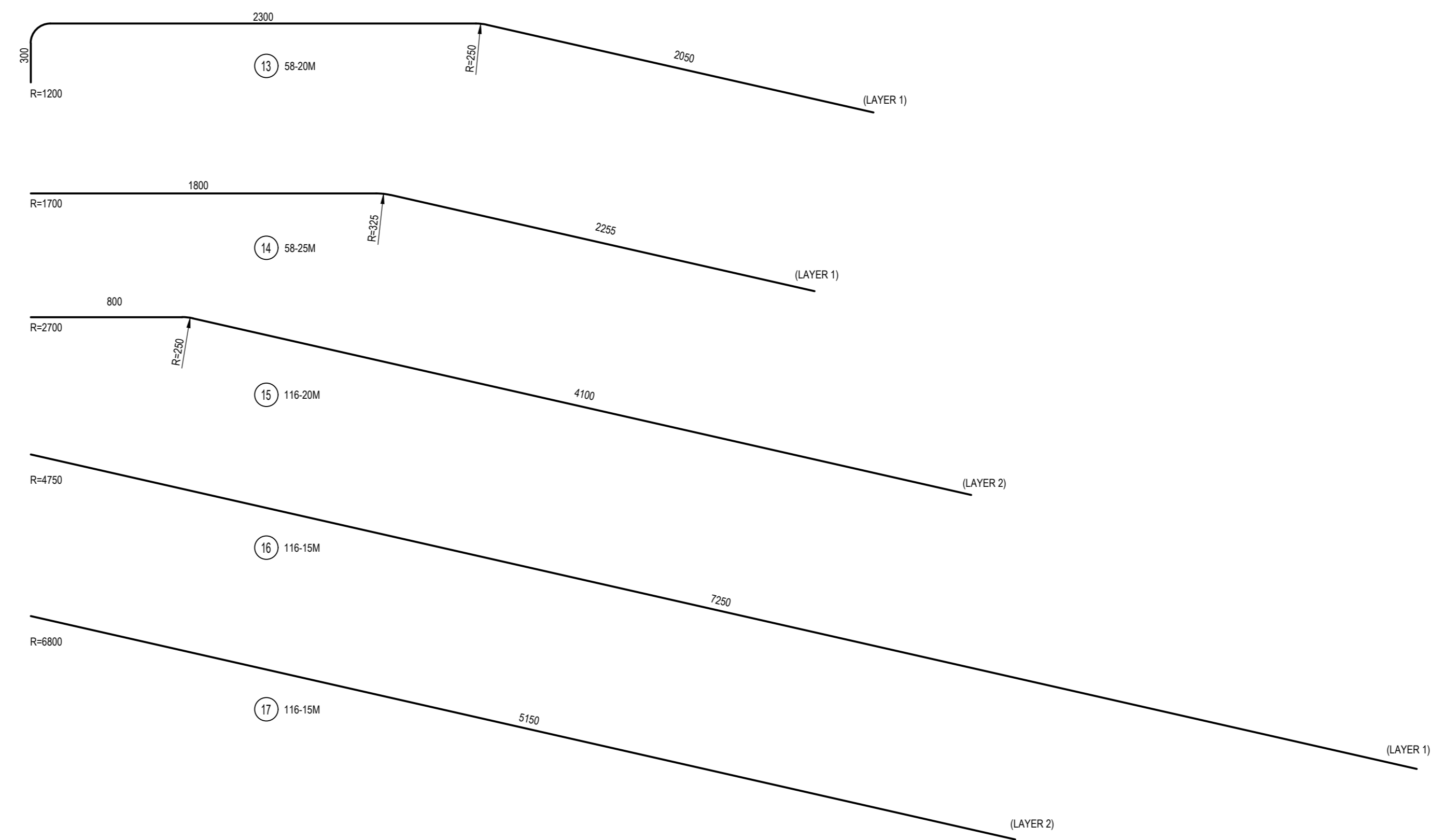
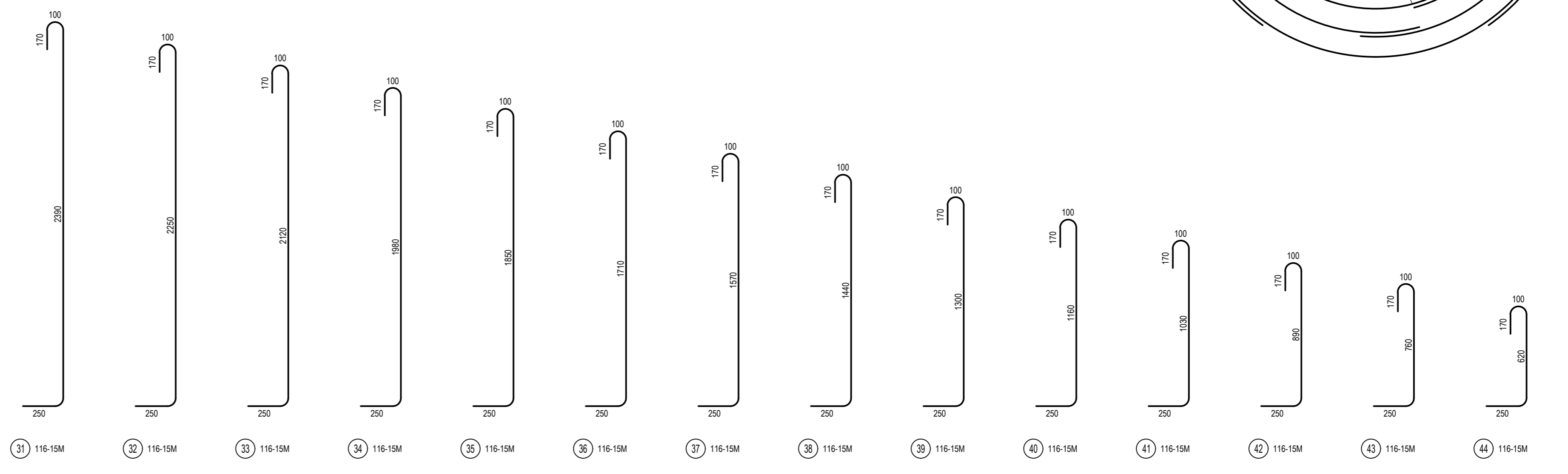
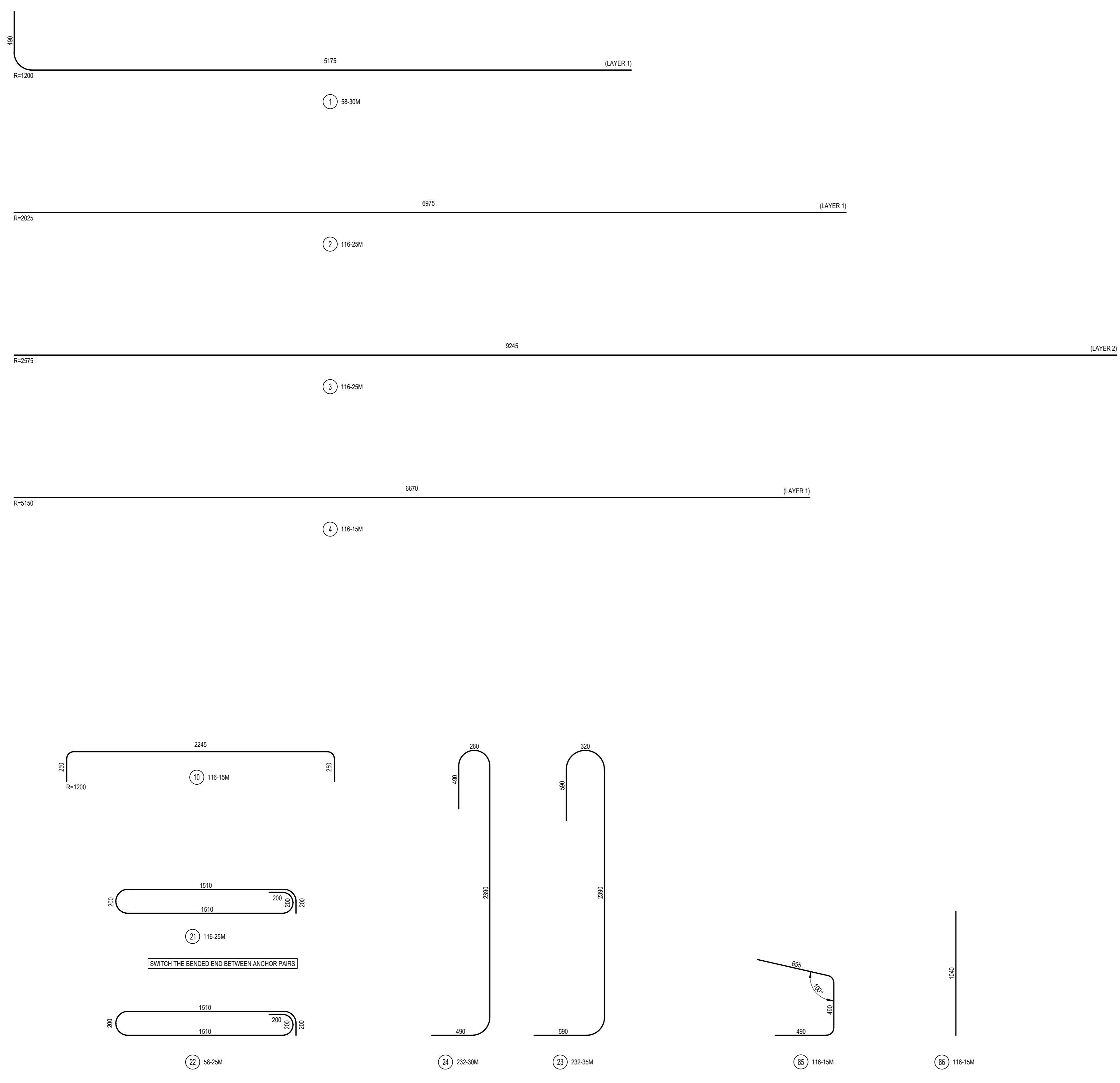


**CROSS-SECTION REINFORCEMENT**  
1:20

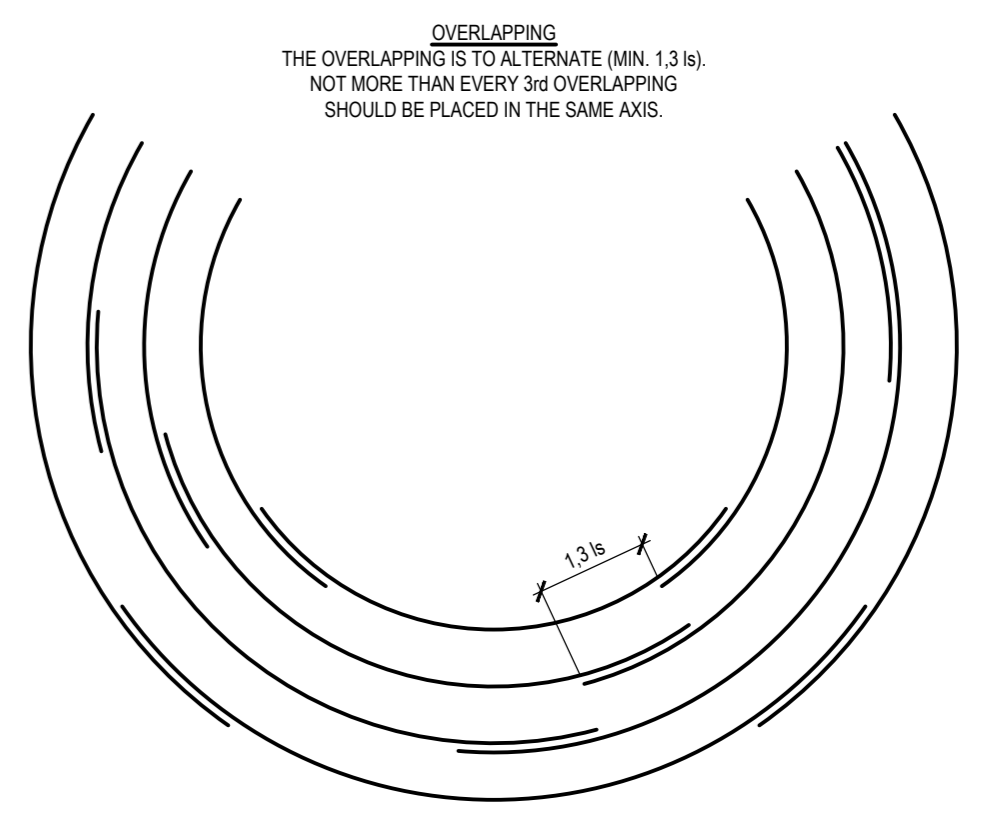


REINFORCEMENT TABLE  
fy = 500 MPa Fc = 35 MPa

BAR SIZE	LAP LENGTH CLASS B		DEVELOPMENT LENGTH		STANDARD HOOKS		
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	90° HOOK LENGTH	180° HOOK LENGTH	DEVELOPMENT LENGTH
10M	520	400	400	310	180	130	150
15M	780	600	600	460	250	170	230
20M	1030	800	800	610	300	200	300
25M	1610	1240	1240	960	400	280	370
30M	1930	1490	1490	1150	490	350	450
35M	2250	1740	1740	1340	590	430	520

REINFORCEMENT TABLE  
fy = 500 MPa Fc = 45 MPa

BAR SIZE	LAP LENGTH CLASS B		DEVELOPMENT LENGTH		STANDARD HOOKS		
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	90° HOOK LENGTH	180° HOOK LENGTH	DEVELOPMENT LENGTH
10M	460	350	350	300	160	130	150
15M	690	530	530	410	250	170	200
20M	910	700	700	540	300	200	270
25M	1420	1100	1100	840	400	280	330
30M	1710	1310	1310	1010	490	350	400
35M	1990	1530	1530	1180	590	430	460



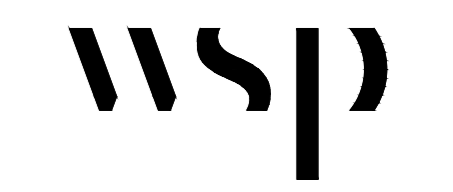
SPECIFICATIONS ACCORDING TO CAN/CSA A23.1, A23.2, A23.3

CONCRETE MAIN FOUNDATION	EXPOSURE CLASS
35 MPa	F-1
CONCRETE PRECASTALAB	45 MPa BY CSA
CONCRETE CONSTRUCTION SLAB	15 MPa
CONCRETE COVER	REINFORCEMENT STEEL
TOP 55 mm	CAN/CSA 0305-18
BOTTOM 55 mm	GRADE
SIDE 55 mm	QUANTITY (METRIC TON)
	500W

ENERCOR E-138 EP3 E2-ST-111-FB-C-01

LOAD CASE	DESCRIPTION	F <sub>1</sub> MAX (kN)	F <sub>1</sub> MIN (kN)	F <sub>2</sub> (kN)	F <sub>3</sub> (kN)	M <sub>1</sub> (kNm)	M <sub>2</sub> (kNm)
ELC D.3 (UNFACTORED)	NORMAL	-5.270	-6.005	730	66.750	0	0
ELC D.2 (UNFACTORED)	EXTREME	-5.270	-6.000	1.060	102.700	9.500	0
GROUP W/WT (UNFACTORED)	EXTREME	-5.270	-6.000	1.070	102.700	30.650	0
GROUP W/WT (FACTORED)	ABNORMAL	4.730	6.630	1.470	127.300	13.200	0
GROUP W/WT (FACTORED)	EXTREME	4.730	6.630	1.470	127.300	13.200	0

- NOTES:
- ERECTOR REINFORCEMENT TO BE SUPPLIED BY THE FOUNDATION CONTRACTOR.
  - ERECTOR REINFORCEMENT SHALL BE DESIGNED AND SHOWN ON THE REINFORCEMENT SHOP DRAWINGS AND IS THE RESPONSIBILITY OF THE FOUNDATION CONTRACTOR.
  - HEIGHT OF SUCH ERECTOR REINFORCEMENT HAS NOT BEEN INCLUDED IN THE REINFORCEMENT QUANTITY STATED ABOVE AND SHALL BE ESTIMATED BY THE FOUNDATION CONTRACTOR.



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QUÉBEC, QUÉBEC, CANADA, G2W 0M5  
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CLIENT:  
**PEI ENERGY CORPORATION**

PROJECT:  
**EASTERN KINGS WIND PLANT PHASE 2**

CLIENT REF #:  
**ELMIRA, KINGS COUNTY, PRINCE EDWARD ISLAND, CANADA**

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REVISIONS:

NO.	DATE	DESCRIPTION
B	2020-08-07	FOR FINAL COMMENTS
A	2020-04-09	FOR COMMENTS - 90%

PROJECT NO.: 191-12540-00  
DATE: 2020-04-09  
ORIGINAL SCALE: AS SHOWN  
DESIGNED BY: S. MANUELA, P. ENG.  
DRAWN BY: C. WISLA  
CHECKED BY: W. RAMONON VARETE, P. ENG.

DISCIPLINE: **STRUCTURAL**  
TITLE: **ENERCOR E-138 EP3 E2-ST-111-FB-C-01 SHALLOW FOUNDATION WITH BUOYANCY SECTION AND REINFORCEMENT REBAR DETAILS**

WSP NUMBER: **191-12540-00-EKW-S-103**  
SHEET # **01** OF **01**  
DATE OF: 2020-08-07  
FOR FINAL COMMENTS  
REV # **0**

THIS DRAWING MUST BE USED WITH PLAN:  
191-12540-00-EKW-S-100  
191-12540-00-EKW-S-101  
191-12540-00-EKW-S-102  
191-12540-00-EKW-S-104  
191-12540-00-EKW-S-105