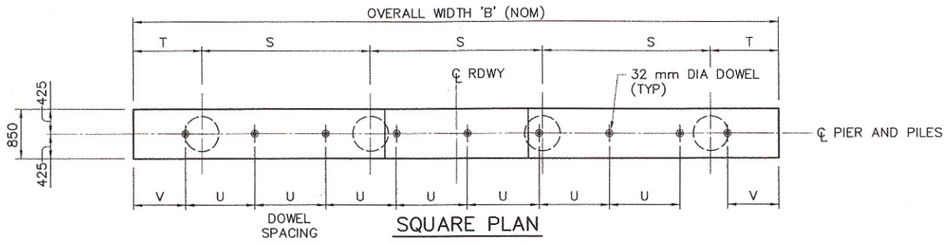
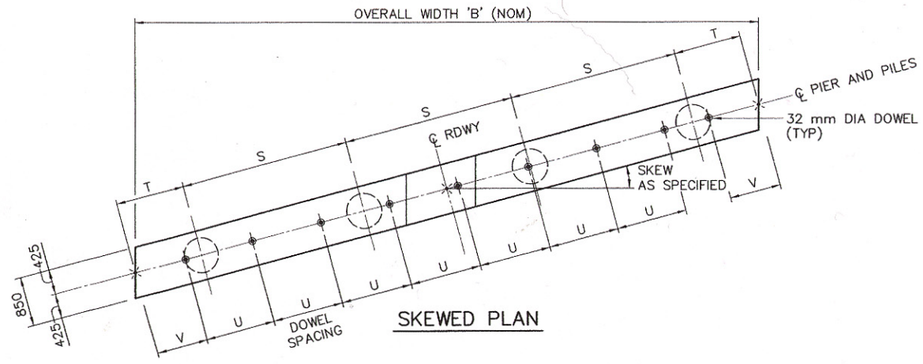
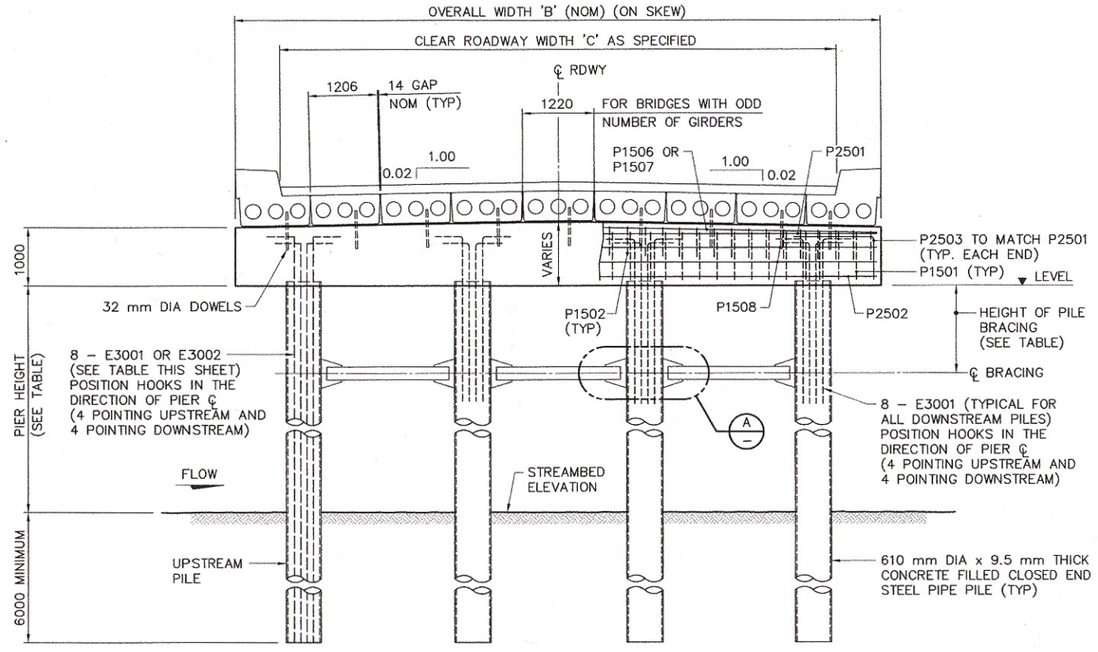


SQUARE PLAN



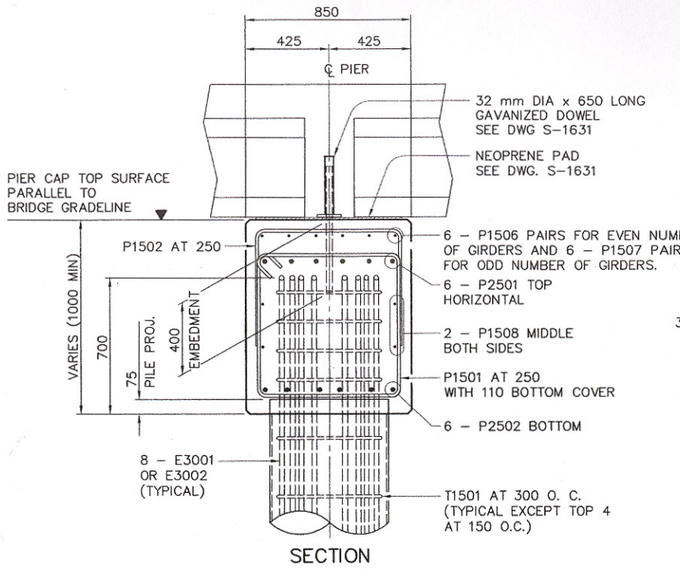
SKEWED PLAN



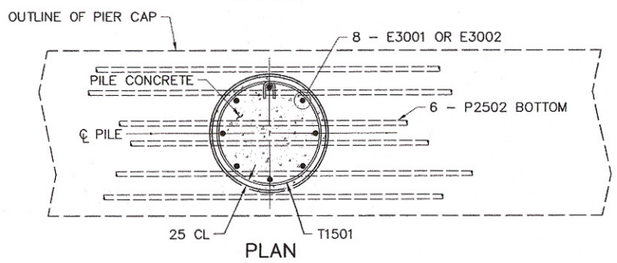
ELEVATION
(ON SQUARE)

NOTE:
FOR PIER VERTICAL DIMENSIONING DETAIL, SEE DWG S–1696–05.

PIERS
1:50

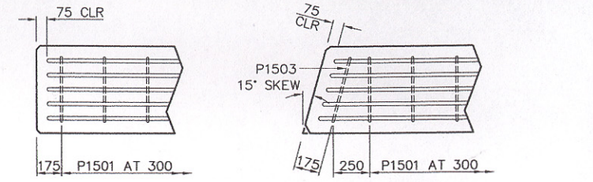


SECTION



PLAN

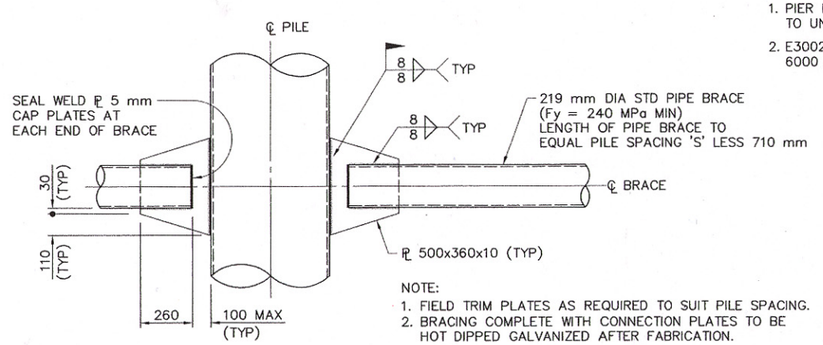
TYPICAL PIER CAP SECTION
1:15



PIER END REINFORCING LAYOUT
(FOR SQUARE AND SKEW BRIDGES) NTS

PIER PILE BRACING AND PILE REINFORCING TABLE		
PIER HEIGHT	HEIGHT OF PILE BRACING	UPSTREAM PILE VERTICAL REINFORCEMENT
UP TO 2.0 m	NONE REQUIRED	8 – E3001
> 2.0 m TO 3.0 m	NONE REQUIRED	8 – E3002
> 3.0 m TO 4.0 m	2.5 m	8 – E3001
> 4.0 m TO 5.0 m	3.0 m	8 – E3001
> 5.0 m TO 6.0 m	4.0 m	8 – E3002

NOTES:
1. PIER HEIGHT IS MEASURED FROM STREAMBED TO UNDERSIDE OF PIER PILE CAP.
2. E3002 COMPLETE WITH T1501 TIES TO EXTEND 6000 mm BELOW STREAMBED.



NOTE:
1. FIELD TRIM PLATES AS REQUIRED TO SUIT PILE SPACING.
2. BRACING COMPLETE WITH CONNECTION PLATES TO BE HOT DIPPED GALVANIZED AFTER FABRICATION.

A PIER PILE BRACING DETAIL
1:15

SUPERSEDED BY
S-1698-05, REVISION 1

UMA | AECOM

PERMIT TO PRACTICE
UMA ENGINEERING LTD.
Signature
Date August 9, 2005
PERMIT NUMBER: P329
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

DESIGNER
PROFESSIONAL ENGINEER ALBERTA
A. WAYNE STEWART
DATE AUG. 9, 2005

CHECKER
PROFESSIONAL ENGINEER ALBERTA
ROBERT JOHN RANKIN
DATE August 9, 2005

REV	DATE	REVISIONS	BY
6			
5			
4			
3			
2			
1			

RECOMMENDED
DIRECTOR BRIDGE ENGINEERING
Tom Loo

APPROVED
EXECUTIVE DIRECTOR
TECHNICAL STANDARDS BRANCH
DATE August 16, 2005

Alberta INFRASTRUCTURE AND TRANSPORTATION

SCC PRECAST GIRDER BRIDGES WITH CAST–IN–PLACE CONCRETE SUBSTRUCTURES – SHT 3

DEPARTMENT BAR CODE	DATE	SHEET	DRAWING
.	2005–08–09	3 OF 4	S–1698–05