

1 FOUNDATION & MAIN FLOOR FRAMING PLAN
1:50

MARK	SIZE (mm)	REINFORCEMENT				REFERENCE SECTION
		TOP BARS	BOTTOM BARS	STIRRUPS	INTERMEDIATE	
GB-1	305mm/406mm x 940mm/1220mm	4-25M	6-25M	10M @ 254mm O/C	2-10M @ MID-HT	4/S4.0
GB-2	305mm x 940mm	3-25M	3-25M	10M @ 406mm O/C		3/S4.0
GB-3	203mm/457mm x 940mm/1220mm	4-25M	4-25M	10M @ 254mm O/C		5/S4.0
GB-4	305mm x 1220mm	3-25M	3-25M	10M @ 406mm O/C	2-10M @ MID-HT	2/S4.0

NOTES:

- SEE PLAN FOR ADDITIONAL REINFORCEMENT.
- T/O CONCRETE UPSTAND AND GRADE BEAM MARKED "GB-4". ELEV. = 100 000mm.
- SEE DRAWING SECTIONS 3/S4.0 AND 4/S4.0 FOR CONCRETE UPSTAND REINFORCEMENTS.
- PROVIDE 152mm VOID BELOW GRADE BEAMS TYP.
- VOID TO BE CARDBOARD OR LOW-DENSITY EXPANDED POLYSTYRENE PRODUCT.
- VOIDFORM MATERIAL THICKNESS WILL VARY DEPENDING ON TYPE USED. RESULTING VOID MUST BE MINIMUM 150mm.
- CONTRACTOR TO SUBMIT PROPOSED VOID PRODUCT SPECIFICATIONS TO TOWER ENGINEERING FOR REVIEW AND APPROVAL PRIOR TO PLACEMENT.

PILE CUTOFF SCHEDULE	
ELEVATION MARK	T/O PILE ELEVATION
E1	29261 mm
E2	29439 mm

PRECAST PILE SCHEDULE		
MARK	PILE SIZE	ULS DESIGN CAPACITY
P1	305mm HEX	667 kN
P2	356mm HEX	934 kN

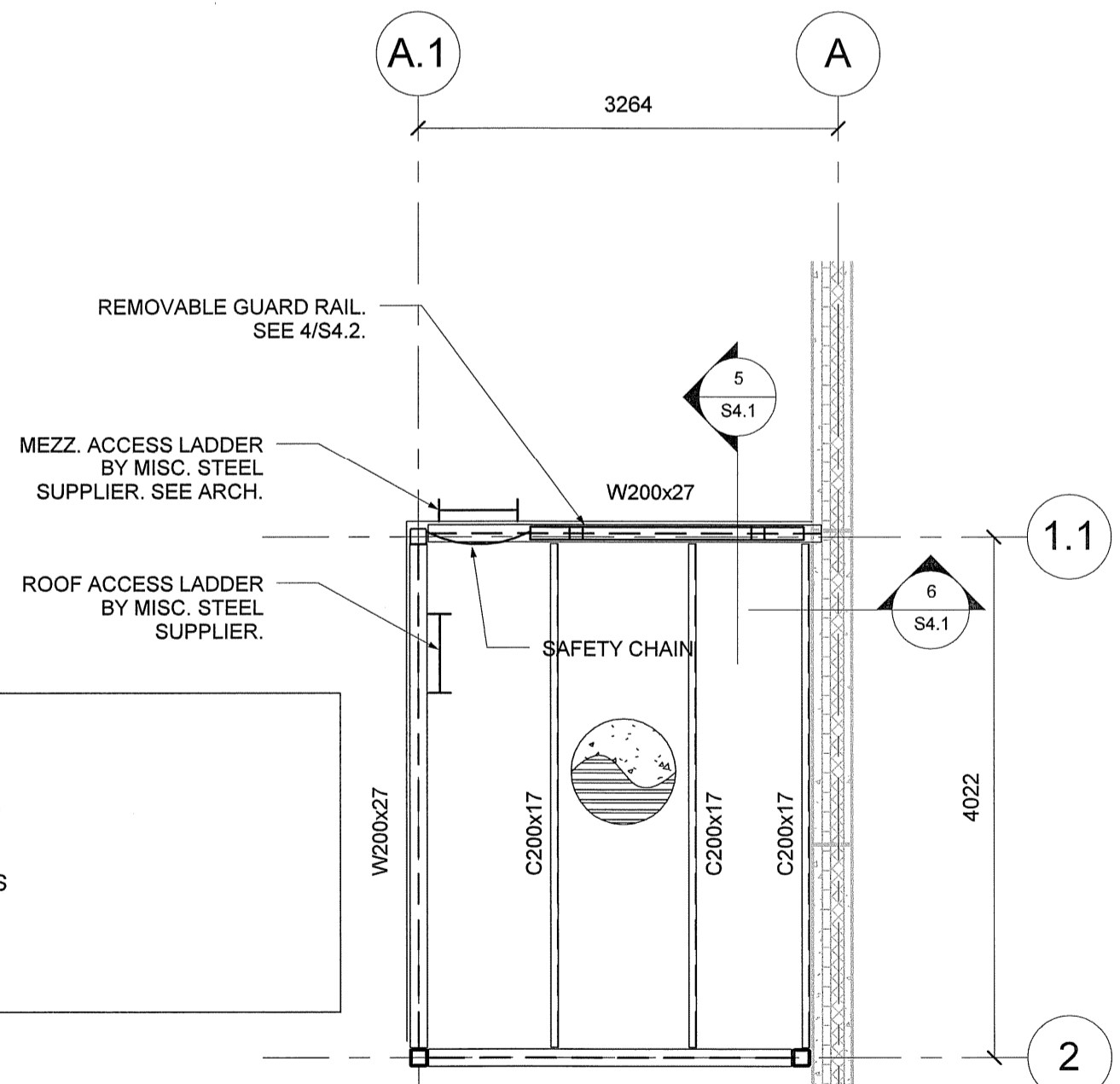
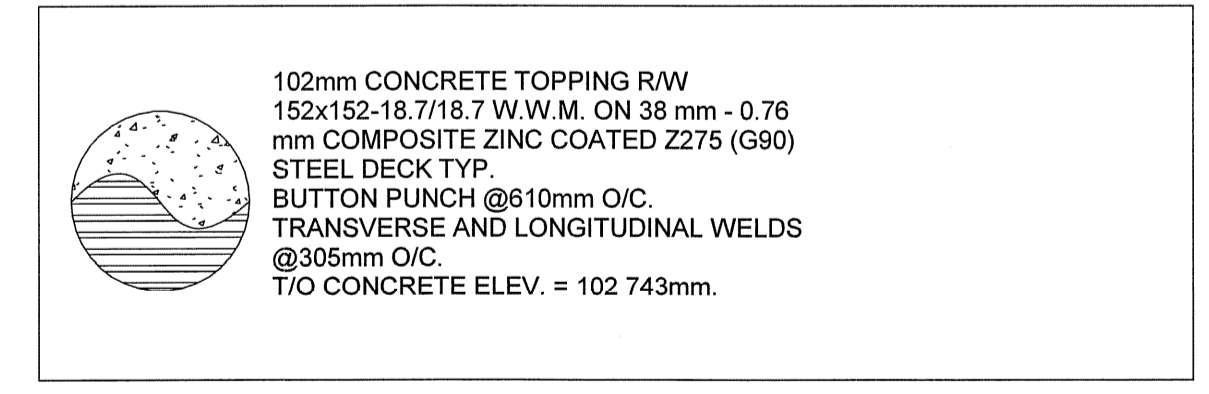
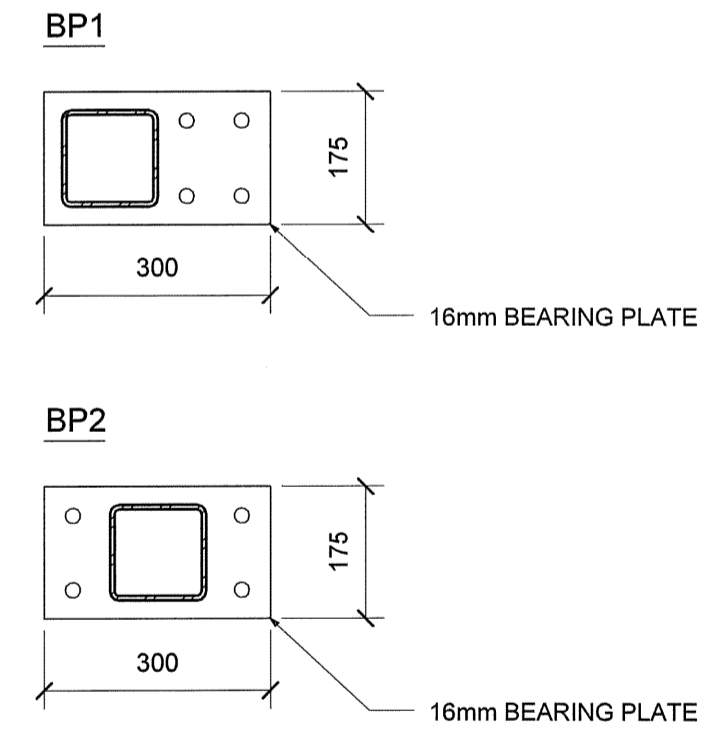
NOTES:

- REFER TO GEOTECHNICAL REPORT FOR INSTALLATION AND REFUSAL INSTRUCTIONS. PILE INSTALLATION SHALL BE REVIEWED BY A QUALIFIED GEOTECHNICAL ENGINEER REGISTERED IN THE PROVINCE OF MANITOBA TO CONFIRM THAT DRIVING ENERGY AND PILE REFUSAL ARE WITHIN GEOTECHNICAL REPORT DESIGN ASSUMPTIONS.
- REFER TO PLAN AND PILE CUT OFF SCHEDULE FOR T/O PILE ELEVATIONS.
- PILE CAPACITIES LISTED REPRESENT FACTORED GEOTECHNICAL RESISTANCE VALUES USING ULS DESIGN AND PHILOSOPHY AND PH1=0.6.

HOLLOWCORE SCHEDULE			
MARK	DEPTH	LIVE LOAD	DEAD LOAD
1	203mm	4.8 kPa	3.1 kPa H/C, 3.4 kPa SUPER IMPOSED DL

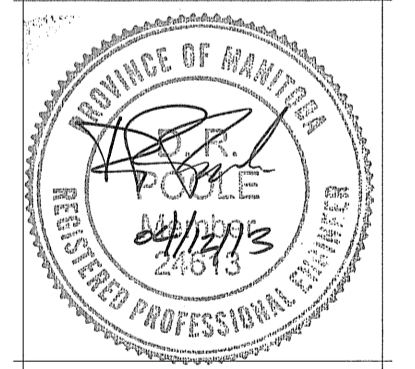
NOTES:

- SUPERIMPOSED DEAD LOAD INCLUDES TOPPING, PARTITION, MECHANICAL, ELECTRICAL, AND FLOOR FINISH ALLOWANCES.
- HOLLOW-CORE SURFACE TO HAVE A BROOM FINISH SURFACE.
- ALL HOLLOW-CORE TO HAVE MIN. 76mm CONCRETE TOPPING R/W 152x152-18.7/18.7 W.W.M. TYP. U.N.O.
- COORDINATE WITH ARCH., MECH., AND ELEC. FOR SIZE AND LOCATION OF ALL FLOOR OPENINGS.
- MIN. TOPPING THICKNESS SPECIFIED IS AT HOLLOWCORE BEARING AND WILL DECREASE WITH SLAB CAMBER.



2 MECH. CATWALK PLAN
1:50

DESIGN LOADS	
SERVICE LIVE LOAD	3.6 kPa
SERVICE DEAD LOAD	2.4 kPa



Winnipeg
THE CITY OF WINNIPEG PLANNING, PROPERTY AND DEVELOPMENT DEPARTMENT
MUNICIPAL ACCOMMODATIONS DIVISION
4TH FLOOR - 185 KING STREET
R3B 1J1

Project:
MAYFAIR RECREATION CENTRE
40 MAYFAIR PLACE

Project Number: 2011-112
Bid Opportunity Number: 556-2012

Drawing Title:
FDTN, MAIN FLOOR, & MECH. CATWALK PLAN

#	Issue/Revision	Date
1	66% REVIEW	AUG 16 2012
2	66% REVIEW RESGUE	NOV 28 2012
3	99% REVIEW	MAR 06 2013
4	ISSUED FOR TENDER	APR 12 2013

Sheet No: **S2.0**

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