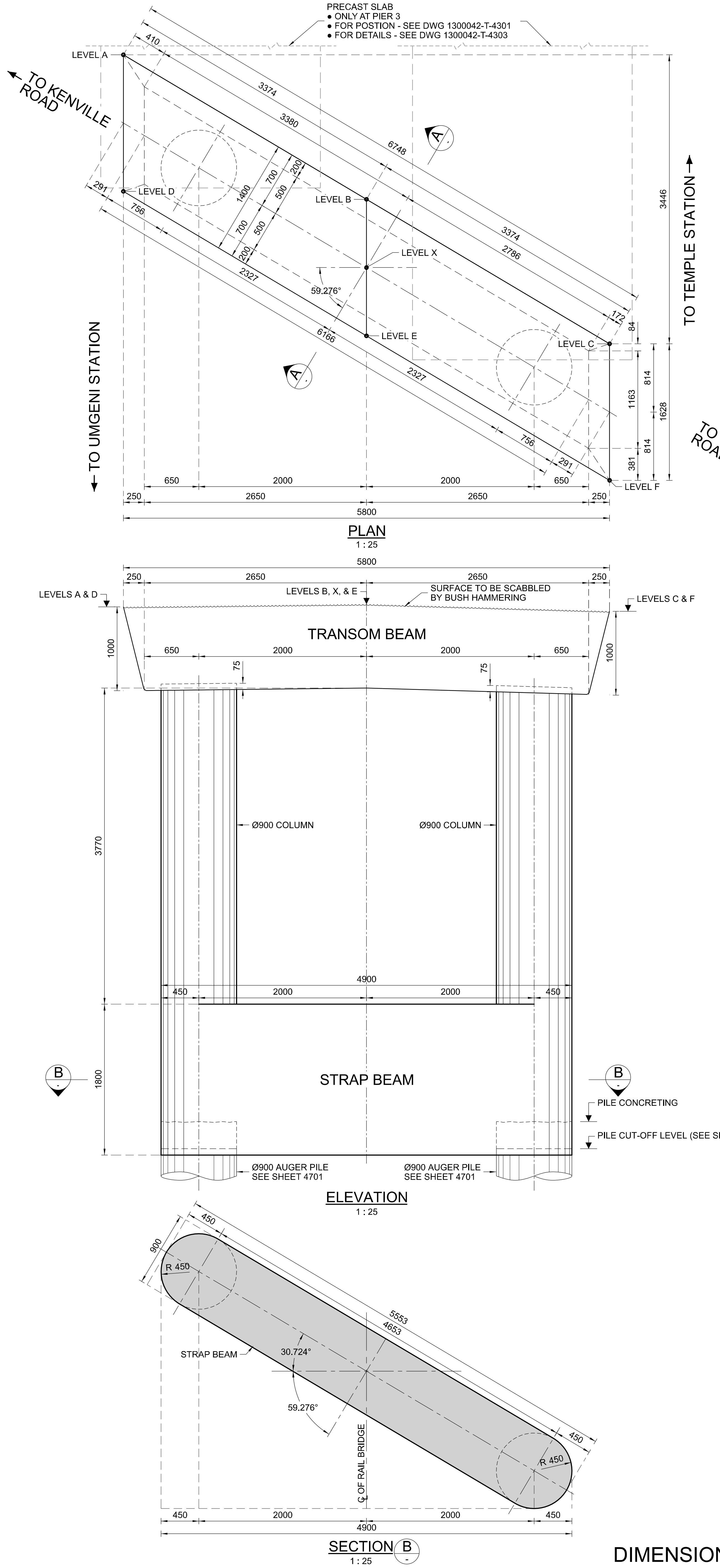
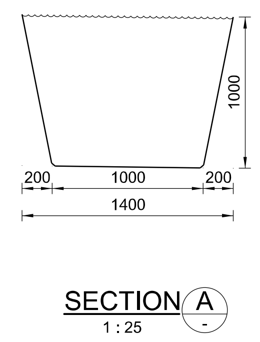


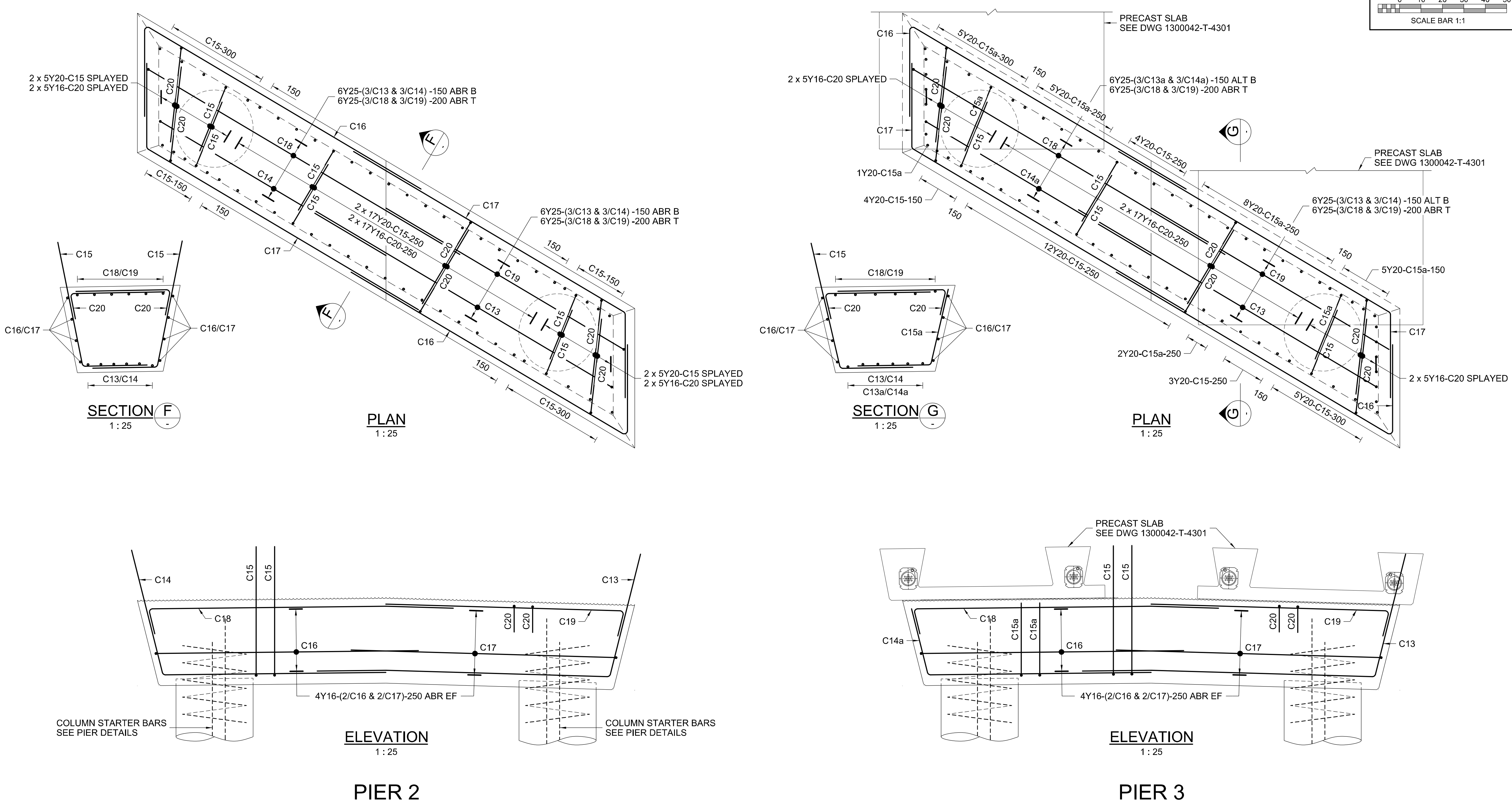


TRANSOM BEAMS LEVELS

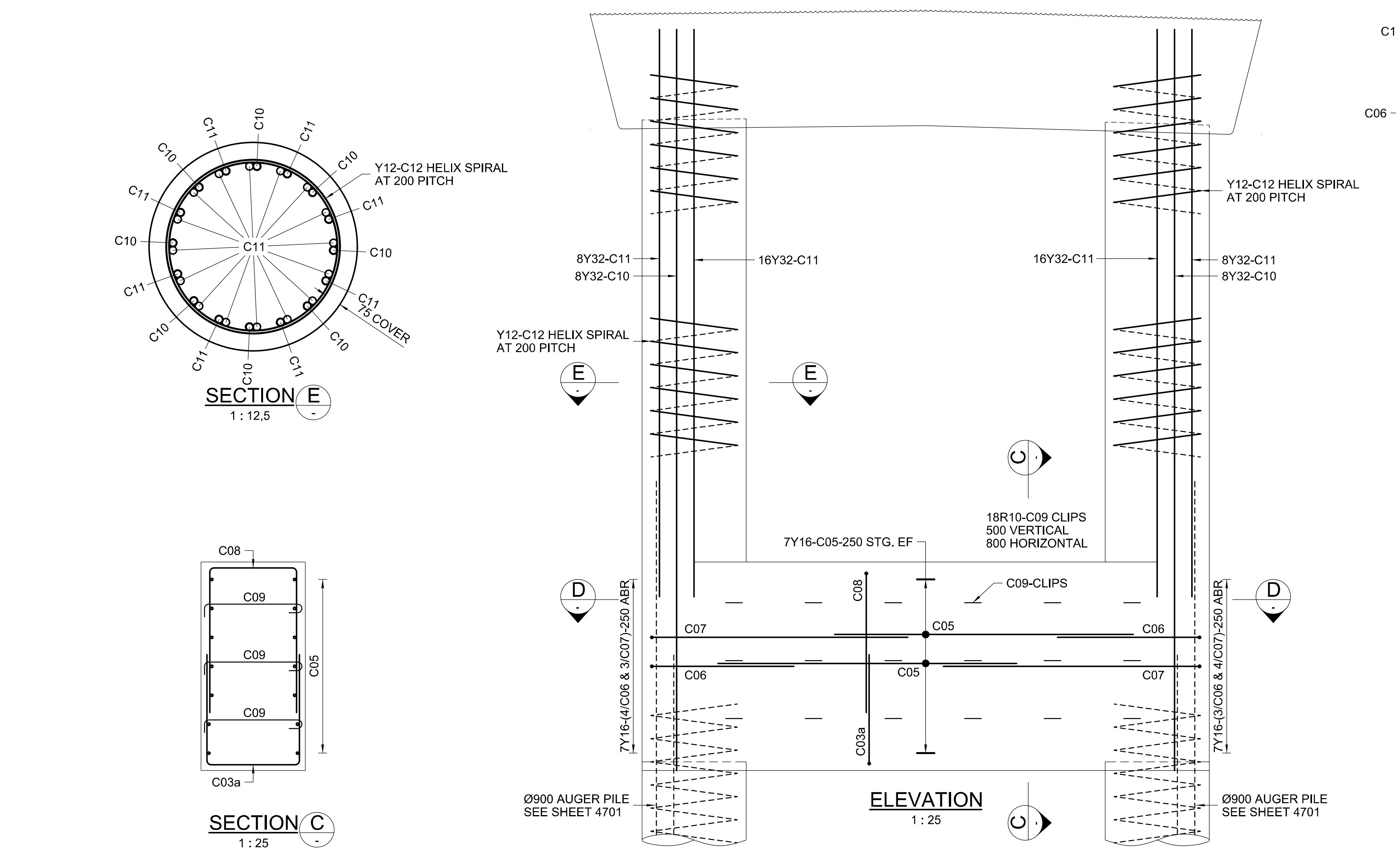
(TOP OF TRANSOM BEAM)

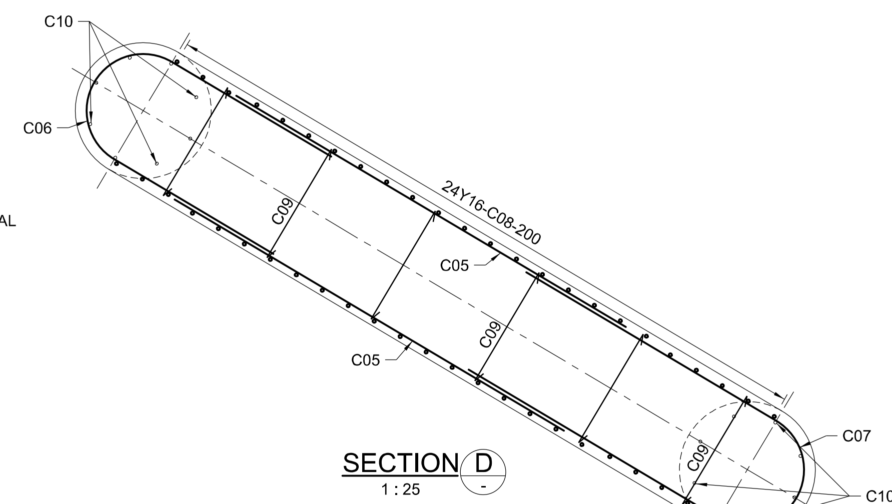
POSITION	LOCATIONS	
	PIER 2	PIER 3
X	11,830	11,597
A	11,810	11,577
B	11,842	11,609
C	11,748	11,551
D	11,786	11,553
E	11,818	11,586
F	11,760	11,527

DIMENSIONS



TRANSOM BEAM REINFORCEMENT





NOTES

1. CONCRETE CUBE STRENGTH AT 28 DAYS:
   - BLINDING LAYER 15 MPa/19mm
   - PIER 40 MPa/19mm
   - TRANSOM 40 MPa/19mm
2. CONCRETE COVER:
   - COLUMN 75mm
   - TRANSOM BEAM 50mm
   - UNLESS OTHERWISE STATED
3. ALL EXPOSED ARRISES TO HAVE 20mm x 20mm CHAMFERS UNLESS OTHERWISE STATED
4. BENDING DIMENSIONS MUST COMPLY WITH SANS 282:2011
   - R = MILD STEEL BARS (250 MPa) TO SANS 920:2011
   - Y = HIGH YIELD STEEL BARS (450 MPa) TO SANS 920:2011
5. LEGEND:
   - T = TOP
   - T1 = HIGHEST OF THE TOP LAYERS
   - T2 = SECOND HIGHEST OF THE TOP LAYER
   - B = BOTTOM
   - B1 = LOWEST OF THE BOTTOM LAYERS
   - B2 = SECOND LOWEST OF THE BOTTOM LAYERS
   - ABR = ALTERNATE BARS REVERSED
   - EF = EACH FACE
   - STG = STAGGERED BARS
   - ALT = ALTERNATE

PIER REINFORCEMENT

REVISIONS

REV	DESCRIPTION	DATE	REV BY	CHKD
C	PIER RE-DESIGNED	03/08/2021	LAV	HdW
B	ISSUED FOR APPROVAL	08/12/2020	LAV	HdW
A	ISSUED FOR COMMENT	21/02/2019	LAV	HdW

REFERENCE DRAWINGS

DRG. No.	DRAWING TITLE
.	.

RCE Consultants
Railway & Civil Engineering
110 Sovereign Drive
Route 21 Corporate Park
Irene
0062
tel : +27 (12) 450 0040
fax : +27 (12) 450 0060

APPROVED BY DESIGN ENGINEER: MJ la GRANGE
SIGNATURE:
DATE: XX/05/2021 Prof. Reg. No: 20160548

APPROVED BY CHECKING ENGINEER: H de WET
SIGNATURE:
DATE: XX/05/2021 Prof. Reg. No: 720570

DRAWN BY: LA VENTER DATE: XX/05/2021

CONSULTANT/SUB CONSULTANT: NAIDU CONSULTING

PROJECT: GO! durban

CLIENT: ETHEKWINI METROPOLITAN MUNICIPALITY

PROJECT TITLE: ETHEKWINI TRANSPORT AUTHORITY
BUS RAPID TRANSPORT NETWORK (BRT) PHASE 1: ROUTE C1A

DISCIPLINE: T

DRAWING DESCRIPTION: SECTION 3 - INANDA ROAD
TFR LINE 1 : PIERS 2 AND 3 - DETAILS

PHASE: T

AS BUILT PLAN (Full signature)
CLIENT .... DATE ....
ENGINEER .... DATE ....

SCALE: 1:25
SHEET: 1 OF 1
CONTRACT No.
PROJECT No.: 1300042
DRAWING No.: 1300042-T-4205
REV: C

Paper Size : 594x420 (mm) Format : A2
Date & Time : 2021-08-26 10:48:00 AM

X:\RCE PROJECTS\RCE 609 - Realignment of Inanda Arterial\Drawings\01 - Issued for Approval 2021-05-21\02_Substructure\1300042-T-4205 - Bridge 1 - Piers 2 and 3 - Details.dgn : Folder Path
lourensv : User