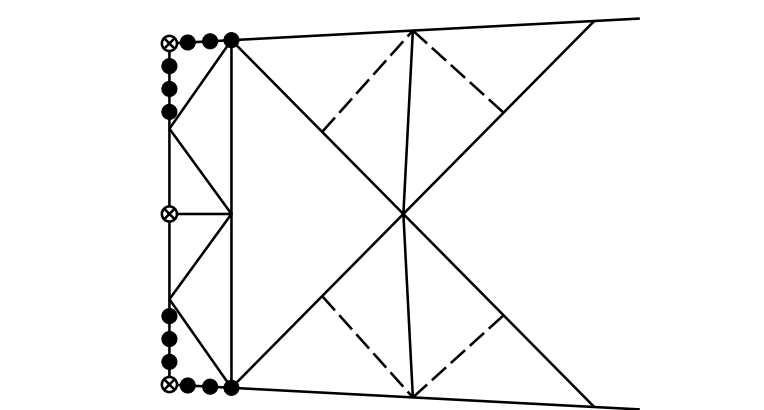


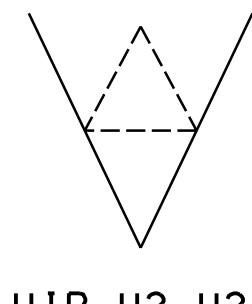
PERMISSIBLE WIRING ARRANGEMENT
(OTHER WIRING ARRANGEMENTS ARE POSSIBLE BUT WOULD REQUIRE
SITE SPECIFIC STRUCTURE DESIGN CHECKS TO CONFIRM)



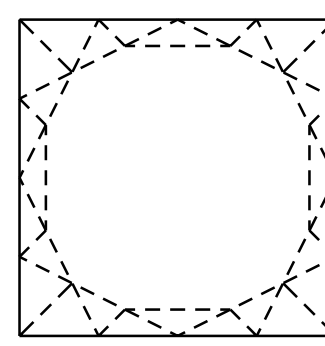
TYPICAL CROSSARM ARRANGEMENT
SHOWING ATTACHMENT POINTS
FOR INCOMING MAIN CONDUCTOR (●)
AND PILOT SETS (⊙)



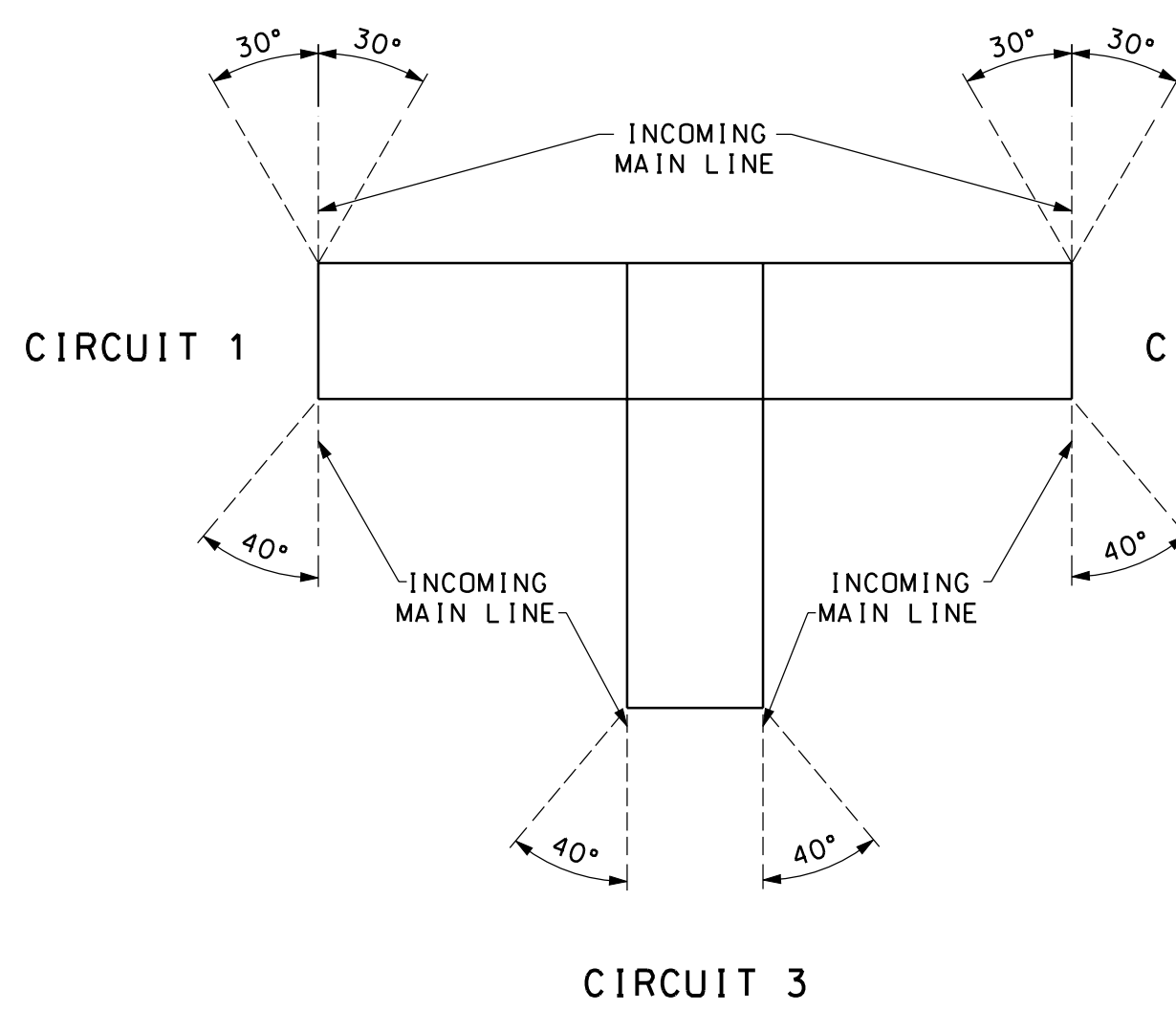
HIP H1-H1



HIP H2-H2



PLAN D-D



CIRCUIT 3

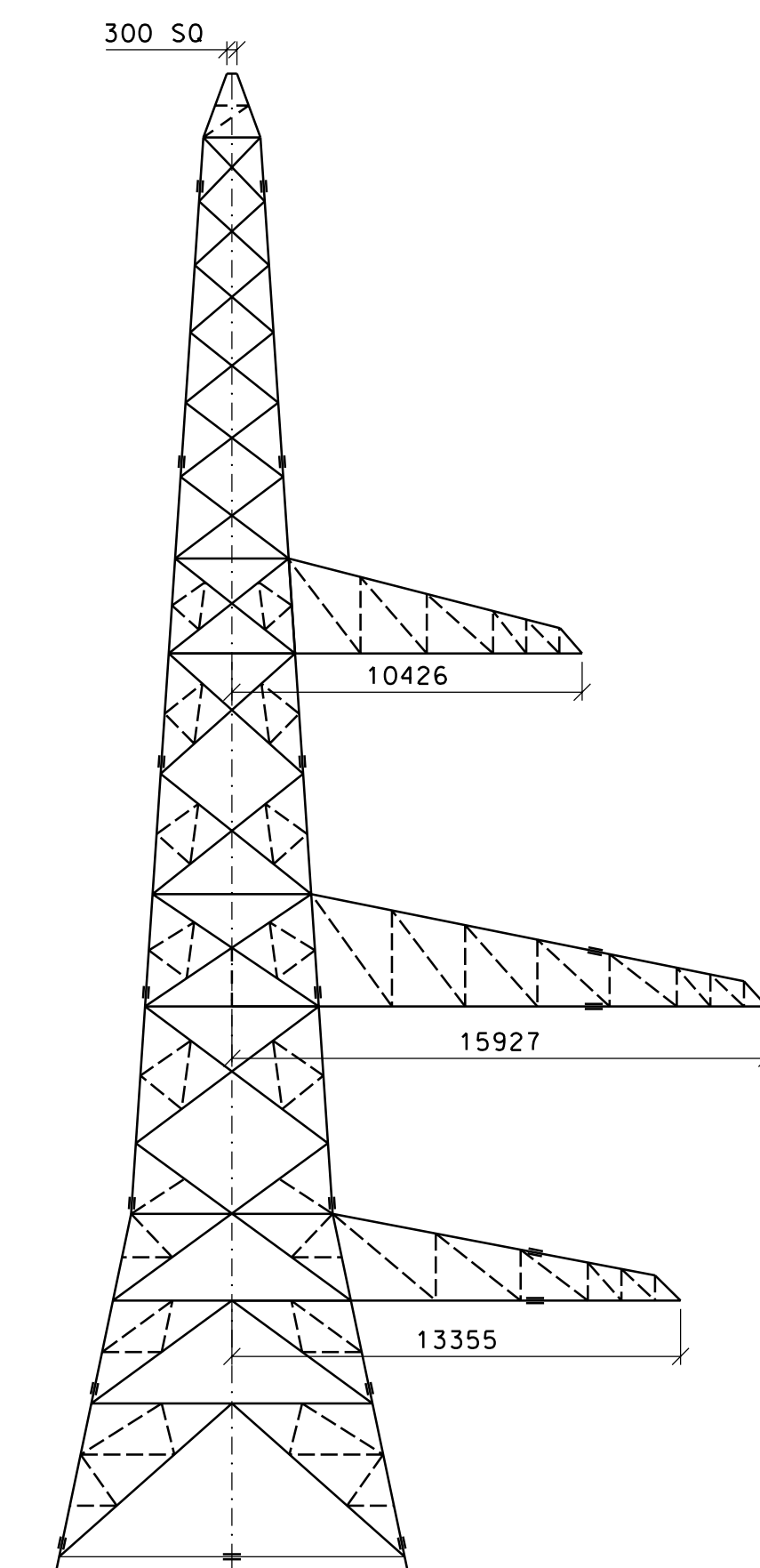
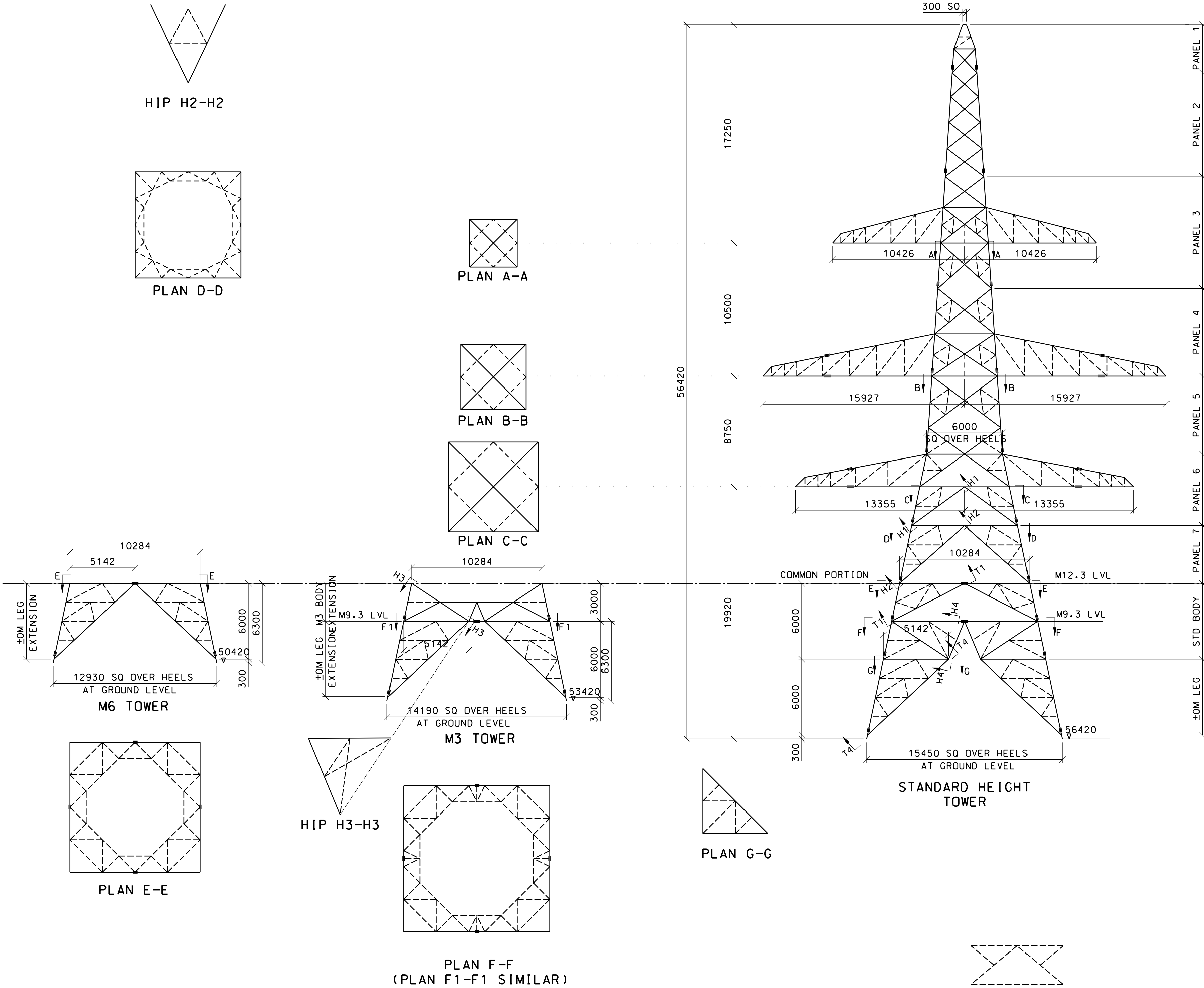
LIMITATIONS

LIMITATIONS ON ANGLE OF ENTRY OF INCOMING MAIN LINES AS SHOWN.

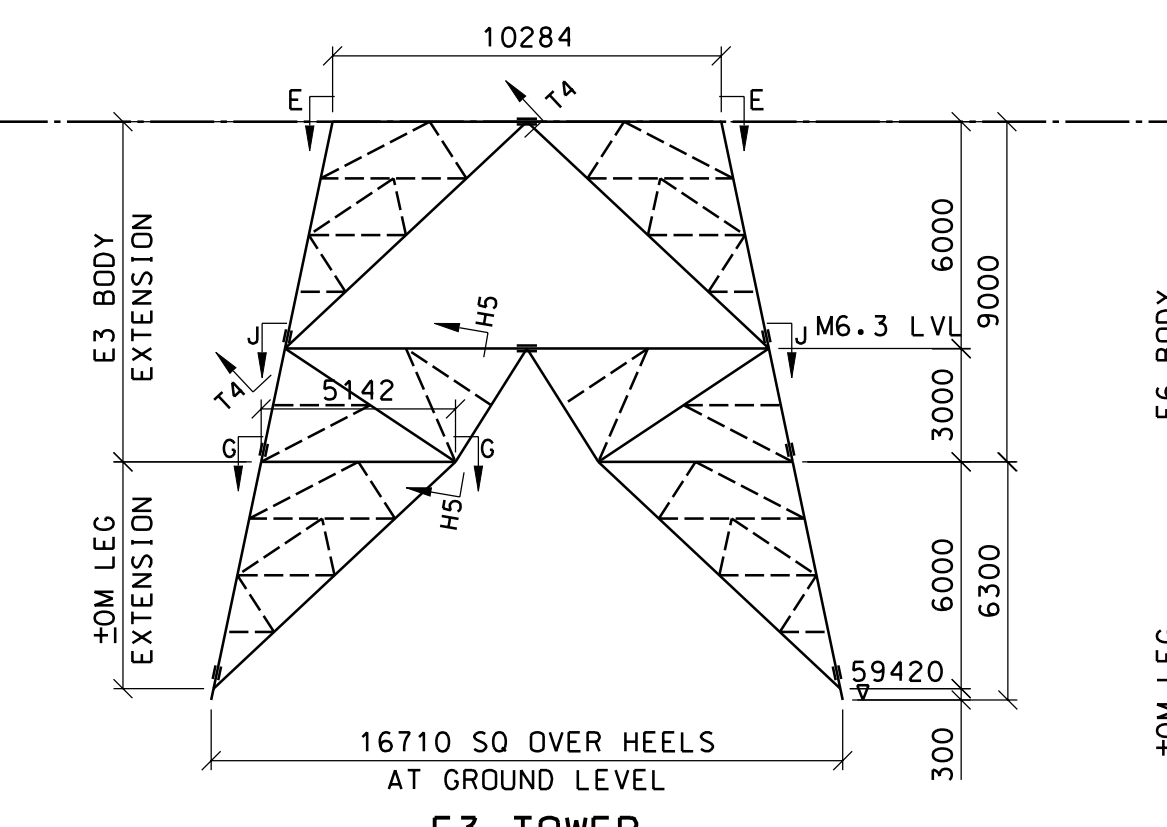
USAGE LIMIT WHERE TOWERS ARE TO BE FITTED WITH UNEQUAL LEG EXTENSIONS:

- DJ M6 - STD: NO LIMITATION OF USE OF UNEQUAL LEG EXTENSIONS.
DJ E3 - E6: ANY COMBINATION OF LEG EXTENSIONS RESULTING
IN DIFFERENTIAL HEIGHT NOT GREATER THAN 6M.
DJ E9 - E12: ANY COMBINATION OF LEG EXTENSIONS RESULTING
IN DIFFERENTIAL HEIGHT NOT GREATER THAN 4M.

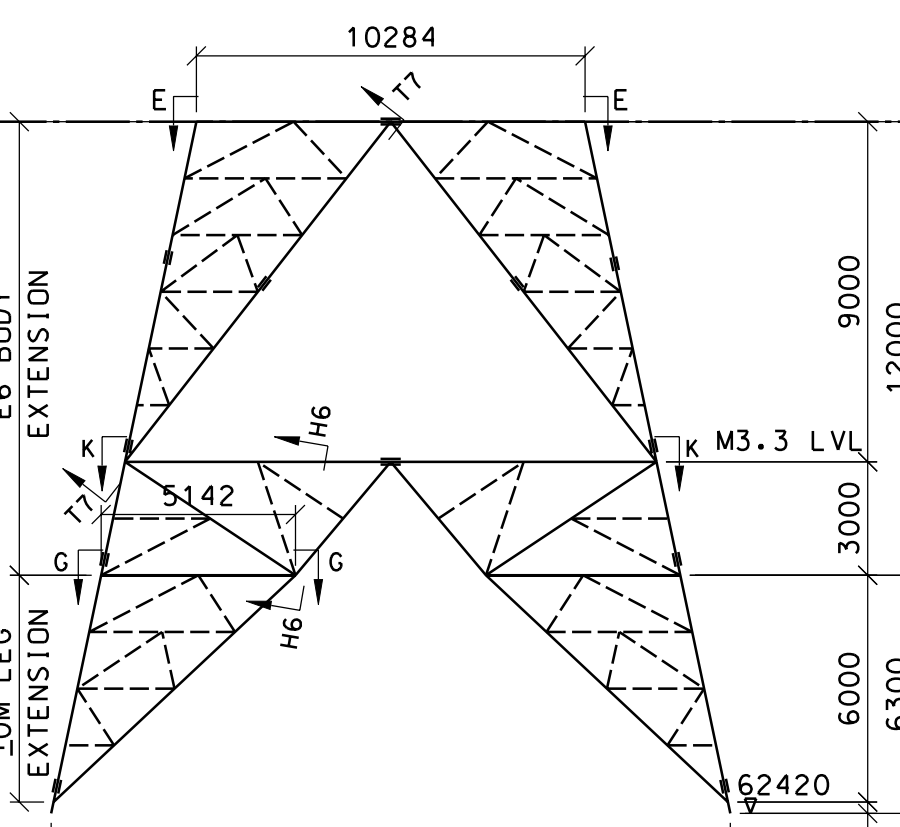
ALL STEELWORK SHALL BE GIVEN A PREFIX AND NUMBER. STEELWORK
WILL BE ALLOCATED A NUMBER AS LISTED AND DEPENDING ON ITS
PARTICULAR LOCATION WITHIN THE OVERALL TOWER STRUCTURE. ALL
UNIQUE STEELWORK DETAILS SHALL BE ATTRIBUTED A UNIQUE NUMBER.
WHERE ANY BAR OR PLATE DETAIL IS FOUND TO BE COMMON AT VARIOUS
LOCATIONS OVER THE TOWER STRUCTURE THEN THE NUMBER ORIGINALLY
ATTRIBUTED SHALL REMAIN UNCHANGED.



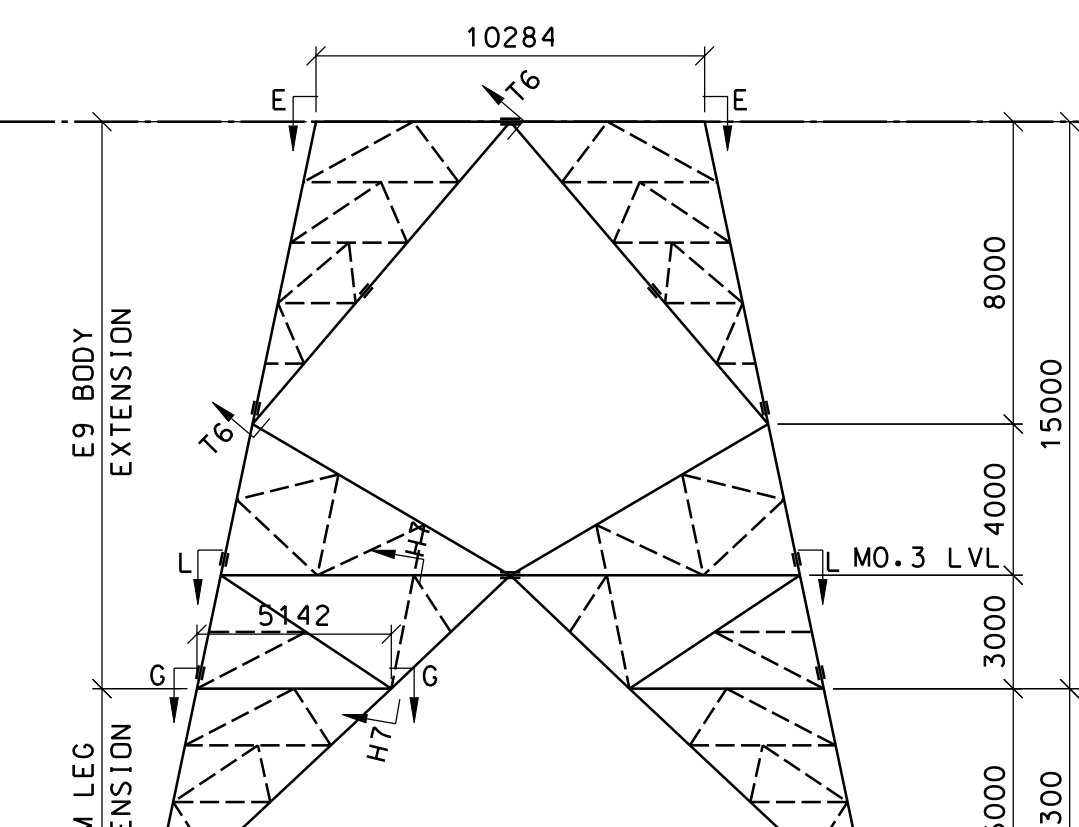
LONGITUDINAL FACE
(REMAINDER SAME AS
TRANSVERSE FACE)



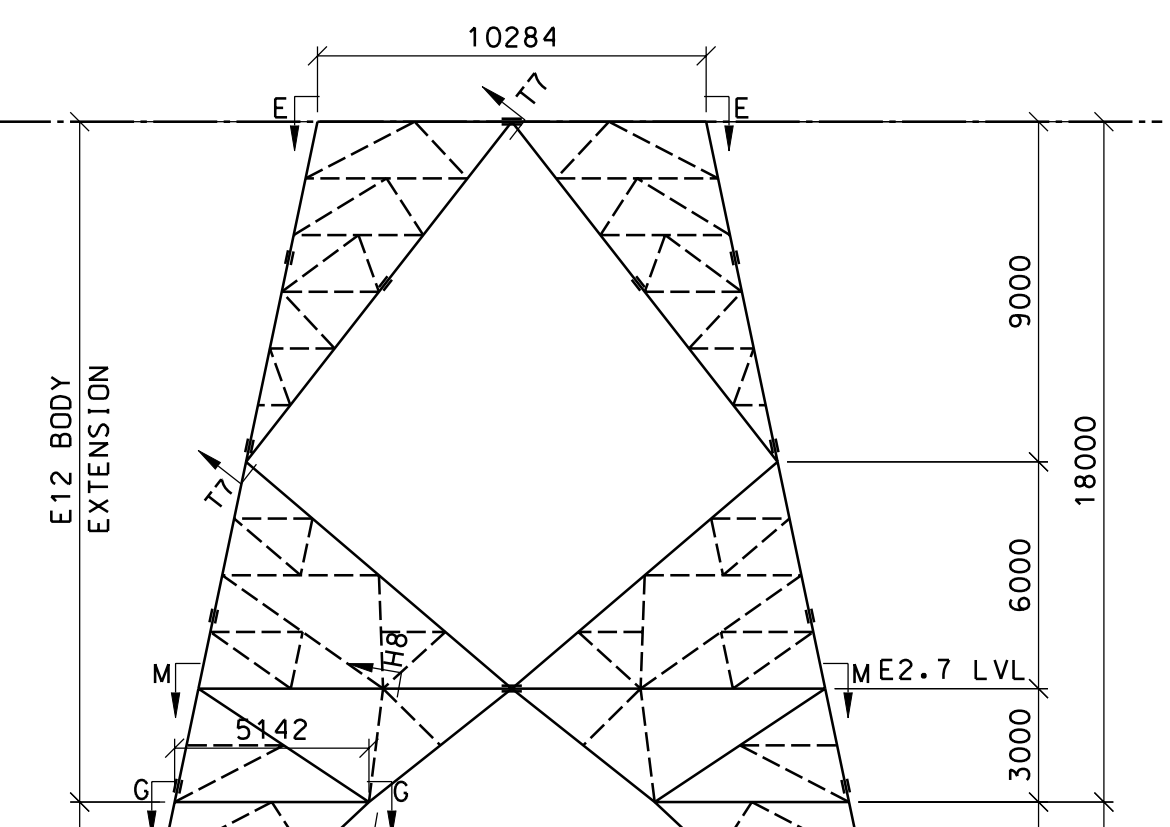
E3 TOWER



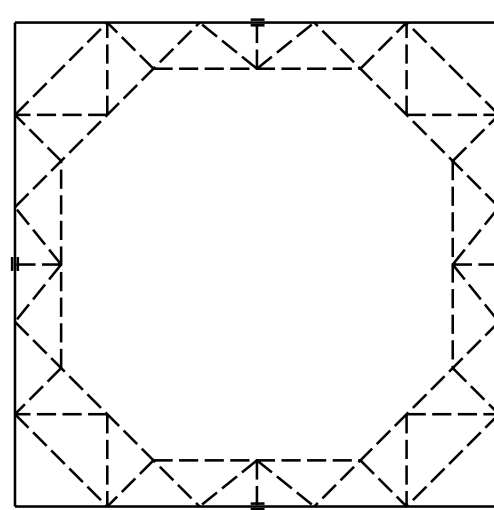
E6 TOWER



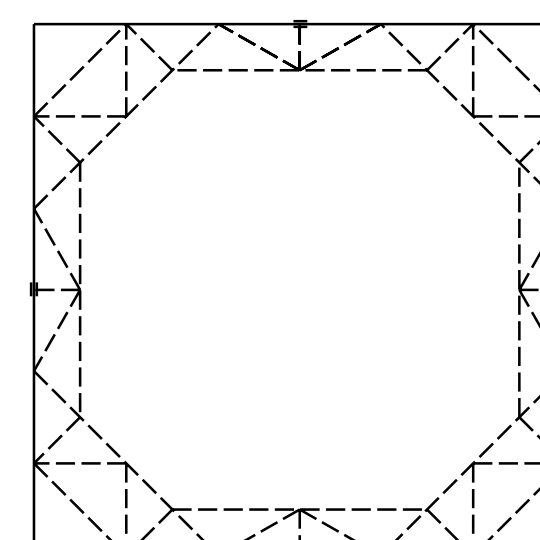
E9 TOWER



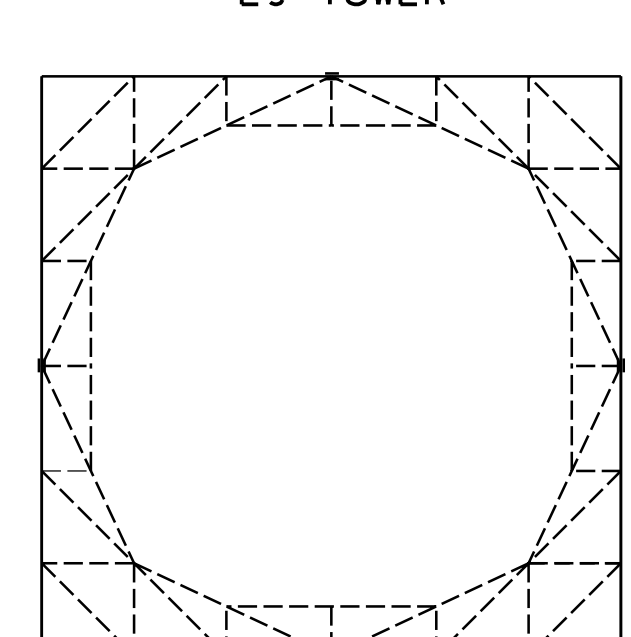
E12 TOWER



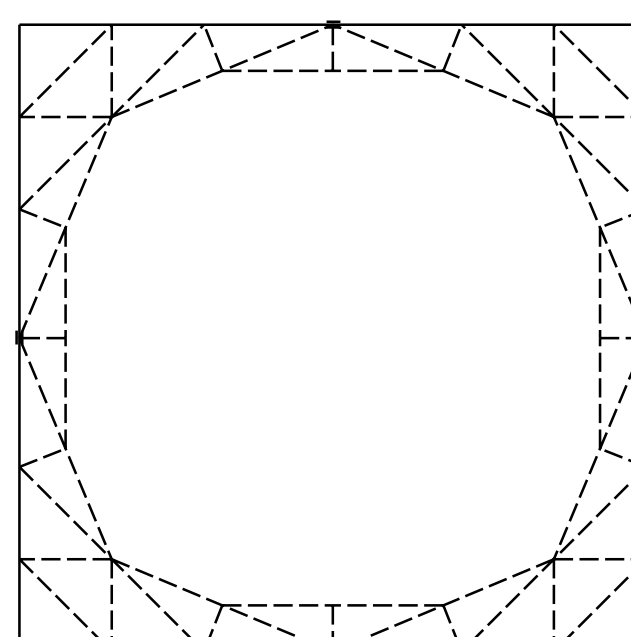
PLAN J-J



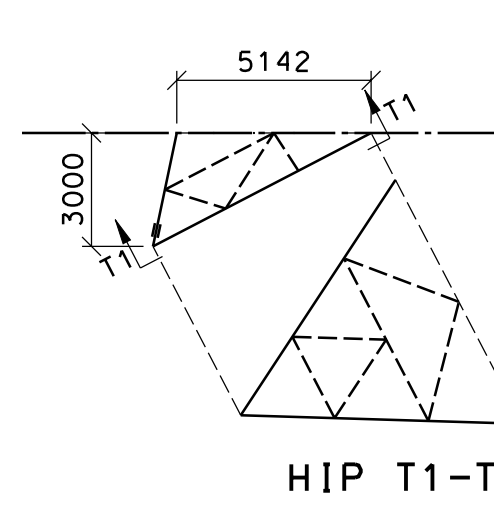
PLAN K-K



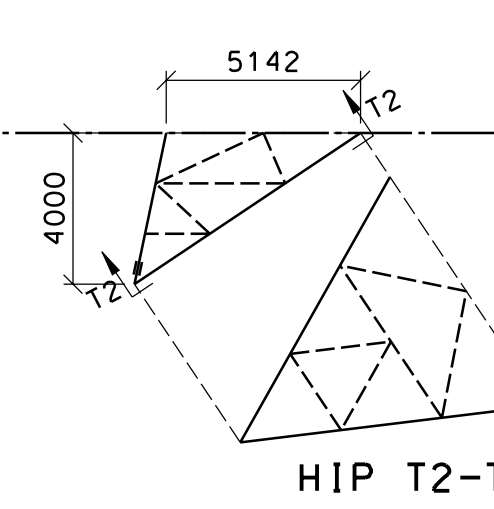
PLAN L-L



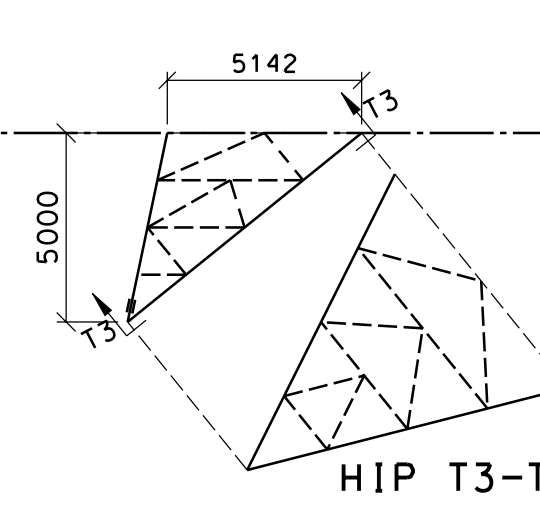
PLAN M-M



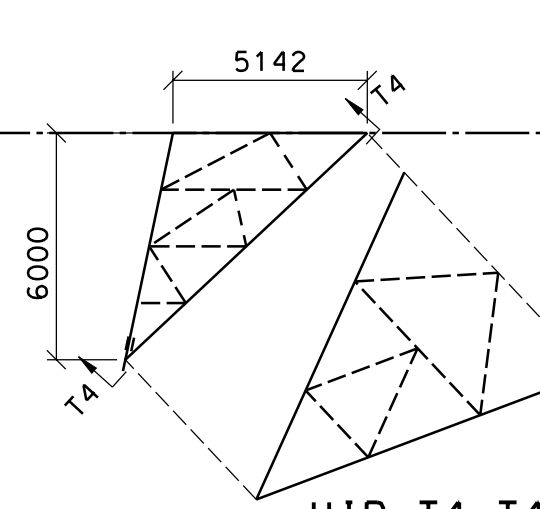
HIP T1-T1



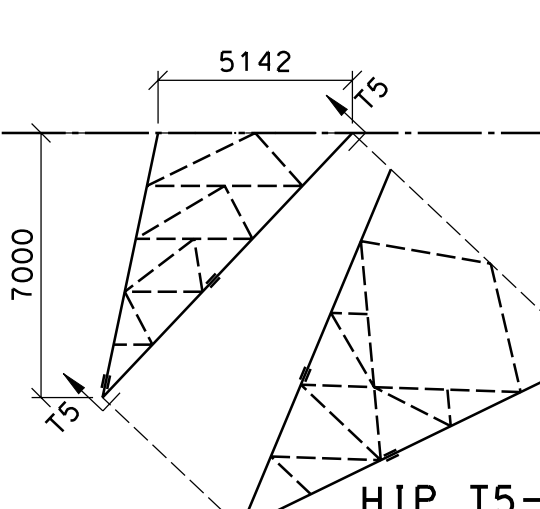
HIP T2-T2



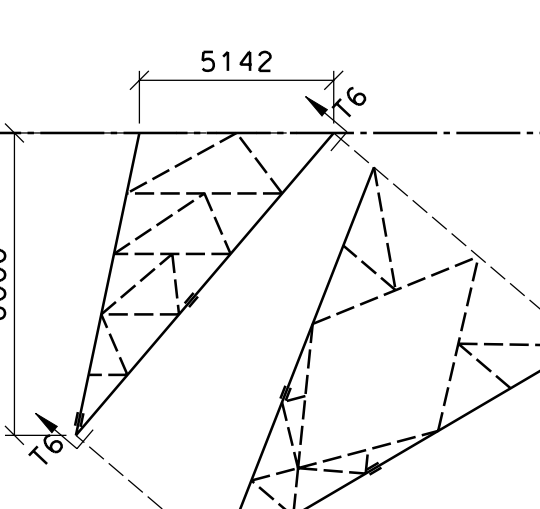
HIP T3-T3



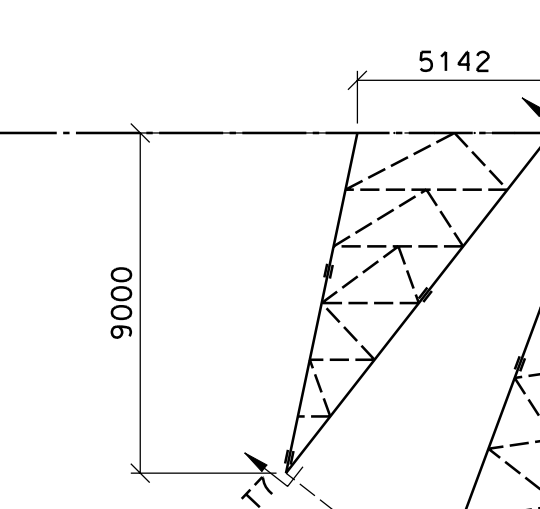
HIP T4-T4



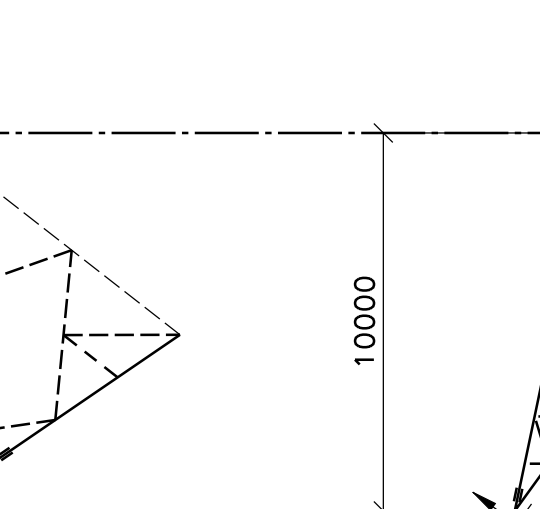
HIP T5-T5



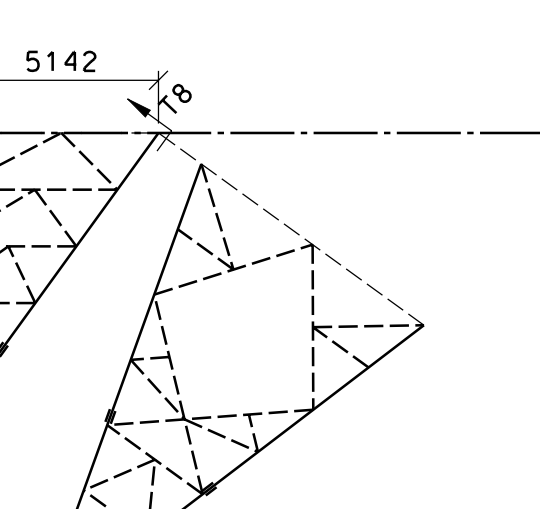
HIP T6-T6



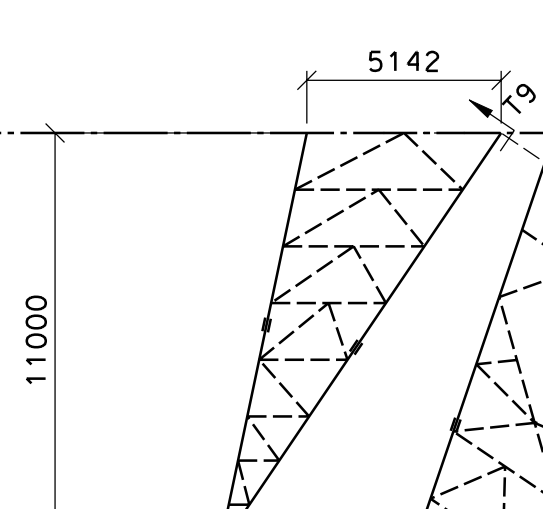
HIP T7-T7



HIP T8-T8



HIP T9-T9



HIP T10-T10

-3M LEG EXTENSION

-2M LEG EXTENSION

-1M LEG EXTENSION

±0M LEG EXTENSION

+1M LEG EXTENSION

+2M LEG EXTENSION

+3M LEG EXTENSION

+4M LEG EXTENSION

+5M LEG EXTENSION

+6M LEG EXTENSION

- GENERAL NOTES
1. FOR GENERAL NOTES SEE DRAWING A1/PTD/6054/1000.
2. FOR LINE DIAGRAM OF STANDARD TOWER WITH SECTION SIZES SEE DRAWING A0/PTD/6054/174.
3. FOR LINE DIAGRAM OF BODY EXTENSIONS WITH SECTION SIZES SEE DRAWING A0/PTD/6054/253.
4. FOR LINE DIAGRAM OF LEG EXTENSIONS WITH SECTION SIZES SEE DRAWING A0/PTD/6054/254.
5. FOR LINE DIAGRAM OF CROSSARMS WITH SECTION SIZES SEE DRAWING A0/PTD/6054/175.

STEELWORK MARK NUMBERS DT PREFIX "20" UNLESS NOTED	LOCATION (SEE KEY OUTLINES)	DRAWING NO	MATERIAL LIST NO.	BOLT LIST NO.	COMPOSITION OF TOWERS							
-	GENERAL NOTES	A1/PTD/6054/1000	-	-	M6	M3	STD	HT	E3	E6	E9	E12
-	DJ TOWER KEY DIAGRAM	A0/PTD/6054/6050	-	-								
-	DJ TOWER WEIGHT DIAGRAM	A0/PTD/6054/6051	-	-								
1-100	PANEL 1	A0/PTD/6054/6002	ML60546002	BL60546002	1	1	1	1	1	1	1	1
101-200	PANEL 2	A0/PTD/6054/6003	ML60546003	BL60546003	1	1	1	1	1	1	1	1
201-300	PANEL 3	A0/PTD/6054/6004	ML60546004	BL60546004	1	1	1	1	1	1	1	1
301-400	PANEL 4	A0/PTD/6054/6005	ML60546005	BL60546005	1	1	1	1	1	1	1	1
401-500	PANEL 5	A0/PTD/6054/6006	ML60546006	BL60546006	1	1	1	1	1	1	1	1
501-600	PANEL 6	A0/PTD/6054/6007	ML60546007	BL60546007	1	1	1	1	1	1	1	1
601-700	PLAN C-C	A0/PTD/6054/6038	ML60546038	BL60546038	1	1	1	1	1	1	1	1
701-800	PANEL 7	A0/PTD/6054/6008	ML60546008	BL60546008	1	1	1	1	1	1	1	1
801-900	PLAN D-D	A0/PTD/6054/6039	ML60546039	BL60546039	1	1	1	1	1	1	1	1
901-1000 & 3601 - 3700	ELEVATION ON TOP CROSSARM	A0/PTD/6054/6044	ML60546044	BL60546044	2#	2#	2#	2#	2#	2#	2#	2#
1001-1000 & 3601 - 3700	PLAN ON TOP CROSSARM	A0/PTD/6054/6047	ML60546047	BL60546047	2#	2#	2#	2#	2#	2#	2#	2#
1001-1000 & 3501 - 3550	ELEVATION ON MIDDLE CROSSARM	A0/PTD/6054/6045	ML60546045	BL60546045	2#	2#	2#	2#	2#	2#	2#	2#
1001-1200 & 3401 - 3500	PLAN ON MIDDLE CROSSARM	A0/PTD/6054/6048	ML60546048	BL60546048	2#	2#	2#	2#	2#	2#	2#	2#
1001-1200 & 3401 - 3500	ELEVATION ON BOTTOM CROSSARM	A0/PTD/6054/6046	ML60546046	BL60546046	2#	2#	2#	2#	2#	2#	2#	2#
1001-1200 & 3401 - 3500	PLAN ON BOTTOM CROSSARM	A0/PTD/6054/6049	ML60546049	BL60546049	2#	2#	2#	2#	2#	2#	2#	2#
ZF 901-1000	PLAN BRACING AT M12.3 LEVEL ON STD HT-E3-E6-E9-E12 TOWERS	A0/PTD/6054/5014	ML60545014	BL60545014					1	1	1	1
ZF 901-1000	PLAN BRACING AT M12.3 LEVEL ON M6 TOWER	A0/PTD/6054/5015	ML60545015	BL60545015	1							
ZF 1501-1600	STANDARD BODY EXTENSION	A0/PTD/6054/5016	ML60545016	BL60545016			1					
ZF 1601-1700	M3 BODY EXTENSION	A0/PTD/6054/5017	ML60545017	BL60545017			1					
ZF 1801-1100	PLAN BRACING AT M9.3 LEVEL ON STD HEIGHT TOWER	A0/PTD/6054/5018	ML60545018	BL60545018			1					
ZF 1801-1900 & 2201-2300	E3 BODY EXTENSION	A0/PTD/6054/5019	ML60545019	BL60545019				1				
ZF 1901-1600 & 1801-1900 & 2201-2300	PLAN C-C & VIEWS T4-T4 & H5-H5 FOR E3 BODY EXT	A0/PTD/6054/5039	ML60545039	BL60545039					1			
ZF 1901-2000 & 2801-2900	E6 BODY EXTENSION	A0/PTD/6054/5020	ML60545020	BL60545020						1		
ZF 1501-1600 & 1901-2000 & 2801-2900	PLAN C-C & VIEWS T7-T7 & H6-H6 FOR E6 BODY EXT	A0/PTD/6054/5041	ML60545041	BL60545041							1	
ZF 2001-2100 & 2701-2800	E9 BODY EXTENSION	A0/PTD/6054/5021	ML60545021	BL60545021								1
ZF 1501-1600 & 2001-2100	PLAN G-G & VIEW H7-H7 FOR E9 BODY EXT	A0/PTD/6054/5048	ML60545048	BL60545048								1
ZF 1501-1600 & 2101 - 2200	E12 BODY EXTENSION - LOWER PORTION	A0/PTD/6054/5022	ML60545022	BL60545022								1
ZF 2801-2900	E12 BODY EXTENSION - UPPER PORTION	A0/PTD/6054/5040	ML60545040	BL60545040								1
ZF 1001-1100	PLAN BRACING AT M9.3 LEVEL ON M3 TOWER	A0/PTD/6054/5023	ML60545023	BL60545023	1							
ZF 1101-1200	PLAN BRACING AT M6.3 LEVEL	A0/PTD/6054/5024	ML60545024	BL60545024				1				
ZF 1201-1300	PLAN BRACING AT M3.3 LEVEL	A0/PTD/6054/5025	ML60545025	BL60545025					1			
ZF 1301-1400	PLAN BRACING AT M0.3 LEVEL	A0/PTD/6054/5026	ML60545026	BL60545026						1		
ZF 1401-1500	PLAN BRACING AT E2.7 LEVEL	A0/PTD/6054/5027	ML60545027	BL60545027								1
ZF 2201-2300	+0M LEG EXTENSION	A0/PTD/6054/5028	ML60545028	BL60545028	4*	4*	4*	4*	4*	4*	4*	4*
ZF 2301-2400	-3M LEG EXTENSION	A0/PTD/6054/5029	ML60545029	BL60545029								
ZF 2401-2500	-2M LEG EXTENSION	A0/PTD/6054/5030	ML60545030	BL60545030								
ZF 2501-2600	-1M LEG EXTENSION	A0/PTD/6054/5031	ML60545031	BL60545031								
ZF 2601-2700	+1M LEG EXTENSION	A0/PTD/6054/5032	ML60545032	BL60545032								
ZF 2701-2800	+2M LEG EXTENSION	A0/PTD/6054/5033	ML60545033	BL60545033								
ZF 2801-2900	+3M LEG EXTENSION	A0/PTD/6054/5034	ML60545034	BL60545034	*	*	*	*	*	*	*	*
ZF 2901-3000	+4M LEG EXTENSION	A0/PTD/6054/5035	ML60545035	BL60545035								
ZF 3001-3100	+5M LEG EXTENSION	A0/PTD/6054/5036	ML60545036	BL60545036								
ZF 3101-3200	+6M LEG EXTENSION	A0/PTD/6054/5037	ML60545037	BL60545037								
4001 - 4100	SSE400 DT/DJ TOWER STUB SETTING PARTICULARS DRAWING	A1/PTD/6054/6037	ML60546037	BL60546037								
-	SSE400 DT/DJ TOWER NUMBER PLATE MOUNTING ASSY LISTS	A3/PTD/6054/6052	ML60546052	BL60546052								
ACD 1-100	ANTI-CLIMBING DEVICE - LEG	A1/PTD/6054/802	ML60540802	BL60540802								
ACD 1-100	ANTI-CLIMBING DEVICE - BODY	A0/PTD/6054/821	ML60540821	BL60540821								
BS 1-25	CONDUCTOR & EARTHWIRE SWIVEL ASSEMBLY	A0/PTD/6054/817	-	-								

COMMON PORTION

TO SUIT TALLS OF 200 FT. TOWERS

* APPLICABLE WHEN ERECTING TOWERS ON FLAT T

* APPLICABLE FOR HILLSIDE CONDITIONS WHEN

ON LEG EXTENSIONS MAY NO LONGER BE SUITAB

CAN BE USED AS AUXILIARY CROSSARM

- * APPLICABLE WHEN ERECTING TOWERS ON FLAT TERRAIN
* APPLICABLE FOR HILLSIDE CONDITIONS WHERE
ON LEG EXTENSIONS MAY NO LONGER BE SUITABLE
CAN BE USED AS AUXILIARY CROSSARM

B	24/11/2011	REFERENCE TO KEY MATERIAL	IE	OS
A		DIAGRAM NO. 25100		
ISSUE	DATE	REVISION	CHK'D	APP'D

BEAULY-DENNY 400KV

CIRCUIT:-

SCOTTISH HYDRO-ELECTRIC
TRANSMISSION LTD

TITLE:-

SSE400 DJ TOWER
KEY DIAGRAM

JOB NO: 6200/352/03 DATE: 30/11/2011

DRAWN: RH/AY CHKD: JOB

DESIGN: RB APPD: PZN

Balfour Beatty
Utility Solutions

P.O. BOX 5064, RAYNESWAY, DERBY, DE21 7ZP

TELEPHONE: 01332 661491

FAX: 01332 288541

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SCALE:- NTS

DRAWING NO: A0/PTD/6054/6050

SHEET CONTRACT NO: C33302

SHEET DRAWING NO: A0

1 2 3 4 5 6 7 8 9 10 11 12