

GENERAL NOTES

- INSPECTION
- WITH RESPECT TO PART 2, GENERAL REQUIREMENTS, SECTION 2.6, REVIEW NATIONAL BUILDING CODE OF CANADA 2005; THIS ENGINEER HAS BEEN RETAINED TO REVIEW THE PROCESS OF CONSTRUCTION FOR THE WORK SHOWN ON THESE DRAWINGS.

CONCRETE

- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH CSA STANDARD A23.1-94 AND A23.3-94. NOTE COLD WEATHER REQUIREMENTS OF A23.1
- CONCRETE DESIGN STRENGTH SHALL BE 30 MPA AT AGE 28 DAYS FOR ALL CONCRETE.
- CEMENT SHALL BE NORMAL PORTLAND CEMENT (SYMBOL 10) IN ACCORDANCE WITH CSA STANDARD CAN/CSA-A5-93 FOR ALL CONCRETE.
- MAXIMUM SIZE COARSE AGGREGATE SHALL BE 20 MM FOR ALL CONCRETE SLUMP SHALL BE 75 MM +/- 20 MM FOR ALL CONCRETE EXCEPT WHERE NOTED OTHERWISE. CONCRETE FOR EXPOSED EXTERIOR WORK, SIDEWALKS, PAVING AND CURBS SHALL HAVE AIR ENTRAINMENT IN ACCORDANCE WITH CSA STANDARD A23.1-94.

REINFORCING STEEL

- REINFORCING STEEL BARS SHALL BE NEW BILLET STEEL BARS FOR CONCRETE REINFORCING CONFORMING TO CSA STANDARD G40.21-M82 GRADE 400, EXCEPT AS FOLLOWS: REINFORCING STEEL FOR STIRRUPS, TIES AND DOWELS TO FLOOR SLAB SHALL BE GRADE 300.
- DETAILING, FABRICATION AND PLACING OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH AGI STANDARD 315-74 EXCEPT WHERE NOTED OTHERWISE. ALL REINFORCING STEEL SHALL BE HELD IN PLACE WITH ACCESSORIES IN ACCORDANCE WITH THIS STANDARD.
- COVER TO REINFORCING STEEL SHALL BE AS FOLLOWS: SLABS - 20 MM CLEAR TOP AND BOTTOM.

STEEL SHEETING

- ROLLED FORMED METAL SHEETING FOR ROOF DECK SHALL BE SHEETING AS SPECIFIED AND MANUFACTURED FROM MATERIAL CONFORMING TO ASTM A653-94 GRADE B WITH A ZINC COATING CLASS G90.

DESIGN SPECIFICATIONS

- THE BUILDING IS DESIGNED IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA 2005.
- LIVE LOAD (OCCUPANCY): 4.8 KN/M² (100 PSF)

STRUCTURAL STEEL

- STRUCTURAL STEEL SHALL CONFORM TO CSA G40.21 "STRUCTURAL QUALITY STEELS" AND CSA G40.20 "GENERAL REQUIREMENTS FOR ROLLED OR WELDED STRUCTURAL QUALITY STEEL".
- ALL ROLLED OR STEEL STRUCTURAL SECTIONS AND PLATES SHALL BE G40.21 - 300W. ALL HOLLOW STRUCTURAL SECTIONS SHALL BE G40.21 - 350W, CLASS C.
- NO BURNING OF HOLES SHALL BE ALLOWED IN ANY STRUCTURAL STEEL.
- THE SIZE, WEIGHT AND LOCATION OF ALL SUSPENDED MECHANICAL EQUIPMENT AS WELL AS ANY OPENINGS THROUGH BEAMS SHALL BE COORDINATED WITH THE MECHANICAL SUBCONTRACTOR, APPROVED BY THE DESIGN ENGINEER AND SHALL BE SHOWN ON SHOP DRAWINGS. ALL SUPPORTS FOR MECHANICAL EQUIPMENT SHALL BE SUPPLIED BY THE EQUIPMENT SUPPLIER.
- FABRICATORS SHALL BE CERTIFIED IN ACCORDANCE WITH CSA W47.1
- ALL BOLTED CONNECTIONS SHALL USE A316 STAINLESS STEEL HIGH STRENGTH BOLTS HAVING A MINIMUM OF 2.5% MOLYBDENUM CONTENT. MINIMUM CONNECTION SHALL BE 2 BOLTS. BOLT TORQUING TO S16.1-M89.
- ALL SHOP CONNECTIONS SHALL BE WELDED. WELDING DESIGN AND PRACTICE TO CSA STANDARD W59-94, ELECTRODE CLASSIFICATION E70XX.
- THE STRUCTURAL STEEL ERECTOR SHALL BE RESPONSIBLE FOR SUPPLY AND ERECTION OF ALL TEMPORARY GUYING AND BRACING TO ENSURE STABILITY OF THE STRUCTURE AS A WHOLE. THESE SHALL REMAIN IN PLACE UNTIL ALL DECKING AND PERMANENT BRACING IS IN PLACE.

DECKING

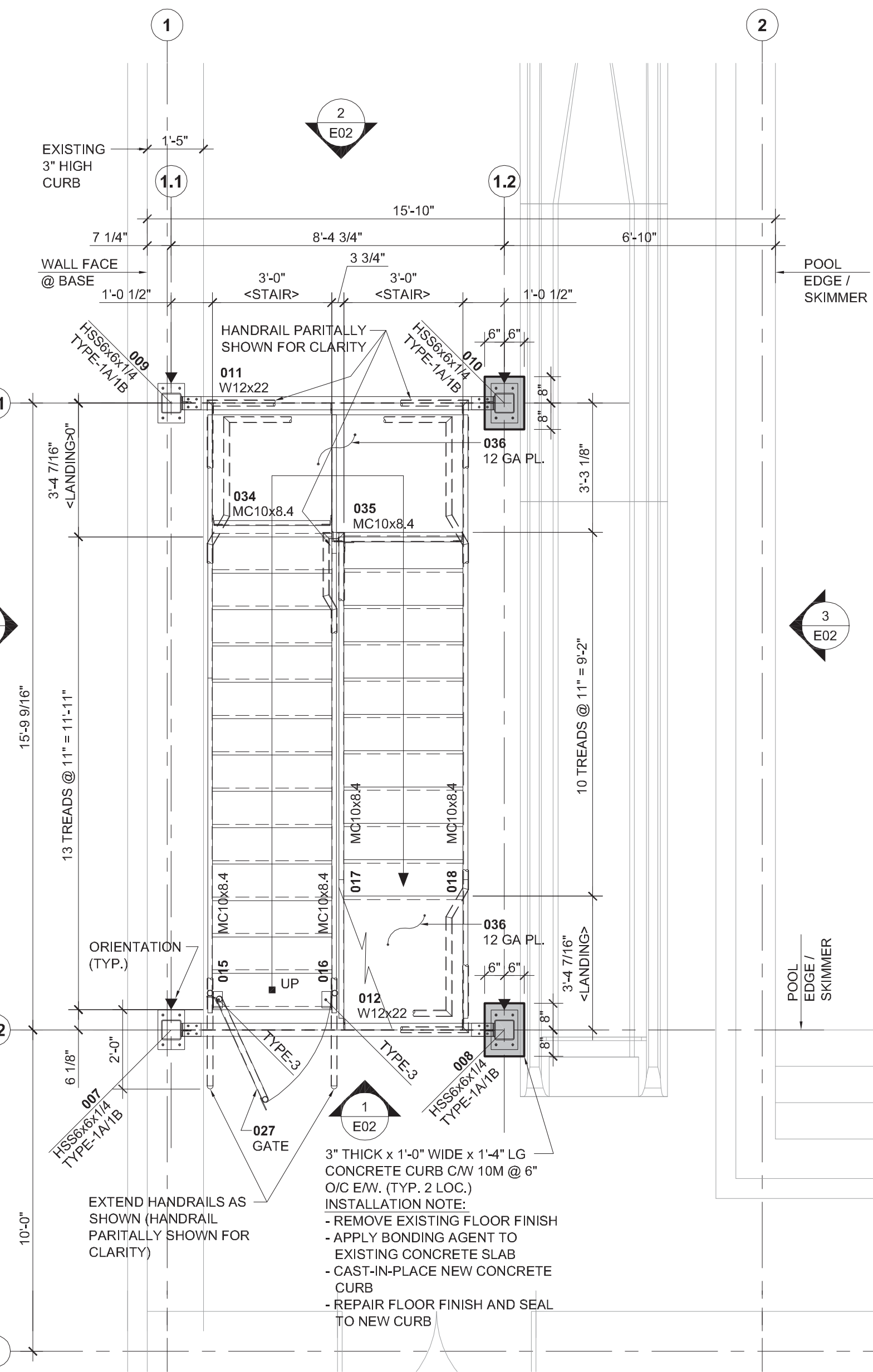
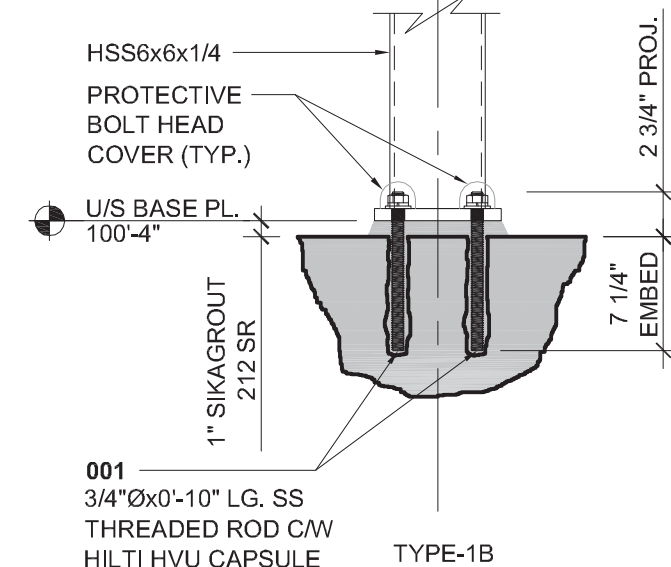
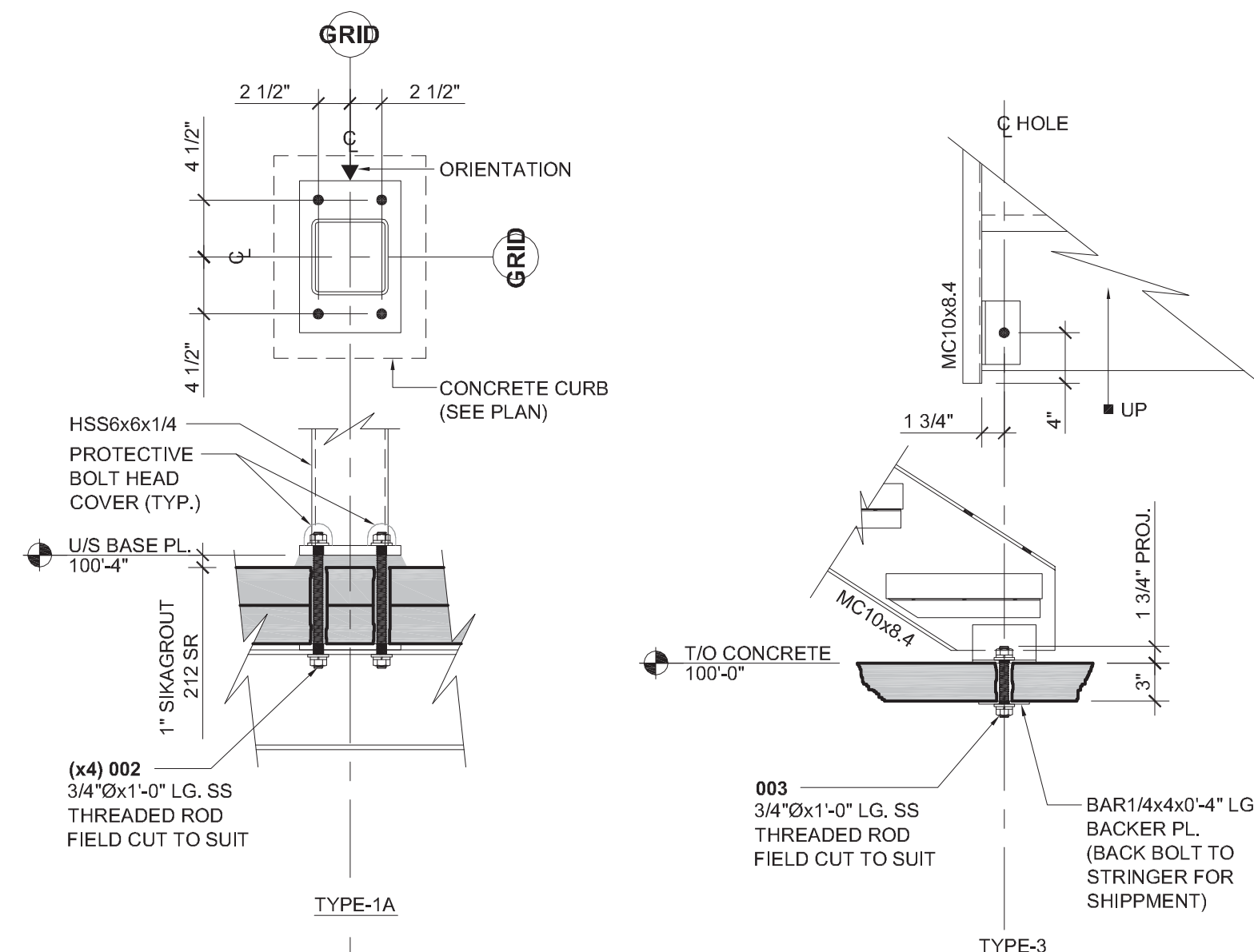
- UNLESS NOTED OTHERWISE, FLOOR DECKING SHALL BE AS SPECIFIED ON DRAWINGS. STEEL DECKING SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH ASTM SPECIFICATION A446M OR CSSB1 101M STRUCTURAL QUALITY GRADE A. MINIMUM COATING ZP275. DECKING SHALL BE FASTENED TO STRUCTURAL STEEL WITH 19 MM (3/4") DIAMETER FUSION WELDS AT 300 MM (12") ON CENTERS. SIDE LAPS SHALL BE CLINCHED AT 300 MM ON CENTERS FOR ALL EXTERIOR DECKING.

TEMPORARY BRACING

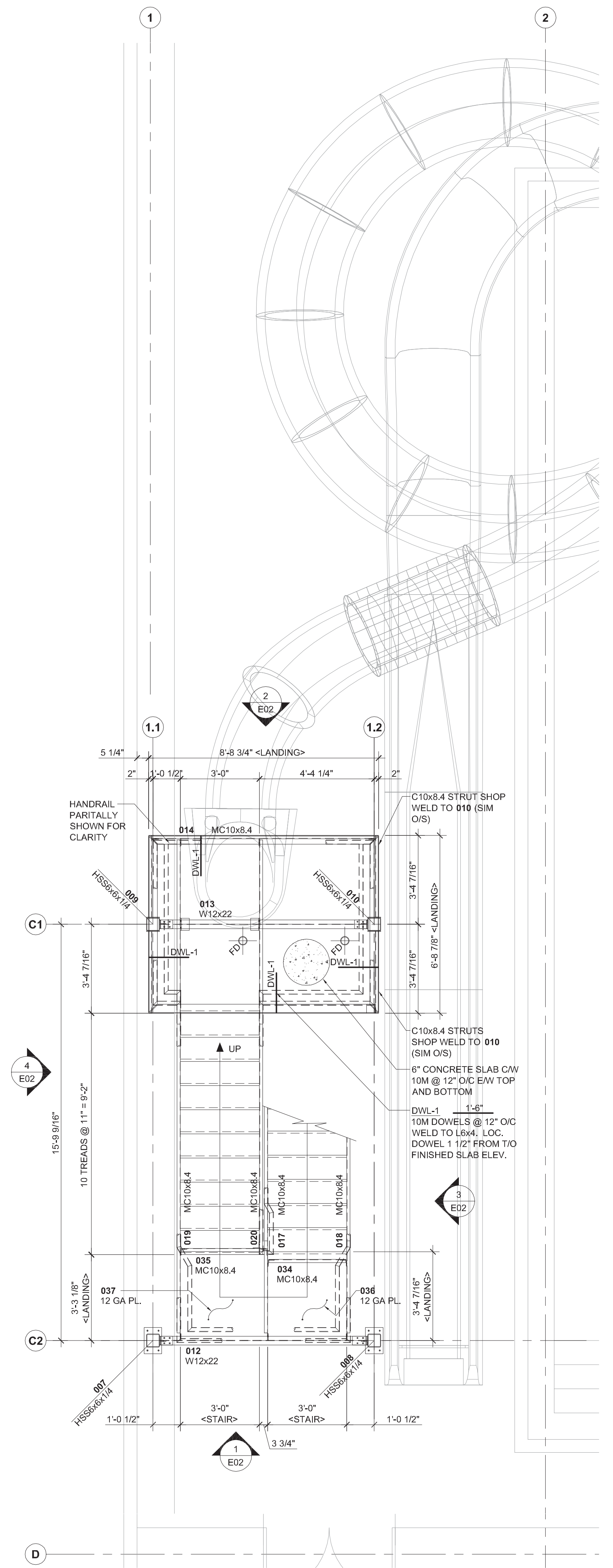
- THE STRUCTURE SHALL BE BRACED IN ALL DIRECTIONS TO SAFELY WITHSTAND ALL LATERAL FORCES WHICH MAY BE ENCOUNTERED DURING ERECTION. THE BRACING SHALL REMAIN IN PLACE UNTIL ALL PERMANENT BRACING, FRAMING AND CLADDING ARE IN PLACE.

INSTALLATION NOTE:
BASE PLATE INSTALLATION PROCEDURE:

- LAYOUT BASE PLATE LOCATIONS ON POOL DECK AS PER "PLAN#01 MAIN FLOOR PLAN".
- FIELD DRILL 131/80 x 0-7 1/4" LG. HOLES THRU EXISTING POOL DECK SLAB TO SUIT ANCHOR BOLTS.
- IF DRILLING PROTRUDES THRU THE EXISTING SLAB, NOTE HOLE LOCATION WITHIN CRAWLSPACE AND INSTALL W8x24 BEAM AND SHIM PLATE TO SUIT ANCHOR BOLT INSTALLATION "TYPE 1A OR 2A".
- IF DRILLING DOES NOT PROTRUDE THRU SLAB, INSTALL ANCHOR BOLT AS PER "TYPE 1B OR 2B".
- INSTALL REMAINDER OF W8x24 BEAMS AND SHIM PLATES TO STRADDLE THE EXISTING CONCRETE BEAMS NEAREST THE BASE PLATE LOCATIONS.



PLAN E01 MAIN FLOOR PLAN 3/8"=1'-0"



PLAN E01 TOP LANDING PLAN 3/8"=1'-0"

TRACTUSGROUP
 Tractus Group Incorporated
 70 Arthur Street, Studio 100
 Winnipeg, Manitoba, R3B 1G7
 P (204) 942-6035
 F (204) 942-6034
 E info@tractusgroup.com

THIS DRAWING MUST NOT BE SCALED.
 THIS DRAWING IS THE PROPERTY OF TRACTUS GROUP INCORPORATED AND IS TO BE USED FOR THE PROJECT BY ITS APPROVED AGENTS. DO NOT COPY OR DUPLICATE THIS DRAWING OR ITS CONTENTS WITHOUT THE WRITTEN APPROVAL OF TRACTUS GROUP INCORPORATED.
 ALL ERRORS AND OMISSIONS TO BE REPORTED TO TRACTUS GROUP INCORPORATED IMMEDIATELY.
 VARIATIONS AND MODIFICATIONS TO WORK SHOWN ON THIS DRAWING SHALL NOT BE CARRIED OUT WITHOUT PERMISSION FROM TRACTUS GROUP INCORPORATED.

APECM
 Certificate of Authorization
 Beach Rocke Engineering Ltd.
 No. 4050 Expiry: April 30, 2009

no.	description	date (m/d/y)	issued by
5	AS-BUILT	OCT/20/08	JMH
4	ISSUED FOR FABRICATION	JUL/17/08	JMH
3	ISSUED FOR CONSTRUCTION	JUN/09/08	JMH
2	REVISED TO CLOSED RISER	MAY/09/08	JMH
1	100% SUBMISSION	APR/11/08	JMH
0	75% SUBMISSION	MAR/17/08	JMH

Professional Engineer
ROCKE
 OCTOBER 20, 2008

sheet title
WATER SLIDE ACCESS STAIR FRAMING PLANS
 project title
ELMWOOD KILDONAN POOL & WATERSLIDE
 general contractor
WESTERN CREATION
 architectural consultant

design	drawn	check	approval
JMH	JMH	LC	JLR

date **MAR/10/08**
 sheet no. **E01**
 scale **NOTED**

job no. **28012-G**