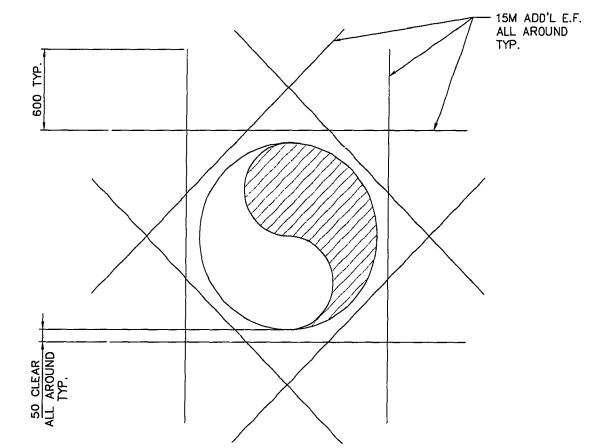
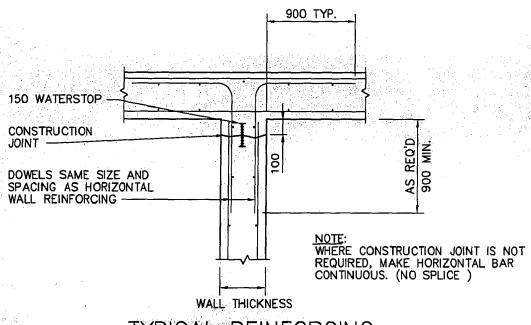


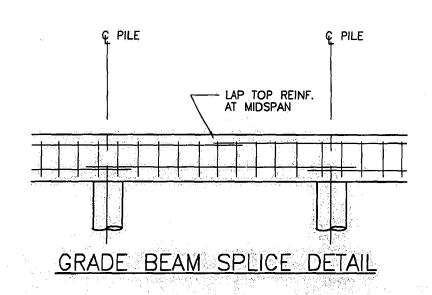
ELEVATION SHOWING EXTRA REINF. AROUND WALL OPENINGS N.T.S.

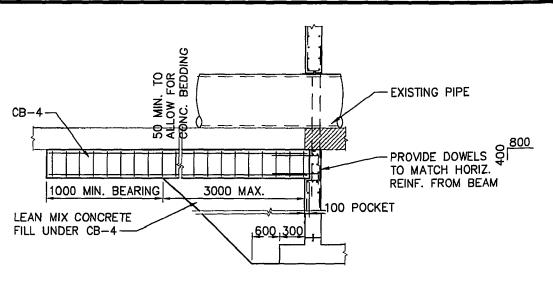


EXTRA REINF. AROUND PIPE CAST IN WALL-MAX. PIPE 1800¢



TYPICAL REINFORCING AT WALL INTERSECTION

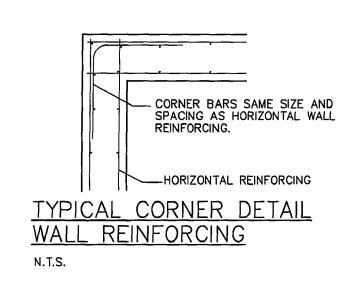




CONCRETE SUPPORT BEAM FOR

EXISTING 1800 I.D. CONC. PIPE

NOTE: CONC. BEDDING SHALL CONTINUE WESTERLY UNTIL THE PIPE IS IN ORIGINAL SOIL AND VERT. FROM VIRGIN SOIL BELOW TO 1/4" OF O.D. OF THE PIPE ABOVE THE BOTTOM OF THE PIPE. ALL SNOW, ICE AND FROST SHALL BE REMOVED FROM BENEATH OF PIPE PRIOR TO BEDDING



150 , AS REQ'D BY EQUIPMENT, 150

SUPPLIER (TYP)

ALLOW FOR 25 mm

HOUSE KEEPING PAD

JOINT TYPE 1

CONSTRUCTION JOINT FOR FLOOR SLAB WALLS SIMILAR

FOR EQUIPMENT

N.T.S.

CLASS 'B'

TENSION LAP

(TYPICAL)

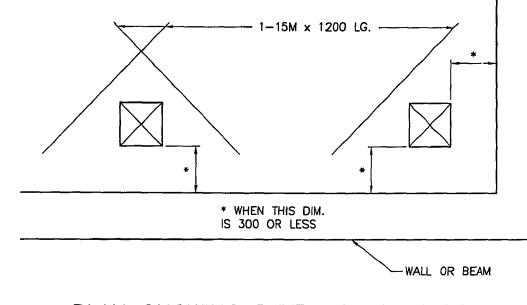
INTERIOR OR WATER

N.T.S.

RETAINING FACE

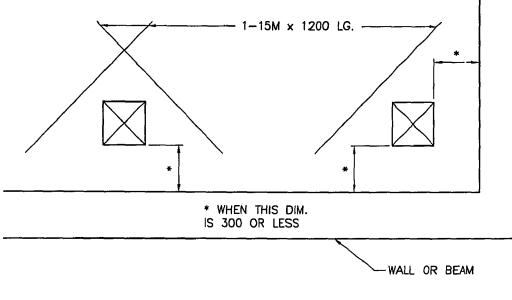
MINIMUM GROUT

PLACEMENT.



PLAN SHOWING EXTRA REINFORCING AROUND OPENINGS 150 TO 280

1-20M



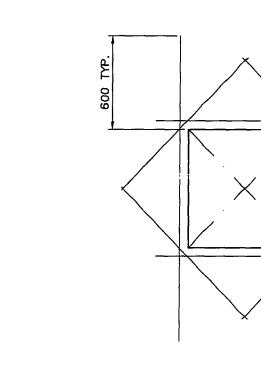
WHEN OPENING IS MORE THAN 300 FROM BEAM OR WALL

1-20M TOP & BOTT EACH SIDE

CORNER TRIM BARS

AS ABOVE

1-15M x 1200 LG. TOP & BOT. EA. SIDE



PLAN SHOWING EXTRA REINFORCING AROUND OPENINGS 300 TO 760

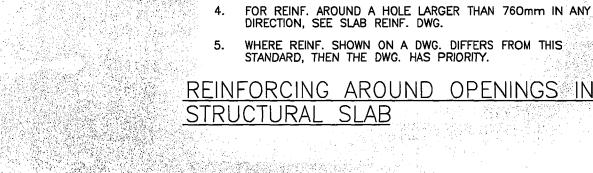
* WHEN THIS DIM. IS 300 OR LESS

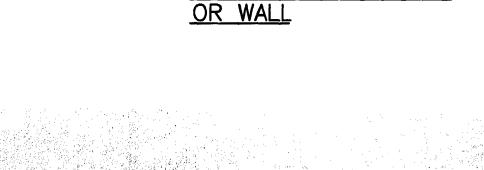
NUMBER OF REINF. BARS CUT TO BE KEPT AT A MINIMUM DEFLECT AS MANY BARS AS POSSIBLE AROUND OPENING.

WALL OR BEAM

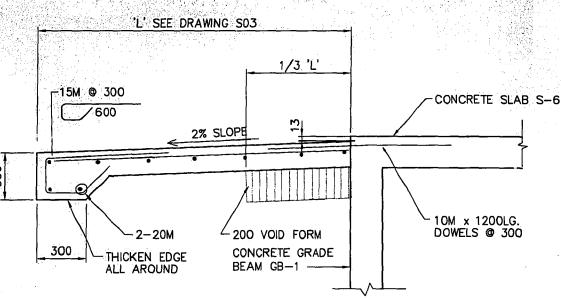
- REINF. BARS TO BE KEPT 50mm CLEAR OF OPENING.
- CIRCULAR OPENINGS TO BE TREATED IN THE SAME MANNER AS RECTANGULAR OPENINGS.

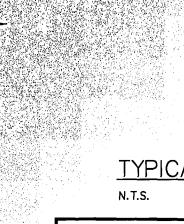
REINFORCING AROUND OPENINGS IN





WHEN OPENING IS MORE THAN 300 FROM BEAM





NO. REVISIONS

EPOXY ANCHOR BOLTS AS REQ'D BY EQUIPMENT SUPPLIER

-15M @ 300 DOWEL'S 900 MINIMUM 2 PER SIDE 8 DRILL AND GROUT 9

AS REQ'D - 150 MINIMUM OR AS SHOWN ON DRAWINGS

- 25 CHAMFER

-- 15M @ 300 EACH WAY

DRILL AND GROUT

FIRST POUR

EXTERIOR FACE

-15x10 REGLET

FILL WITH XYPEX DRY PAC

IN MINIMUM 100 DEEP

CORNER TRIM BARS

AS ABOVE

TYPICAL REGLET DETAIL

XYPEX DRY PAC

10 CHAMFER

ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. AS A RESULT, THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT. REID CROWTHER & PARTNERS LIMITED
W | N N | P E G . DATE..99/Q9/24...

THESE RECORD DRAWINGS HAVE BEEN PREPARED. IN PART

TYPICAL CONCRETE APRON

				[2	BIG. // DATE.	.4#\.U
B.M. ELEV.			Por			ENGI
			Cro	s) wther	Consulting Engineering Worldwide	0
			DESIGNED BY	MEB/NHK	CHECKED DGN/DLH	
			DRAWN BY	C.T.	APPROVED AL	
1 0	RECORD DRAWING ISSUED FOR TENDER	99\09\24 R.D. 98\07\27 C.T.	HOR. SCALE: VERTICAL:	AS NOTED	RELEASED FOR CONSTRUCTION BY:	CONS

98/05/07

DATE

DATE BY DATE

	ENGINEER'S SEAL
nsulting gineering rldwide	ORIGINAL SIGNED BY D.G.
DGN/DLH	NICHOLLS 7/22/1998
ÅL	
OR ON BY:	CONSULTANT DRAWING NO.
	61786.01 S08

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

SOUTH END WATER POLLUTION CONTROL CENTRE	CITY DRAWING NUMBER SEP-2421	
EFFLUENT DISINFECTION FACILITY	SHEET	OF
CONCRETE SECTIONS AND DETAILS SHEET 3 OF 3	R	EV-1