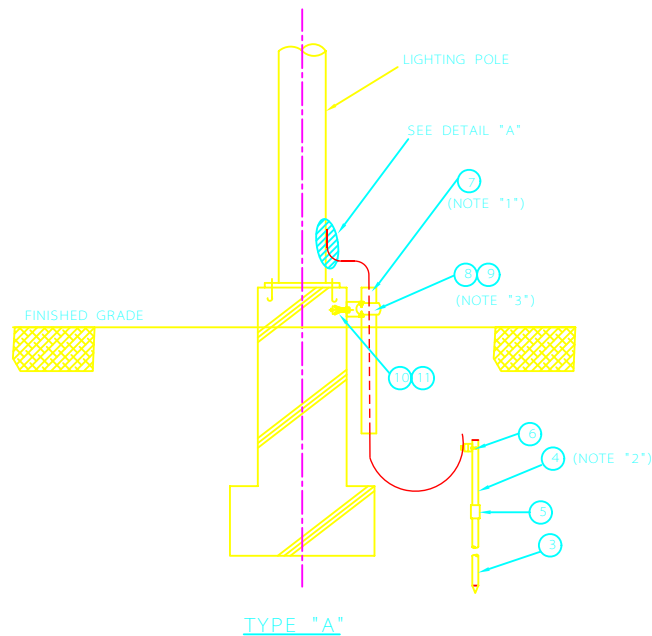
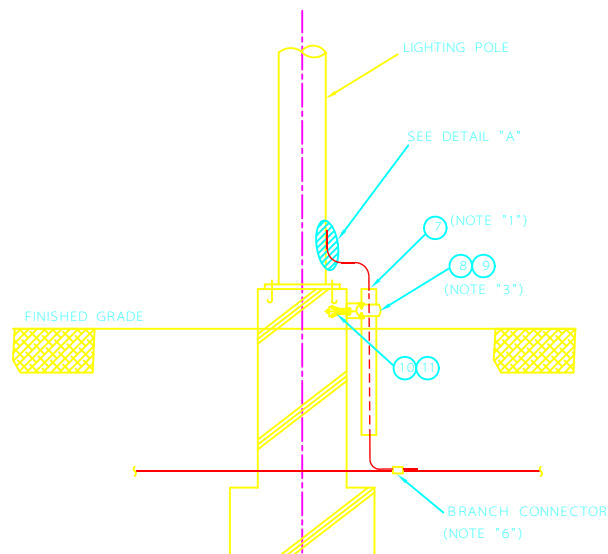


DETAIL "A"



TYPE "A"



TYPE "B"

NOTES

- 1- FOR STUB-UP OF RIGID PVC AT GRADE REFER TO DWG No. IPS-D-EL-414.
- 2- THE NUMBER OF ELECTRODES TO BE DETERMINED ON SITE DEPENDING ON THE EXPECTED READING OF GROUNDING RESIST.
- 3- FOR PIPE SUPPORT, REFER TO DWG.No. IPS-D-EL-415.
- 4- THE LOCATION OF CONNECTION POINTS ARE GENERALLY SHOWN ON THE LAYOUT DRAWING.
- 5- FOR No. OF GROUNDING POINTS AND WIRE SIZE, REFER TO THE SELECTION CHART IN DWG No. IPS-D-EL-417. AND GROUNDING LAYOUT DRAWING.
- 6- FOR BRANCH CONNECTOR REFER TO DWG. No. IPS-D-EL-402.
- 7- ALL DIMENSION ARE IN MILLIMETERS.

No.	DESCRIPTION	QTY.
1	CRIMP TYPE TERMINAL LUG, 16 sqmm.	1-EA
2	BOLT & NUT WITH 1-SPRING, 2-FLAT WASHERS SIZE :M10x25L FOR EARTH LUG	1- SET
3	ELECTRODE, DRIVING SIDE, 19mm. 1500L	1-EA
4	ELECTRODE, COUPLING SIDE, 19mm. 1500L	1-EA
5	COUPLING FOR ELECTRODE	1-EA
6	EARTH CLAMP FOR SINGLE CONDUCTOR	1-EA
7	RIGID PVC PIPE 20mm. DIA. 300L	1-EA
8	UNISTRUT CHANNEL ([-40x30x10x2.5tx120L])	1-EA
9	UNISTRUT CLAMP WITH BOLT/NUT, 20mm DIA.	1- SET
10	MASONRY ANCHOR WITHOUT STUD. M8	1-EA
11	BOLT WITH 1-SPRING, 1-FLAT WASHER SIZE :M8x15L FOR MASONRY ANCHOR	1- SET

REV	DESCRIPTION	DATE
C		
B		
A		

IRANIAN PETROLEUM STANDARDS 
NO REVISION PERMITTED UNLESS APPROVED BY STANDARD ORGANIZATION

REFERENCE DRAWING
GROUNDING INSTALLATION DETAILS
"CATEGORY 400"
LIGHTING POLE

DATE	DRAWING No.	SHEET	REV.
	IPS-D-EL-411	1	1