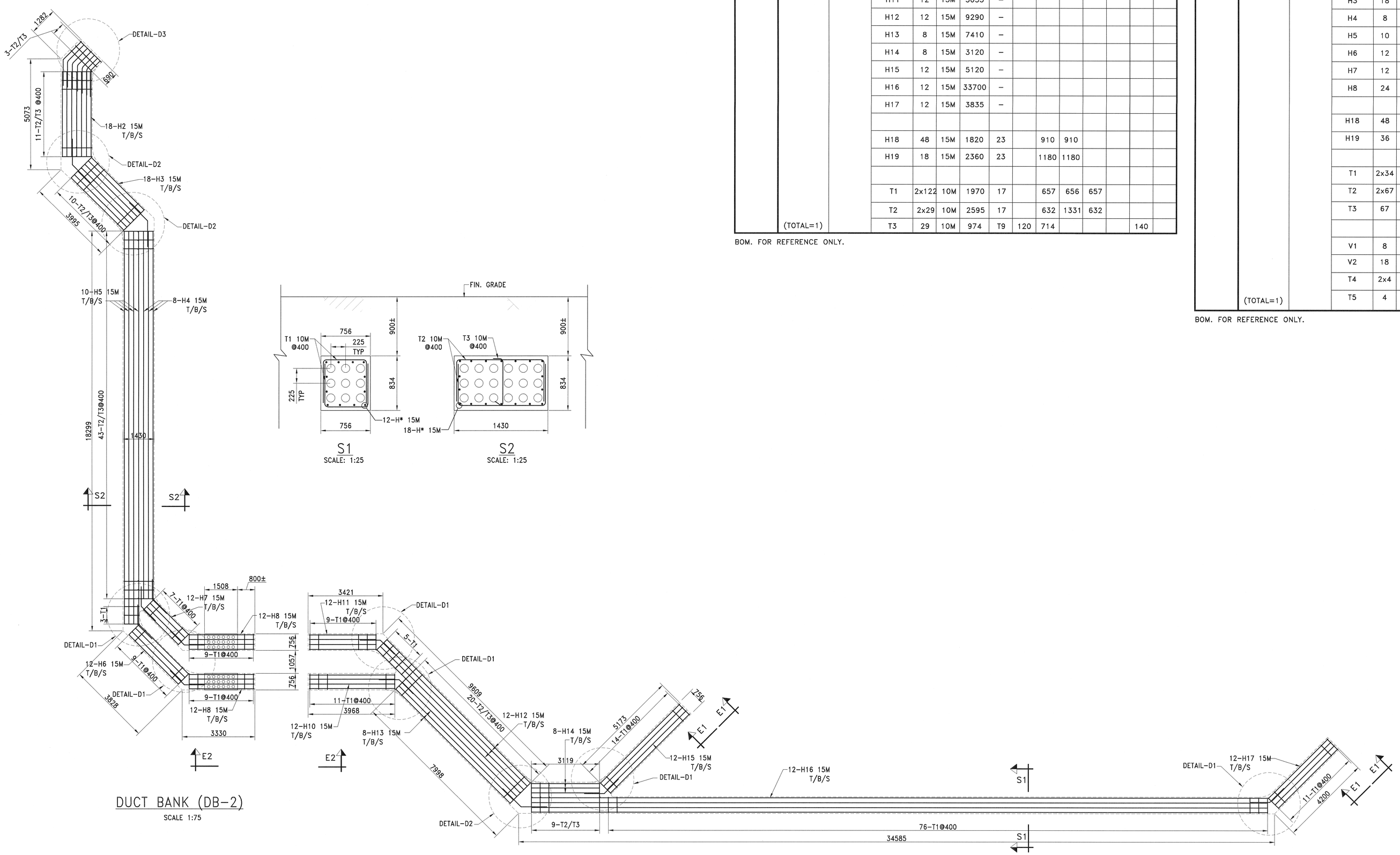


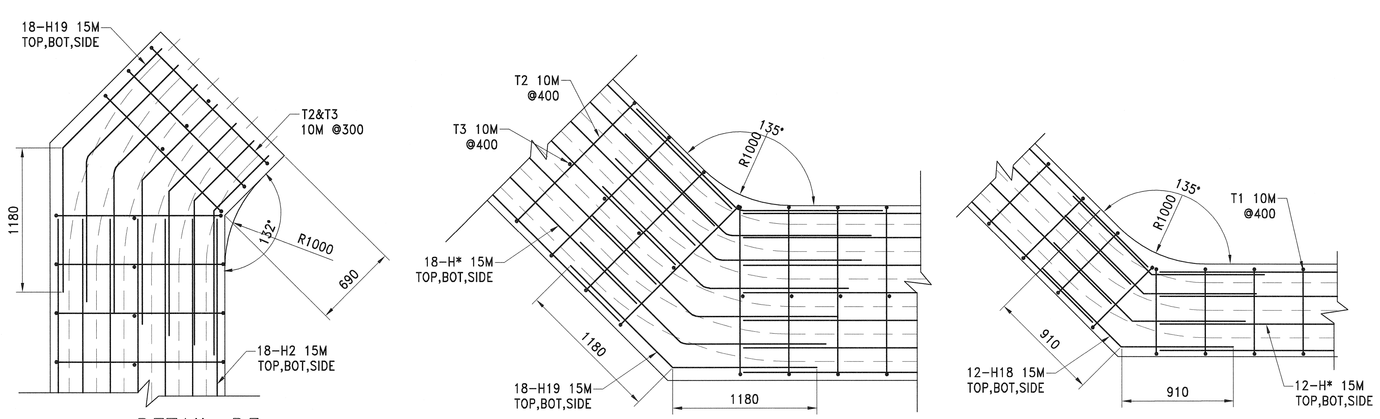


DUCT BANK (DB-2)
SCALE 1:75

DUCT BANK (DB-1)
SCALE 1:75

SCALE: 1:25

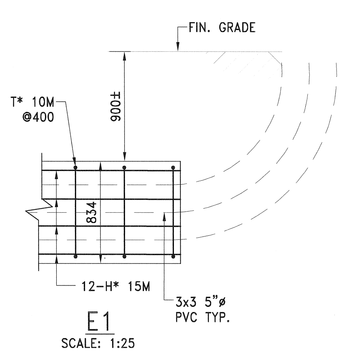
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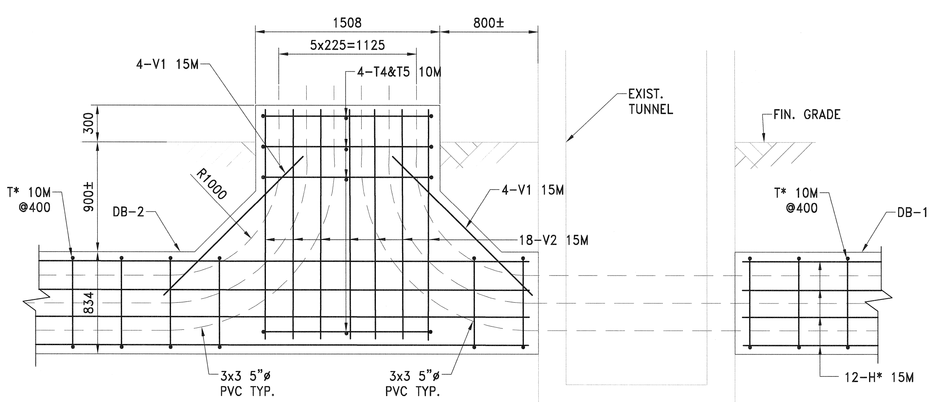
DETAIL-D3
SCALE: 1:25

DETAIL-D2
SCALE: 1:25

DETAIL-D1
SCALE: 1:25



E1
SCALE: 1:25



E2
SCALE: 1:25

TOTAL VOL. OF CONC (m³)	BILL OF MATERIAL OF CONCRETE AND STEEL REINFORCING													
	ITEM'NAME	REINFORCING STEEL FOR ONE FOUNDATION (DB1)												
		H (mm)	MARK	REQ'D	SIZE	LENGTH (mm)	TYPE	DIMENSIONS						
								A	B	C	D	E	G	O
46.53	DB1	VARIABLE	H10	12	15M	3910	–							
			H11	12	15M	3055	–							
			H12	12	15M	9290	–							
			H13	8	15M	7410	–							
			H14	8	15M	3120	–							
			H15	12	15M	5120	–							
			H16	12	15M	33700	–							
			H17	12	15M	3835	–							
			H18	48	15M	1820	23		910	910				
			H19	18	15M	2360	23		1180	1180				
			T1	2x122	10M	1970	17		657	656	657			
			T2	2x29	10M	2595	17		632	1331	632			
	(TOTAL=1)		T3	29	10M	974	T9	120	714				140	

BOM. FOR REFERENCE ONLY.

TOTAL VOL. OF CONC (m³)	BILL OF MATERIAL OF CONCRETE AND STEEL REINFORCING													
	ITEM'NAME	REINFORCING STEEL FOR ONE FOUNDATION (Db2)												
		H (mm)	MARK	REQ'D	SIZE	LENGTH (mm)	TYPE	DIMENSIONS						
								A	B	C	D	E	G	O
42.2	DB2	VARIABLE	H2	18	15M	3885	–							
			H3	18	15M	3400	–							
			H4	8	15M	16820	–							
			H5	10	15M	18000	–							
			H6	12	15M	3200	–							
			H7	12	15M	2250	–							
			H8	24	15M	2975	–							
			H18	48	15M	2360	23		910	910				
			H19	36	15M	2360	23		1180	1180				
			T1	2x34	10M	1970	17		657	656	567			
			T2	2x67	10M	2595	17		632	1331	632			
			T3	67	10M	974	T9	120	714				140	
			V1	8	15M	1660	–							
			V2	18	15M	1875	–							
			T4	2x4	10M	2595	17		632	1400	632			
	(TOTAL=1)		T5	4	10M	974	T9	120	650				140	

BOM. FOR REFERENCE ONLY.

GENERAL NOTES:

REFER TO DWG. F1731664-100-F003

REFERENCE DRAWINGS:

1. 115/13.8kV STATION
   CONC. DUCT BANK 'DB-1 & DB-2'
   PLAN VIEW & SECTIONS
   FOUNDATION F1731664-100-F005
2. 115/13.8kV STATION
   FOUNDATION
   KEY PLAN & LIST
   FOUNDATION F1731664-100-F001
3. 115/13.8kV STATION
   BASIC LAYOUT
   ELECTRICAL
   ARRANGEMENT F1731664-100-EA001

LEGEND:

1. T.O.C: TOP OF CONCRETE
2. T/B/S: TOP, BOTTOM, SIDE

N°	DATE	TRANSMISSION	BY ENG
00	2018/09/27	RELEASE FOR CONSTRUCTION	SYW

THE S.M. GROUP INTERNATIONAL INC.
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STAMP:

LICENCED PROFESSIONAL ENGINEER
S.Y. WANG
100139367
PROVINCE OF ONTARIO

CLIENT:

PROJECT:
MCMASTER UNIVERSITY-NF91

TITLE:
115/13.8kV STATION
CONC. DUCT BANK "DB-1" & "DB-2"
CONC. & REINF. DETAILS
FOUNDATION

PREPARED BY: Z. WANG	DATE: 2018-09-27
DRAWN BY: G. TUDCLA	SCALE: 1:75
VERIFIED BY: Z. WANG	DISCIPLINE: FOUNDATION
APPROVED BY: S.Y. WANG	CAD FILE NAME: F1731664-100-F006.dwg

PROJECT No.	VOL.	DWG. #	REV.	PAGE
F1731664	100	F006	00	

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