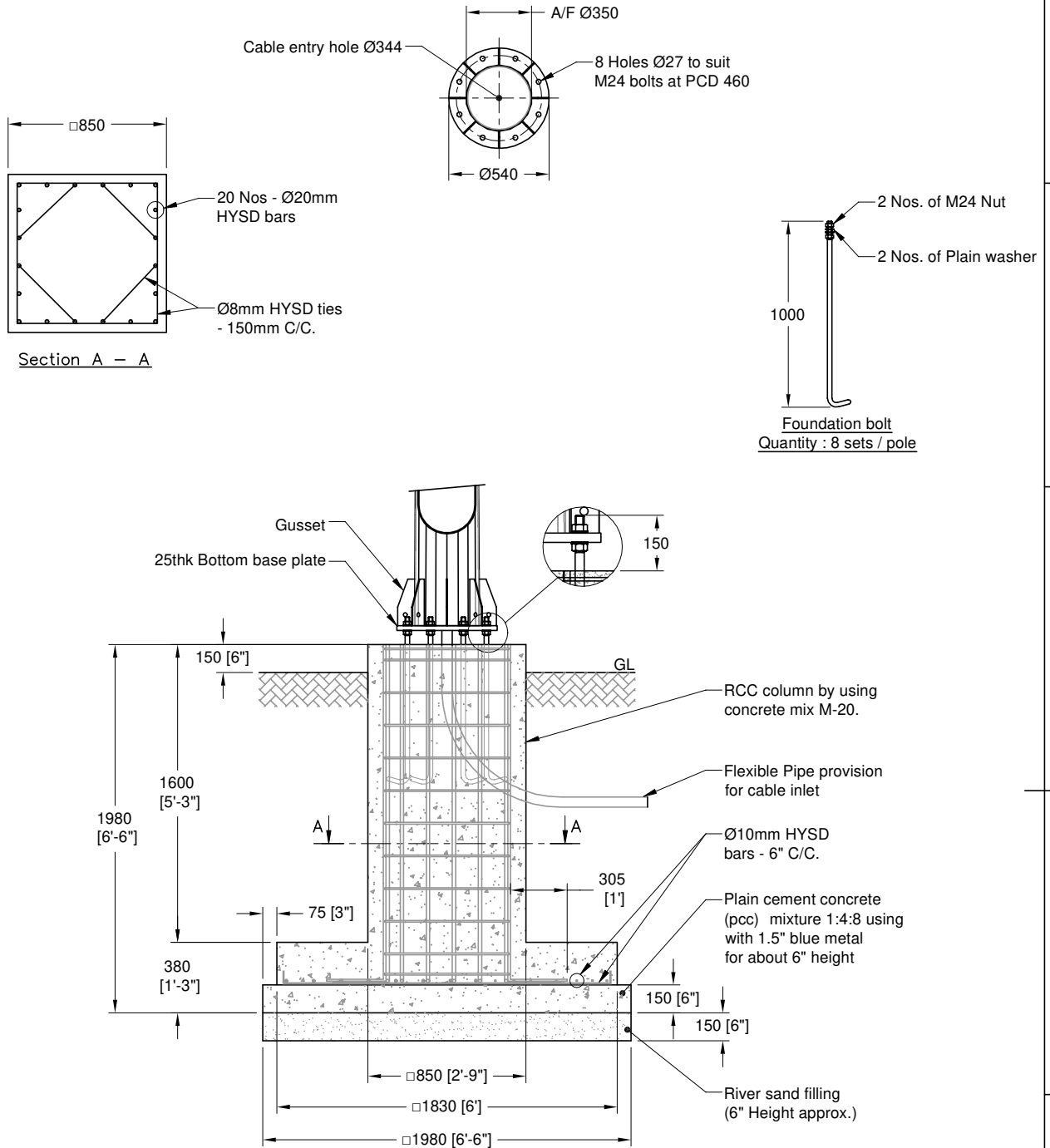
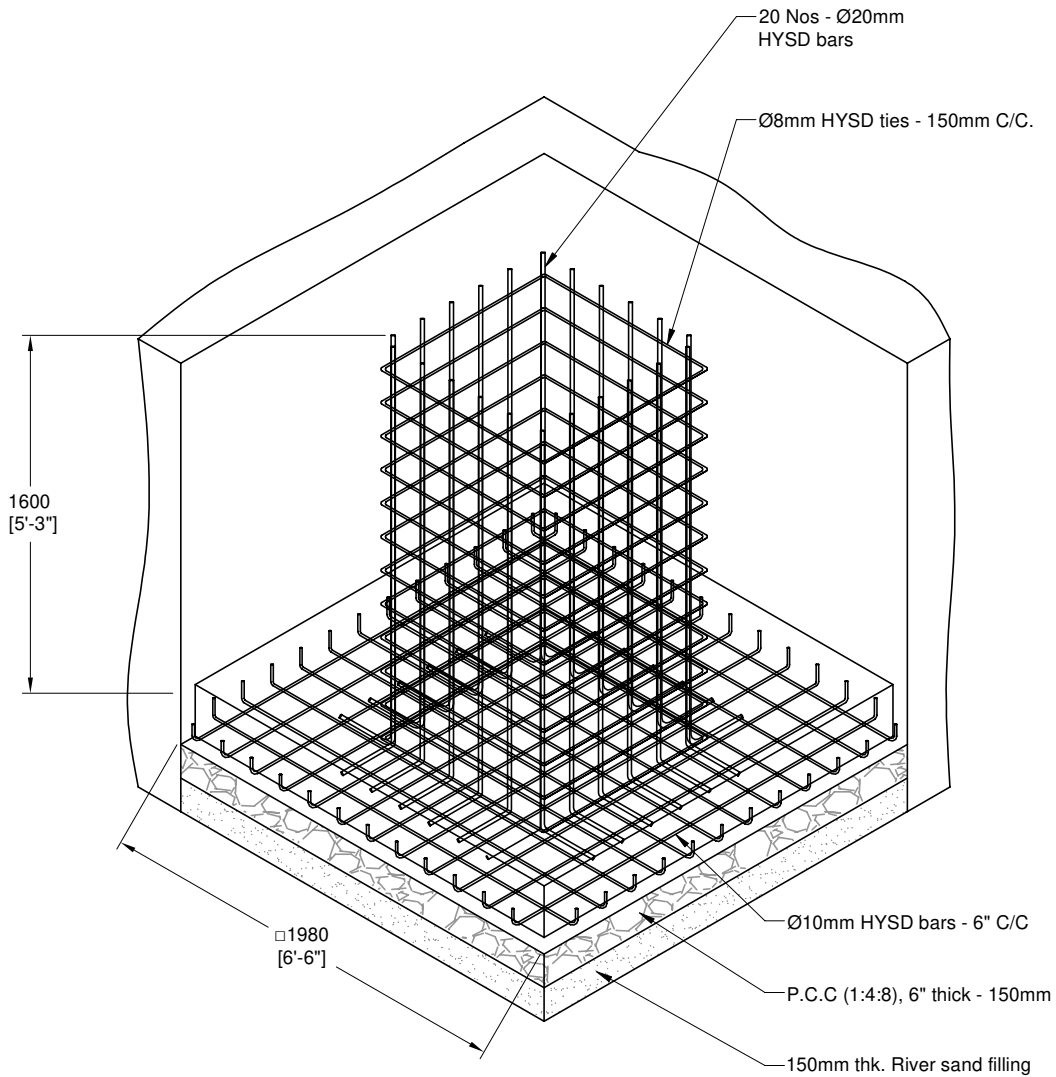




|          |                                 |          |             |     |      |
|----------|---------------------------------|----------|-------------|-----|------|
| 04.      | FOUNDATION BOLT HEIGHT CHANGED  | 11-10-19 | THIRUPPATHI |     |      |
| 03.      | COMPANY NAME REVISED            | 22-04-17 | NISANTH     |     |      |
| 02.      | FOUNDATION SPEC DETAILS REVISED | 20-08-16 | SATHISH     |     |      |
| 01.      | FOUNDATION SPEC DETAILS REVISED | 19-02-16 | SATHISH     |     |      |
| REV. No. | REVISION DETAILS                | DATE     | REVISED     | CHD | APPD |

|                                             |         |          |                  |                 |               |                                                                                               |           |                 |  |  |
|---------------------------------------------|---------|----------|------------------|-----------------|---------------|-----------------------------------------------------------------------------------------------|-----------|-----------------|--|--|
| DRAWN<br>SELVA                              | CHECKED | APPROVED | DATE<br>14-07-15 | SCALE<br>1 : 35 | MATERIAL<br>- | Z:\KP\005.FOUNDATION DETAILS\KP - DFD - 069 (KP-55)\16m HIGH MAST\KP - DFD - 069-B REV 04.dwg |           |                 |  |  |
| <b>K-LITE INDUSTRIES</b><br>CHENNAI-600 058 |         |          |                  |                 |               | DETAILED FOUNDATION DRAWING FOR KP - 55.2<br>16m - HIGH MAST                                  |           |                 |  |  |
|                                             |         |          |                  |                 |               | DRG. NO.<br>KP-DFD-069-B                                                                      | REV<br>04 | SHEET<br>1 of 3 |  |  |

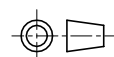
**Note: -**

- The grade of concrete mix for all R.C.C. works shall be M-20 conforming to IS 456 - 2000.
- Reinf. steel shall be HYSD bars conforming to 1786 - 1985 with minimum yield strength of 415 N/mm<sup>2</sup> (grade Fe415).
- Clear cover to the main reinforcement  
Isolated Footing = 2" / 50mm  
Columns = 1.5" / 40mm
- Potable water should be used for all the concrete works.
- Use 2" needle vibrators for all RCC works.
- Before pouring concrete the reinforcement tied & laid should be checked by a structural engineer.

|          |                                 |          |             |     |      |
|----------|---------------------------------|----------|-------------|-----|------|
| 04.      | FOUNDATION BOLT HEIGHT CHANGED  | 11-10-19 | THIRUPPATHI |     |      |
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| REV. No. | REVISION DETAILS                | DATE     | REVISED     | CHD | APPD |

|                |         |          |                  |                 |               |
|----------------|---------|----------|------------------|-----------------|---------------|
| DRAWN<br>SELVA | CHECKED | APPROVED | DATE<br>14-07-15 | SCALE<br>1 : 35 | MATERIAL<br>- |
|----------------|---------|----------|------------------|-----------------|---------------|

Z:\KP\005.FOUNDATION DETAILS\KP - DFD - 069 (KP-55)\16m HIGH MAST\KP - DFD - 069-B REV 04.dwg

DETAILED FOUNDATION DRAWING FOR KP - 55.2  
16m - HIGH MAST**K-LITE****K-LITE INDUSTRIES**  
CHENNAI-600 058

DRG. NO.

KP-DFD-069-B

REV  
04SHEET  
2 of 3

| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                    | 2 IF IN DOUBT ASK.                                                                 |             | DO NOT SCALE.            |                 | 3          |              | 4 |  |       |                                |          |             |                                                                                                                 |         |     |                                                                                                                                  |          |         |                                                                                                                  |         |     |                                                                                                                                                                    |          |         |                                                                              |        |     |                                 |          |         |  |  |          |                  |      |         |     |      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------|--------------------------|-----------------|------------|--------------|---|--|-------|--------------------------------|----------|-------------|-----------------------------------------------------------------------------------------------------------------|---------|-----|----------------------------------------------------------------------------------------------------------------------------------|----------|---------|------------------------------------------------------------------------------------------------------------------|---------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|------------------------------------------------------------------------------|--------|-----|---------------------------------|----------|---------|--|--|----------|------------------|------|---------|-----|------|
| DWG. No. : KP-DFD-069-B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                    | SHEET No. : 3 of 3                                                                 |             | ALL DIMENSIONS ARE IN mm |                 |            |              |   |  |       |                                |          |             |                                                                                                                 |         |     |                                                                                                                                  |          |         |                                                                                                                  |         |     |                                                                                                                                                                    |          |         |                                                                              |        |     |                                 |          |         |  |  |          |                  |      |         |     |      |
| <div>ABSTRACT ESTIMATE</div> <div>BILL OF MATERIAL FOR THE FOUNDATION OF PROPOSED CONSTRUCTION OF 16m HIGH MAST</div> <table><thead><tr><th>S.No.</th><th>DESCRIPTION OF WORK</th><th>QUANTITY</th></tr></thead><tbody><tr><td>01.</td><td>Earthwork excavation for column foundation in all kind of soils including cost of materials and labour charges.</td><td>8.35 M³</td></tr><tr><td>02.</td><td>Sand filling for column foundation using river sand including cost of materials, labour charges spreading and consolidating etc.</td><td>0.60 M³</td></tr><tr><td>03.</td><td>PCC 1:4:8 using 40mm stone jelly below column footing foundation including cost of materials and labour charges.</td><td>0.60 M³</td></tr><tr><td>04.</td><td>RCC 1:2:3 (M20) for column footing &amp; column using 20mm stone jelly including cost of materials &amp; labour charges, excluding steel, but including centering charges.</td><td>2.43 M³</td></tr><tr><td>05.</td><td>Steel for all RCC works including barbending, tying and placing in position.</td><td>157 kg</td></tr></tbody></table> |                                                                                                                                                                    |                                                                                    |             |                          |                 |            |              |   |  | S.No. | DESCRIPTION OF WORK            | QUANTITY | 01.         | Earthwork excavation for column foundation in all kind of soils including cost of materials and labour charges. | 8.35 M³ | 02. | Sand filling for column foundation using river sand including cost of materials, labour charges spreading and consolidating etc. | 0.60 M³  | 03.     | PCC 1:4:8 using 40mm stone jelly below column footing foundation including cost of materials and labour charges. | 0.60 M³ | 04. | RCC 1:2:3 (M20) for column footing & column using 20mm stone jelly including cost of materials & labour charges, excluding steel, but including centering charges. | 2.43 M³  | 05.     | Steel for all RCC works including barbending, tying and placing in position. | 157 kg |     |                                 |          |         |  |  |          |                  |      |         |     |      |
| S.No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | DESCRIPTION OF WORK                                                                                                                                                | QUANTITY                                                                           |             |                          |                 |            |              |   |  |       |                                |          |             |                                                                                                                 |         |     |                                                                                                                                  |          |         |                                                                                                                  |         |     |                                                                                                                                                                    |          |         |                                                                              |        |     |                                 |          |         |  |  |          |                  |      |         |     |      |
| 01.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Earthwork excavation for column foundation in all kind of soils including cost of materials and labour charges.                                                    | 8.35 M³                                                                            |             |                          |                 |            |              |   |  |       |                                |          |             |                                                                                                                 |         |     |                                                                                                                                  |          |         |                                                                                                                  |         |     |                                                                                                                                                                    |          |         |                                                                              |        |     |                                 |          |         |  |  |          |                  |      |         |     |      |
| 02.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Sand filling for column foundation using river sand including cost of materials, labour charges spreading and consolidating etc.                                   | 0.60 M³                                                                            |             |                          |                 |            |              |   |  |       |                                |          |             |                                                                                                                 |         |     |                                                                                                                                  |          |         |                                                                                                                  |         |     |                                                                                                                                                                    |          |         |                                                                              |        |     |                                 |          |         |  |  |          |                  |      |         |     |      |
| 03.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | PCC 1:4:8 using 40mm stone jelly below column footing foundation including cost of materials and labour charges.                                                   | 0.60 M³                                                                            |             |                          |                 |            |              |   |  |       |                                |          |             |                                                                                                                 |         |     |                                                                                                                                  |          |         |                                                                                                                  |         |     |                                                                                                                                                                    |          |         |                                                                              |        |     |                                 |          |         |  |  |          |                  |      |         |     |      |
| 04.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | RCC 1:2:3 (M20) for column footing & column using 20mm stone jelly including cost of materials & labour charges, excluding steel, but including centering charges. | 2.43 M³                                                                            |             |                          |                 |            |              |   |  |       |                                |          |             |                                                                                                                 |         |     |                                                                                                                                  |          |         |                                                                                                                  |         |     |                                                                                                                                                                    |          |         |                                                                              |        |     |                                 |          |         |  |  |          |                  |      |         |     |      |
| 05.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Steel for all RCC works including barbending, tying and placing in position.                                                                                       | 157 kg                                                                             |             |                          |                 |            |              |   |  |       |                                |          |             |                                                                                                                 |         |     |                                                                                                                                  |          |         |                                                                                                                  |         |     |                                                                                                                                                                    |          |         |                                                                              |        |     |                                 |          |         |  |  |          |                  |      |         |     |      |
| <table><tbody><tr><td>04.</td><td>FOUNDATION BOLT HEIGHT CHANGED</td><td>11-10-19</td><td>THIRUPPATHI</td><td></td><td></td></tr><tr><td>03.</td><td>COMPANY NAME REVISED</td><td>22-04-17</td><td>NISANTH</td><td></td><td></td></tr><tr><td>02.</td><td>FOUNDATION SPEC DETAILS REVISED</td><td>20-08-16</td><td>SATHISH</td><td></td><td></td></tr><tr><td>01.</td><td>FOUNDATION SPEC DETAILS REVISED</td><td>19-02-16</td><td>SATHISH</td><td></td><td></td></tr><tr><td>REV. No.</td><td>REVISION DETAILS</td><td>DATE</td><td>REVISED</td><td>CHD</td><td>APPD</td></tr></tbody></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                    |                                                                                    |             |                          |                 |            |              |   |  | 04.   | FOUNDATION BOLT HEIGHT CHANGED | 11-10-19 | THIRUPPATHI |                                                                                                                 |         | 03. | COMPANY NAME REVISED                                                                                                             | 22-04-17 | NISANTH |                                                                                                                  |         | 02. | FOUNDATION SPEC DETAILS REVISED                                                                                                                                    | 20-08-16 | SATHISH |                                                                              |        | 01. | FOUNDATION SPEC DETAILS REVISED | 19-02-16 | SATHISH |  |  | REV. No. | REVISION DETAILS | DATE | REVISED | CHD | APPD |
| 04.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | FOUNDATION BOLT HEIGHT CHANGED                                                                                                                                     | 11-10-19                                                                           | THIRUPPATHI |                          |                 |            |              |   |  |       |                                |          |             |                                                                                                                 |         |     |                                                                                                                                  |          |         |                                                                                                                  |         |     |                                                                                                                                                                    |          |         |                                                                              |        |     |                                 |          |         |  |  |          |                  |      |         |     |      |
| 03.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | COMPANY NAME REVISED                                                                                                                                               | 22-04-17                                                                           | NISANTH     |                          |                 |            |              |   |  |       |                                |          |             |                                                                                                                 |         |     |                                                                                                                                  |          |         |                                                                                                                  |         |     |                                                                                                                                                                    |          |         |                                                                              |        |     |                                 |          |         |  |  |          |                  |      |         |     |      |
| 02.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | FOUNDATION SPEC DETAILS REVISED                                                                                                                                    | 20-08-16                                                                           | SATHISH     |                          |                 |            |              |   |  |       |                                |          |             |                                                                                                                 |         |     |                                                                                                                                  |          |         |                                                                                                                  |         |     |                                                                                                                                                                    |          |         |                                                                              |        |     |                                 |          |         |  |  |          |                  |      |         |     |      |
| 01.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | FOUNDATION SPEC DETAILS REVISED                                                                                                                                    | 19-02-16                                                                           | SATHISH     |                          |                 |            |              |   |  |       |                                |          |             |                                                                                                                 |         |     |                                                                                                                                  |          |         |                                                                                                                  |         |     |                                                                                                                                                                    |          |         |                                                                              |        |     |                                 |          |         |  |  |          |                  |      |         |     |      |
| REV. No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | REVISION DETAILS                                                                                                                                                   | DATE                                                                               | REVISED     | CHD                      | APPD            |            |              |   |  |       |                                |          |             |                                                                                                                 |         |     |                                                                                                                                  |          |         |                                                                                                                  |         |     |                                                                                                                                                                    |          |         |                                                                              |        |     |                                 |          |         |  |  |          |                  |      |         |     |      |
| DRAWN SELVA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                    | CHECKED                                                                            | APPROVED    | DATE 14-07-15            | SCALE 1 : 25    | MATERIAL - |              |   |  |       |                                |          |             |                                                                                                                 |         |     |                                                                                                                                  |          |         |                                                                                                                  |         |     |                                                                                                                                                                    |          |         |                                                                              |        |     |                                 |          |         |  |  |          |                  |      |         |     |      |
| K-LITE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                    | K-LITE INDUSTRIES                                                                  |             |                          | CHENNAI-600 058 |            |              |   |  |       |                                |          |             |                                                                                                                 |         |     |                                                                                                                                  |          |         |                                                                                                                  |         |     |                                                                                                                                                                    |          |         |                                                                              |        |     |                                 |          |         |  |  |          |                  |      |         |     |      |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                    | 2                                                                                  |             | 3                        |                 |            | 4            |   |  |       |                                |          |             |                                                                                                                 |         |     |                                                                                                                                  |          |         |                                                                                                                  |         |     |                                                                                                                                                                    |          |         |                                                                              |        |     |                                 |          |         |  |  |          |                  |      |         |     |      |
| Z:\KP005.FOUNDATION DETAILS\KP - DFD - 069 (KP-55)\16m HIGH MAST\KP - DFD - 069-B REV 04.dwg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                    | DETAILED FOUNDATION DRAWING FOR KP - 55.2<br>16m - HIGH MAST FOUNDATION SPEC SHEET |             |                          |                 |            |              |   |  |       |                                |          |             |                                                                                                                 |         |     |                                                                                                                                  |          |         |                                                                                                                  |         |     |                                                                                                                                                                    |          |         |                                                                              |        |     |                                 |          |         |  |  |          |                  |      |         |     |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                    | DRG. NO. KP-DFD-069-B                                                              |             |                          | REV 04          |            | SHEET 3 of 3 |   |  |       |                                |          |             |                                                                                                                 |         |     |                                                                                                                                  |          |         |                                                                                                                  |         |     |                                                                                                                                                                    |          |         |                                                                              |        |     |                                 |          |         |  |  |          |                  |      |         |     |      |