

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET NO.
IL R.T. 255	*	MADISON	149	105
SHEET NO. 38				
45 SHEETS				

Contract #76634
* 60-15VB-1 & 2

Local Tangent to
FAP 310 at
Sta. 39+157.480

Notes:
Work this sheet with sheet #39 of 45.
Space reinforcement in cap to miss anchor bolts.
Pour steps monolithically with cap.
All edges shall have standard 20 mm chamfer
except as noted.
Minimum Spiral lap = 800 mm.
Spiral Laps not included in Bill of Materials.
Cost of Spiral Laps and #15 spacers shall be
included in cost of "Reinforcement Bars,
Epoxy Coated".
See sheet #39 of 45 for bar details.
See sheet #39 of 45 for Sections A-A.
See sheet #39 of 45 for Sections B-B.
See sheet #40 of 45 for pile details.
Pier protection crash wall design complies with
the requirements of AREMA Chapter 8, Part 2,
Section 2.15.1.

MIN. BAR LAPS

- #15 bars = 890
- #20 bars = 1.11 m
- #25 bars = 1.85 m
- #30 bars = 2.59 m

PILE DATA

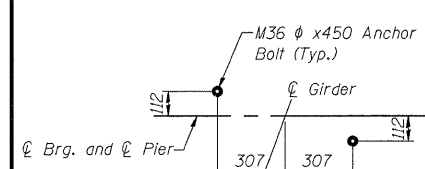
Type & Size: Metal Shell - 356 mm φ x
6.35 mm walls
Nominal Required Bearing: 1500 kN
Allowable Resistance Available: 500 kN
Est. Length: 16.5 m
No. Required: 48

Spirals:
① Provide 1/2 extra turns top and
bottom. Extend spiral 50 mm into
pier cap. Provide 4-#15 spacers
or equivalent.

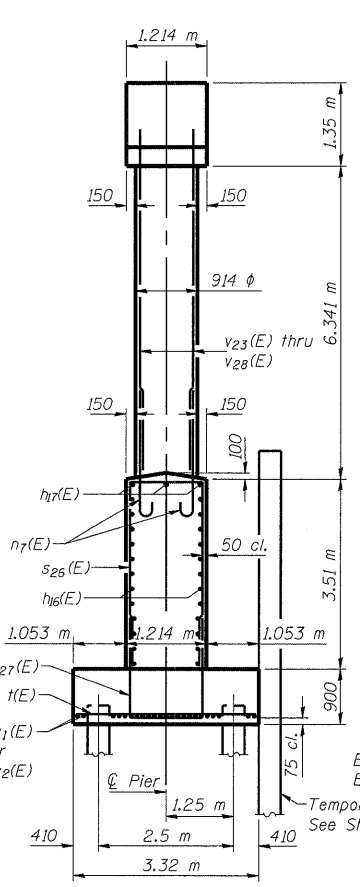
Local Tangent to
FAP 310 at
Sta. 39+157.480

PIER #2
FAP RTE. 310 (IL RTE. 255) SB & RAMP D OVER
UNION PACIFIC & KANSAS CITY SOUTHERN R.R.
SECTION 60-15VB-1 & 2
MADISON COUNTY
STATION 39+160.297
STRUCTURE NUMBER 060-0311

Klingner & Assoc., P.C.



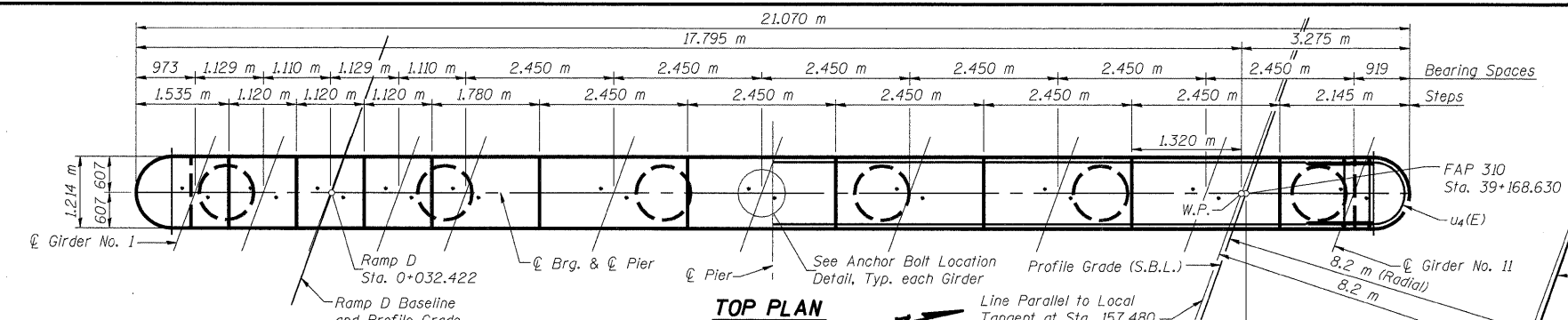
ANCHOR BOLT LOCATION DETAIL



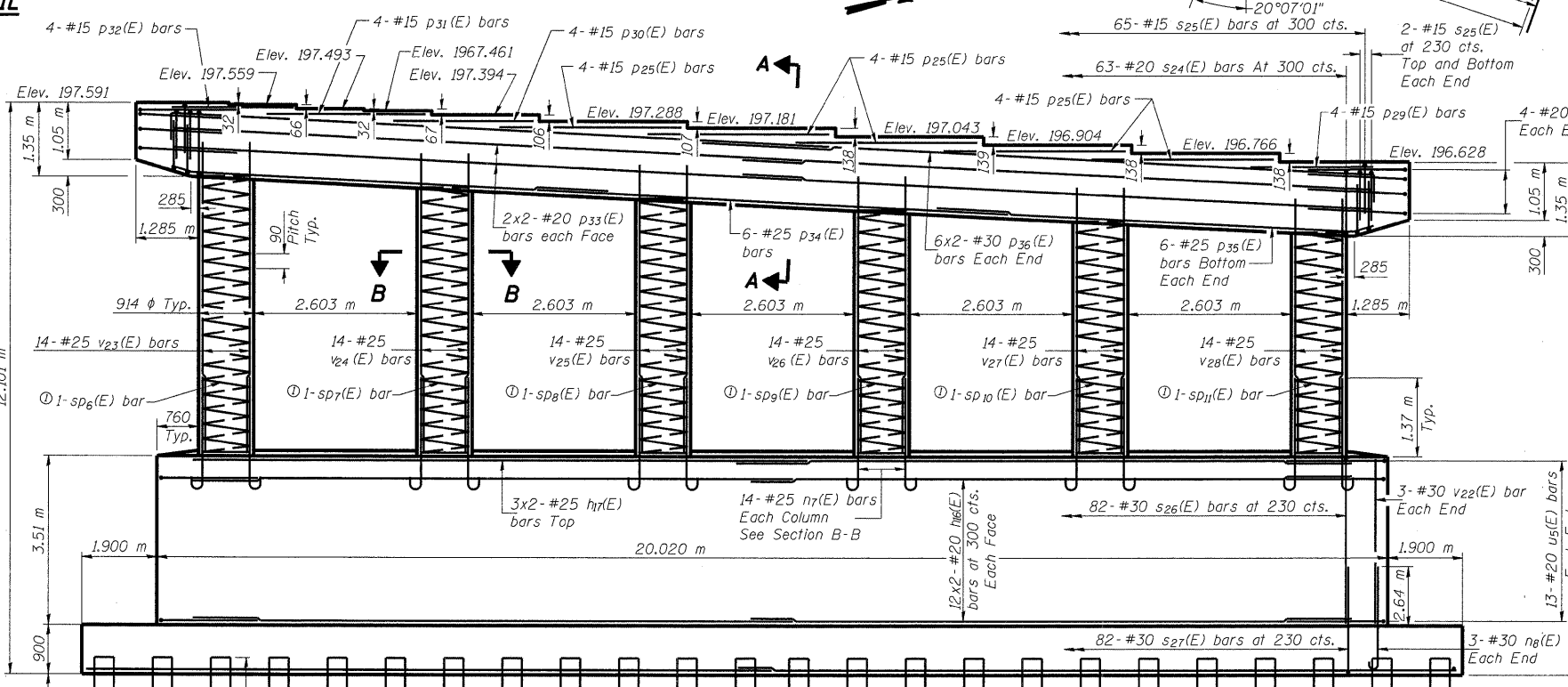
END VIEW

*1/2" P.J.F. between Temporary
Sheet Piling and footings.
After Temporary Sheet Piling is
removed dispose of 1/2" P.J.F.
Cost included with Concrete Structures.

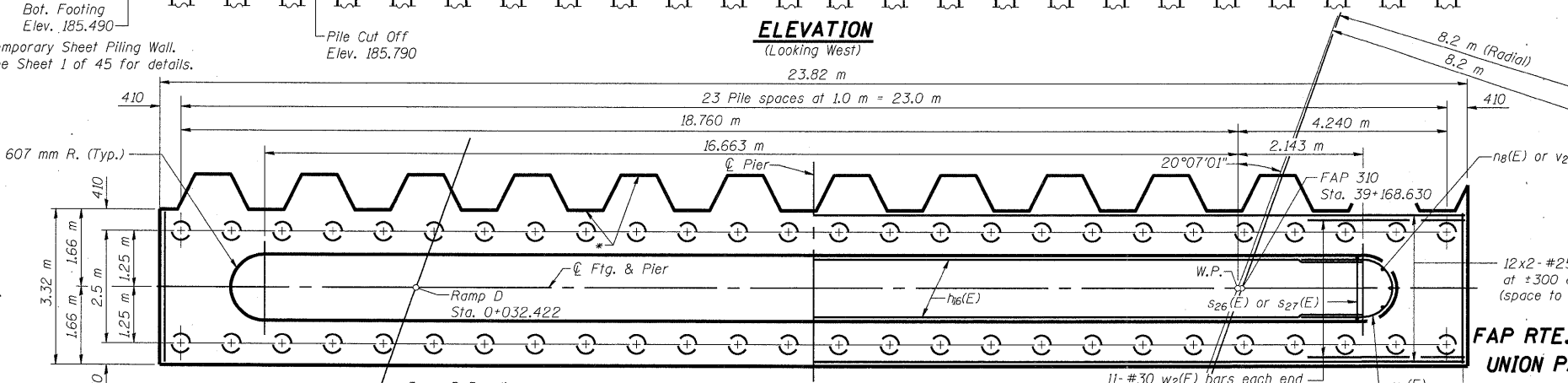
DESIGNED	ADL
CHECKED	WLW
DRAWN	RJP
CHECKED	WLW



TOP PLAN



ELEVATION
(Looking West)



FOOTING PLAN

Line Parallel to Local
Tangent at Sta. 157.480