



**DESIGN LOADS: BLOWER BUILDING & EXHAUST FAN BUILDING**

D.L. = STRUCTURE SELF WT.	L.L. SNOW = 1.6 kPa
D.L. MONO-RAIL = 12.0 kN	L.L. MONO RAIL = 26.7 kN
D.L. MECH./PIPING = 2.0 kPa	L.L. OCCUPANCY = 2.4 kPa
D.L. ROOF CONST. = 1.0 kPa	
D.L. MECH. UNITS = AS INDICATED	

- PRECAST HOLLOWCORE NOTES:**
- HOLLOWCORE PLANK SUPPLIER TO PROVIDE DESIGN CALCULATIONS AND SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS SHALL INCLUDE DESIGN LOADS, OPENINGS, AND SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF MANITOBA.
  - ALL OPENINGS IN HOLLOWCORE PLANKS SHALL BE SHOP FABRICATED. DESIGN AND SUPPLY OF ALL HANGERS AT OPENINGS ARE THE RESPONSIBILITY OF PRECAST HOLLOWCORE PLANK SUPPLIER.
  - ALL NOTCHED OUT AREAS FOR GROUT BARS SHALL BE PROVIDED. ALL REQUIRED GROUT BARS & DOWELS TO BOND BEAMS SHALL BE PROVIDED BY PRECAST HOLLOWCORE PLANK SUPPLIER.
  - PROVIDE ALL BEARING PADS AS REQUIRED.



**E UPPER ROOF FRAMING PLAN**  
SCALE: 1:125

NOTE:  
MONO RAIL TO BE SUSPENDED FROM HOLLOWCORE PLANKS ABOVE.

B.M. ELEV. NO. REVISIONS DATE BY DATE	EarthTech A Tyco International Ltd. Company		ENGINEER'S SEAL ORIGINAL SIGNED BY L.L. RIDING 2006/05/15	THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION NEWPCC CENTRATE NUTRIENT TREATMENT NITROGEN REMOVAL FACILITY STRUCTURAL SBR BUILDING UPPER ROOF FRAMING PLAN	CITY FILE NUMBER SHEET OF CITY DRAWING NUMBER
	DESIGNED BY: LLR	CHECKED BY: GGP	CONSULTANT DRAWING NO. S3.01		
	DRAWN BY: WDB	APPROVED BY: JEH			
	SCALE: AS NOTED	RELEASED FOR CONSTRUCTION BY: K. MARTENS			
00 ISSUED FOR TENDER 06/05/15 WDB	2005/11/23	2006/05/15			