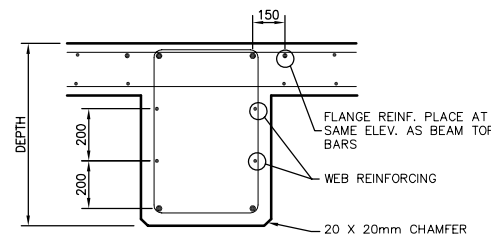
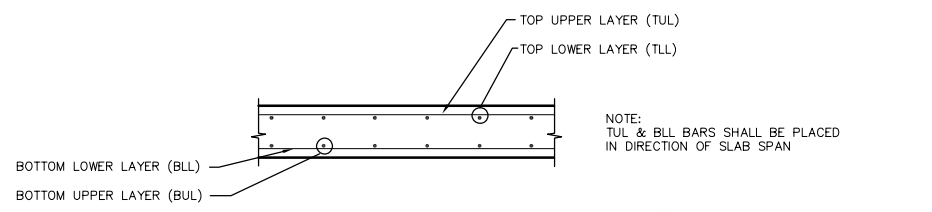


CONCRETE BEAM SCHEDULE – FERMENTERS							
MARK	WIDTH	DEPTH	REINFORCING			STIRRUPS	REMARKS
			TOP	FLANGE	WEB		
CB-201	300	700	3-25M	1-20M E.S.	2-15M E.F.	2-25M	10M @ 300 o/c
CB-202	300	700	3-25M	1-20M E.S.	2-15M E.F.	3-25M	10M @ 300 o/c
CB-203	500	700	4-25M	1-20M E.S.	2-15M E.F.	4-25M	10M @ 300 o/c
CB-204	500	700	4-25M	1-20M E.S.	2-15M E.F.	4-30M	10M @ 300 o/c
CB-205	500	700	4-30M	1-20M E.S.	2-15M E.F.	4-25M	10M @ 300 o/c
CB-206	300	700	2-25M	1-20M E.S.	2-15M E.F.	2-25M	10M @ 300 o/c
CB-207	300	700	2-25M	1-20M	2-15M E.F.	2-25M 1-30M	10M @ 300 o/c
CB-208	200	500	2-15M	1-15M E.S.	-	2-15M	10M @ 300 o/c



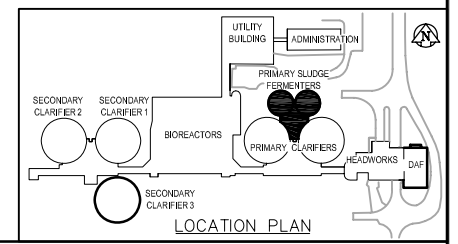
CONCRETE BEAM REINFORCING DETAIL

CONCRETE SLAB SCHEDULE – FERMENTERS				
MARK	DEPTH	REINFORCING		REMARKS
		TOP	BOTTOM	
SL-201	200	15M @ 300 O.C. E.W.	15M @ 300 O.C. E.W.	SEE PLAN
SL-202	300	15M @ 300 O.C. E.W.	15M @ 300 O.C. E.W.	



CONCRETE ROOF SLAB DETAIL

- KEYNOTES:
- ① 3-15M @ 300 BLL EXTRA
 - ② 2-15M X 2000 @ 100 BUL EXTRA
 - ③ 2-15M X 2500 @ 100 BUL EXTRA
 - ④ 2-15M X 1200 T&B
 - ⑤ SEE STANDARD DETAILS FOR ADDITIONAL REINFORCING AND CURB AROUND OPENING.
 - ⑥ PROVIDE 15M X 750 DOWELS @ MID DEPTH OF SLAB, DRILL & EPOXY 150 INTO EXISTING CONCRETE. SEE D/FS5.01
 - ⑦ PROVIDE 25M X 1100 DOWELS TO MATCH BEAM T&B REINF. DRILL EPOXY 200 INTO EXISTING CONCRETE.
 - ⑧ 200 WIDE X 400 HIGH CONCRETE CURB.
 - ⑨ 1-350 DIA. PILE C/W CAP (SEE STANDARD DETAILS) FOR THERMAL OXIDIZER GUY WIRE. CONFIRM LOCATION AND ELEVATION WITH THERMAL OXIDIZER SUPPLIER.



ROOF FRAMING PLAN @ EL. 243.400
SCALE : 1:100

DESIGN LOADS
DL = STRUCTURE SELF WEIGHT
SDL = 1.5 kPa
LL = 6.0 kPa



B.M. ELEV.	 A Tyco International Ltd. Company		ENGINEER'S SEAL	 THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION
			ORIGINAL SIGNED BY	
DESIGNED BY	CJG	CHECKED BY	CJG	WEWPC BIOLOGICAL NUTRIENT REMOVAL UPGRADE CONTRACT No. 3
DRAWN BY	NV	APPROVED BY	JEH	
ISSUED FOR TENDER	06/04/26	DATE	2006/03/10	STRUCTURAL AREA F – PRIMARY SLUDGE FERMENTERS ROOF FRAMING PLAN
NO. REVISIONS		DATE	2006/04/26	
HORIZONTAL SCALE: AS NOTED VERTICAL SCALE:			RELEASED FOR CONSTRUCTION BY: J. VEILLEUX	CITY FILE NUMBER SHEET OF CITY DRAWING NUMBER
HOR. SCALE: AS NOTED VERTICAL SCALE:			CONSULTANT DRAWING NO. FS2.05	