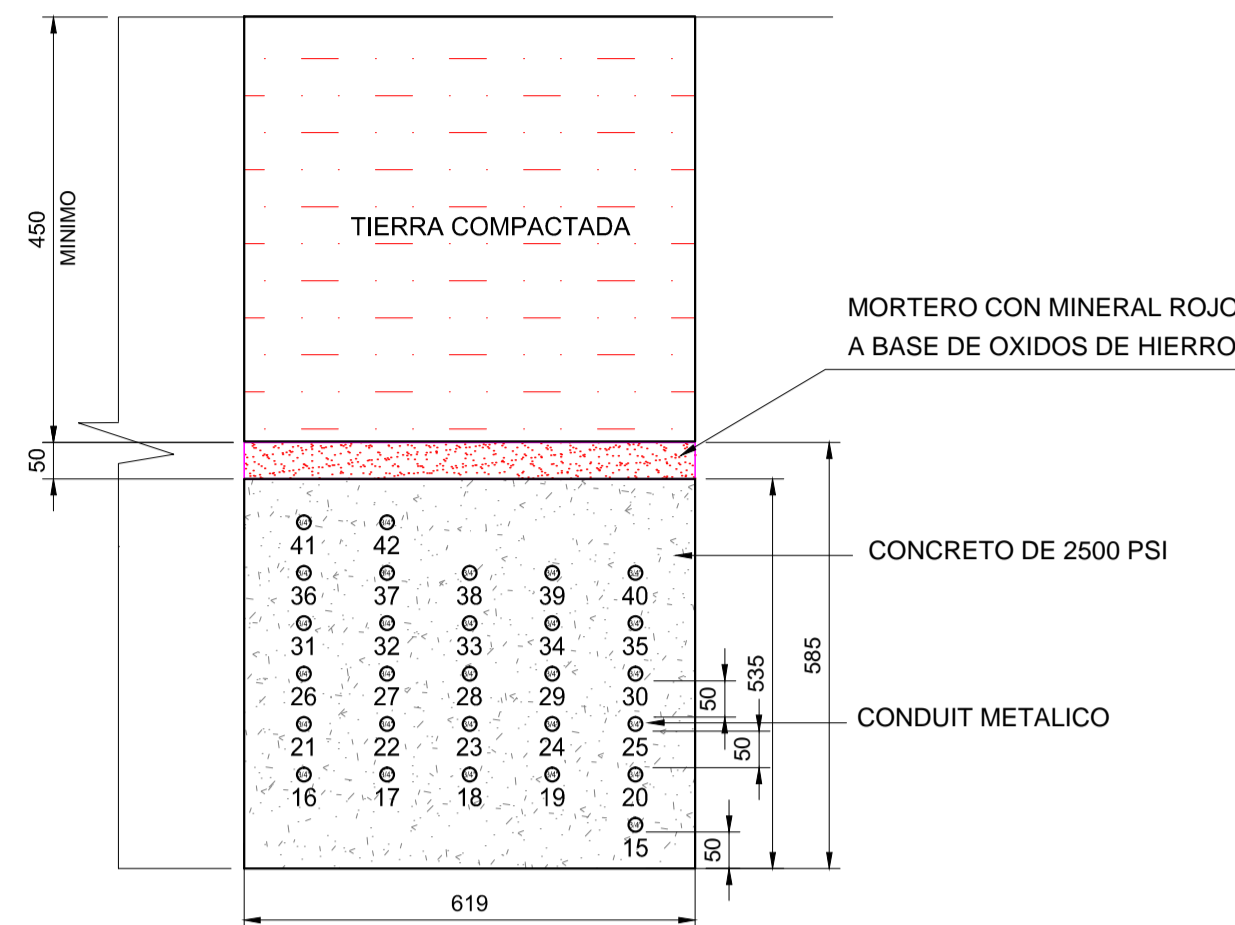


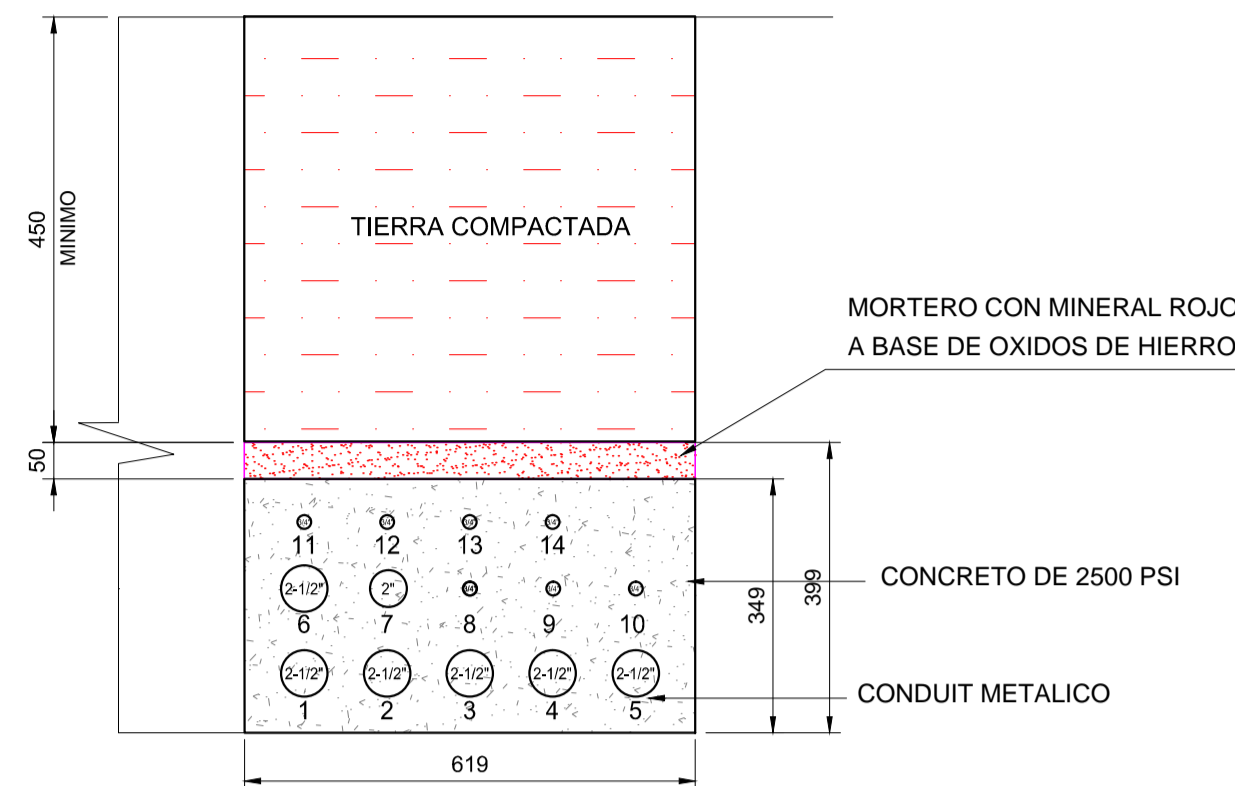
SECCION A-A

| ITEM | DIAMETRO | TAG          | TAG (Space Heater) | TAG (Botonera) | ITEM |
|------|----------|--------------|--------------------|----------------|------|
| 1    | 2-1/2"   | CP-NG-P-100  | CH-NG-P-100        | CC-NG-P-100    | 8    |
| 2    | 2-1/2"   | CP-NG-P-200  | CH-NG-P-200        | CC-NG-P-200    | 9    |
| 3    | 2-1/2"   | CP-NG-P-300  | CH-NG-P-300        | CC-NG-P-300    | 10   |
| 4    | 2-1/2"   | CP-LPG-P-101 | CH-LPG-P-101       | CC-LPG-P-101   | 11   |
| 5    | 2-1/2"   | CP-LPG-P-201 | CH-LPG-P-201       | CC-LPG-P-201   | 12   |
| 6    | 2-1/2"   | CP-LPG-P-301 | CH-LPG-P-301       | CC-LPG-P-301   | 13   |
| 7    | 2"       | CP-FL-P-102  | CH-FL-P-102        | CC-FL-P-102    | 14   |
| 15   | 3/4"     | CP-MOV-006   |                    |                |      |
| 16   | 3/4"     | CP-MOV-005   |                    |                |      |
| 17   | 3/4"     | CP-MOV-007   |                    |                |      |
| 18   | 3/4"     | CP-MOV-100   |                    |                |      |
| 19   | 3/4"     | CP-MOV-103   |                    |                |      |
| 20   | 3/4"     | CP-MOV-200   |                    |                |      |
| 21   | 3/4"     | CP-MOV-203   |                    |                |      |
| 22   | 3/4"     | CP-MOV-300   |                    |                |      |
| 23   | 3/4"     | CP-MOV-303   |                    |                |      |
| 24   | 3/4"     | CP-MOV-104   |                    |                |      |
| 25   | 3/4"     | CP-MOV-101   |                    |                |      |
| 26   | 3/4"     | CP-MOV-204   |                    |                |      |
| 27   | 3/4"     | CP-MOV-301   |                    |                |      |
| 28   | 3/4"     | CP-MOV-201   |                    |                |      |
| 29   | 3/4"     | CP-MOV-304   |                    |                |      |
| 30   | 3/4"     | CP-MOV-108   |                    |                |      |
| 31   | 3/4"     | CP-MOV-102   |                    |                |      |
| 32   | 3/4"     | CP-MOV-110   |                    |                |      |
| 33   | 3/4"     | CP-MOV-111   |                    |                |      |
| 34   | 3/4"     | CP-MOV-112   |                    |                |      |
| 35   | 3/4"     | CP-MOV-113   |                    |                |      |
| 36   | 3/4"     | CP-MOV-114   |                    |                |      |
| 37   | 3/4"     | CP-MOV-115   |                    |                |      |
| 38   | 3/4"     | CP-MOV-116   |                    |                |      |
| 39   | 3/4"     | CP-MOV-117   |                    |                |      |
| 40   | 3/4"     | CP-MOV-118   |                    |                |      |
| 41   | 3/4"     | CP-MOV-119   |                    |                |      |
| 42   | 3/4"     | RESERVA      |                    |                |      |



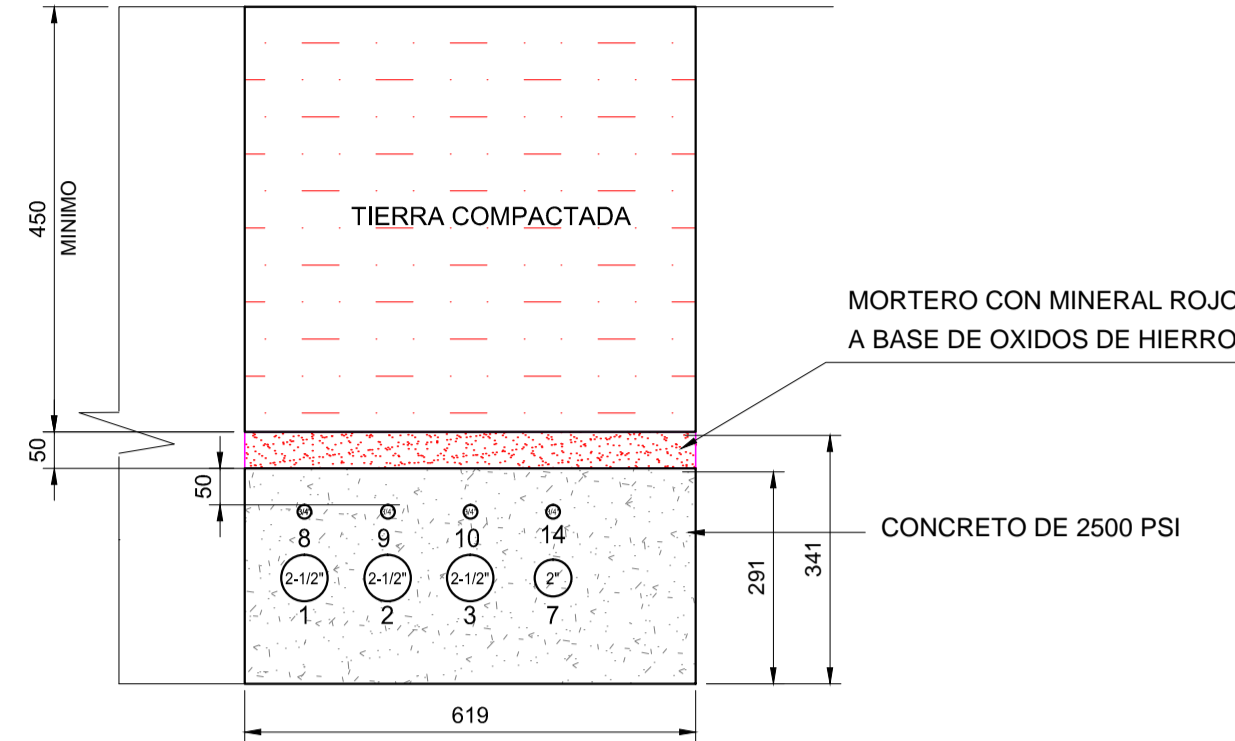
SECCION B-B

| ITEM | DIAMETRO | TAG        |
|------|----------|------------|
| 15   | 3/4"     | CP-MOV-006 |
| 16   | 3/4"     | CP-MOV-005 |
| 17   | 3/4"     | CP-MOV-007 |
| 18   | 3/4"     | CP-MOV-100 |
| 19   | 3/4"     | CP-MOV-103 |
| 20   | 3/4"     | CP-MOV-200 |
| 21   | 3/4"     | CP-MOV-203 |
| 22   | 3/4"     | CP-MOV-300 |
| 23   | 3/4"     | CP-MOV-303 |
| 24   | 3/4"     | CP-MOV-104 |
| 25   | 3/4"     | CP-MOV-101 |
| 26   | 3/4"     | CP-MOV-204 |
| 27   | 3/4"     | CP-MOV-301 |
| 28   | 3/4"     | CP-MOV-201 |
| 29   | 3/4"     | CP-MOV-304 |
| 30   | 3/4"     | CP-MOV-108 |
| 31   | 3/4"     | CP-MOV-102 |
| 32   | 3/4"     | CP-MOV-110 |
| 33   | 3/4"     | CP-MOV-111 |
| 34   | 3/4"     | CP-MOV-112 |
| 35   | 3/4"     | CP-MOV-113 |
| 36   | 3/4"     | CP-MOV-114 |
| 37   | 3/4"     | CP-MOV-115 |
| 38   | 3/4"     | CP-MOV-116 |
| 39   | 3/4"     | CP-MOV-117 |
| 40   | 3/4"     | CP-MOV-118 |
| 41   | 3/4"     | CP-MOV-119 |
| 42   | 3/4"     | RESERVA    |



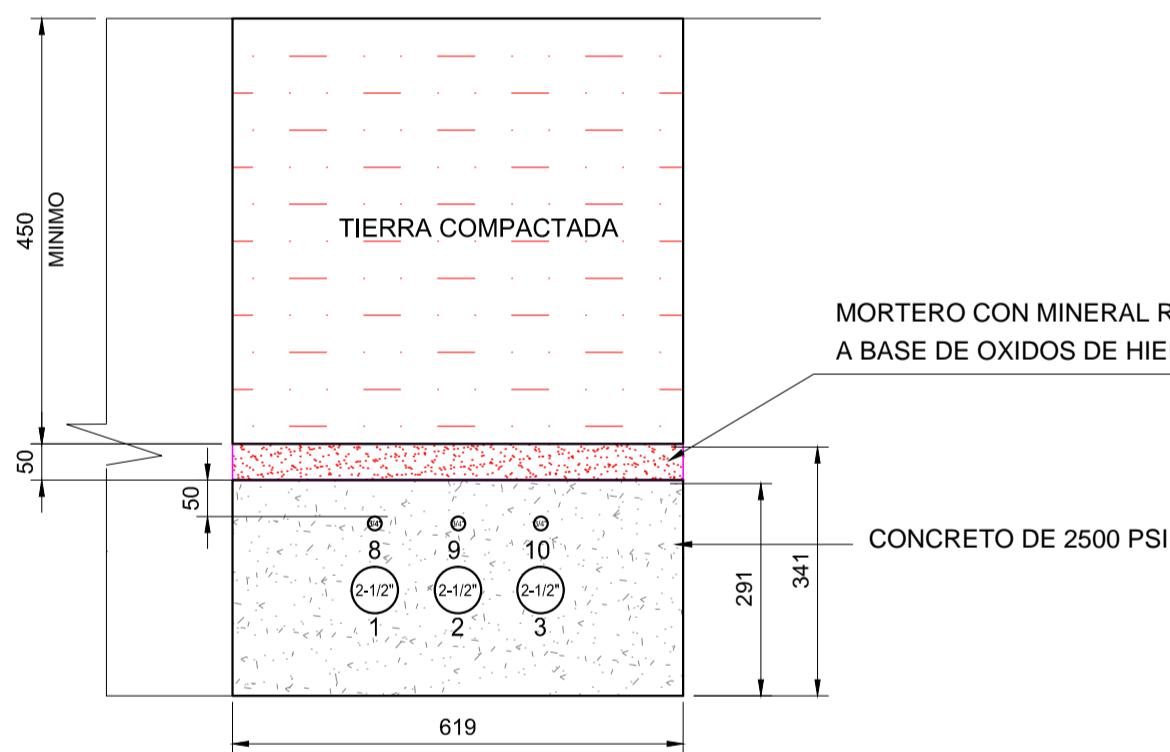
SECCION C-C

| ITEM | DIAMETRO | TAG          | TAG (Space Heater) | TAG (Botonera) | ITEM |
|------|----------|--------------|--------------------|----------------|------|
| 1    | 2-1/2"   | CP-NG-P-100  | CH-NG-P-100        | CC-NG-P-100    | 8    |
| 2    | 2-1/2"   | CP-NG-P-200  | CH-NG-P-200        | CC-NG-P-200    | 9    |
| 3    | 2-1/2"   | CP-NG-P-300  | CH-NG-P-300        | CC-NG-P-300    | 10   |
| 4    | 2-1/2"   | CP-LPG-P-101 | CH-LPG-P-101       | CC-LPG-P-101   | 11   |
| 5    | 2-1/2"   | CP-LPG-P-201 | CH-LPG-P-201       | CC-LPG-P-201   | 12   |
| 6    | 2-1/2"   | CP-LPG-P-301 | CH-LPG-P-301       | CC-LPG-P-301   | 13   |
| 7    | 2"       | CP-FL-P-102  | CH-FL-P-102        | CC-FL-P-102    | 14   |



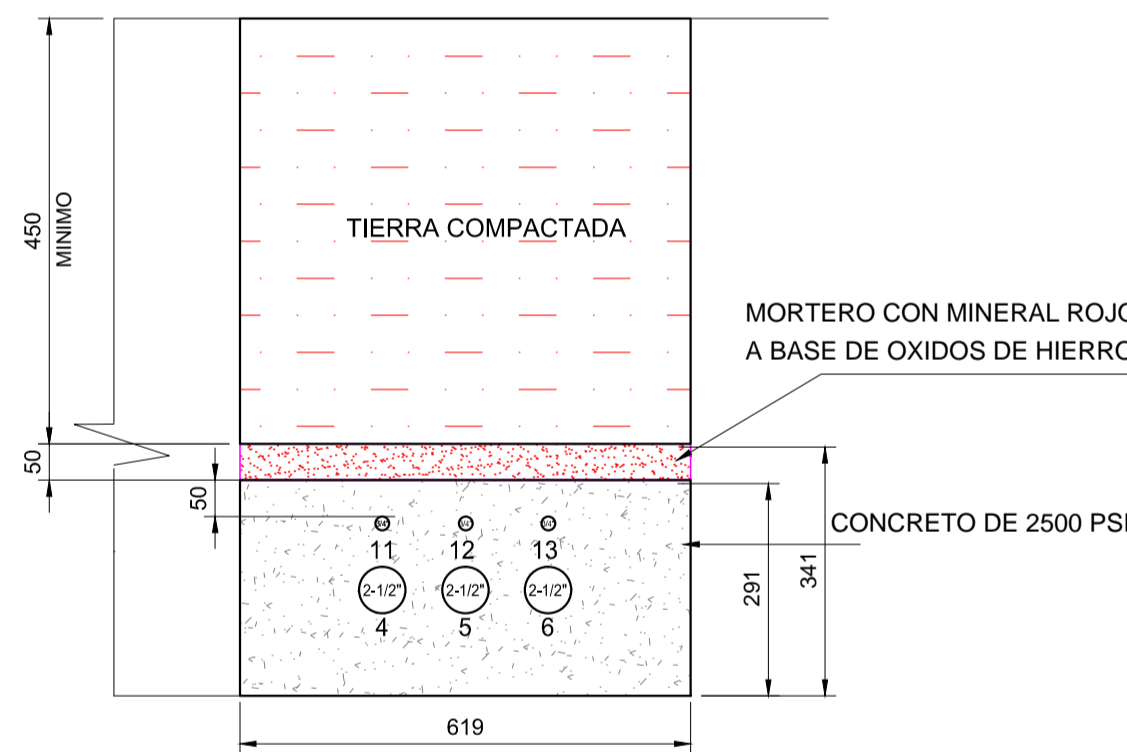
SECCION D-D

| ITEM | DIAMETRO | TAG         | TAG (Space Heater) | TAG (Botonera) | ITEM |
|------|----------|-------------|--------------------|----------------|------|
| 1    | 2-1/2"   | CP-NG-P-100 | CH-NG-P-100        | CC-NG-P-100    | 8    |
| 2    | 2-1/2"   | CP-NG-P-200 | CH-NG-P-200        | CC-NG-P-200    | 9    |
| 3    | 2-1/2"   | CP-NG-P-300 | CH-NG-P-300        | CC-NG-P-300    | 10   |
| 7    | 2"       | CP-FL-P-102 | CH-FL-P-102        | CC-FL-P-102    | 14   |



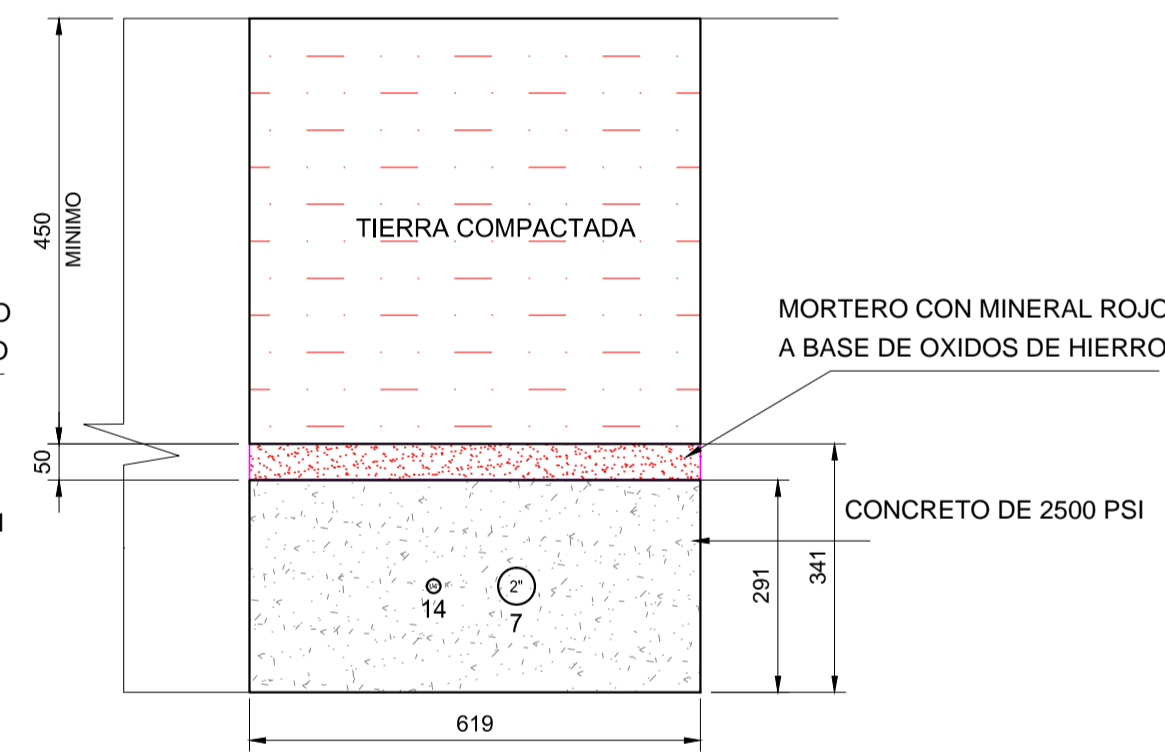
SECCION G-G

| ITEM | DIAMETRO | TAG         | TAG (Space Heater) | TAG (Botonera) | ITEM |
|------|----------|-------------|--------------------|----------------|------|
| 1    | 2-1/2"   | CP-NG-P-100 | CH-NG-P-100        | CC-NG-P-100    | 8    |
| 2    | 2-1/2"   | CP-NG-P-200 | CH-NG-P-200        | CC-NG-P-200    | 9    |
| 3    | 2-1/2"   | CP-NG-P-300 | CH-NG-P-300        | CC-NG-P-300    | 10   |



SECCION F-F

| ITEM | DIAMETRO | TAG          | TAG (Space Heater) | TAG (Botonera) | ITEM |
|------|----------|--------------|--------------------|----------------|------|
| 4    | 2-1/2"   | CP-LPG-P-101 | CH-LPG-P-101       | CC-LPG-P-101   | 11   |
| 5    | 2-1/2"   | CP-LPG-P-201 | CH-LPG-P-201       | CC-LPG-P-201   | 12   |
| 6    | 2-1/2"   | CP-LPG-P-301 | CH-LPG-P-301       | CC-LPG-P-301   | 13   |



SECCION E-E

| ITEM | DIAMETRO | TAG         | TAG (Space Heater) | TAG (Botonera) | ITEM |
|------|----------|-------------|--------------------|----------------|------|
| 7    | 2"       | CP-FL-P-102 | CH-FL-P-102        | CC-FL-P-102    | 14   |



SIMBOLOGIA Y LEYENDAS

|  |                   |
|--|-------------------|
|  | BANCO DE DUCTOS   |
|  | TAG DE LOS CABLES |
|  | CABLE DE POTENCIA |

NOTAS GENERALES

1. TODAS LAS DIMENSIONES ESTAN EXPRESADAS EN MILIMETROS EXCEPTO DONDE SE INDIQUE OTRA UNIDAD.
2. LAS SEPARACIONES AQUI INDICADAS CORRESPONDEN A VALORES MINIMOS.
3. LAS SEPARACIONES ENTRE PAREDES EXTERIORES CONDUITS DE DIAMETRO 2" Y MENORES SERA 2". PARA DIAMETROS MAYORES SERA DE 3".
4. NIVELES APROXIMADOS. EN CASO DE OBSTRUCCION SE DEBE PASAR EL BANCO DE DUCTOS POR DEBAJO DEL OBSTACULO.
5. EN TODAS LAS SALIDAS DE LOS CONDUITS DE LOS BANCOS DE DUCTOS, HACIA AEREAS CLASIFICADAS, SE INSTALARAN SELLOS CORTAFUEGO APROBADOS PARA ZONA 2.
6. LA PROFUNDIDAD MINIMA DE ENTERRAMIENTO DE LOS BANCOS DE DUCTOS ES DE 450mm EN ZONAS DE TRANSITO PEATONAL Y DE 760mm EN ZONAS DE TRANSITO PESADO.
7. EL CONTRATISTA DESPUES DE HABER REALIZADO LA CANALIZACION ELECTRICA EN ZANJAS, DEBERA REALIZAR LA COMPACTACION DEL TERRENO SOBRE LAS MISMAS.

DOCUMENTOS DE REFERENCIA

1. SC-E01-EL-00-03-03 de 06
  2. SC-E01-EL-00-03-04 de 06
  1. SC-E01-EL-00-05-03 de 15
  4. SC-E01-EL-00-06-03 de 06
  5. SC-E01-EL-00-09-04 de 15
  6. SC-E01-EL-00-06-06 de 15
- DIAGRAMAS UNIFILARES ( CASETA DE CONTROL Y DISTRIBUCION ELECTRICA - SUBESTACION "E" RGE8B )  
DIAGRAMAS ESQUEMATICOS CCM (CASETA DE CONTROL Y DISTRIBUCION ELECTRICA )  
PLOT PLAN ELECTRICO  
PLANO DE DISPOSICION DE GABINETES (CASETA DE CONTROL Y DISTRIBUCION ELECTRICA )  
PLANO DE CLASIFICACION DE AREAS PELIGROSAS - VISTA EN PLANTA (CASETA DE CONTROL Y DISTRIBUCION ELECTRICA )  
PLANO DE CANALIZACIONES EXTERIORES (CASETA DE CONTROL Y DISTRIBUCION ELECTRICA )

|                      |                 |
|----------------------|-----------------|
| YPFB TRANSPORTE S.A. |                 |
| GERENTE DE PROV.:    | Roger Parra     |
| REVISOR 1:           | Mario Kaune     |
| REVISOR 2:           | Marcelo Canavie |
| REVISOR 3:           |                 |
| CONTRATISTA          |                 |
| GERENTE DE PROV.:    | Xavier Rojas    |
| REVISOR 1:           | Bruno Gonzales  |
| REVISOR 2:           | Andres Carrillo |
| REVISOR 3:           | David Pinto     |

|   |           |              |             |          |        |                 |  |
|---|-----------|--------------|-------------|----------|--------|-----------------|--|
| 26-Dic-17   | R. Zarate | B. Rodriguez | B. Gonzales | X. Rojas | A      | Para aprobacion | BOLPEGAS SRL   |
| FECHA   | DIBUJO    | Calificado   | Revisor     | APROBO   | REV N° | DESCRIPCION     | EMPRESA  |
|   |           |              |             |          |        |                 |  |
| Proyecto: <b>Ingenieria Basica y de Detalle Mejoras Operativas de Terminal Santa Cruz</b> |           |              |             |          |        |                 | Ubicación: <b>Terminal Santa Cruz</b><br>Etapa: <b>Diseño para construcción</b><br>Código: <b>SC-E01-EL-00-06-08 de 15</b><br>Escala: <b>N/A</b><br>Formato: <b>A1 : 594 mm x 841 mm</b> |
| Título del Plano: <b>PLANO DE ZANJAS Y CÁMARAS ELÉCTRICAS</b>                             |           |              |             |          |        |                 |  |