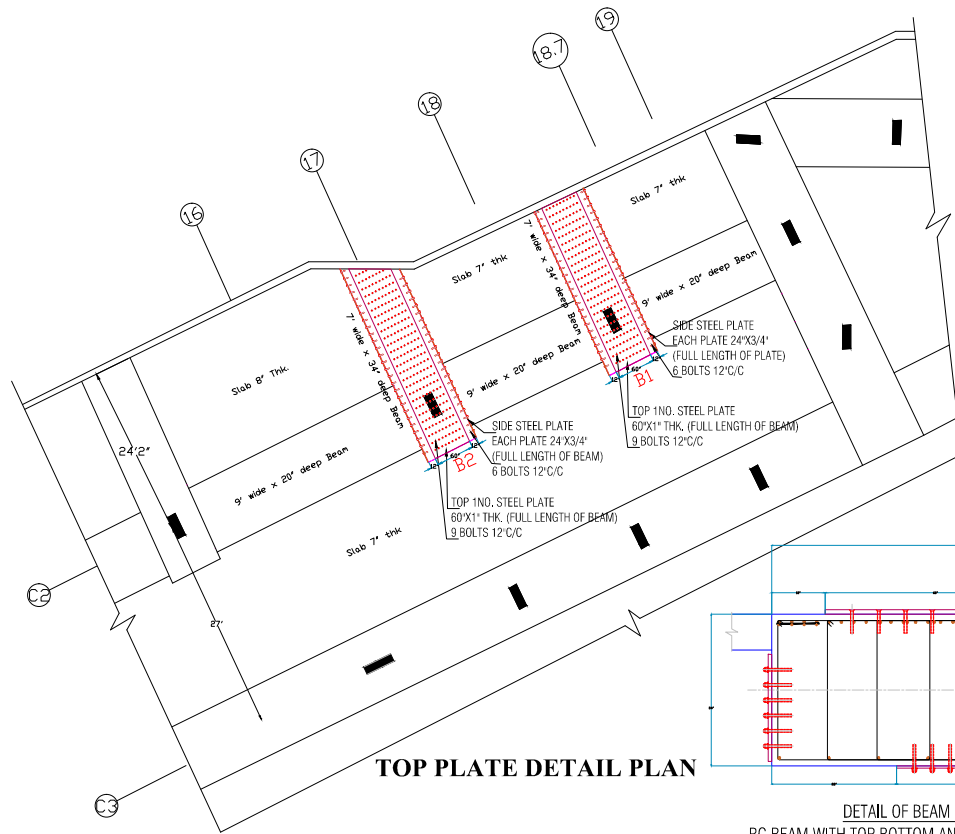
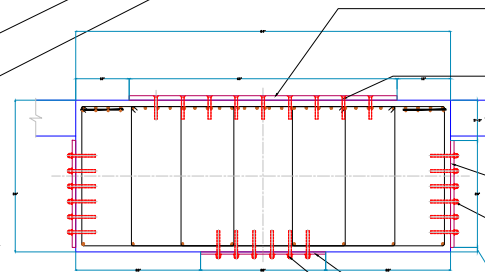
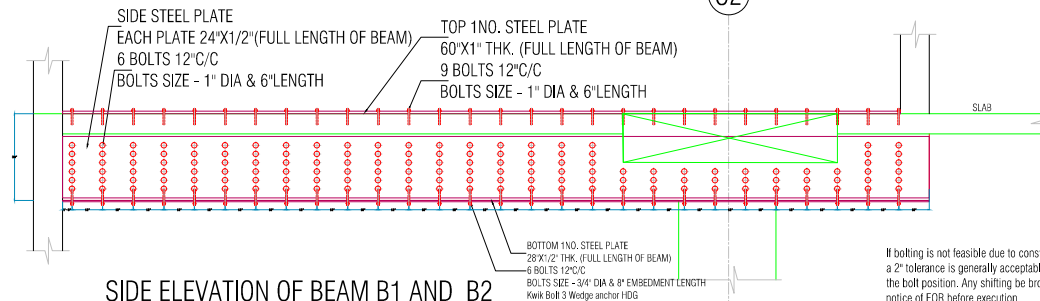




TOP PLATE DETAIL PLAN

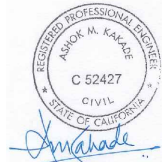


**DETAIL OF BEAM B1&B2
RC BEAM WITH TOP BOTTOM AND SIDE PLATES**



SIDE ELEVATION OF BEAM B1 AND B2

- For large concrete cracks in beams, 1/8" or greater use Sika Grout 328 or approved equivalent with 28 days minimum compressive strength of 5000psi .
- For fine/small concrete cracks smaller than 1/8" in slabs, use Sikadur 35 Hi-Mod LV epoxy injection resin of Sikadur 31 Hi-Mod or approved equivalents.
- Use EORs approval for applicability of repair material.
- For Sika products follow manufacturers specifications.



TOP 1NO. STEEL PLATE
60"x1" THK.(FULL LENGTH OF BEAM)
9 BOLTS 12"C/C
BOLTS SIZE - 3/4" DIA &
6 1/8" EMBEDMENT LENGTH
HILTI HSL4-SK (Countersunk)
OR APPROVED EQUIVALENT

SIDE STEEL PLATE
EACH PLATE 24"x3/4"
(FULL LENGTH OF BEAM)
6 BOLTS 12"C/C
BOLTS SIZE - 3/4" DIA & 8" EMBEDMENT LENGTH
BOTTOM 1NO. STEEL PLATE
28"x1/2" THK.(FULL LENGTH OF BEAM)
6 BOLTS 12"C/C
BOLTS SIZE - 3/4" DIA & 8" EMBEDMENT LENGTH
HILTI Kwik Bolt 3 Wedge anchor HDG

R1: HILTI countersunk bolt note updated

Date: 07/28/2026 SUBMITTAL SET

Project: Palisades at Tahoe (The Village)

Subject: Schematic of Beam Strengthening /SD1_R1

Drawing Size: Arch D Scale: NTS



Concrete Science, Inc.
INVESTIGATION | TESTING | ENGINEERING

1534 B St., Hayward, CA 94541

Tel: (510) 581 2342 Email: info@concretescience.com

If bolting is not feasible due to constraints;
a 2" tolerance is generally acceptable to shift
the bolt position. Any shifting be brought to
notice of EOR before execution.