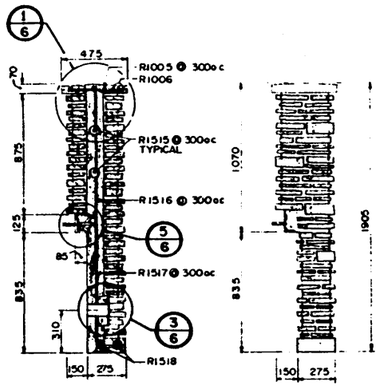
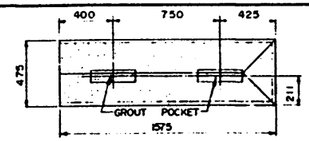
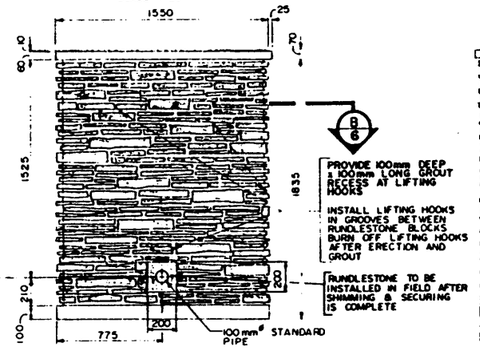


A/6 SECTION
SCALE 1:20

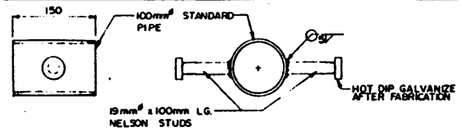
ELEVATION
SCALE 1:20



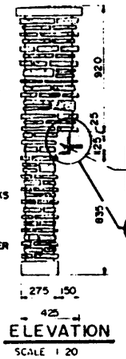
PLAN
SCALE 1:20



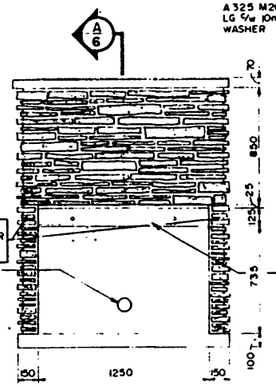
ELEVATION
SCALE 1:20



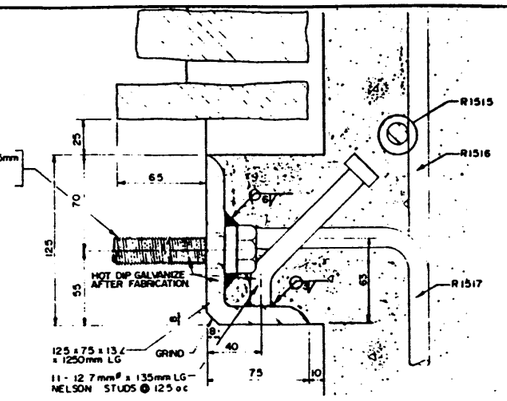
4/6 DETAIL
SCALE 1:5



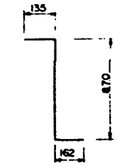
ELEVATION
SCALE 1:20



ELEVATION
SCALE 1:20



5/6 DETAIL
SCALE 1:2



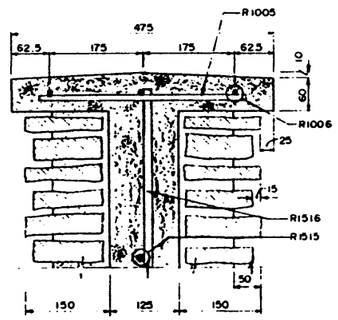
TYPE "A"

BAR TYPES (ALL BAR DIMENSIONS ARE OUT TO OUT)
NTS

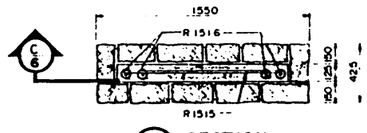
BAR LIST: 4 PRECAST WINGWALL PANELS

MARK	SIZE	No.	TYPE	X	Y	LENGTH	WEIGHT
R1005	10M	24	STR			375	7
R1006	10M	12	STR			1400	13
R1515	15M	20	STR			1150	36
R1516	15M	24	STR			1420	54
R1517	15M	24	"A"			1167	44
R1518	15M	8	STR			1406	18

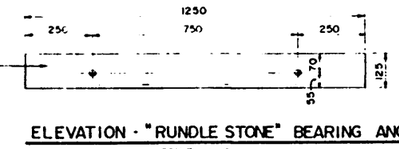
TOTAL = 172 kg



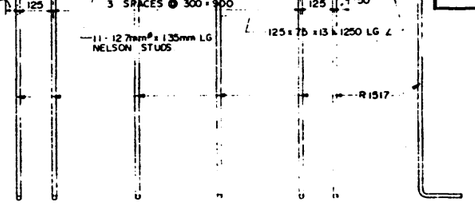
1/6 DETAIL
SCALE 1:5



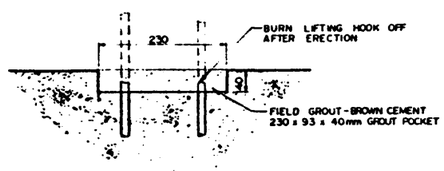
B/6 SECTION
SCALE 1:20



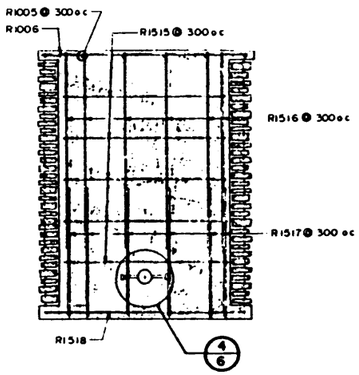
ELEVATION - "RUNDLE STONE" BEARING ANGLE
SCALE 1:10



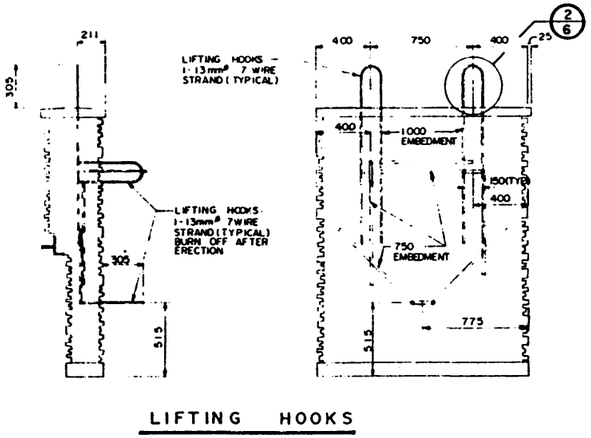
ELEVATION - "RUNDLESTONE" BEARING ANGLE
SCALE 1:10



2/6 DETAIL - GROUT POCKET
SCALE - 1:5



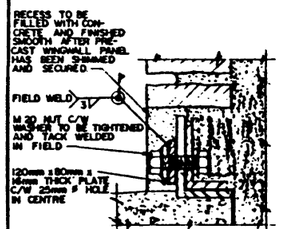
C/6 SECTION
SCALE 1:20



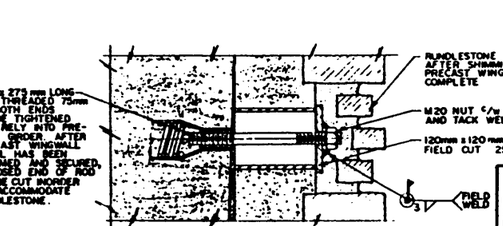
LIFTING HOOKS
SCALE 1:20

SUGGESTED ERECTION PROCEDURE FOR PRECAST WINGWALL PANEL

1) ERECT PILE CAP.
2) PLACE BEARINGS AND ERECT GIRDERS.
3) ERECT PRECAST WINGWALL PANELS ON SEAT ANGLE POSITION WITH SHIMS AND SECURE BOLTS. PANELS TO BE ERECTED PERPENDICULAR TO GIRDER SURFACE.
4) REMOVE LIFTING HOOKS FROM PRECAST PANEL AND PLACE RUNDLESTONE AND GROUT.



6/6 DETAIL - ERECTION
SCALE: 1:5
NOTE: ALL PARTS TO BE GALVANIZED



3/6 DETAIL - ERECTION
SCALE: 1:5
NOTE: ALL PARTS TO BE GALVANIZED

GENERAL NOTES:

- ALL REINFORCING STEEL SHALL HAVE 50mm CLEAR COVER UNLESS OTHERWISE NOTED.
- ALL EXPOSED CORNERS TO HAVE 20mm CHAMFER OR FILLET UNLESS OTHERWISE NOTED.
- "RUNDLESTONE" ON EXTERIOR FACE OF PANEL WILL BE OFFSET UP TO 15mm TO GIVE A VARIED SURFACE. MAXIMUM THICKNESS OF PANEL IS 425mm.
- REINFORCING BARS MAY BE SHIFTED WHERE REQUIRED TO CLEAR "RUNDLESTONE" AS APPROVED BY THE ENGINEER. DEPTH OF REINFORCING BARS MAY NOT VARY.
- ALL REINFORCING STEEL TO BE C.S.A. G30.12M - 400.
- ALL CONCRETE AND GROUT TO BE BROWN CEMENT.
- 28 DAY CONCRETE STRENGTH 25 MPa.
- GALVANIZING ACCORDING TO ASTM 123 OR 153.

METRIC

THE ASSOCIATION OF PROFESSIONAL ENGINEERS OF ALBERTA
PERMIT NUMBER P220
BOLTER PARISH TRIMBLE LTD.

NO.	DATE	DESCRIPTION	BY

REVISIONS

Bolter Parish Trimble Ltd.
CONSULTING ENGINEERS

DATE	DPT DWG.	DWN. BY	LOCATION
APRIL, 1981	109-6-39	DKH	
		DES'D. BY	HWY.
		R.E.B.	

PROFESSIONAL ENGINEERS IN PRACTICE PROVINCE OF ALBERTA

ALBERTA TRANSPORTATION
BRIDGE AND STRUCTURAL ENGINEERING BRANCH

KANANASKIS COUNTRY BRIDGES

PRECAST WINGWALL PANEL - STANDARD BRIDGES

SHT. No. OF
FILE No.
HWY. STA.
DWG. No. S-1451