UPPER LEVEL FRAMING PLAN

1 : 200

UPPER LEVEL DESIGN LOADS:

TYPICAL DESIGN LIVE LOAD = 4.8kN/SQM
DESIGN L.L. AT WASHROOMS = 2.4kN/SQM.
SUPERIMPOSED DEAD LOAD = 10kPa PARTITIONS
40mm TOPPING DEAD LOAD = 10kPa

TOP OF STRUCTURAL STEEL ELEVATION 103 200 U/N

TYPICAL MASONRY PILASTER MP1

190x390 MASONRY PILASTER W/ 2 CORES CONCRETE FILLED FULL HEIGHT + R/W 1-15M VERT PER CORE WITH MATCHING DOWELS TO GRADE BEAMS

TYPICAL MASONRY PILASTER MP2

190x390 MASONRY PILASTER W/ 2 CORES CONCRETE FILLED FULL HEIGHT + R/W 2-15M VERTS PER CORE WITH MATCHING DOWELS TO GRADE BEAM AND #2 WIRE TIES AT 200 O/C IN MORTAR JOINTS

TYPICAL LINTEL MARK L1

200mm DEEP CONCRETE U-BLOCK R/W 1-15M BOTTOM AND CONCRETE FILLED PROVIDE 200 BEARING EACH END

TYPICAL LINTEL MARK L2

400mm DEEP CONCRETE U-BLOCK R/W 2-15M BOTTOM AND CONCRETE FILLED PROVIDE 200 BEARING EACH END

TYPICAL LINTEL MARK L3

W200x46 STEEL BEAM C/W 20mm+x150 LG. STUD ANCHORS AT 400 O/C ON TOP FLANGE. PROVIDE TYPICAL BEARING PL EACH END ON 2 FILLED CORES FULL HT. UNLESS NOTED OTHERWISE

TYPICAL LINTEL MARK L4

190x390 CONCRETE BEAM R/W 2-20M TOP + BOTTOM W/ 10M STIRRUPS AT 200 O/C. PROVIDE 400 BEARING EACH END ON 2 FILLED CORES, 3 COARSES DEEP

TYPICAL LINTEL MARK L5

240x390 CONCRETE BEAM R/W 2-20M TOP + BOTTOM W/ 10M STIRRUPS AT 200 O/C. PROVIDE 400 BEARING EACH END ON 2 FILLED CORES, 3 COARSES DEEP

TYPICAL LINTEL MARK L6

L90x125x8 BACK TO BACK ANGLES STITCH WELDED TOGETHER. PROVIDE 200 BEARING EACH END.

TYPICAL LINTEL MARK L7

3 PLY 38x184 #2 SPF BUILT UP WOOD BEAM PROVIDE DOUBLE STUD BEARING AT EACH END.

TYPICAL ANGLE MARK 2A

L125x125x13 CONTIN. ANGLE SEAT W/ 10mm GUSSET PLATES AT 600 O/C. FIELD WELDED TO A 200x200x16 WELD PLATE (SPACED AT 800 O/C) C/W 2-20mm+x 115 STUD ANCHORS INTO CONCRETE FILLED BLOCK

TYPICAL WBEAM BRG. PL. ON MASONRY

190x190x16mm BEARING PLATE C/W 2-16mm+ x 300 LONG STUD ANCHORS TO CONCRETE FILLED CORES. FILL MINIMUM 4 CORES, 4 COURSES DEEP BELOW BEAM BEARING UNLESS NOTED OTHERWISE

PRECAST PLANK NOTES

REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS AS REQUIRED TO LOCATE AND SIZE ALL REQUIRED OPENINGS THRU THE PRECAST FLOOR PLANKS.
REFER TO MECHANICAL DRAWINGS FOR LOCATIONS AND WEIGHTS OF MECHANICAL EQUIPMENT TO BE ON OR SUSPENDED FROM THE PRECAST FLOOR PLANKS.

GROUT KEY BARS
- PROVIDE 10M GROUT KEY BARS AT ALL GROUT KEY LOCATIONS (1220 O/C) TO SUIT FINAL PRECAST PLANK LAYOUT. BARS SHALL BE HOOKED TO 10M VERTICALS SET INTO CONCRETE BLOCK WALLS

SIDE TIE BARS
PROVIDE 12M SIDE TIE BARS AT 1/3 SPAN POINTS OF EACH PECAST PANEL SPANNING PARALLEL TO A CONCRETE BLOCK WALL.

TYPICAL COLUMN MARK C1

HSS 127x127x6.4 C/W 180x280x25 BASE PL. + 2-20mm+x450 LONG ANCHOR BOLTS PLACE PL. ON 25mm NON-SHRINK GROUT U/S BASE PLATE ELEV. 99 825

TYPICAL COLUMN MARK C1A

HSS 127x127x6.4 C/W 180x280x25 BASE PL. U/S BASE PLATE ELEV. 100 025 ALIGN COLUMN OVER EXISTING COLUMN BELOW. PROVIDE 2-20mm+ HILTI KWIK BOLTS TO FILLED CORES AT BASE PL. + 25mm NON-SHRINK GROUT.

TYPICAL COLUMN MARK C1B

HSS 127x127x6.4 C/W 180x280x25 BASE PL. U/S BASE PLATE ELEV. 100 025 2-20mm+x450 LONG ANCHOR BOLTS TO NEW STRUCTURE OR 2-20mm+ HILTI KWIK BOLTS TO EXISTING CONC. (115 EMBEDMENT)

TYPICAL COLUMN MARK C2

HSS 152x152x6.4 C/W 200x300x25 BASE PL. + 2-20mm+x450 LONG ANCHOR BOLTS PLACE PL. ON 25mm NON-SHRINK GROUT U/S BASE PLATE ELEV. 99 825

TYPICAL COLUMN MARK C3

HSS 178x178x6.4 C/W 300x350x25 BASE PL. + 2-20mm+x450 LONG ANCHOR BOLTS PLACE PL. ON 25mm NON-SHRINK GROUT U/S BASE PLATE ELEV. 99 825

TYPICAL COLUMN MARK C4

HSS 102x102x6.4 C/W 125x250x20 BASE PL. U/S BASE PLATE ELEV. 100 025 PROVIDE 2-16mm+ HILTI KWIK BOLTS TO EXISTING CONC. (150 EMBEDMENT)

TYPICAL COLUMN MARK C5

HSS 219+x6.4 C/W 250x250x25 BASE PLATE FIELD WELD BASE PLATE TO A 300x300x25 CAST IN BEARING PLATE ANCHORED TO CONCRETE W/ 4-20mm+x400 LONG ANCHOR BOLTS WELDED TO U/S. SET TOP OF PLATE AT TOP OF CONCRETE

NO.	ISSUED FOR	DATE
1	ISSUED FOR BUILDING PERMIT	OCT. 1/96

SLG Stanley Engineering

PROVINCE OF MANITOBA 1/10/96 J. R. ERICKSON REGISTERED ENGINEER

ERNST HANSCH CONSTRUCTION LTD.

DAKOTA COMMUNIPLEX

UPPER LEVEL FRAMING PLAN

DESIGNED BY	P.W.	IDG Stanley	
CHECKED BY	J.R.E.	Consulting Engineers & Planners 905 Waverley Street, Winnipeg, Manitoba Tel 204-489-5900 Fax 204-453-9012	
APPROVED BY	-		
DRAWN BY	E.B.C.	SCALE AS NOTED	IDGS# DCC-S5-64-507

FILE: D:\DRWGR12\DAKOTA\S-05.DWG 96/10/01 1:13pm EBC