

Pavilions



On June 22nd, 1996 the first Trans Canada Trail Pavillion was officially opened in the village of Caledon East, just north of Toronto, Ontario. On April 22nd, 1997 the second Pavillion was officially opened in Calgary, Alberta. A third Pavillion is scheduled for opening on August 4th in Fredericton, New Brunswick.

Each Pavillion contains 27 coriam panels on which the names and messages of donors and supporters are proudly displayed. Each Pavillion will contain approximately 12,000 names. These names are laser-etched into the panels, where they will remain forever.

Design and Construction

The Trans Canada Trail Foundation wishes to salute its architect, W. G. Milne of Calgary, Alberta, for providing the design and construction parameters of the Trans Canada Trail Pavillion and the Trans Canada Trail Foundation Inter-Provincial Gateway.

Mr. Bill Milne's Pavillion design responds to a number of aesthetic and construction issues. The Pavillion is :

- easy** to recognize and aesthetically comfortable in any setting,
- offers** an open and attractive access and accommodates a number of names and message panels that are easy to see and read,
- simple** and economical to construct using compatible materials readily available anywhere in Canada,
- easy** to maintain, vandal-proof,
- has** a stable stress factor that stands up to high winds, rough weather and heavy snow loads.

These Pavillions will be constructed at various intervals along the route of the Trans Canada Trail. They will forever enshrine the names and messages of donors and supporters and stand as testimony to the generosity and passion of Canadians from coast to coast to coast.



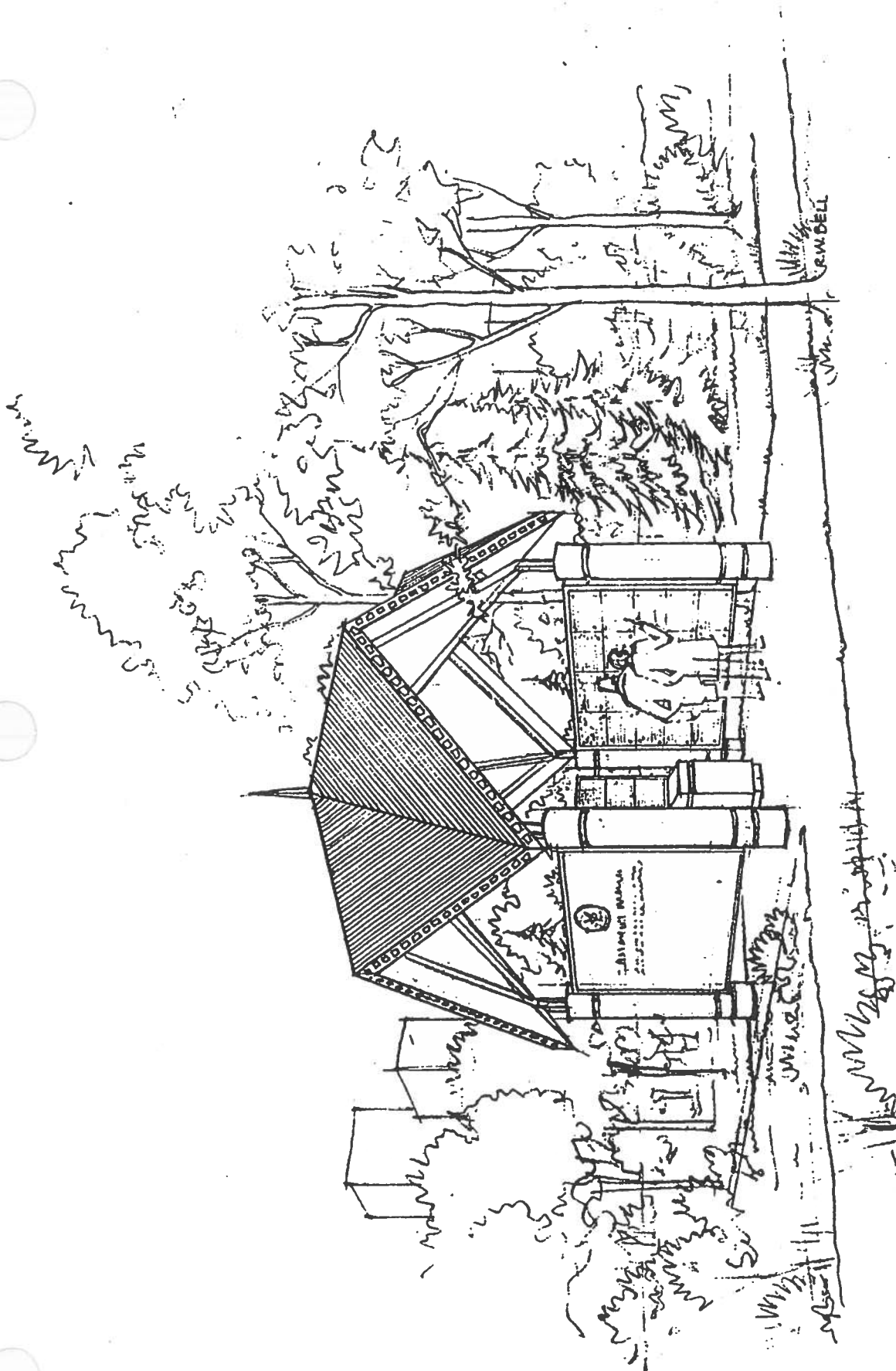
Trans Canada Trail Pavillion in Calgary, Alberta.
Officially opened on April 22, 1997.



Trans Canada Trail Pavillion in Caledon, Ontario.
Officially opened on June 22, 1996.

About the Pavilions | [Gateways](#) | [Panels](#)

[Home](#) | [Trail](#) | [Metre Sales](#) | [Sponsors](#) | [Provinces](#) | [Pavilions](#) | [Merchandise](#) | [News](#)



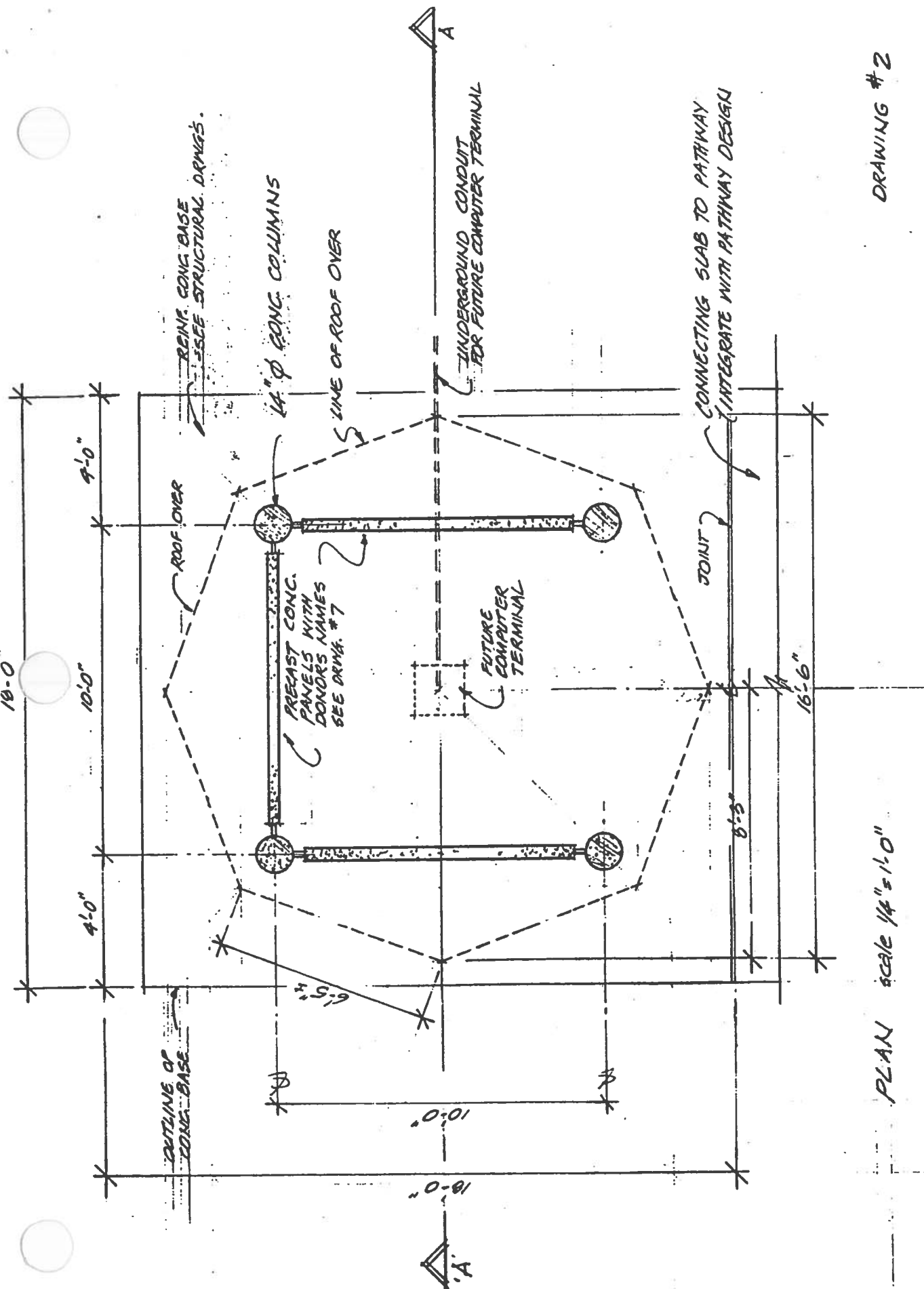
THE MARKER PAVILION

PERSPECTIVE SKETCH

DRAWING # 1.

THE MARKER PAVILION
FOR THE TRANS CANADA TRAIL

SEPT 15th 1995
W.G. MILNE ARCHITECT LTD.

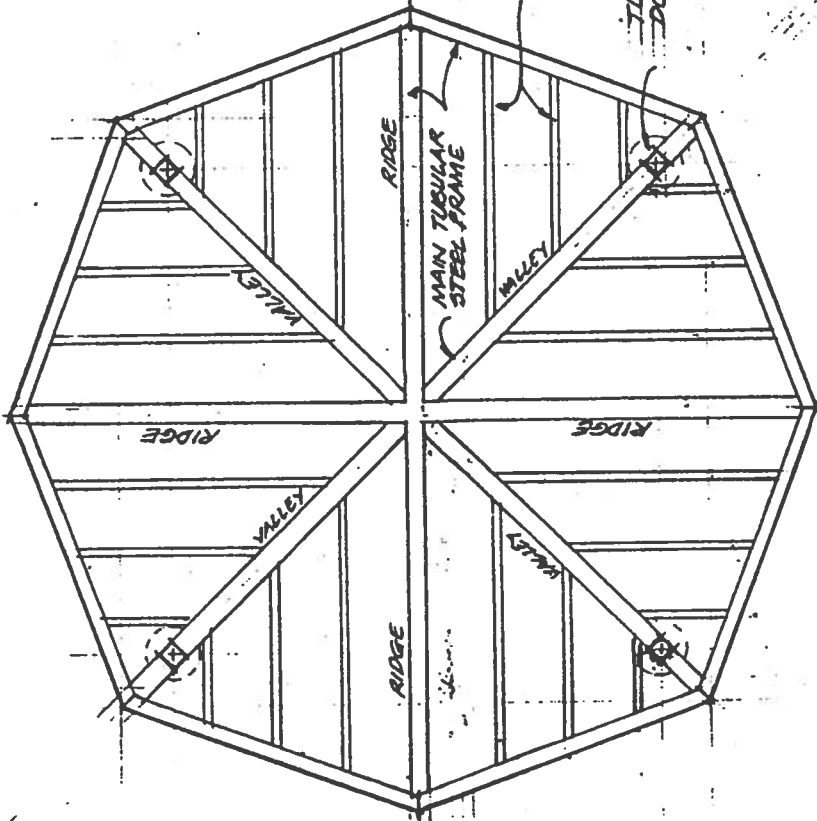


DRAWING # 2

PLAN scale 1/4" = 1'-0"

THE MARKER PAVILION
FOR THE TRANS CANADA TRAIL

SEPT. 15th 1995
W.G. MILNE ARCHITECT LTD.



NOTE!
SEE STRUCTURAL DRAWINGS
FOR SIZES & DETAILS

DRAWING #3

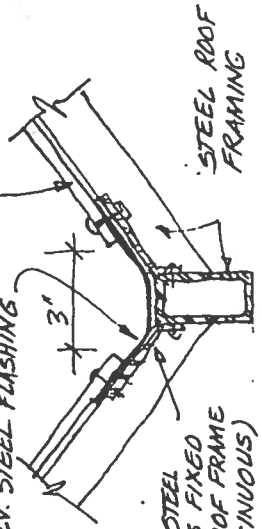
REFLECTED CEILING PLAN 3006 1/4" = 1'-0"

THE MARKER PAVILION
FOR THE TRANS CANADA TRAIL

SEPT 15th 1995
W.G. MILNE ARCHITECT LTD.

PREPAINISH CORRUAT STEEL ROOFING

PREFINISHED GALV. STEEL FLASHING

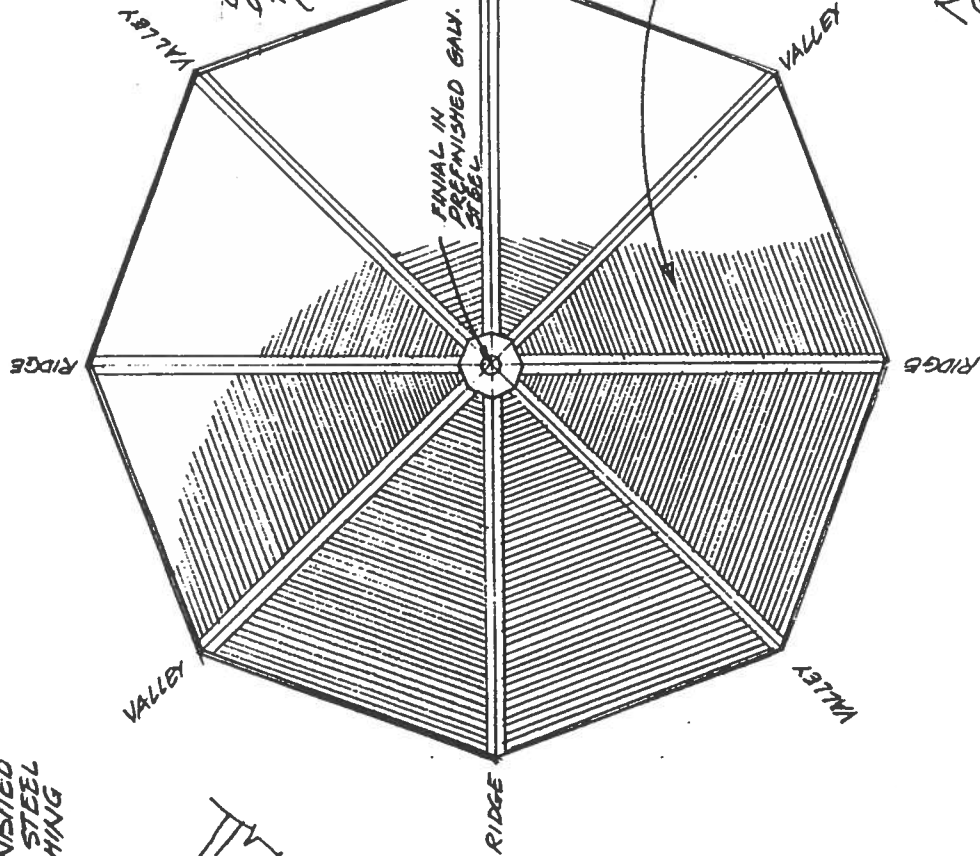


GALV. STEEL CLEATS FIXED TO ROOF FRAME (CONTINUOUS)

STEEL ROOF FRAMING

TYPICAL VALLEY DETAIL

26 GA. 7/8" CORRUGATED PREPAINTED GALVANIZED (RED) STEEL ROOFING EQUAL TO "VIC WEST STEEL" ROOFER TO SUPPLY SHOP DRAWINGS. RIDGES & VALLEYS TO MATCH IN PREPAINTED GALVANIZED STEEL



NOTE!

ROOFING CONTRACTOR TO SUPPLY SHOP DRAWINGS & FIXING DETAILS

NOTE!

REVISION 1/2" CHANGED TO 7/8" OCT. 24/95

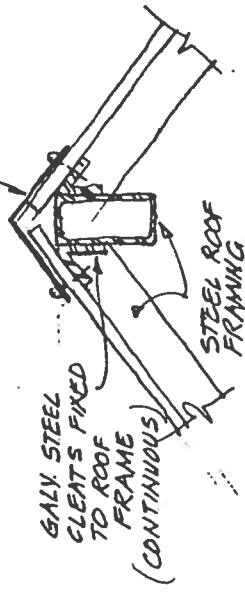
DRAWING # 4

ROOF PLAN scale 1/4" = 1'-0"

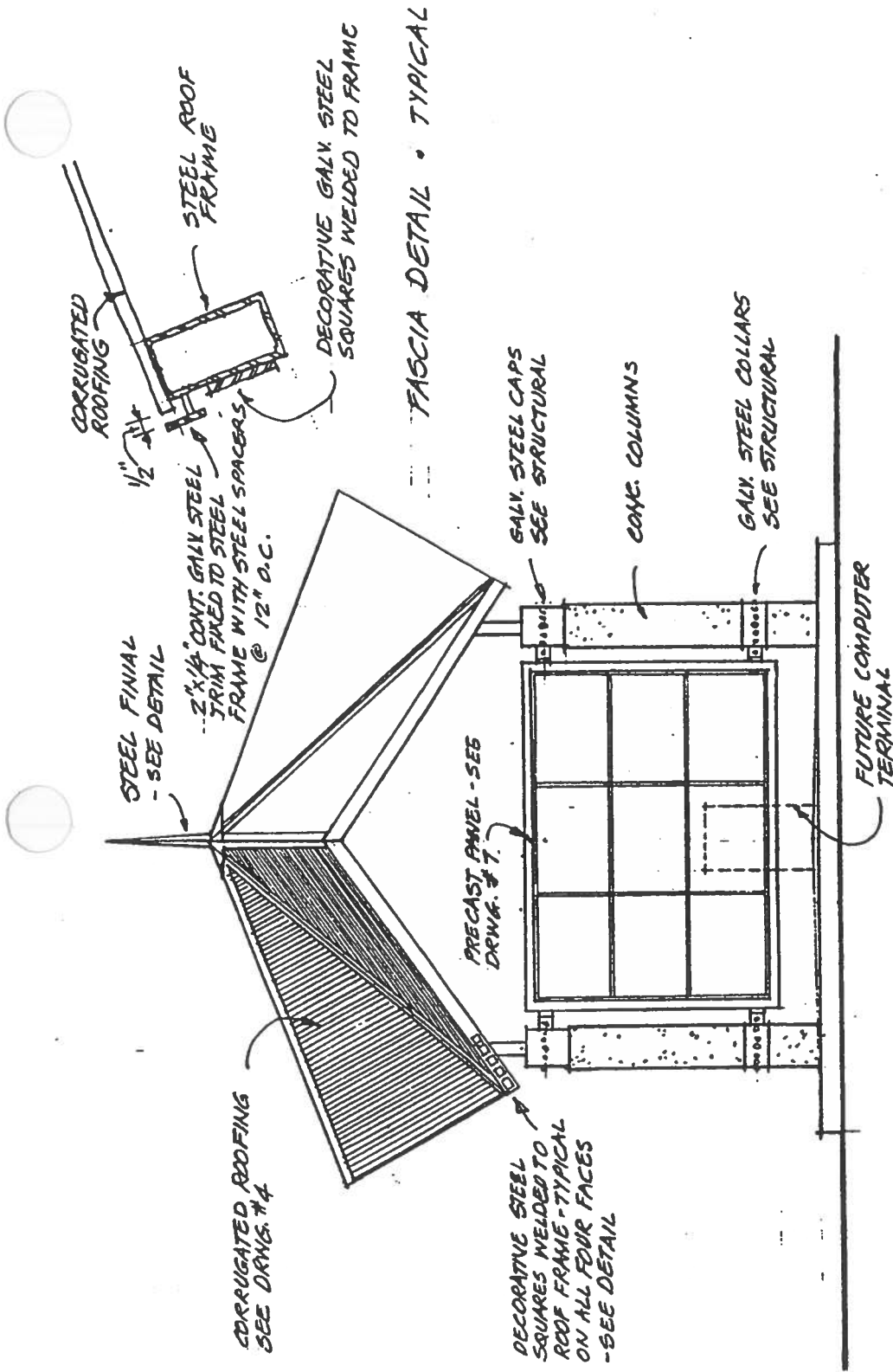
THE MARKER PAVILION FOR THE TRAILS CANADA TRAIL

SEPT. 15th 1995 W.G. MILNE ARCHITECT LTD.

PREFINISHED GALV. STEEL FLASHING



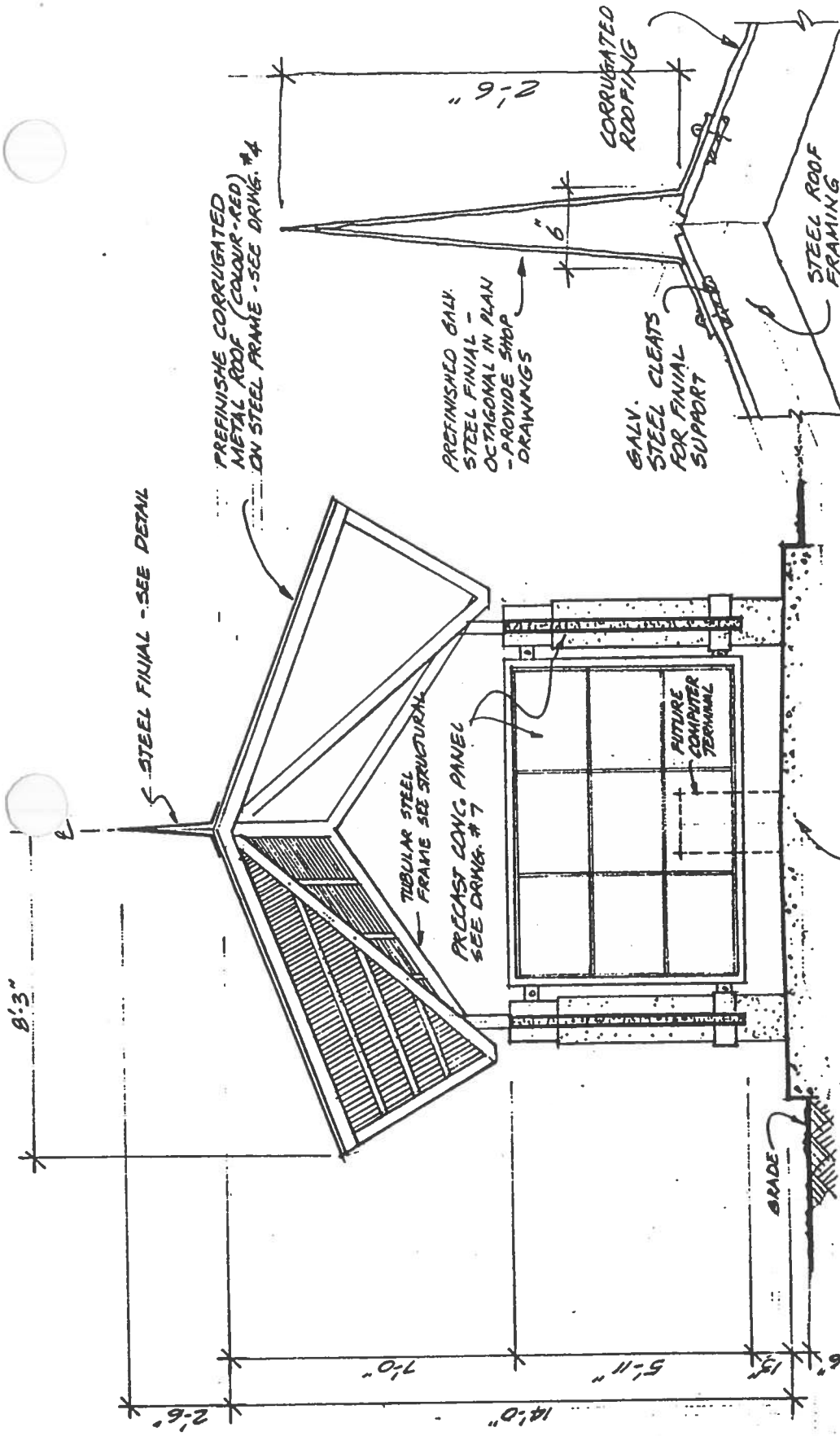
TYPICAL RIDGE DETAIL



FRONT ELEVATION scale 1/4" = 1'-0" (OTHER THREE ELEVATIONS SIMILAR) DRAWING #5

THE MARKER PAVILION
FOR THE TRANS CANADA TRAIL

SEPT. 15TH 1995
W.G. MILNE ARCHITECT LTD.



FINIAL DETAIL scale 1"=1'-0"

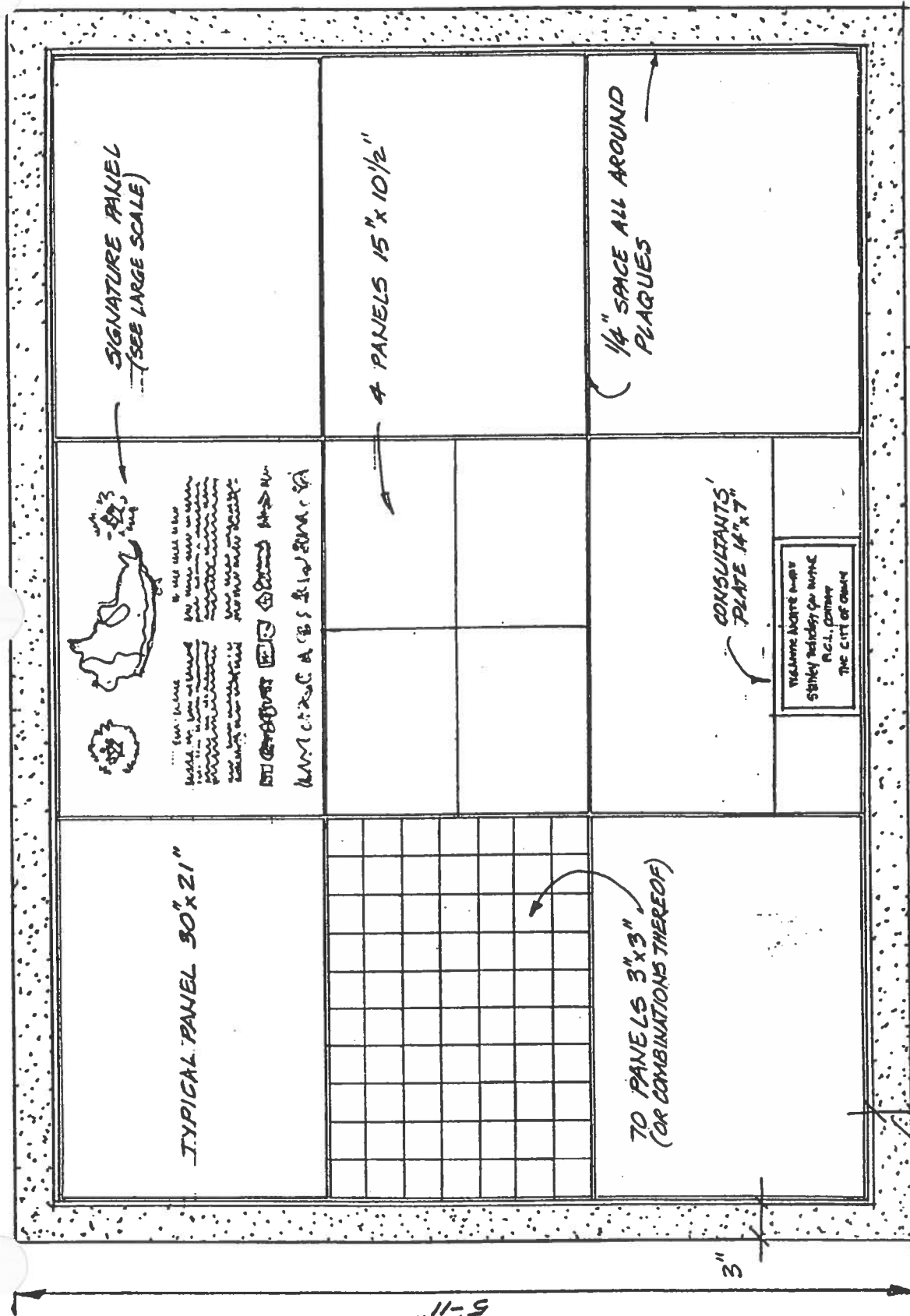
SECTION 'A-A' scale 1/4"=1'-0"

DRAWING # 6

THE MARKER PAVILION
FOR THE TRANS CANADA TRAIL

SEPT. 15th 1995
N.G. MILNE ARCHITECT LTD.

B-2



NOTE: ALL NAME PANELS SUPPLIED BY OWNER AND
 FIXED TO PRECAST PANELS BY CONTRACTOR

ELEVATION INTERIOR OF PRECAST WALL FACING ENTRANCE
 SHOWING PLAQUE LAYOUT • SIDE WALLS SIMILAR

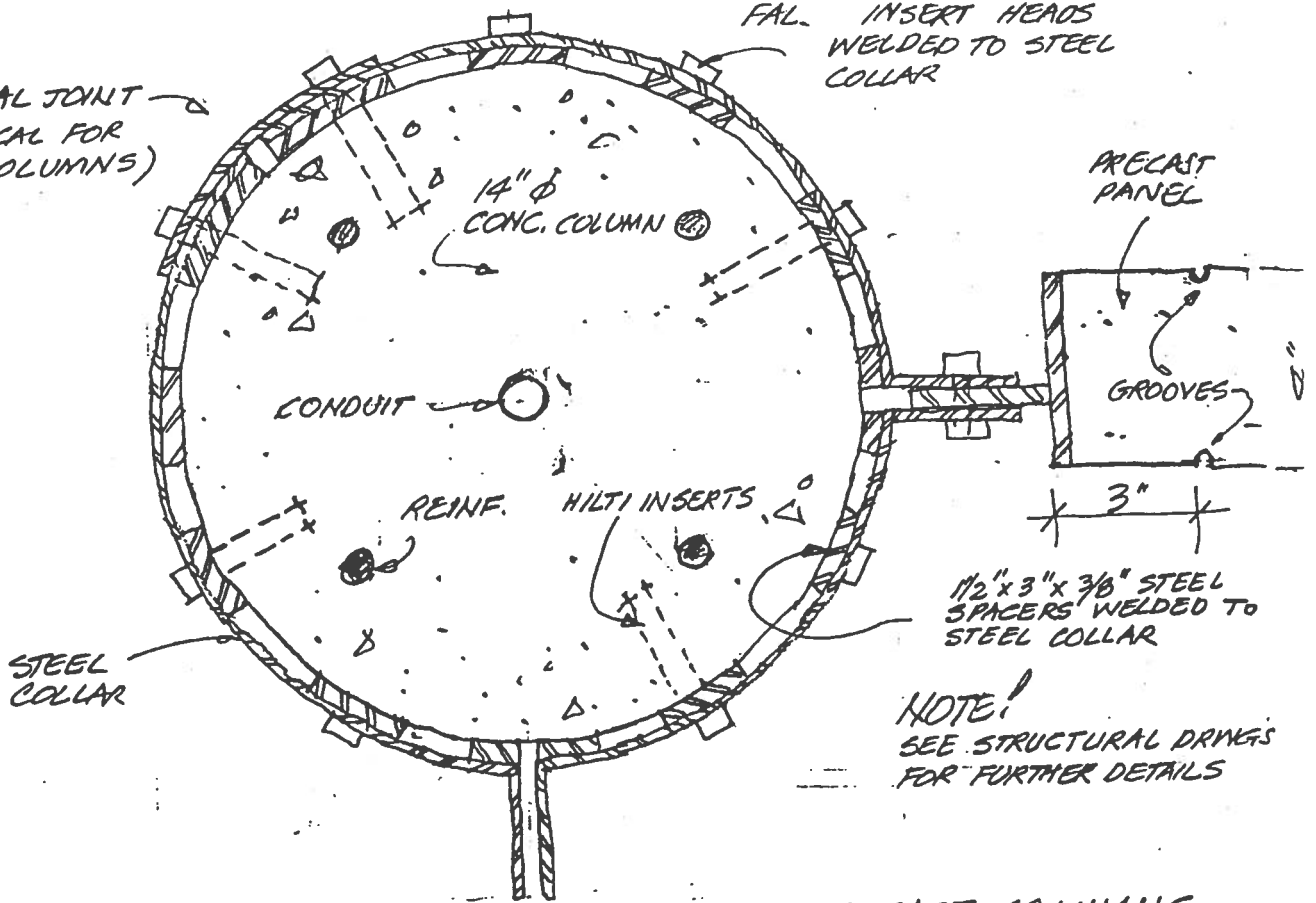
SCALE: 1" = 1'-0"

DRAWING #7

TRANS CANADA TRAIL • MARKER PAVILION SEPT 15th 1995 W.G. MILNE ARCHITECT. LTD

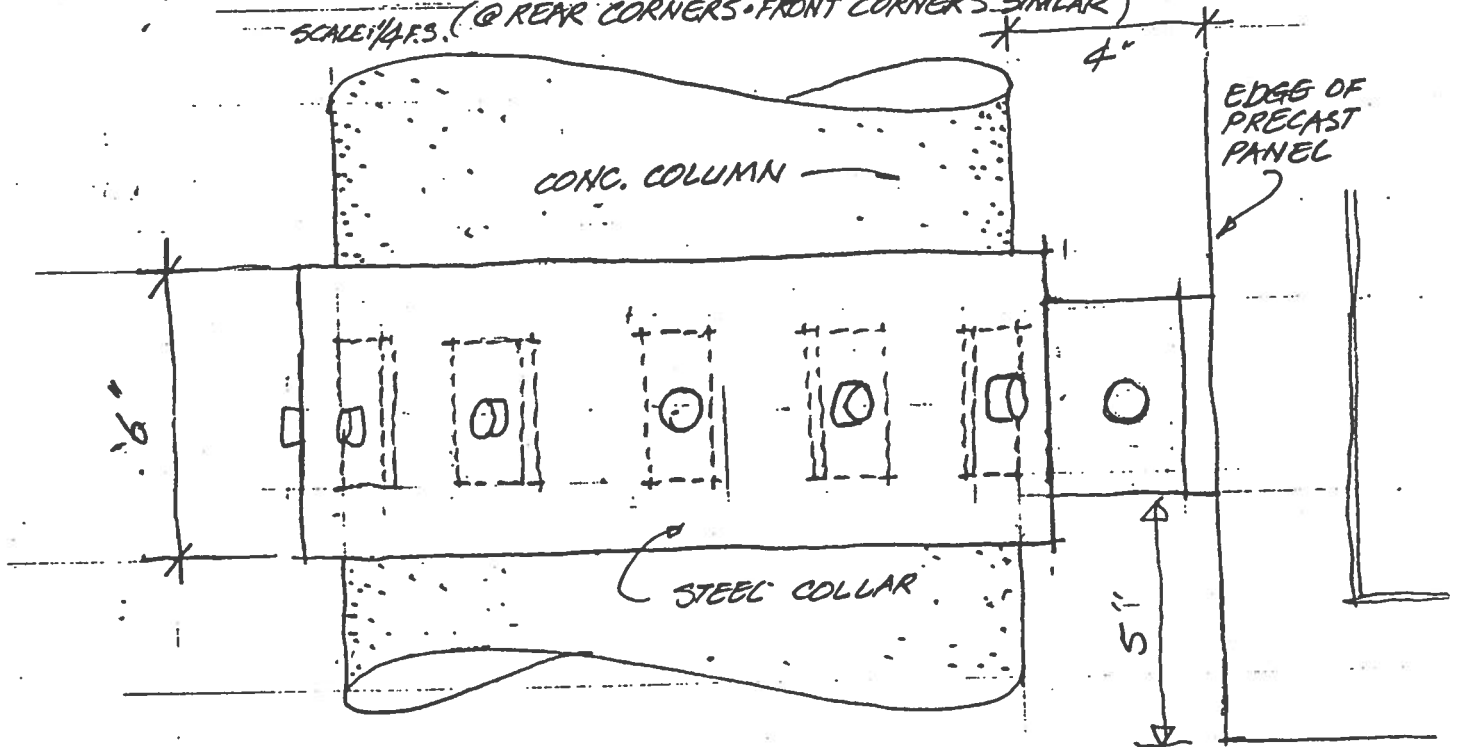
TYPICAL JOINT
(TYPICAL FOR
ALL COLUMNS)

FAL. INSERT HEADS
WELDED TO STEEL
COLLAR



NOTE!
SEE STRUCTURAL DRWG'S
FOR FURTHER DETAILS

PLAN: SUPPORT FOR BOTTOM OF PRECAST COLUMNS
SCALE: 1/4 F.S. (@ REAR CORNERS - FRONT CORNERS SIMILAR)

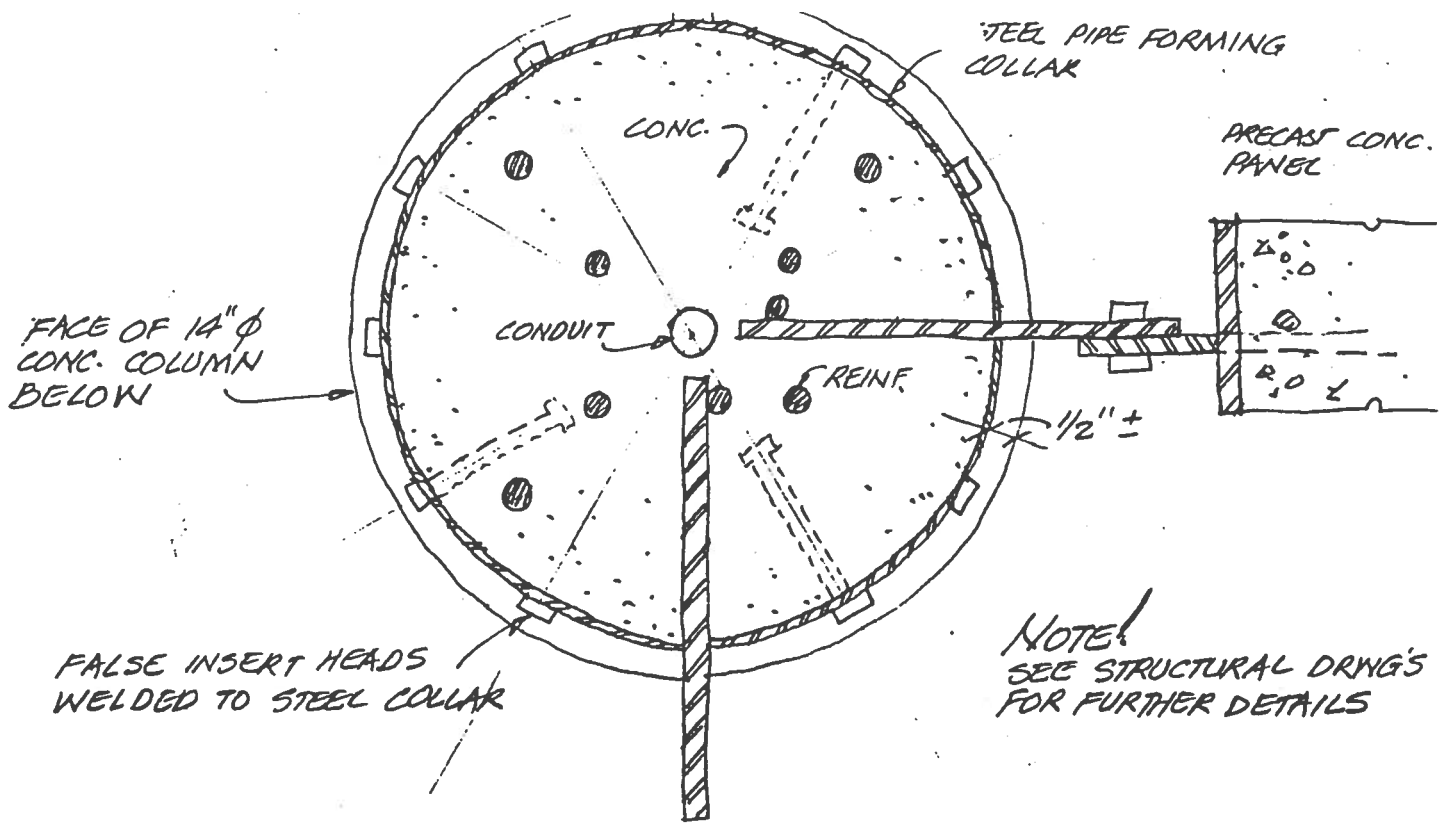


ELEVATION OF ABOVE @ TWO FRONT CORNERS - REAR CORNERS SIMILAR
SCALE: 1/4 F.S.

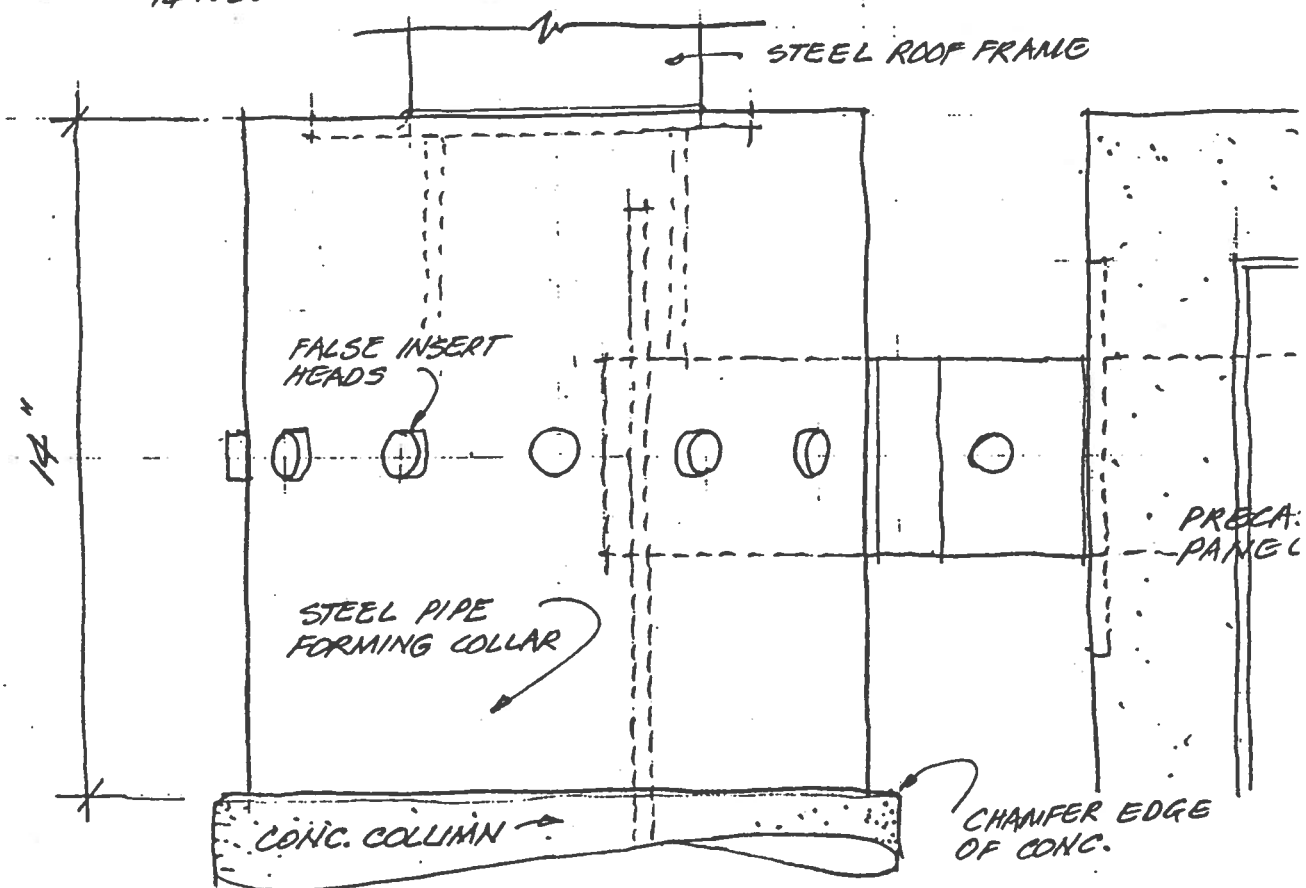
DRAWING #B

DETAILS
THE MARKER PAVILION
FOR THE TRANS CANADA TRAIL

SEPT. 15th 1995
W.G.MILNE ARCHITECT LTD.



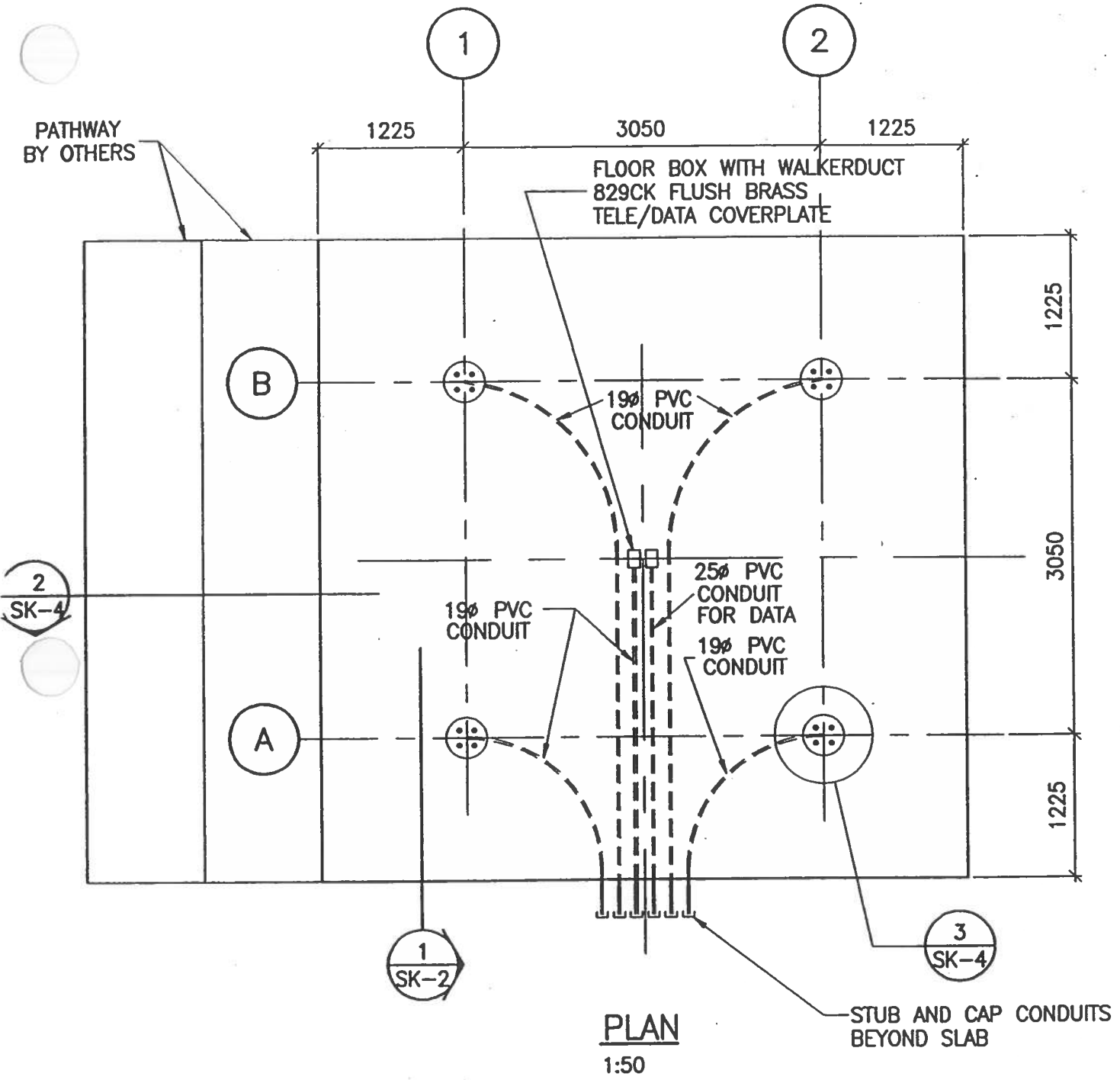
PLAN • SUPPORT FOR PRECAST PANELS AT TOP OF COLUMN
 (BACK CORNER SHOWN • FRONT CORNERS SIMILAR)
 Scale 1/4 F.S.



ELEVATION • FRONT CORNER • OTHER CORNERS SIMILAR
 Scale 1/4 F.S.

DETAILS
 THE MARKER PAVILION
 FOR THE TRAILS CANADA TRAIL

DRAWING #9
 SEPT. 15th 1995
 W.C. LAURIE ARCHITECT LTD.



Trans Canada Trail

1	REVISED FOUND. SLAB	95/08/17
NO	DESCRIPTION	DATE

PROJECT: THE MARKER PAVILION

SKETCH No.:

TITLE: PLAN OF FOUNDATION SLAB



SK-1

DESIGNED: AM

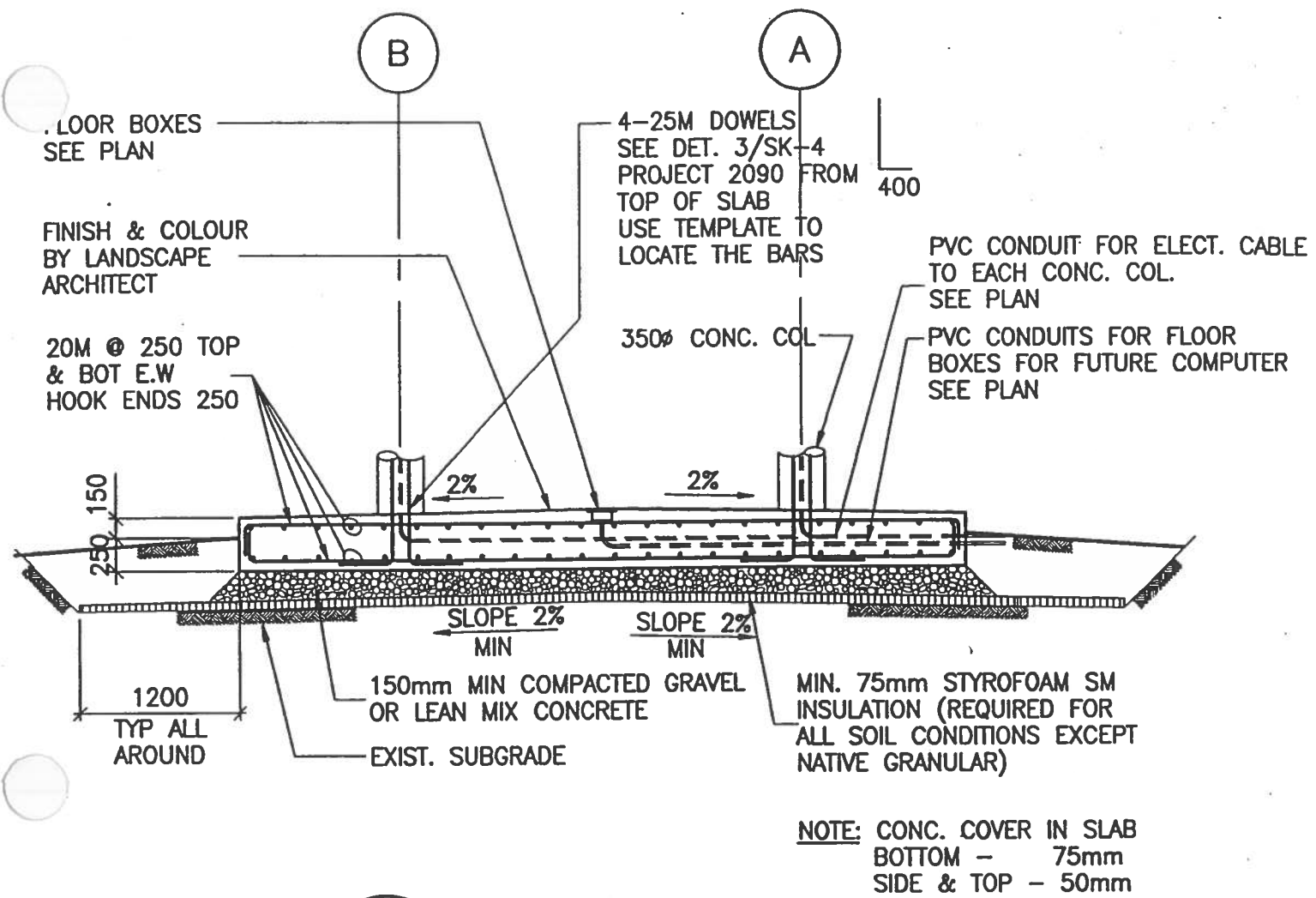
DRAWN: SMK

DATE: 95.09.27

PROJECT No.: Y1P525

CAD FILE NAME: C:\DATA\Y1P525\SK-01.DWG





1 SECTION
SK-2 1:50



Trans Canada Trail

1	REVISED FOUND. SLAB	95/08/17
NO	DESCRIPTION	DATE

PROJECT: THE MARKER PAVILION

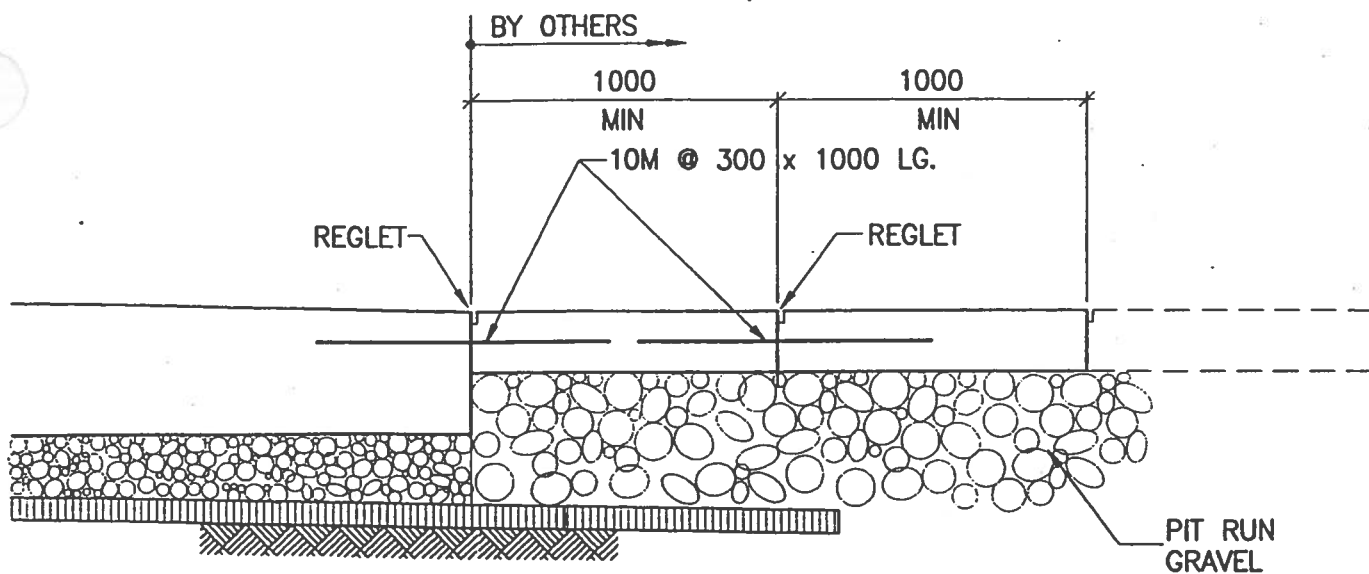
SKETCH No.:

TITLE: SECTION THROUGH FOUNDATION SLAB

1
SK-2

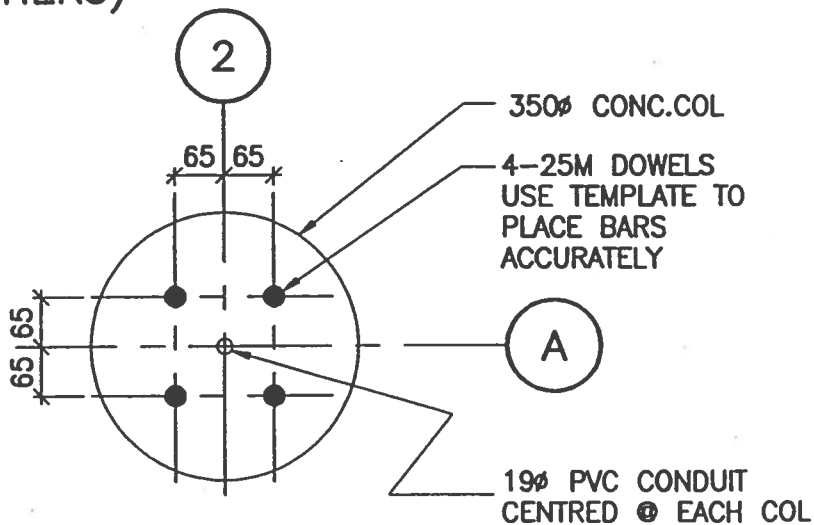


DESIGNED: AM DRAWN: SMK DATE: 95.09.27 PROJECT No.: Y1P525



2
SK-4

**TYPICAL DETAIL AT ADJOINING SIDEWALKS,
PATHWAYS ETC INCLUDING CONCRETE,
PAVER, STONework
(BY OTHERS)**



3
SK-4

DETAIL
1:10



Trans Canada Trail

NO	DESCRIPTION	DATE
1	REVISED FOUND. SLAB	95/08/17

PROJECT: **THE MARKER PAVILION**

SKETCH No.:

TITLE: **DETAILS**
(SK-3 DELETED IN REVISION 1)

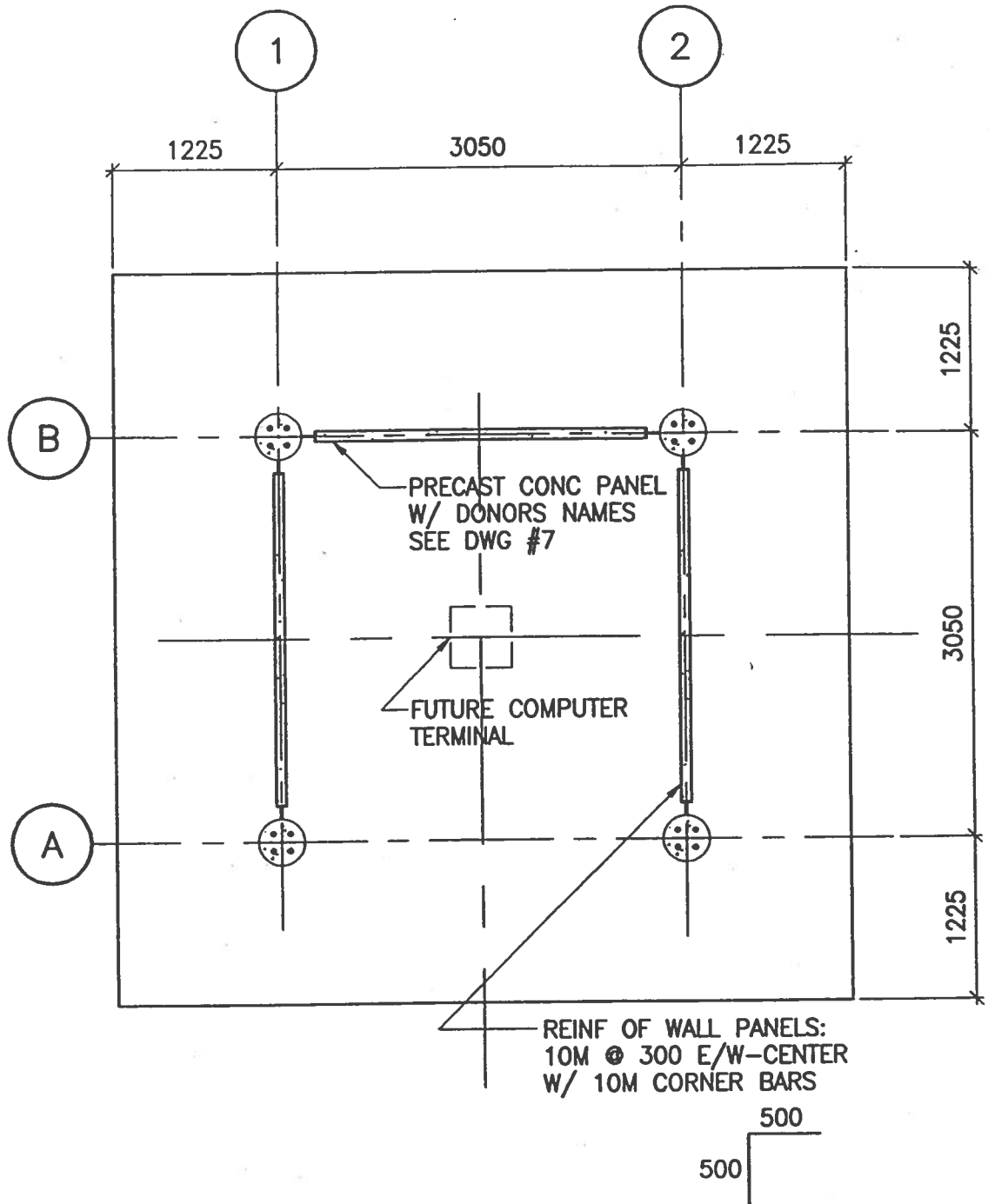
1
SK-4

DESIGNED: **AM** DRAWN: **SMK** DATE: **95.09.27**

PROJECT No.: **Y1P525**

CAD FILE NAME: C:\DATA\Y1P525\SK-04.DWG





PRECAST PANEL LAYOUT PLAN

1:50



Trans Canada Trail

NO	DESCRIPTION	DATE

PROJECT: THE MARKER PAVILION

SKETCH No.:

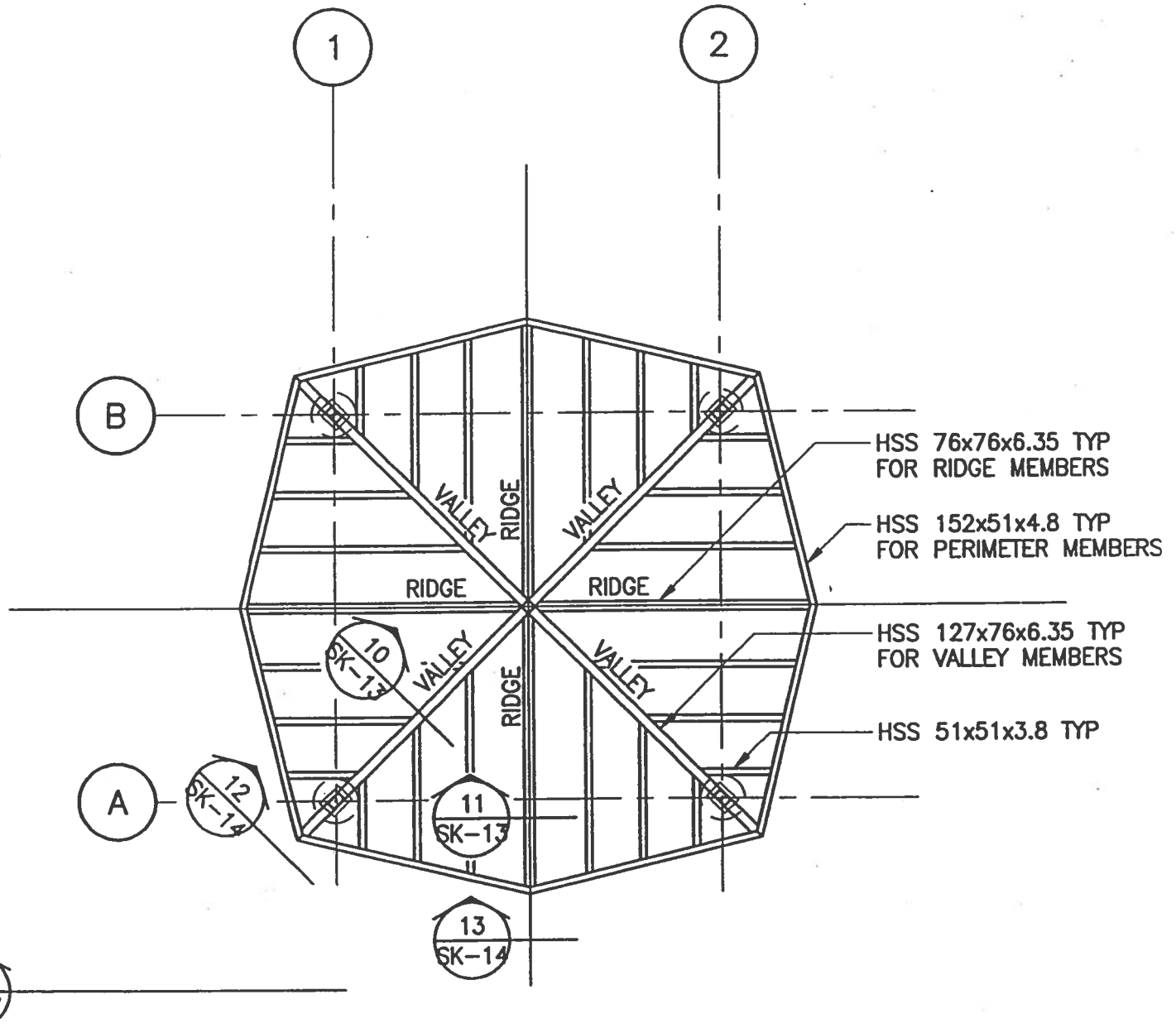
TITLE: PRECAST PANEL PLAN

SK-5

DESIGNED: AM DRAWN: PDC DATE: 95.09.27 PROJECT No.: Y1P525

CAD FILE NAME: C:\DATA\Y1P525\SK-05.DWG





ROOF PLAN

1:50



Trans Canada Trail

NO	DESCRIPTION	DATE

PROJECT: THE MARKER PAVILION

SKETCH No.:

TITLE: ROOF PLAN

SK-6

DESIGNED: AM

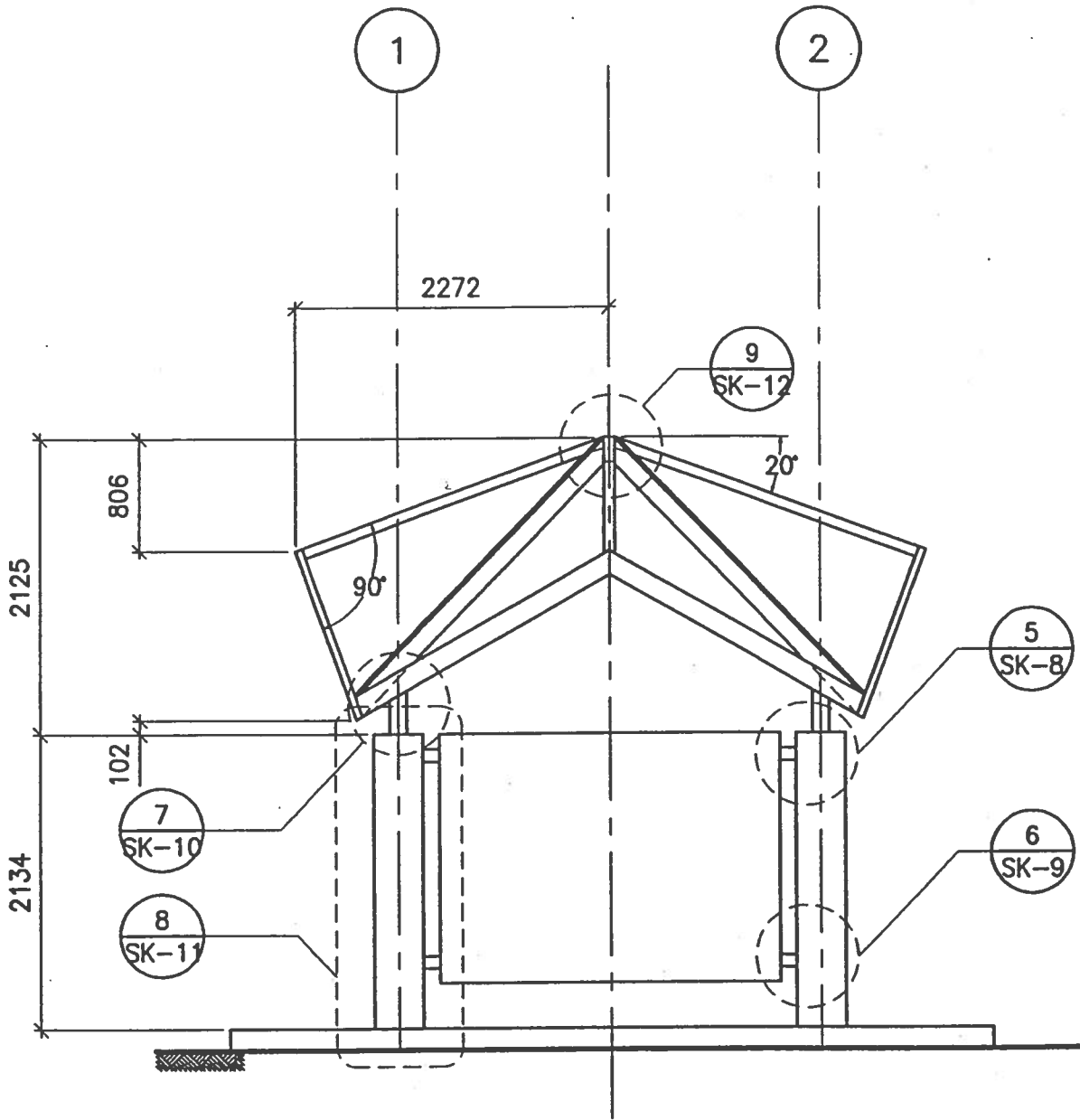
DRAWN: PDC

DATE: 95.09.27

PROJECT No.: Y1P525

CAD FILE NAME: C:\DATA\Y1P525\SK-06.DWG





4 PAVILION ELEVATION
SK-7 1:50



Trans Canada Trail

NO	DESCRIPTION	DATE

PROJECT: THE MARKER PAVILION

SKETCH No.:

TITLE: PAVILION ELEVATION

SK-7

DESIGNED: AM

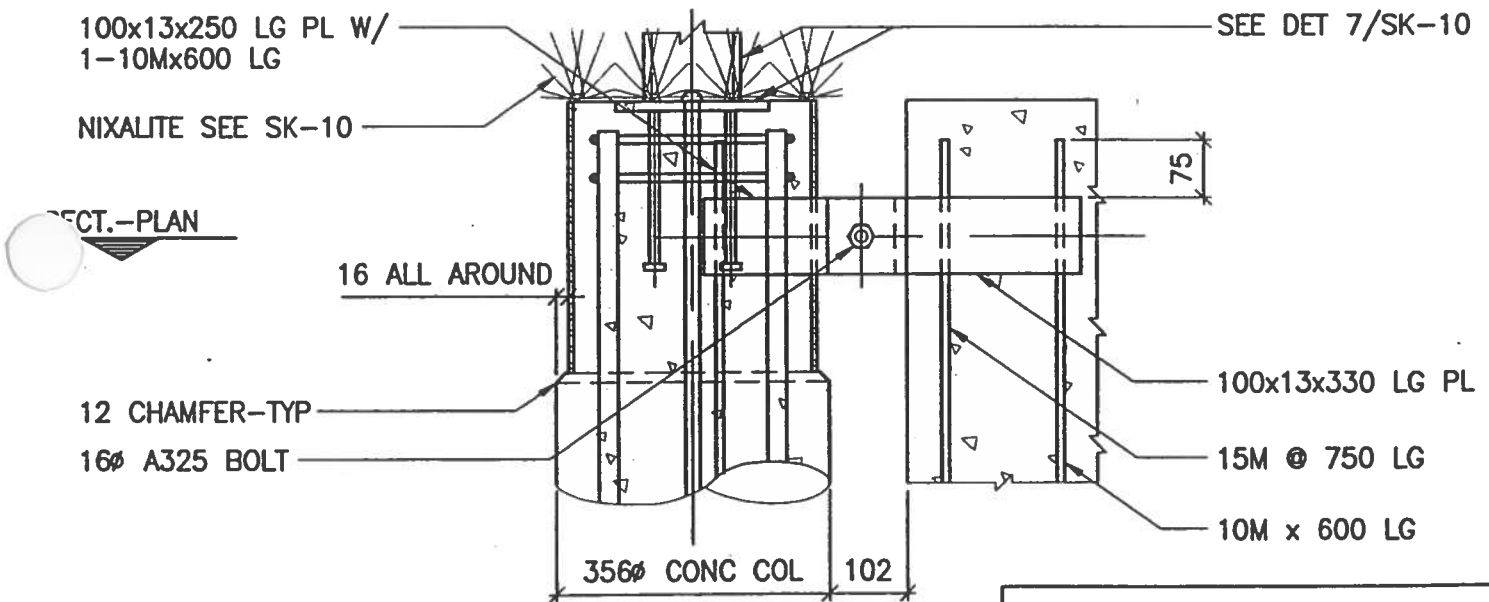
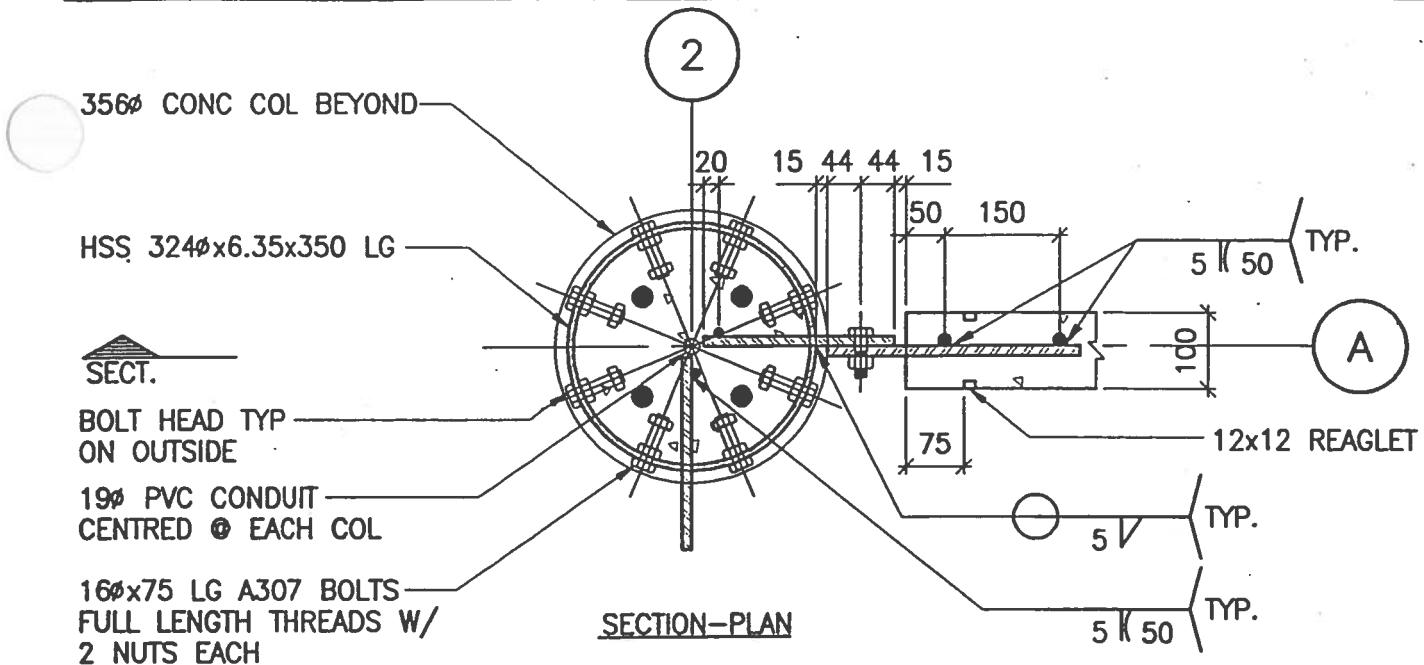
DRAWN: PDC

DATE: 95.09.27

PROJECT No.: Y1P525

CAD FILE NAME: C:\DL2\Y1P525\SK-07.DWG





NOTE
- WHOLE ASSEMBLY TO BE GALV.

5
SK-8

DETAIL @ TOP OF COL
1:10



Trans Canada Trail

NO	DESCRIPTION	DATE

PROJECT: THE MARKER PAVILION

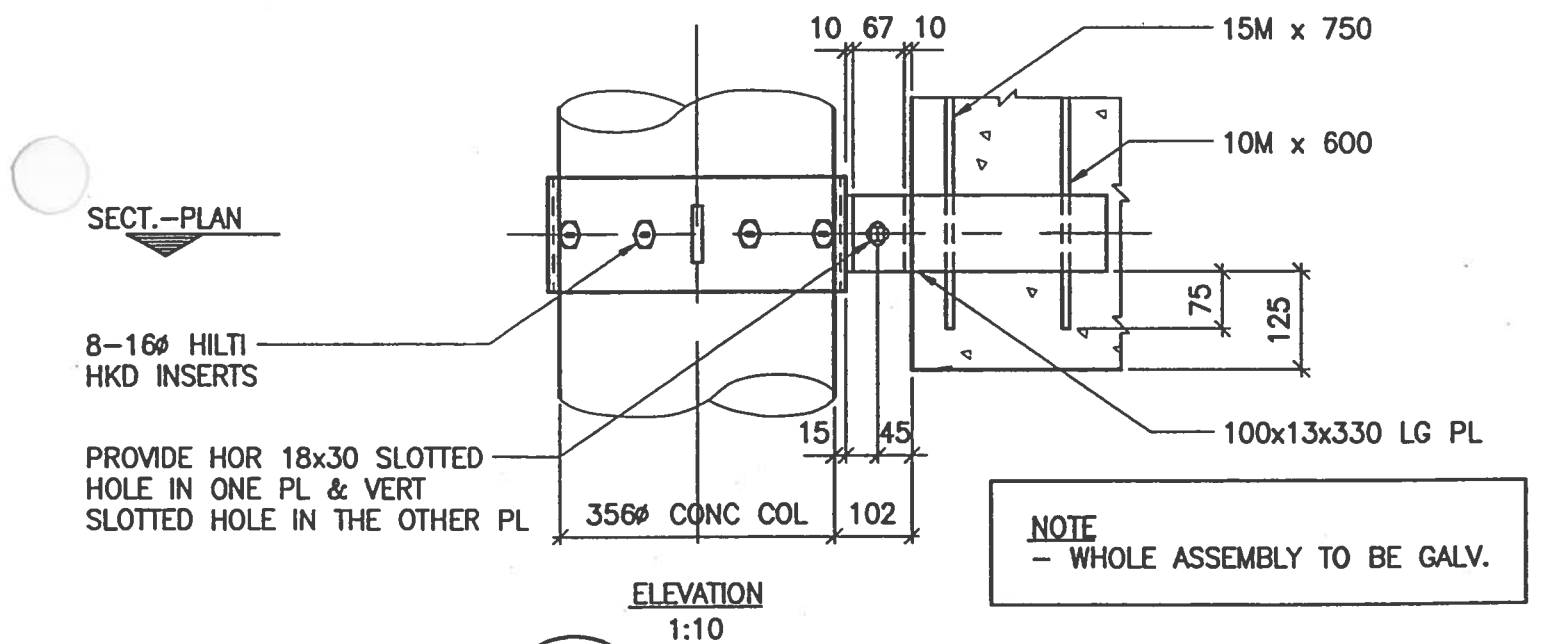
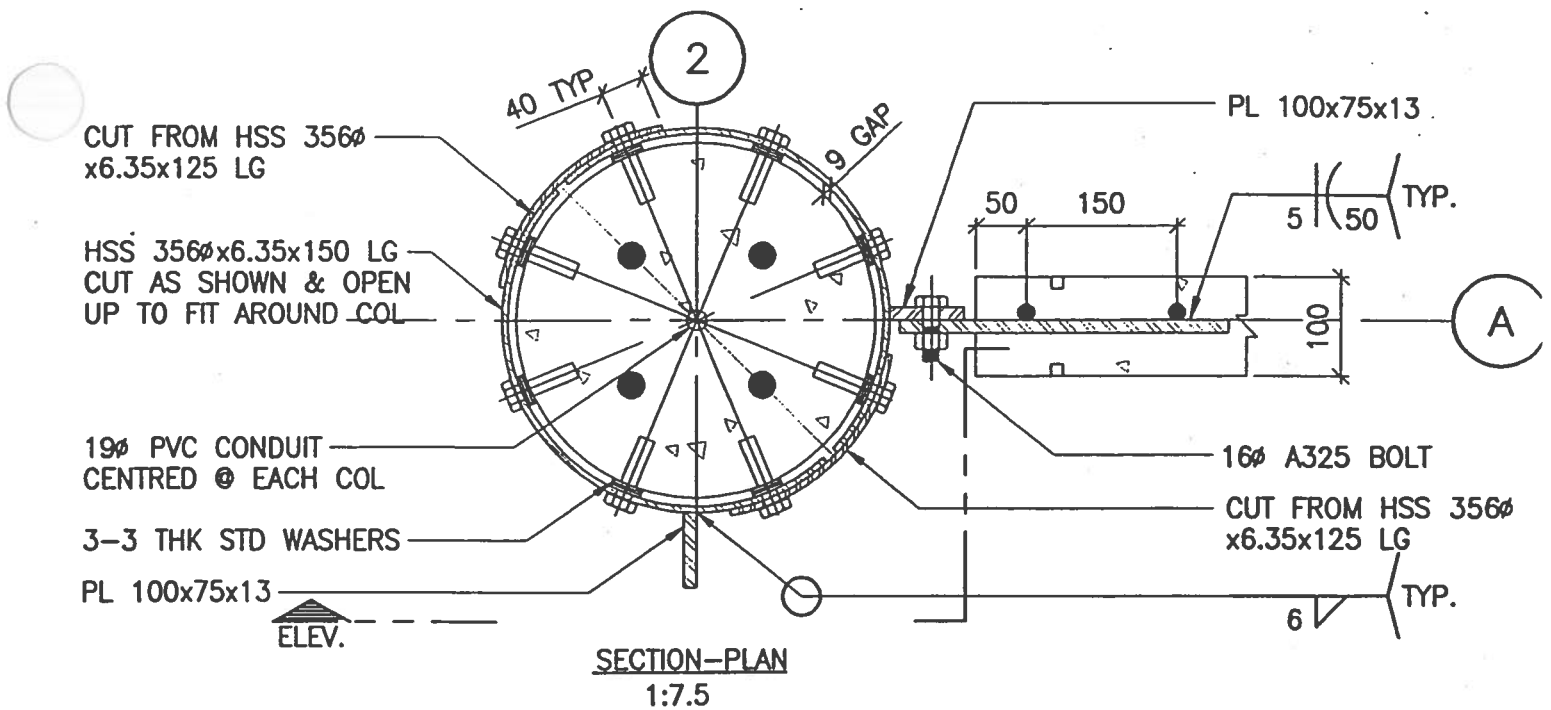
SKETCH No.:

TITLE: TOP OF COL CONNECTION DETAILS

SK-8

DESIGNED: AM DRAWN: PDC DATE: 95.09.27 PROJECT No.: Y1P525





6 **DETAIL @ BTM OF COL**
SK-9 AS NOTED



Trans Canada Trail

NO	DESCRIPTION	DATE

PROJECT: **THE MARKER PAVILION**

SKETCH No.:

TITLE: **BTM OF COL DETAIL**

SK-9

DESIGNED: **AM**

DRAWN: **PDC**

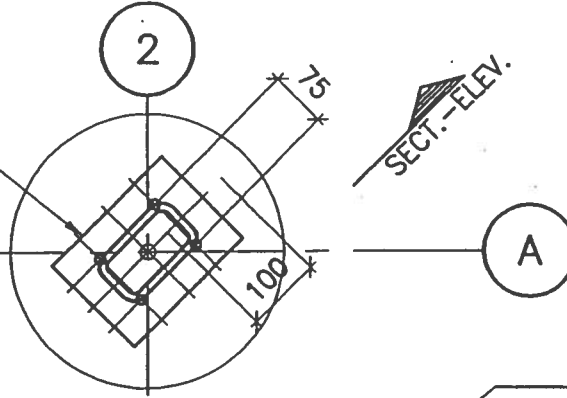
DATE: **95.09.27**

PROJECT No.: **Y1P525**



PL 150x13x200 W/ 4-13Ø
x200 LG N. STUDS W/ HOLE
FOR 19Ø PVC CONDUIT

SECTION-PLAN



SECT.-PLAN

HSS 127x76x6.35

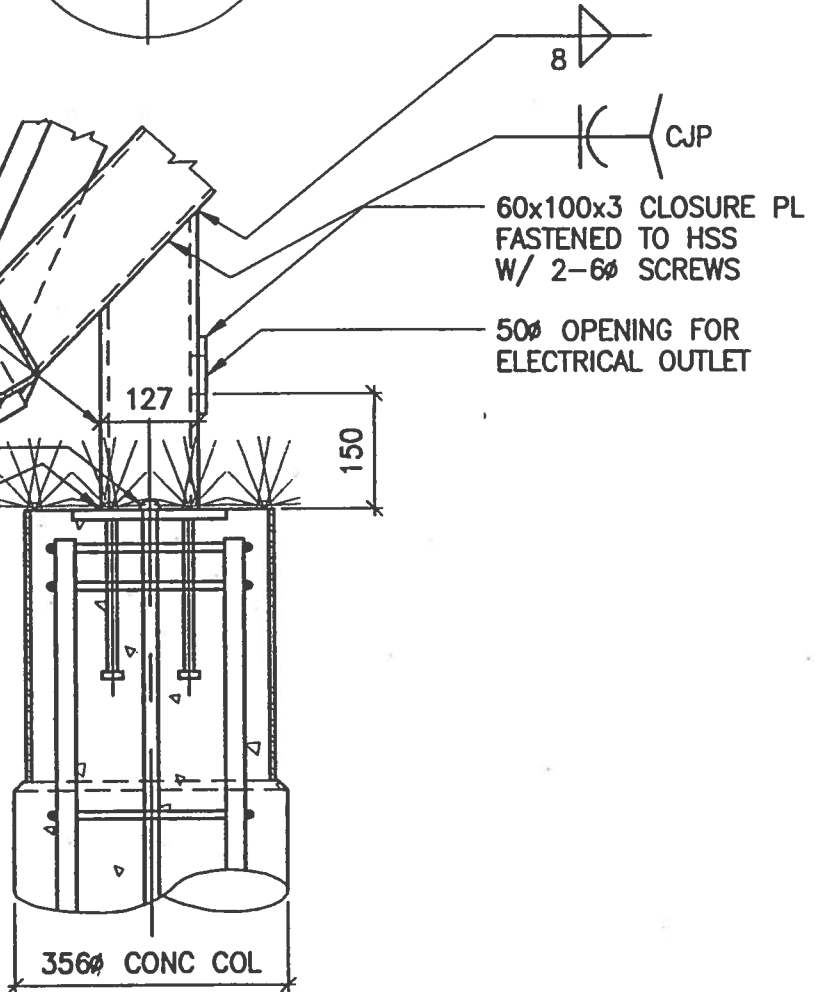
60x100x3 CLOSURE PL
FASTENED TO HSS
W/ 2-6Ø SCREWS

50Ø OPENING FOR
ELECTRICAL OUTLET

DRAIN HOLE EACH
SIDE, R=13

NX77 NIXALITE
BIRD CONTROL

SECTION-ELEVATION



7
SK-10

TOP OF COL CONNECTION DETAILS

1:10



Trans Canada Trail

NO	DESCRIPTION	DATE

PROJECT: THE MARKER PAVILION

SKETCH No.:

TITLE: TOP OF COLUMN CONNECTION DETAILS

SK-10

DESIGNED: AM

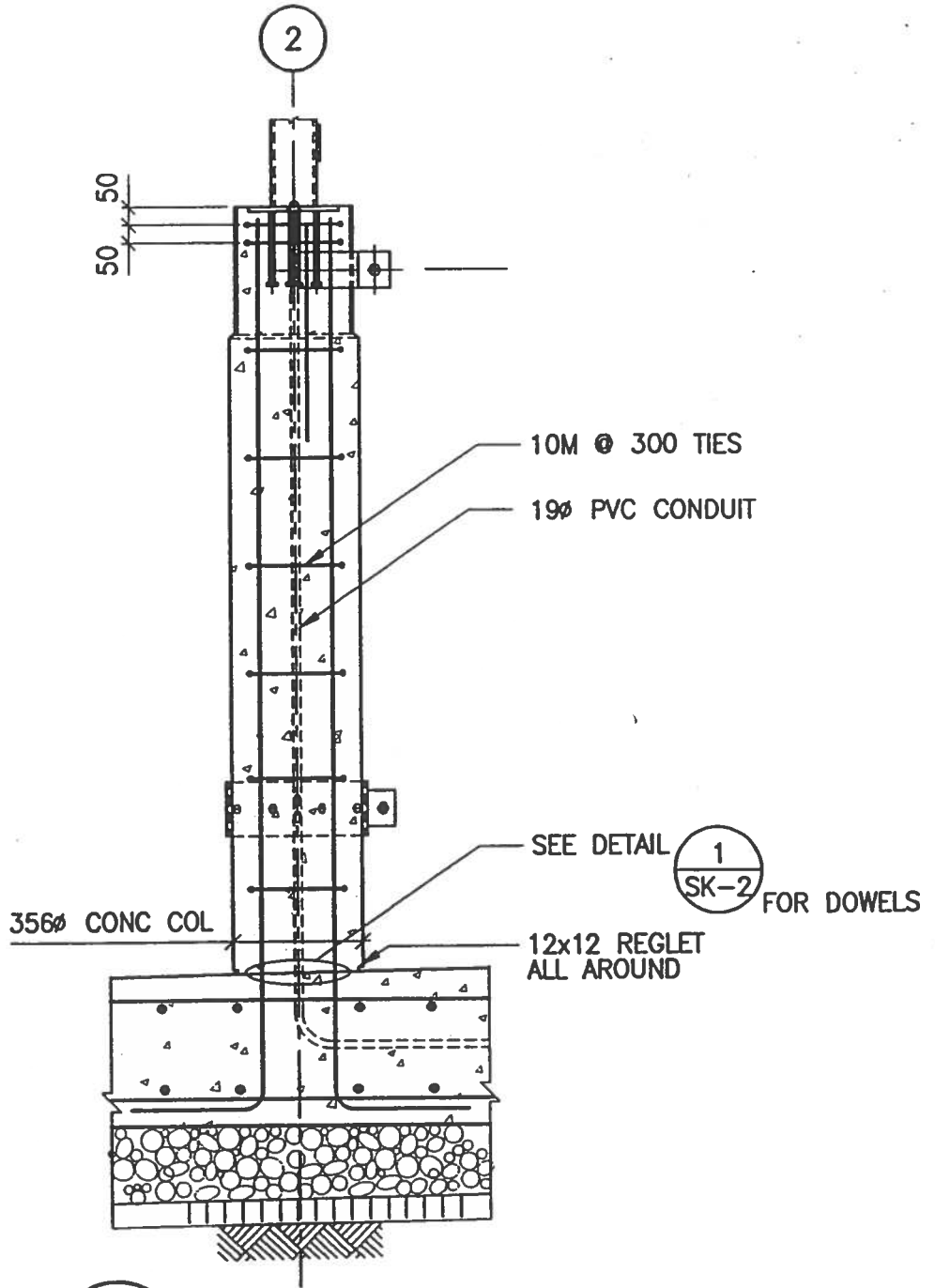
DRAWN: PDC

DATE: 95.09.27

PROJECT No.: Y1P525

CAD FILE NAME: C:\DATA\Y1P525\SK-10.DWG





8 TYP COL REINF
SK-11 1:20



Trans Canada Trail

NO	DESCRIPTION	DATE

PROJECT: THE MARKER PAVILION

SKETCH No.:

TITLE: TYP COL REINF

SK-11

DESIGNED: AM DRAWN: PDC DATE: 95.09.27 PROJECT No.: Y1P525

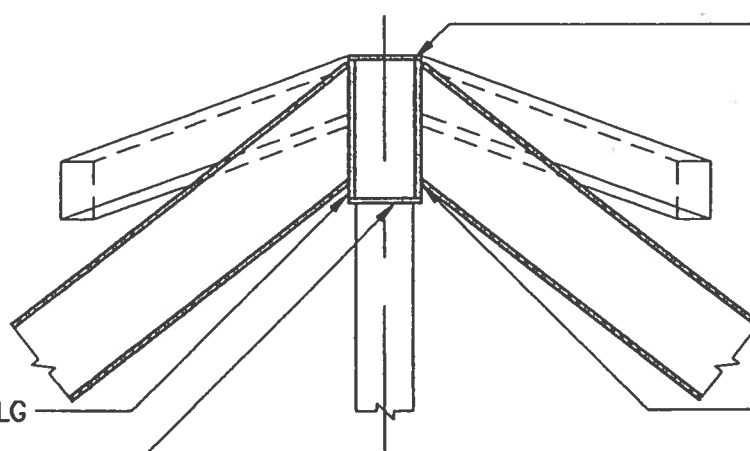
CAD FILE NAME: C:\DATA\Y1P525\SK-11.DWG



PLAN

CL LINE ROOF

6 TYP.



HSS 76x76x6.35x180 LG

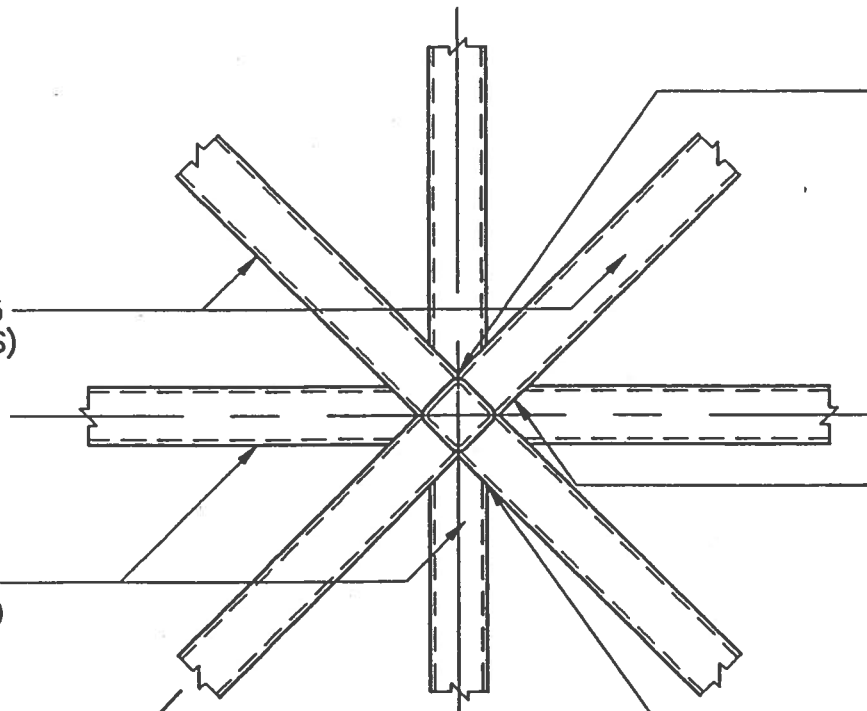
3 THK CLOSURE PL
TOP & BTM

SECTION

6 TYP.

HSS 127x76x6.35
(VALLEY MEMBERS)

HSS 76x76x6.35
(RIDGE MEMBERS)



PLAN

8 TYP.
10

TYP.

5 TYP.

SECT

9

ROOF PEAK DETAIL

SK-12

1:10



Trans Canada Trail

NO	DESCRIPTION	DATE

PROJECT: THE MARKER PAVILION

SKETCH No.:

TITLE: ROOF PEAK DETAIL

SK-12

DESIGNED: AM

DRAWN: PDC

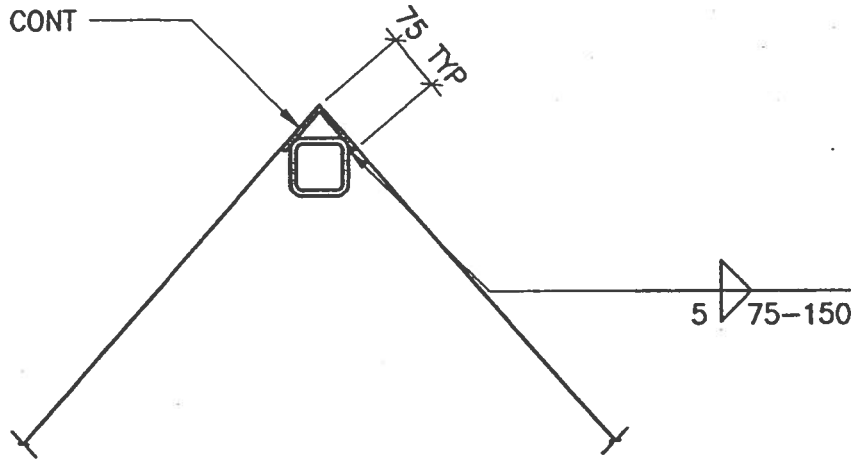
DATE: 95.09.27

PROJECT No.: Y1P525

CAD FILE NAME: C:\DATA\Y1P525\SK-12.DWG

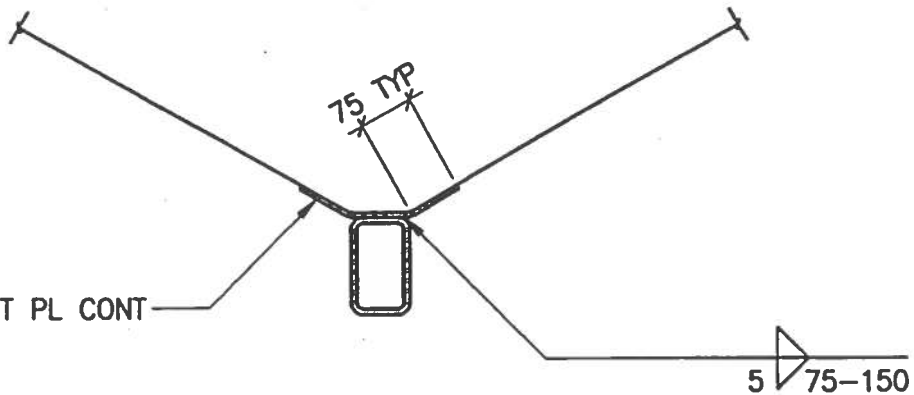


6 THK BENT PL CONT



11 RIDGE PLATE DETAIL
SK-13 1:10

6 THK BENT PL CONT



10 VALLEY PLATE DETAIL
SK-13 1:10



Trans Canada Trail

NO	DESCRIPTION	DATE

PROJECT: THE MARKER PAVILION

SKETCH No.:

TITLE: VALLEY & RIDGE PL DETAILS

SK-13

DESIGNED: AM

DRAWN: PDC

DATE: 95.09.27

PROJECT No.: Y1P525

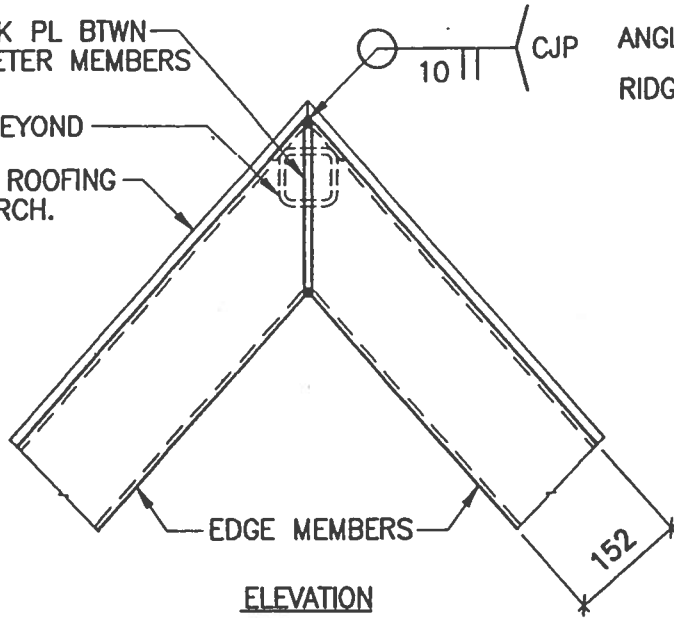
CAD FILE NAME: C:\DATA\Y1P525\SK-13.DWG



10 THK PL BTWN PERIMETER MEMBERS

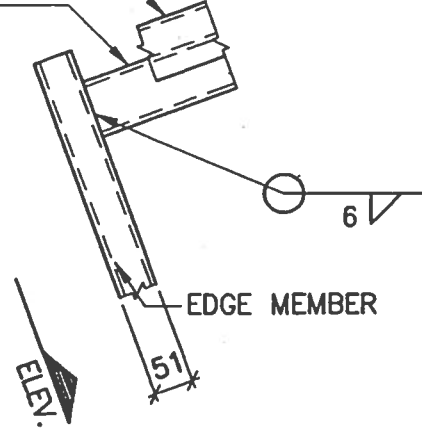
6 INCHES BEYOND

STEEL ROOFING SEE ARCH.



ELEVATION

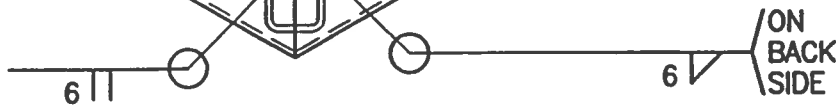
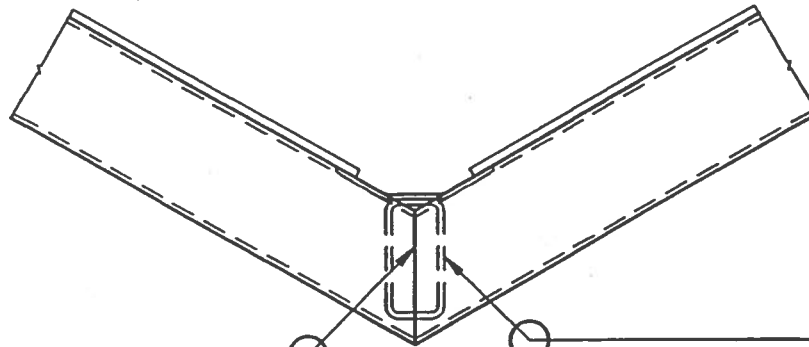
ANGLED RIDGE PL
RIDGE MEMBER



13
SK-14

PERIMETER MEMBER DETAIL @ RIDGE

1:10



12
SK-14

PERIMETER MEMBER DETAIL @ VALLEY

1:10



Trans Canada Trail

NO	DESCRIPTION	DATE

PROJECT: THE MARKER PAVILION

SKETCH No.:

TITLE: PERIMETER MEMBER DETAILS

SK-14

DESIGNED: AM

DRAWN: PDC

DATE: 95.09.27

PROJECT No.: Y1P525

CAD FILE NAME: C:\DATA\Y1P525\SK-14.DWG



DESIGN NOTES FOR MARKER PAVILION

GENERAL

DESIGN IS BASED ON THE NATIONAL BUILDING CODE, 1990.
TO PRESENT A UNIVERSAL DESIGN AT ANY LOCATION IN CANADA THAT FALLS
WITHIN THE FOLLOWING PARAMETERS.

DESIGN LOADS

LIVE LOAD ON ROOF 6.7 kN/m²
DEAD LOAD ROOF 1.0 kN/m²
WIND LOAD 1.68 kN/m²
EARTHQUAKE LOAD (BASED ON ZONAL VELOCITY RATIO) $v = 0.4$

FOUNDATIONS

DESIGN BEARING PRESSURE FOR SPREAD FOOTINGS IS ASSUMED TO BE
100 kPa WITH THE BASE COMPACTED TO 100% OF STANDARD PROCTOR
MAXIMUM DRY DENSITY.

BEARING PRESSURES TO BE VERIFIED IN WRITING IN THE FIELD BY A
PROFESSIONAL GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE.

REMOVE ALL ORGANIC MATERIAL FROM THE BUILDING AREA.

BRING OVER EXCAVATION AND CAVITIES IN THE FOOTING BASE UP TO THE
REQUIRED LEVELS WITH 10 MPa CONCRETE.

PROTECT EXCAVATIONS FOR FOOTINGS FROM RAIN, SNOW, FREEZING
TEMPERATURES, STANDING WATER AND DRYING.

WHERE GROUND WATER IS ALLOWED TO ENTER EXCAVATIONS REMOVE BY
APPROVED DEWATERING METHODS.

DO NOT PLACE CONCRETE AGAINST FROZEN GROUND. THAW BY AN APPROVED
METHOD THEN PROTECT EXCAVATIONS FROM FREEZING PRIOR TO PLACING
CONCRETE.

CAST-IN-PLACE CONCRETE

CONCRETE MATERIALS, QUALITY, MIXING, PLACING, FORMWORK AND OTHER
CONSTRUCTION PRACTICES TO CONFORM TO CAN3-A23.1-M90.

USE TYPE 50 SULPHATE RESISTANT CEMENT FOR FOUNDATION AND TYPE 10
NORMAL PORTLAND CEMENT FOR COLUMNS AND WALL PANELS.

CONCRETE STRENGTH AT 28 DAYS TO BE 30 MPa WITH A MAXIMUM SLUMP AT
TIME OF PLACING OF 80 mm.

ALL CONCRETE TO BE AIR-ENTRAINED 5 TO 8% BY VOLUME.

REINFORCING STEEL TO CONFORM TO CSA G30.18-M92, GRADE 400R.

WELDED REINFORCING STEEL TO CONFORM TO CSA G30.18-M92, GRADE
400W.



Trans Canada Trail

NO	DESCRIPTION	DATE

PROJECT: THE MARKER PAVILION

SKETCH No.:

TITLE: DESIGN NOTES

SK-15

DESIGNED: AM

DRAWN: PDC

DATE: 95.09.27

PROJECT No.: Y1P525



(DESIGN NOTES CONT'D) PRECAST REINFORCED CONCRETE

DESIGN PRECAST COMPONENTS IN ACCORDANCE WITH CAN3-A23.3-M84.

MATERIALS AND METHODS OF CONSTRUCTION TO CONFORM TO CAN3-A23.4-M78.

CONCRETE STRENGTH AT 28 DAYS TO BE 30 MPa.

REINFORCING STEEL TO CONFORM TO CSA G30.18-M92 GRADE 400R AND 400W.

WELDING OF REINFORCING TO BE CARRIED OUT BY AN ORGANIZATION QUALIFIED UNDER CSA W186-M1990.

STRUCTURAL STEEL

STEEL TO BE FABRICATED AND ERECTED BY A SHOP CERTIFIED BY THE CANADIAN WELDING BUREAU TO THE REQUIREMENTS OF CSA W47.1-92, DIVISION 1 OR 2.1 ONLY.

WELDING TO CONFORM TO CSA W59-M1989.

WELDING TO REINFORCING STEEL ONLY BY A SHOP CERTIFIED TO CSA W186-M1990 WITH REINFORCEMENT CONFORMING TO CSA G30.18-M92, GRADE 400W.

STRUCTURAL STEEL TO CONFORM TO CAN3-G40.21-M92, GRADE 350W FOR HOLLOW STRUCTURAL SECTIONS, GRADE 300W FOR ROLLED SECTIONS AND GRADE 260W FOR PLATES AND ANGLES WITH LEGS LESS THAN 80 mm.

SHOP GALVANIZING TO CONFORM TO CAN/CSA-G164-M92. MINIMUM COATING OF 700 g/m2.

BOLTS TO CONFORM TO ASTM A307 OR FOR HIGH STRENGTH BOLTS CONFORM TO ASTM A325.

SHEAR STUD CONNECTORS TO CONFORM TO ASTM A108-73 APPLIED BY ELECTRICAL RESISTANCE WELDING ONLY.

GRIND ALL EXPOSED WELDS SMOOTH, INCLUDING PAINTED STEEL.

CLEAN, PREPARE AND PRIME ALL STRUCTURAL STEEL AND ANCHOR PLATES. DO NOT PRIME ANCHOR BOLTS OR SURFACES IN CONTACT WITH CONCRETE.

TOUCH-UP FIELD WELDS, CONNECTIONS, ABRASIONS TO MATCH THE SHOP PRIMER.

PAINTING

PREPARE ALL STEEL SURFACES BY BLAST CLEANING TO NEAR WHITE METAL IN ACCORDANCE WITH SSPC-SP10.

PRIMER: CARBOLINE 858 (ZINC RICH EPOXY) DFT 0.075mm (3 MILS). INTERMEDIATE COAT: CARBOLINE 893 (EPOXY) DFT 0.100 - 0.150mm (4-6 MILS). TOPCOAT: CARBOLINE 134HS (URETHANE) DFT 0.050mm (2 MILS).



Trans Canada Trail

NO	DESCRIPTION	DATE

PROJECT: THE MARKER PAVILION

SKETCH No.:

TITLE: DESIGN NOTES

SK-16

DESIGNED: AM

DRAWN: PDC

DATE: 95.09.27

PROJECT No.: Y1P525

