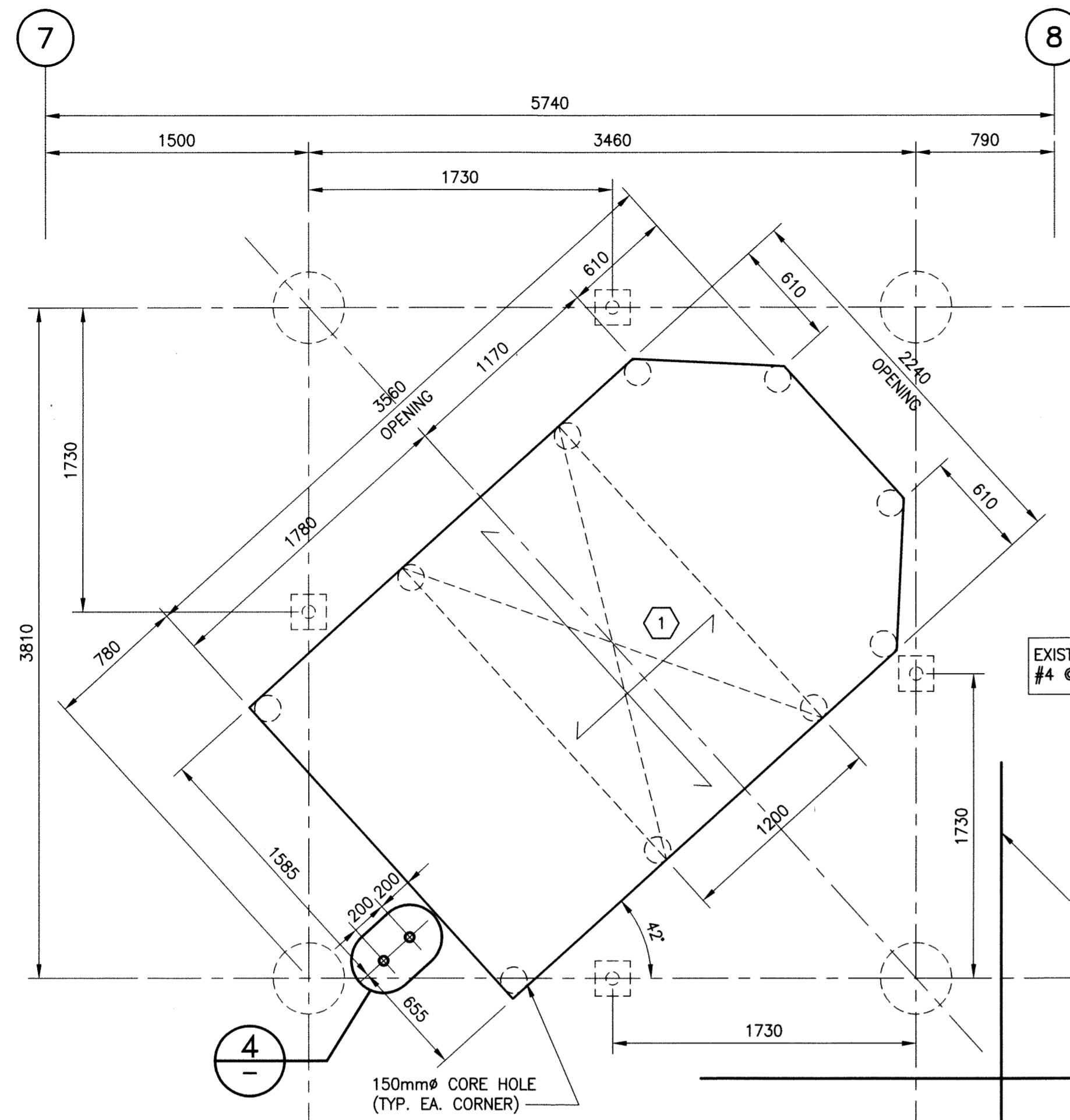
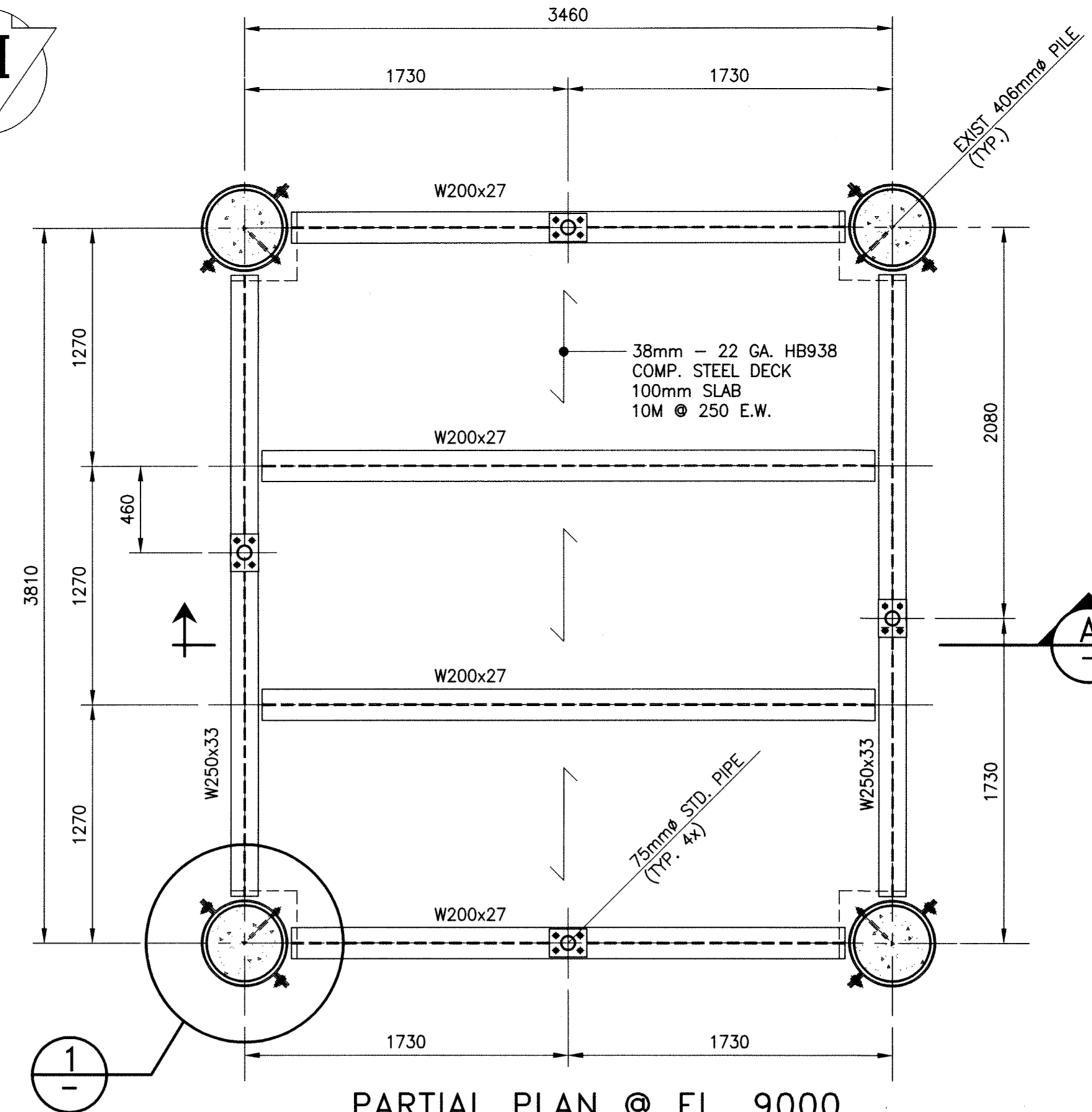


File Name: P:\Projects\2010\10-1894-01\Doc\Control\ToBeIssued\DWG\10-1894-01\_S1-Rev. 0.dwg - Tab: S01 Plotted By: D.Deroche 10/04/16 [Fri 2:33pm]  
 24 x 36 / PLOT SCALE: 1" = 10'



**PARTIAL PLAN @ EL. 10000**

SCALE: 1:50mm (24x26)  
1:100mm (11x17)



**PARTIAL PLAN @ EL. 9000**

SCALE: 1:25mm (24x26)  
1:50mm (11x17)

**STRUCTURAL & MISCELLANEOUS STEEL:**

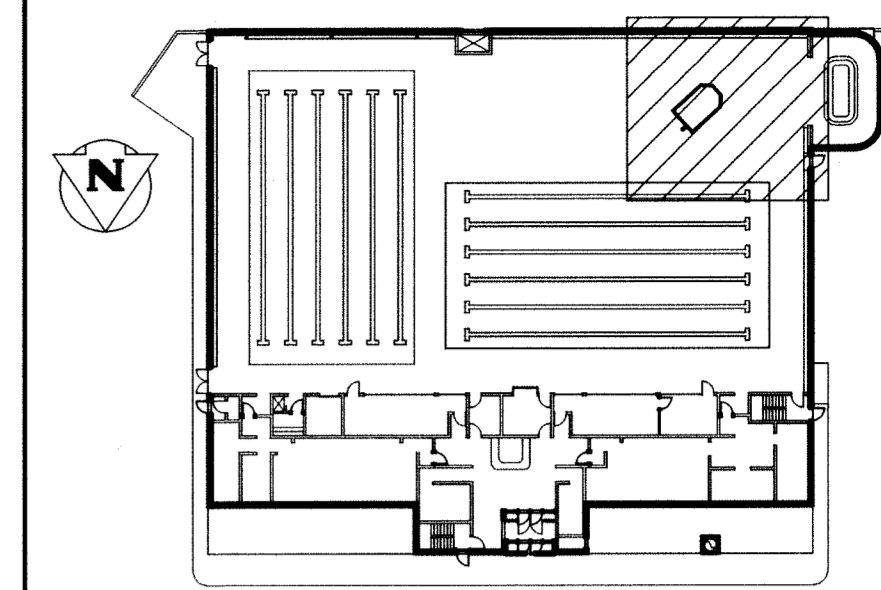
- STRUCTURAL AND MISCELLANEOUS STEEL FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH CAN/CSA-S16.1-M89.
- STRUCTURAL STEEL SHALL MEET THE REQUIREMENTS OF CAN/CSA-G40.20/G40.21-M92.  
ROLLED SHAPES & PLATES  
HSS SECTIONS  
BOLTS, NUTS & WASHERS  
WELDING ELECTRODES
- WELDING SHALL BE IN ACCORDANCE WITH CSA W59-M1989, BY WELDERS CERTIFIED AND QUALIFIED IN ACCORDANCE WITH CSA W47.1-1983. ALL WELDS TO BE 1/4" UNLESS NOTED OTHERWISE.
- FIELD CONNECTIONS SHALL BE BOLTED 3/4" DIAMETER A325 FRICTION TYPE UNLESS NOTED OTHERWISE. BOLTS SHALL BE TORQUED IN ACCORDANCE WITH CAN/CSA S16.1-M89.
- ALL STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE HOT DIP GALVANIZED.

**CONSTRUCTION SEQUENCE:**

- SAW CUT OPENING IN SLAB AS PER NOTE 1
- INSTALL STEEL FRAMING AND FOUR VERTICAL POSTS AS DETAILED
- SAW CUT REMAINING SLAB OPENING
- PLACE STEEL DECKING AND POUR CONCRETE SLAB

**NOTE:**

DRILL 150mm CORE HOLES AT ALL SAWCUT CORNERS TO ENSURE THAT THERE IS NO OVERCUTTING.



**KEYPLAN: N.T.S.**

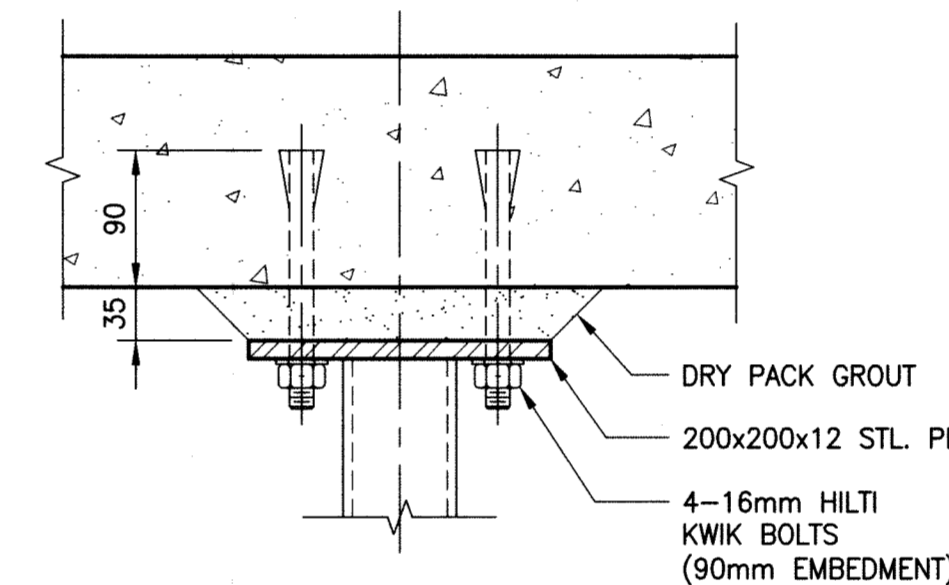
**CONCRETE:**

- CONCRETE MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH CAN/CSA-A23.1, A23.3 (LATEST). SEE BELOW FOR MIX REQUIREMENTS.
- MIX WATER SHALL BE POTABLE. CALCIUM CHLORIDE SHALL NOT BE USED.
- GROUT REINFORCING DOWELS WITH EPOXY GROUT, STERNSON TALYGROUT 100 OR EQUAL. GROUT BASE PLATES WITH STERNSON M-BED STANDARD OR EQUAL. PLACE AND CURE ALL GROUT WITHIN TEMPERATURE RANGE RECOMMENDED BY MANUFACTURER.
- PROVIDE ADEQUATE COLD/HOT WEATHER PROTECTION AS REQUIRED DURING CURING PERIOD.
- CONCRETE MIX DESIGN SHALL BE PROPORTIONED AS FOLLOWS:

SLAB	28 DAY COMP. STRENGTH	25MPa
	CEMENT	TYPE GU
	W/C RATIO	0.50
	AGGREGATE SIZE (MAX.)	20mm
	ENTRAINED AIR	4%-6%
	SLUMP (MAX.)	90mm (±10mm)

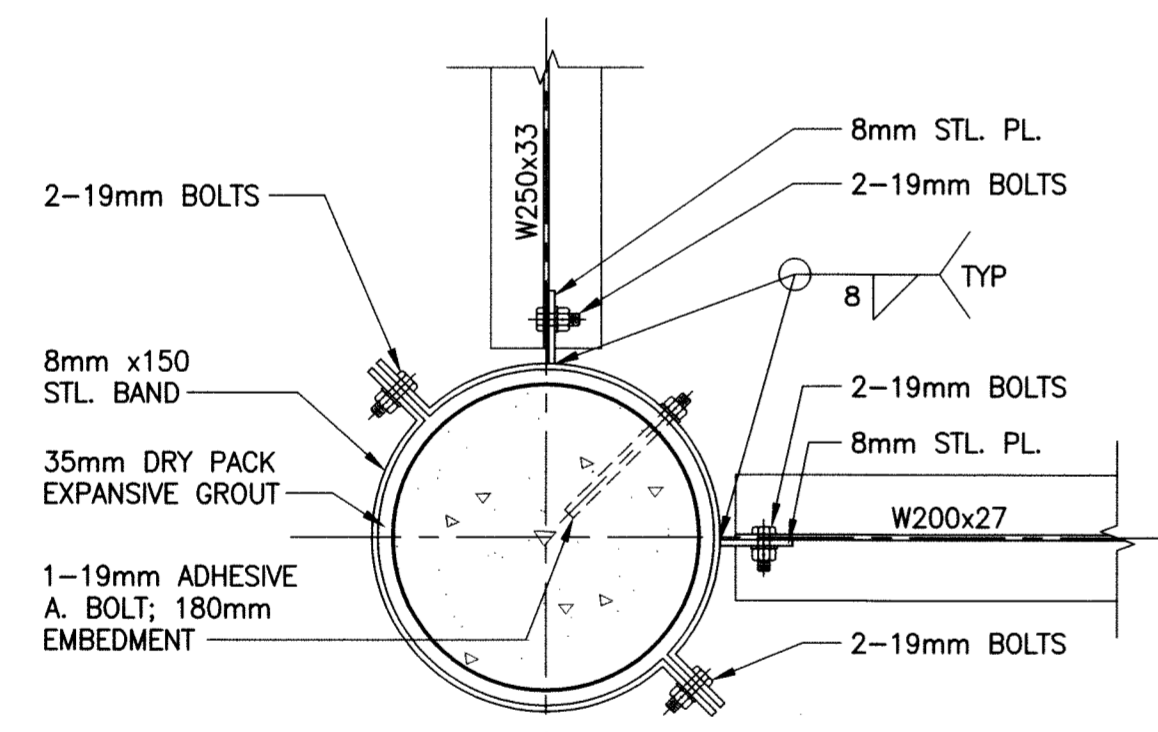
**REINFORCING STEEL:**

- REINFORCING STEEL TO BE NEW DEFORMED BILLET STEEL BARS CONFORMING TO CAN/CSA G30.18-M92. GRADES TO BE: 400 MPa FOR 15M BARS AND LARGER; 300 MPa FOR 10M BARS. ALL REINFORCING STEEL TO BE EPOXY COATED.
- SUBMIT SHOP DRAWINGS WHICH CLEARLY INDICATE BAR SIZES, SPACINGS, LOCATIONS & QUANTITIES OF REINFORCING STEEL, BENDING & CUTTING SCHEDULES, SUPPORTING & SPACING DEVICES, ETC. FOR REVIEW PRIOR TO FABRICATION. DETAIL, FABRICATE AND PLACE REINFORCING IN ACCORDANCE CSA A23.1, CSA A23.3 AND ACI 315-80 "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" EXCEPT AS NOTED. LAP STEEL 36 BAR DIAMETERS (MINIMUM) UNLESS NOTED OTHERWISE.
- REINFORCING STEEL SHALL BE CLEAN, FREE OF RUST, DIRT, LOOSE SCALE, OIL, GREASE OR ANY OTHER MATERIAL WHICH WOULD REDUCE BOND WITH THE CONCRETE.
- TIE, SUPPORT AND SPACE ALL REINFORCING STEEL WITH PROPER APPROVED DEVICES DESIGNED FOR USE IN REINFORCED CONCRETE, TO PREVENT DISPLACEMENT OF REINFORCING AND ENSURE SPECIFIED CONCRETE COVER.
- PROVIDE MINIMUM CONCRETE COVER FOR REINFORCING STEEL AS NOTED.



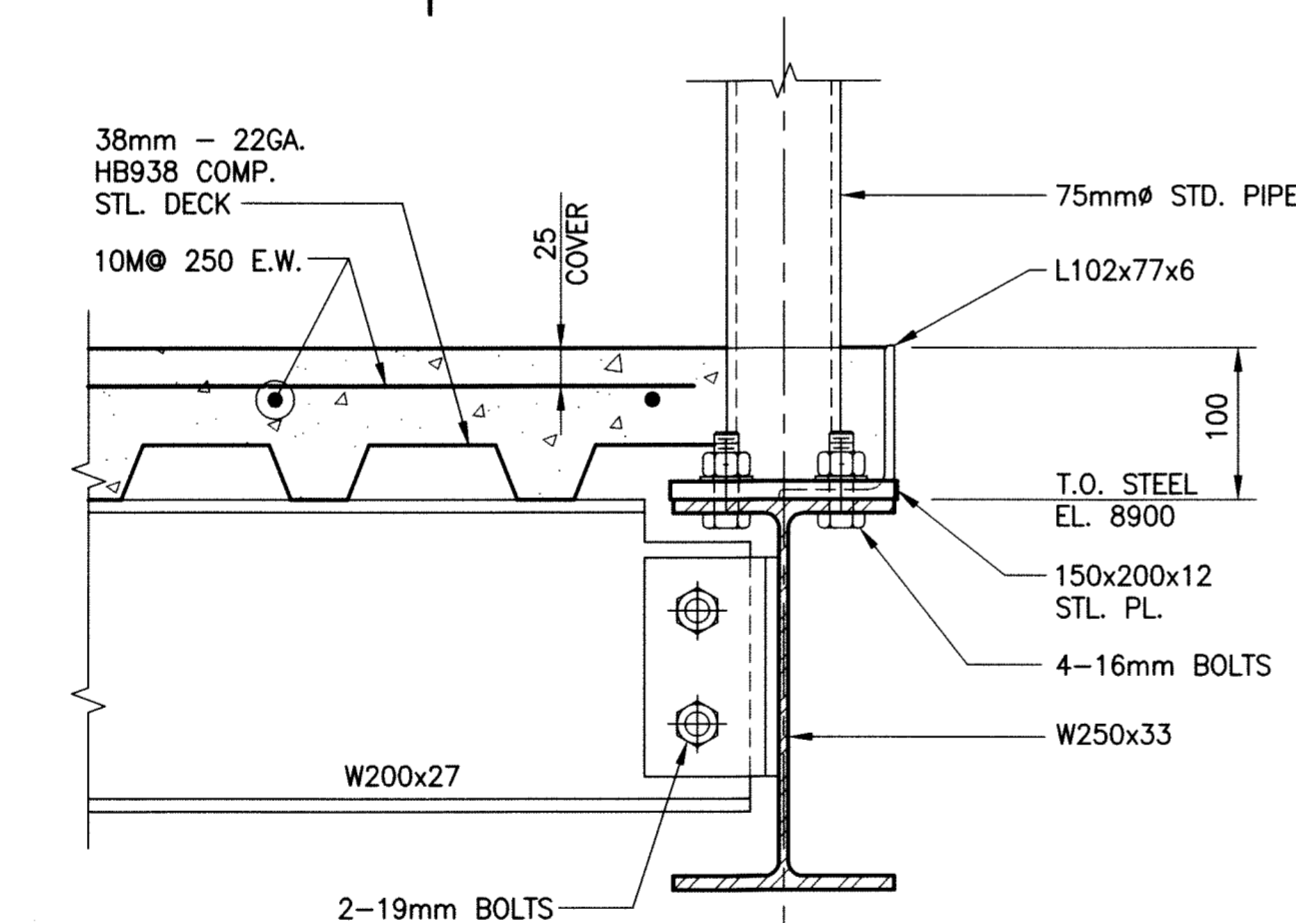
**SECTION DETAIL**

SCALE: 1:5mm (24x36)  
1:10mm (11x17)



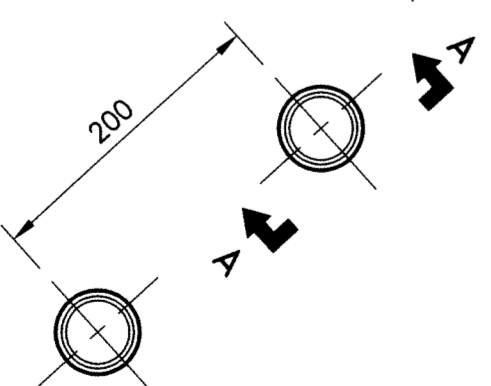
**PLAN DETAIL**

SCALE: 1:10mm (24x36)  
1:20mm (11x17)



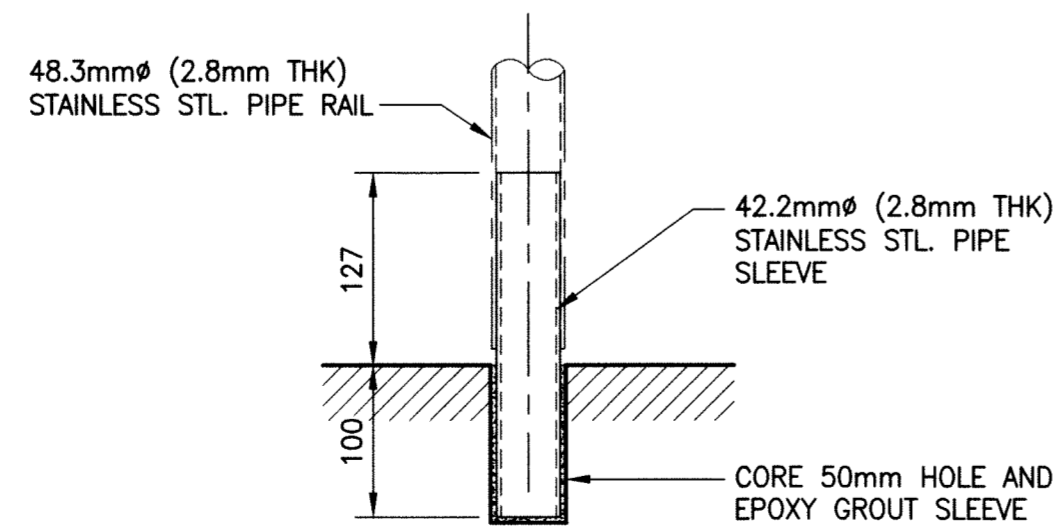
**SECTION DETAIL**

SCALE: 1:5mm (24x36)  
1:10mm (11x17)



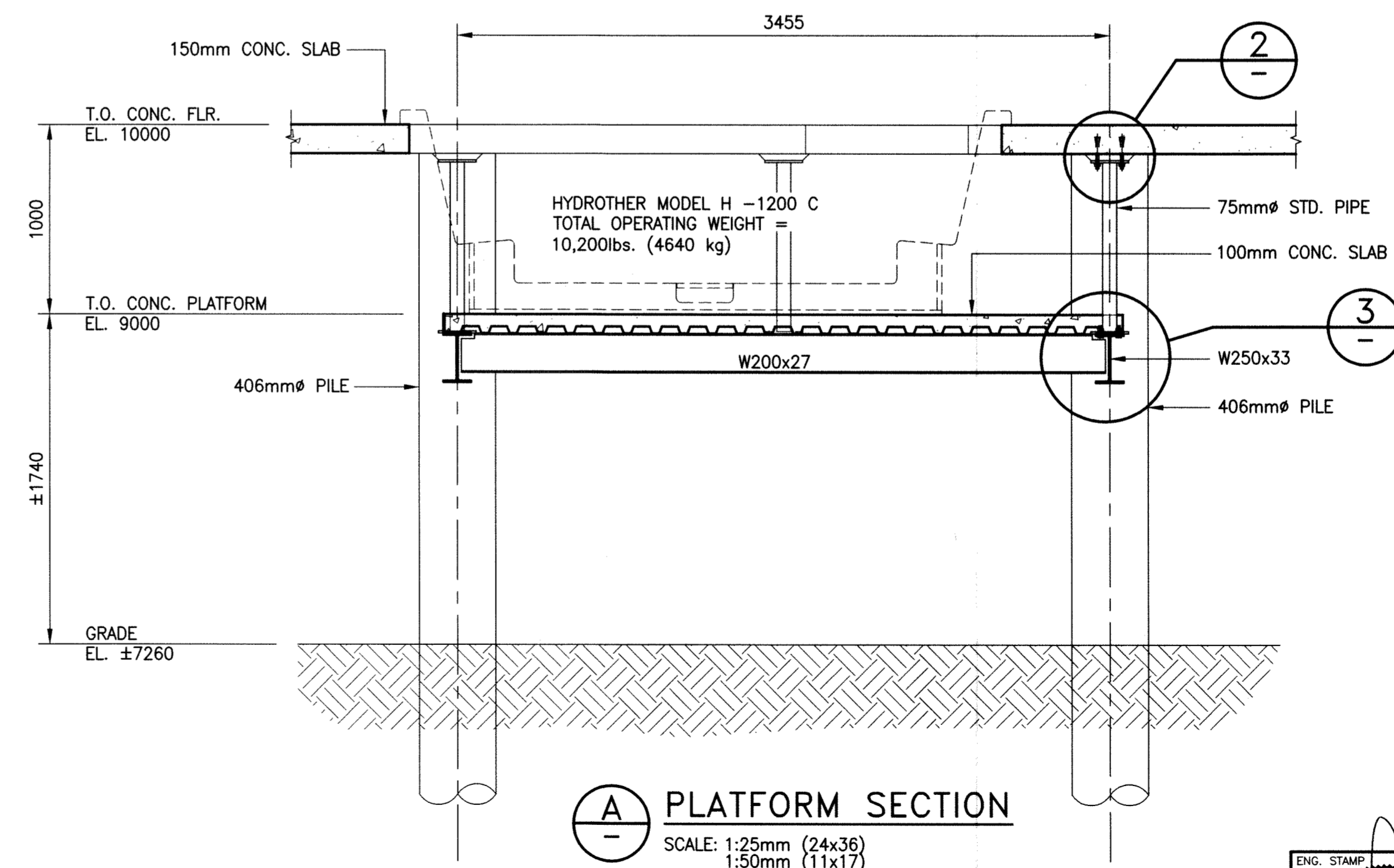
**DETAIL**

SCALE: 1:5mm (24x36)  
1:10mm (11x17)



**SECTION 'A-A'**

SCALE: 1:5mm (24x26)  
1:10mm (11x17)



**PLATFORM SECTION**

SCALE: 1:25mm (24x36)  
1:50mm (11x17)

**APEGN**  
Certificate of Authorization  
KGS Group  
No. 245 Date: 16/4/10

ENG. STAMP  
R.J. LONG  
REGISTERED PROFESSIONAL ENGINEER

0	10/04/16	ISSUED FOR TENDER	
NO.	YY/MM/DD	DESCRIPTION	BY
REVISIONS / ISSUE			

CLIENT:  
**THE CITY OF WINNIPEG**  
Winnipeg

DWG. DESCRIPTION:  
**BONIVITAL POOL PLATFORM PLAN, SECTION, & DETAILS BID OPPORTUNITY No. 214-2010**

ARCHITECT:  
**SYNSHYHN ARCHITECTURE + INTERIOR DESIGN**

<b>KGS GROUP CONSULTING ENGINEERS</b>	DESIGN BY:	RJL	DATE (YY/MM/DD):	10/02/16
	DESIGN CHECK:	JTW	DATE:	10/04/16
	DRAWN BY:	PNT	DATE:	10/02/19
	DWG CHECK:		DATE:	10/04/16
DWG. NO.:		10-1894-01	S1	0