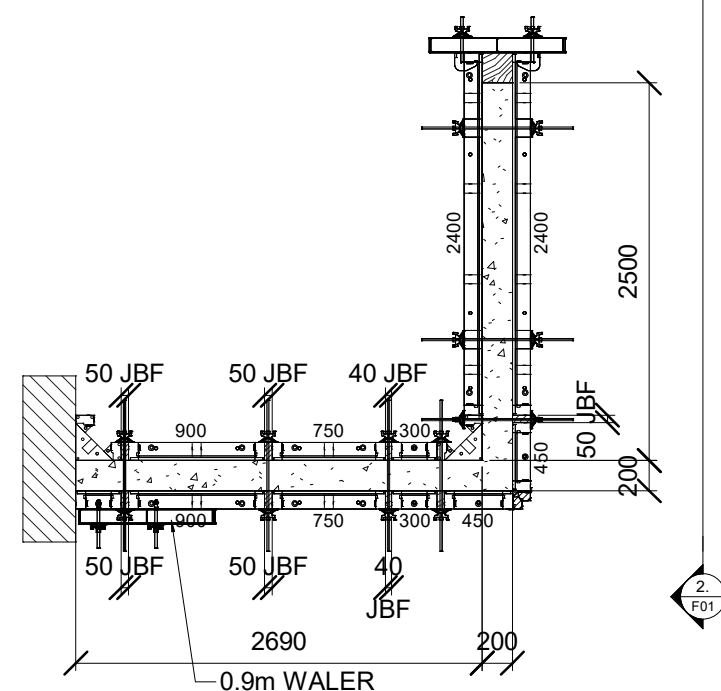
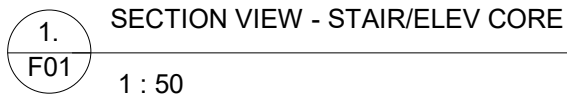
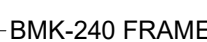
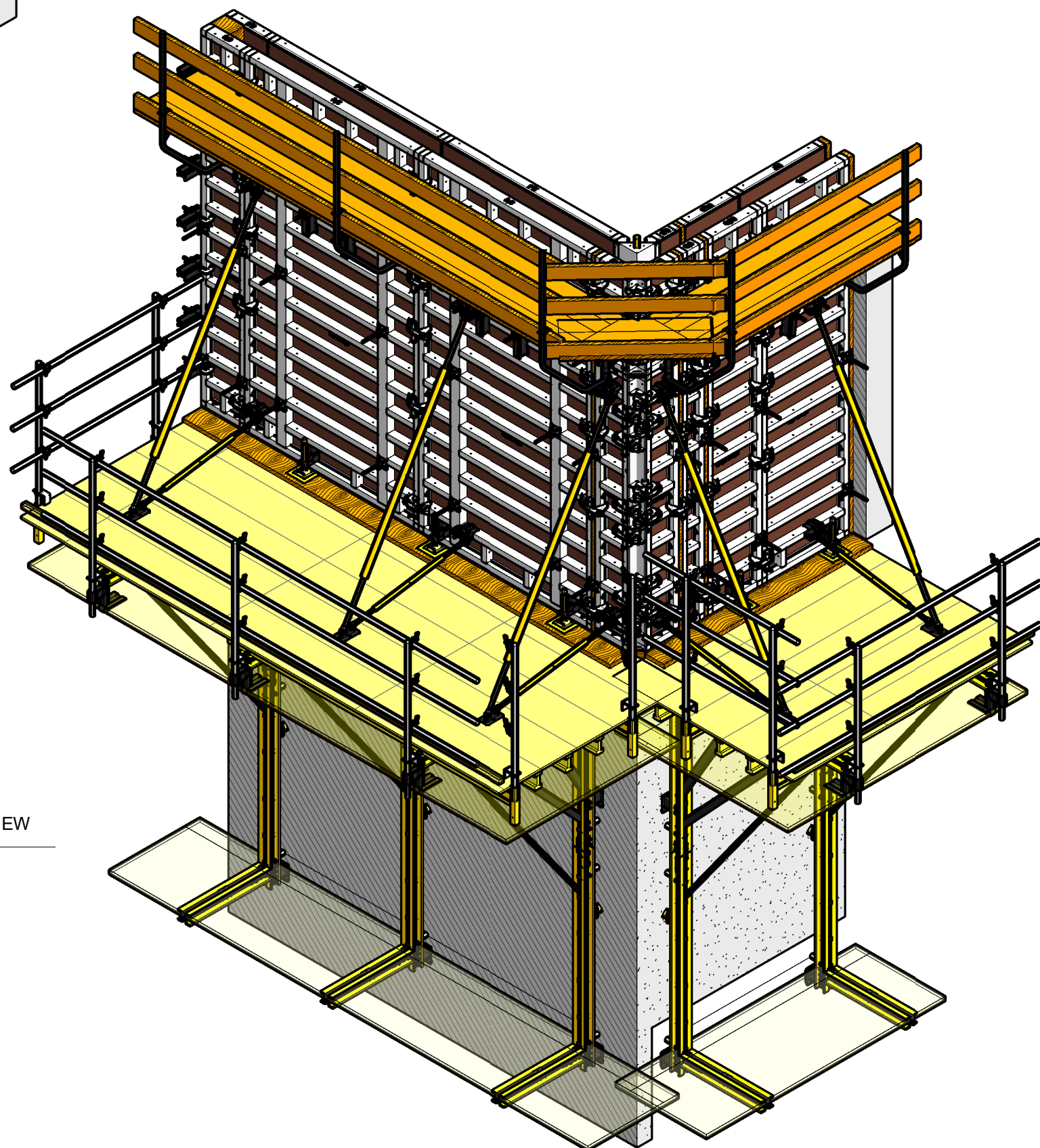
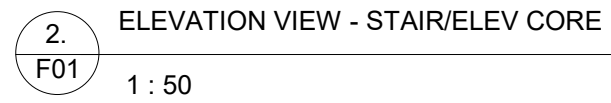




1 : 50



1 : 50

CONTRACTOR NOT TO EXCEED POUR HEIGHTS
PRODUCING LATERAL PRESSURE GREATER THAN THE
DESIGN PRESSURE STATED ABOVE

LEGEND - FORMING

B/O = BOX OUT (BY CONTR.)	W.B. = WALKWAY BRACKET.
F.F.F = FORMING FILL (BY CONTR.)	W = WALKER
J.B.F. = JOB BUILT FILLER (BY CONTR.)	C.F. = COMPENSATION FILLER.
I.C. = INSIDE CORNER.	U.F. = UNIVERSAL PANEL.
H.I.C = HINGED INSIDE CORNER.	T/T = TIE ROD.
H.O.C = HINGED OUTSIDE CORNER.	T/R = TAPER TIE.
R.C = RETRACTABLE INSIDE CORNER.	S.B = SHE-BOLT.
U.C = UNIVERSAL CORNER.	ST.F = STOPPING.
U.H.C = UNIVERSAL HINGED CORNER.	C.J = CONSTRUCTION JOINT.
C.T = COMPENSATION TUBE.	U.O.N. = UNLESS OTHERWISE NOTED
	O.C. = OUTSIDE CORNER.

PRELIMINARY
NOT FOR CONSTRUCTION

DATED: 2022-03-11

Rate of placement R, ft per hr	Concrete temperature during placement, degrees F																
	90°F			80°F			70°F			60°F			50°F			40°F	
1	663	250	728	263	810	279	920	300	1074	330	1305	375					
2	694	350	763	375	850	407	967	450	1130	510	1375	600					
3	726	450	798	488	890	536	1013	600	1186	690	1445	825					
4	757	550	833	600	930	664	1060	750	1242	870	1515	1050					
5	788	650	868	713	970	793	1107	900	1298	1050	1585	1275					
6	819	750	903	825	1010	921	1153	1050	1354	1230	1655	1500					
7	850		938		1050		1200		1410		1725						
8	881		973		1090		1247		1466		1795						
9	912		1008		1130		1293		1522		1865						
10	943		1043		1170		1340		1578		1935						
11	974		1078		1210		1387		1634		2005						
12	1006		1113		1250		1433		1690		2075						
13	1037		1148		1290		1480		1746		2145						
14	1068		1183		1330		1527		1802		2215						
15	1099		1218		1370		1573		1858		2285						

Table 2. CO-EFFICIENTS TO BE USED IN PRESSURE EQUATIONS

CHEMISTRY COEFFICIENT, C _c	
Types I, II, and III cement without retarders	1.0
Types I, II, and III cement with a retarder	1.2
Other types or blends without retarders containing less than 70% slag or less than 40% fly ash	1.2
Other types or blends with a retarder containing less than 70% slag or less than 40% fly ash	1.4
Blends containing more than 70% slag or 40% fly ash	1.4
UNIT WEIGHT COEFFICIENT, C _w	
Concrete weighing less than 140 C _w = 0.5 (1+w/145) but not less than 0.80	
Concrete weighing 140 to 150 pcf C _w = 1.0	
Concrete weighing more than C _w = w/145	

REVISIONS			
NO.	DATE	DETAILS	BY:
--	--	--	--

CUSTOMER: JMS FORMING LTD			
PROJECT: ANX CONDOS			
ADDRESS: 344 DUPONT, TORONTO, ON			
TITLE: ORMA CORE & BMK			
 ULMA ULMA CONSTRUCTION SYSTEMS CANADA	DRAWN: JOB NO.:		SHEET NO. F01
	AM K173206 10/24/22		
	CHKD: DWG. STATUS:		
VS		PRELIMINARY	

F01

IT IS OUR SUGGESTED LAYOUT AND IS NOT TO BE MISUSED OR COPIED IN ANY WAY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS BEFORE CONSTRUCTION. WOOD FRAMING, JOG BUILT FILLERS, BOX-OUTS AND OTHERS ARE NOT TO BE CONSIDERED PART OF THE CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR THE FABRICATION, PLACEMENT AND STRUCTURAL INTEGRITY OF EACH ITEM, UNLESS PROPOSAL STATES OTHERWISE. ULMA CONSTRUCTION SYSTEMS CANADA INC DOES NOT FURNISH WOOD, BOLT TEMPLATES, EMBEDDED ITEMS, ANCHORS OR WOOD FOR AFFOLDS AND HANDRAILS AS PART OF THE CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR THE SUPPLY OF ALL RENTAL. THE LESSEE WILL BE CHARGED FOR REPAIR WORK ON EQUIPMENT THAT IS REGARDED AS BEING DAMAGED BEYOND ORDINARY WEAR AND TEAR. THE COST OF REPAIRING FRAMES MATERIAL WILL BE CHARGED TO THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF THE FRAMES IN THE ERECTION, DISMANTLING OR USE OF THE EQUIPMENT. SEE FORMING AND SHORING GENERAL SAFETY RULES AND SYSTEM USER GUIDES.

1. ULMA CONSTRUCTION SYSTEMS CANADA INC. IS NOT RESPONSIBLE FOR THE STABILITY AND STRUCTURAL INTEGRITY OF THE EXISTING STRUCTURE BEFORE, DURING AND AFTER CONSTRUCTION.

2. CONTRACTOR NOT TO EXCEED FOUR (4) METERS PRODUCING LATERAL PRESSURE GREATER THAN THE DESIGN PRESSURE STATED.

3. CONTRACTOR TO VERIFY THAT ALL UNUSED HOLES ARE FITTED WITH ADEQUATE PLASTIC PLUGS.

4. CONTRACTOR TO ADEQUATELY BRACE AND WALE ALL UNITED JOINTS AND UNBALANCED LOADING CONDITIONS TO PREVENT FORM MOVEMENT.

5. ERECTION OF SHORING SHALL BE DONE IN SUCH A MANNER AS TO MAINTAIN THE EXISTING LATERAL PRESSURE.

6. ALL SHORING AND FORMING INSTALLATIONS SHALL REQUIRE A LAYOUT, WHICH WILL BE AVAILABLE AND USED ON THE JOBSITE AT ALL TIMES.

7. ADEQUATE SILLS SHALL BE SUPPLIED BY CONTRACTOR, CAPABLE OF CARRYING THE MAXIMUM IMPOSED LOAD WITHOUT SETTLEMENT OR DISPLACEMENT AND WITH AN ADEQUATE CHANGING OF THE TOP SURFACE OF THE SHORING.

8. WHEN SHORING FROM SOIL, THE CONTRACTORS STRUCTURAL ENGINEER SHALL VERIFY THAT SOILS AND SILLS ARE ADEQUATE TO SUPPORT THE IMPOSED LOADS.

9. ERECTED SHORING EQUIPMENT SHALL BE INSPECTED BY THE CONTRACTOR TO VERIFY THAT IT IS CONFORMING TO THE SHORING LAYOUT PRIOR TO POUR.

10. SHORING EQUIPMENT SHALL ALSO BE INSPECTED DURING POUR AND AFTER POUR, UNTIL CONCRETE IS SET.

11. DO NOT EXCEED THE SHORING TOWER AND/OR POST SHORES SPACING, SCREW LEG EXTENSION OR TOWER HEIGHTS AS SHOWN ON SHORING LAYOUT.

12. ALL SHORING EQUIPMENT SHALL BE PLUMB IN BOTH DIRECTIONS. SHORING IS NOT DESIGNED TO RESIST LATERAL FORCES. CONTRACTOR SHALL STABILIZE WITH ADEQUATE BRACING THE SHORING STRUCTURE AGAINST ALL SUCH FORCES DURING CONSTRUCTION.

11. TOWER MUST BE BRACED FOR STABILITY DURING ERECTION AND DISMANTLING AT FOUR TIMES THE MINIMUM BASE DIMENSION.
GUARDRAIL SYSTEMS ARE REQUIRED BY COHS AND OTHER GOVERNMENTAL AGENCIES ON THE OPEN SIDES OF FORM WORK DECKS. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN, SUPPLY AND INSTALLATION OF THESE GUARDRAIL SYSTEMS TO MEET THE ABOVE REGULATIONS.

13. LOADED SHORING EQUIPMENT SHALL NOT BE RELEASED OR REMOVED UNTIL THE SUPPORTED CONCRETE IS SUFFICIENTLY CURED AND APPROVED BY A QUALIFIED ENGINEER. RELEASE AND REMOVAL OF LOADS FROM SHORING EQUIPMENT SHALL BE SEQUENCED SO THAT THE EQUIPMENT WHICH IS STILL IN PLACE IS NOT OVERLOADED.

14. IMPOSED SHORING LOADS ARE COMPUTED AS APPLIED CONCENTRICALLY TO THEIR SUPPORT MEMBERS, WHETHER FRAME/ TOWER LEGS OR SINGLE POST SHORES.

15. TO PREVENT ECCENTRIC LOADS, STRINGERS MUST BE ALWAYS CENTERED Laterally OVER THEIR VERTICAL SUPPORT MEMBERS.

16. ALL REMAINING DESIGN AND PROCEDURES ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHOULD ALWAYS BE APPROVED BY THE RESPONSIBLE PROJECT ENGINEER.

17. CONTRACTOR IS RESPONSIBLE TO FASTEN SECURELY ALL JOIST TO STRINGERS AND TO PROPS AS NECESSARY TO PREVENT TIPPING.
NO WORKERS SHALL BE ALLOWED TO STEP ON TO THE CANTILEVERED JOIST AREA PRIOR TO ALL JOIST BEING SECURELY FASTENED.

18. UJMA IS STRICTLY A SUPPLIER OF FORMWORK AND SHORING EQUIPMENT. MEANS, METHODS, TECHNIQUES, PROCEDURES OF CONSTRUCTION, COORDINATION OF WORK WITH THAT OF ALL OTHER TRADES, REMAINS WHETHER WORK WAS PERFORMED IN A SAFE AND SATISFACTORY MANNER REGARDING ALL FORMWORK AND SHORING EQUIPMENT APPLIED BY UJMA IS THE RESPONSIBILITY OF THE CONTRACTOR AND THEIR SKILLED PERSONNEL/ENGINEERS, KNOWLEDGEABLE IN CONCRETE CONSTRUCTION, PERFORMING ALL THE LABOR, INSPECTIONS/OBSERVATIONS AND ASSUMING ALL RESPONSIBILITIES AS THE FORMWORK DESIGNER.