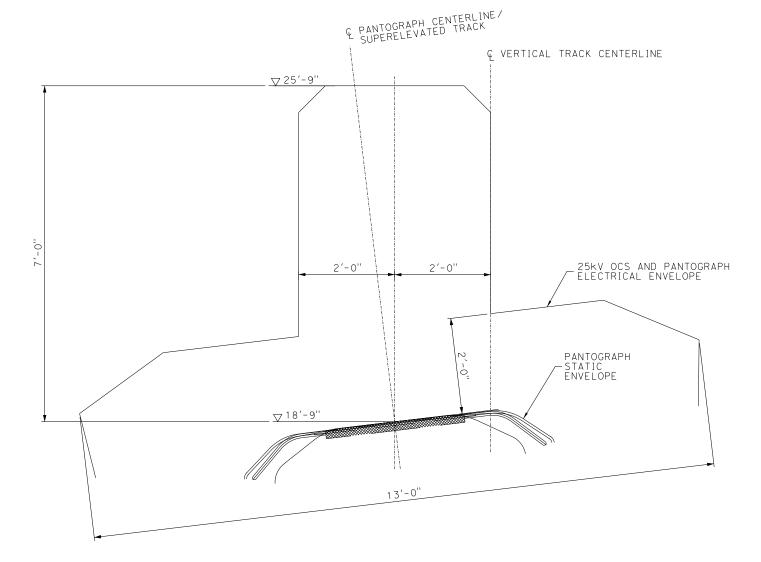
2'-0"

PARSONS BRINCKERHOFF

25kV OCS AND PANTOGRAPH ELECTRICAL ENVELOPE

PANTOGRAPH - STATIC ENVELOPE





SPACE NECESSARY FOR 25kV OVERHEAD CONTACT SYSTEM FOR CHSTP SECTIONS DEDICATED TO HIGH SPEED FOR CONTACT WIRE HEIGHT OF 18'-9"
IN OPEN ROUTE ALIGNMENT FOR SUPERELEVATED TRACK

NOTE:

1. THE 25kV OCS ELECTRICAL ENVELOPE DOES NOT INCLUDE THE NECESSARY SPACE REQUIREMENT FOR THE 25kV NEGATIVE FEEDER WIRE IN PHASE OPPOSITION TO THE 25kV CONTACT WIRE.



CALIFORNIA HIGH-SPEED TRAIN PROJECT

25kV OVERHEAD CONTACT SYSTEM AND PANTOGRAPH CLEARANCE ENVELOPE SHEET 3 OF 4

CONTRACT NO.
13259B
DRAWING NO.
TM 3.2.3-C
SCALE
1''=1''-0''
CUEET NO





<u>∇24′-3''</u>

2'-0"

13.00

SPACE NECESSARY FOR 25kV OVERHEAD CONTACT SYSTEM FOR CHSTP SECTIONS DEDICATED TO HIGH SPEED FOR CONTACT WIRE HEIGHT OF 18'-9"
ALIGNMENT IN TUNNEL OR STRUCTURE

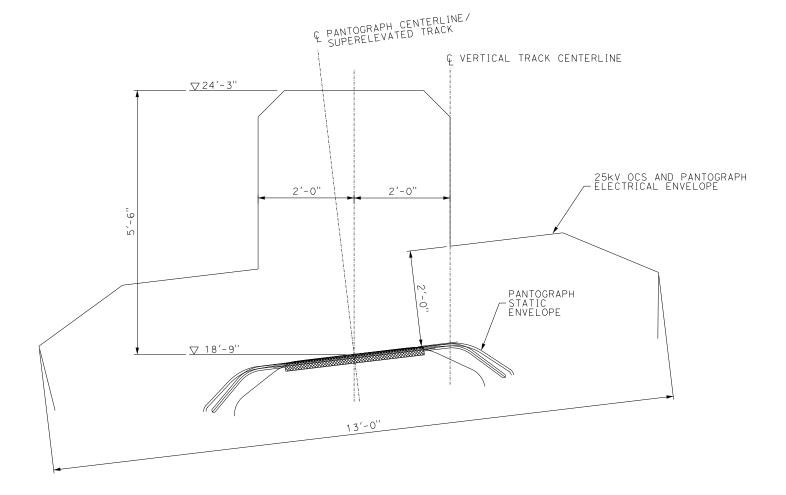
2'-0"

PARSONS BRINCKERHOFF

25kV OCS AND PANTOGRAPH ELECTRICAL ENVELOPE

PANTOGRAPH - STATIC ENVELOPE

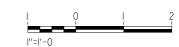




SPACE NECESSARY FOR 25kV OVERHEAD CONTACT SYSTEM FOR CHSTP SECTIONS DEDICATED TO HIGH SPEED FOR CONTACT WIRE HEIGHT OF 18'-9"

IN TUNNEL OR STRUCTURE FOR SUPERELEVATED TRACK

1. THE 25kV OCS ELECTRICAL ENVELOPE DOES NOT INCLUDE THE NECESSARY SPACE REQUIREMENT FOR THE 25kV NEGATIVE FEEDER WIRE IN PHASE OPPOSITION TO THE 25kV CONTACT WIRE.



CALIFORNIA HIGH-SPEED TRAIN PROJECT

25kV OVERHEAD CONTACT SYSTEM AND PANTOGRAPH CLEARANCE ENVELOPE SHEET 4 OF 4

CONTRACT NO.
13259B
DRAWING NO.
TM 3.2.3-D
SCALE
1''=1'-0''
SHEET NO.