

INSTRUCTION TO THE CONTRACTOR:

1. The steel from which the potential test station is fabricated shall be hot-dip galvanizing.
2. Prior to bringing the bare steel parts to the galvanizer - approved by the engineer, all sharp corners, protrusions and weld-slag shall be carefully removed providing a clean and smooth surface. Minimum thickness of zinc layer shall be no less than 60-100 microns. After galvanizing zinc slag and/or impurities shall be removed providing a clean and smooth surface for painting.
3. The galvanized parts shall be electrostatically-Surface preparation prior to painting: removal of fat and grease surface shall be roughened only by sand or grit blasting and then painted by 2 (two) layers of coating such as Specification 108 by "Epo-Kol" or by an alternative paint plant approved by the engineer. Surface preparation shall not be by dipping the items into solvent.
4. The color of the potential test station body coating shall be black (RAL-9005). The color of the removable Test Post Cap shall be purple (RAL-4005) -
5. The painted and approved unit shall be transported to site in suitable containers to prevent damage to finished coating.
6. Any paint repair of the coated Test Post only by special liquid. No other paint shall be applied.
7. Bolts/screws for fixing the Cap to Test Post body shall be coated with non-hardening grease.

DRAWING NAME:
STANDARD TEST POST FOR SURVEILING CATHODIC PROTECTION

DRAWING No:		REV. NO:	
DES.	DES.	DOC. TYPE	NUMBER
1010INGLCEPDDT1208			
Design	Drawn	Check	Appr.
Name: LKANTOR		F. GRINBERG	
Sgnr:	RLUKIN	AAOUT	SCALE:
Date: 05.10.2011			05.10.2011
Date: 05.10.2011			05.10.2011
Date: 05.10.2011			05.10.2011
P1		REV.	



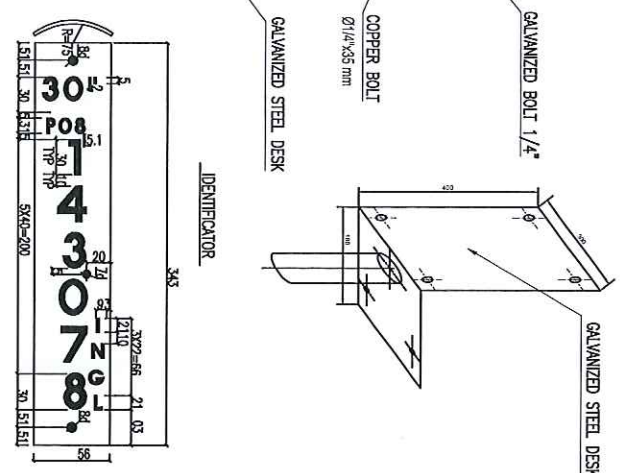
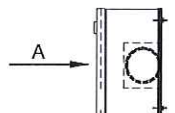
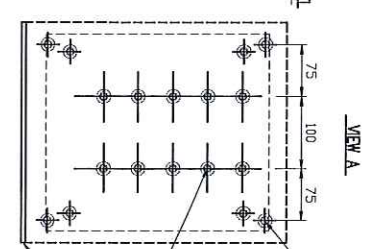
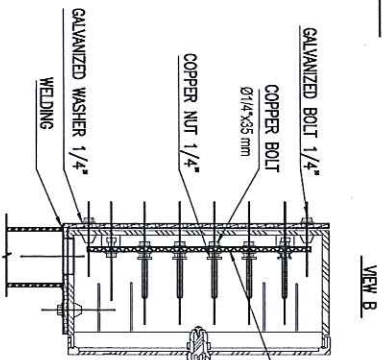
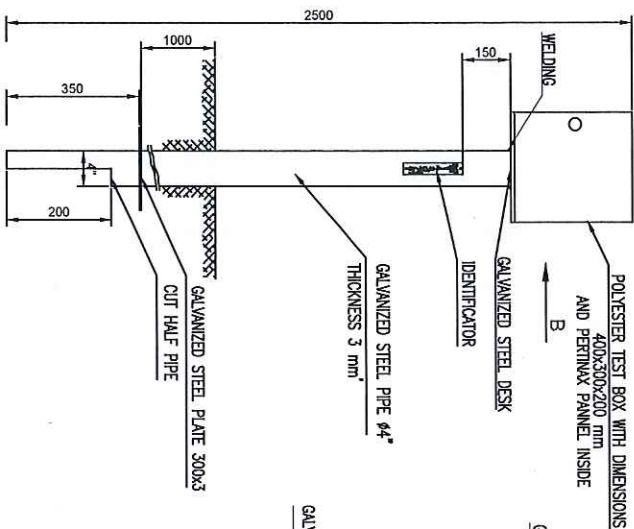
ISRAEL NATURAL GAS LINES LTD (INGL)

PROJECT: STANDARDS

מ.מ. No.	תיאור שינוי	תאריך	חתימה
Description	Date		Signature

Revisions

21000



INSTRUCTION TO THE CONTRACTOR:

1. The steel from which the distribution test station is fabricated shall be appropriate for hot-dip galvanizing.
2. Prior to bringing the bare steel parts to the galvanizer, approved by the engineer, all sharp corners, protrusions and weld-slag shall be carefully removed providing a clean and smooth surface. Minimum thickness of zinc layer shall be no less than 60-100 microns. After galvanizing - zinc slag and/or impurities shall be removed providing a clean and smooth surface for painting.
3. The galvanized parts shall be electrostatically coating by a factory quality assurance system ISO 9001 . Surface preparation prior to coating: removal of fat and grease, surface shall be slight drop by sand or grit blasting and then coating by 2 (two) layers of coating such as Specification 108 by "Epokor" or by an alternative coating system . Surface preparation shall not be by dipping the items into solvent.
4. The color of the distribution test station body coating shall be black (RAL-9005). The painted and approved unit shall be transported to site in suitable containers to prevent damage to finished coating.
5. Any coating repairs shall be according to instructions. In case that a specific provides special coating for repairs on site, then only this coating shall be used.
6. The reinforced polyester junction box shall be coating by "Tamaglas" paint produced by Tambur or equivalent. Minimum thickness shall be 100 microns. Application of the coating according to the manufacturer's instructions.
7. All bolts and screws for joining the junction box to the distribution test station shall be galvanized. At areas less distant from the sea-shore than 1 (one) kilometer - stainless steel bolts and screws shall be used. The separation of the stainless steel parts from the hot-dip galvanized body of the post shall be by rubber or plastic separation sheets cut to shape.
8. To prevent mechanical damage to coating surfaces and to the reinforced fiberglass box - the distribution test station shall be packed in suitable enclosures prior to transporting to site.

מחבר	תאריך	תיאור שינוי	מס' שינוי
Signature	Date	Description	No.

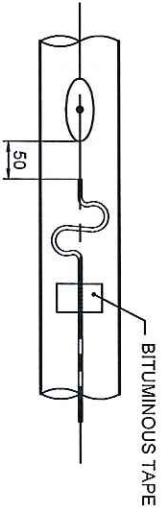
Revisions

PROJECT: ISRAEL NATURAL GAS LINES LTD (INGL.)
STANDARDS

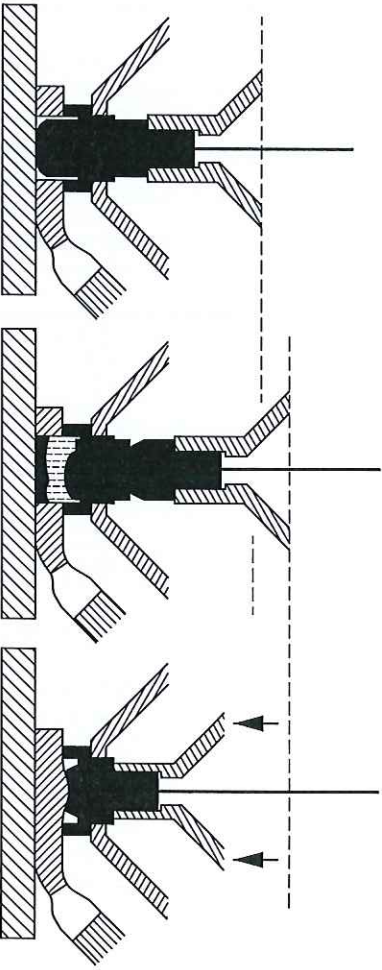
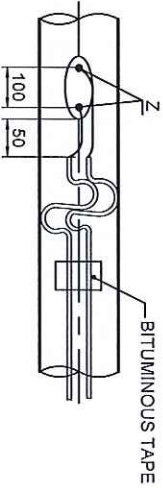
DRAWING NAME: STANDARD TEST BOX FOR CATHODIC PROTECTION

DRAWING No: 1010INGLECPDDT1209		DSC. TYPE		DSC. NUMBER	
Design	Drawn	Check	Appr.	ING.	SCALE
Name: IKANTOR	F. GRINBERG	R. LUKIN	A. ADUT		REV.
Sign:					P1
Date:	05.10.2011	05.10.2011	05.10.2011		

SINGLE-CORE CABLE CONNECTION TYPE A



TWO-CORE CABLE CONNECTION TYPE B



a) Applying the solder pin onto pipeline using the solder gun

b) Releasing the solder pin onto pipeline using the solder gun

c) Applying the solder pin onto pipeline using the solder gun

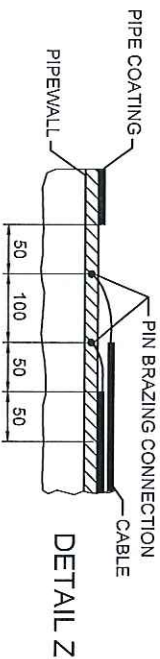
NOTES:

1. SYMBOL FOR CABLE CONNECTION TYPES



2. SITE COATING (OPTIONS)
- BUTYL RUBBER MASTIC PLUS THREE PLY PE-TAPES
- EPOXY RESIN KIT

3. ALL DIMENSIONS IN MILLIMETRES.



3c נאר

PROJECT:		ISRAEL NATURAL GAS LINES LTD (INGL.)	
DRAWING NAME:		CABLE TO PIPELINE CONNECTION BY PIN BRAZING	
DRAWING No.:		1010 INGLECPDDT1220	
DES. NO.	DES. TYPE	DES. NUMBER	DES. NUMBER
1010 INGLECPDDT1220			
Design	Drawn	Check	Appr.
IKANTOR	F. GRINBERG	RLUKIN	A.AUDT
Sign:			
Date	05.10.2011	05.10.2011	05.10.2011
Scale:		P1	