

## قرارات

**وزارة الكهرباء والطاقة**

قرار وزاري رقم ٥٦٩ لسنة ٢٠٠٨

صادر بتاريخ ٢٠٠٨/١١/١٨

**وزير الكهرباء والطاقة**

بعد الاطلاع على القانون رقم ٦٣ لسنة ١٩٧٤ بشأن منشآت قطاع الكهرباء والمعدل بالقانون رقم ٤٠٤ لسنة ١٩٩١ ولائحته التنفيذية؛

وعلى القانون رقم ١٦٤ لسنة ٢٠٠٠ بتحويل هيئة كهرباء مصر إلى شركة مساهمة مصرية؛ وعلى النظام الأساسي للشركة المصرية لنقل الكهرباء؛

وعلى مذكرة رئيس مجلس إدارة الشركة المصرية لنقل الكهرباء بتاريخ ٢٠٠٨/١١/٨؛

### **قرار:**

مادة ١ - يتم تنفيذ وإقامة الأبراج أرقام (١٧٦، ١٧٧، ١٧٨، ١٧٩، ١٨٠، ١٨١، ١٨٢، ١٨٣، ١٨٤، ١٨٥، ١٨٦، ١٨٧، ١٨٨، ١٨٩، ١٩٠، ١٩١، ١٩٢، ١٩٣، ١٩٤، ١٩٥، ١٩٦، ١٩٧، ١٩٨، ١٩٩، ١٩١) وشد الموصلات لعدد (٢) خط كهربائي هوائي جهد ١١ ك. ف صان الحجر الحسينية على الأراضي التي يمر بها هذان الخطان بمحافظة الشرقية ، وذلك طبقاً للمسار الموضح بالخريطة المساحية وكشف الملك الظاهرين لتلك الأراضي والرسومات الهندسية المرفقة ، ويكون تنفيذ الأعمال ، على النحو التالي :

رقم البرج	طراز البرج	أبعاد الحفر بالمتر	عدد الأرجل
١	G	٢×٢×٢	٢
٢	G	٢×٢×٢	٢

٤ الوقائع المصرية - العدد ٢٨٨ في ٢٠ ديسمبر سنة ٢٠٠٨

م	رقم البرج	طراز البرج	أبعاد الحفر بالเมตร	عدد الأرجل
٣	١١٧٨ ١٧٨ ب	G	٢×٢×٢	٢
٤	١١٧٩ ١٧٩ ب	G	٢×٢×٢	٢
٥	١١٨٠ ١٨٠ ب	G	٢×٢×٢	٢
٦	١١٨١ ١٨١ ب	GA 60	٢×٢×٢	٢
٧	١٣٧ ٣٧ ب	GA 60	٢×٢,٥×٢,٥	٢
٨	١٣٨ ٣٨ ب	GA 60	٢×٢,٥×٢,٥	٢
٩	١٣٩ ٣٩ ب	GA 30	٢×٢,٣×٢,٣	٢
١٠	١٤٠ ٤٠ ب	GA 30	٢×٢,٣×٢,٣	٢

\* أعمال الحفر لكل برج .

\* أعمال الخرسانة العادية لكل برج .

\* أعمال الخرسانة المسلحة لكل برج .

\* تركيب حديد الأبراج العلوى بارتفاع ١٢ م .

\* أعمال تركيب العازلات للأبراج وشد الموصلات وتركيب الأرضى .

مادة ٢ - على الشركة المصرية لنقل الكهرباء استكمال الإجراءات المقررة وفقاً لأحكام القانون رقم ٦٣ لسنة ١٩٧٤ المشار إليه وتعديلاته .

مادة ٣ - ينشر هذا القرار وملحقاته في الواقع المصرية ، وعلى جميع المختصين تنفيذه .

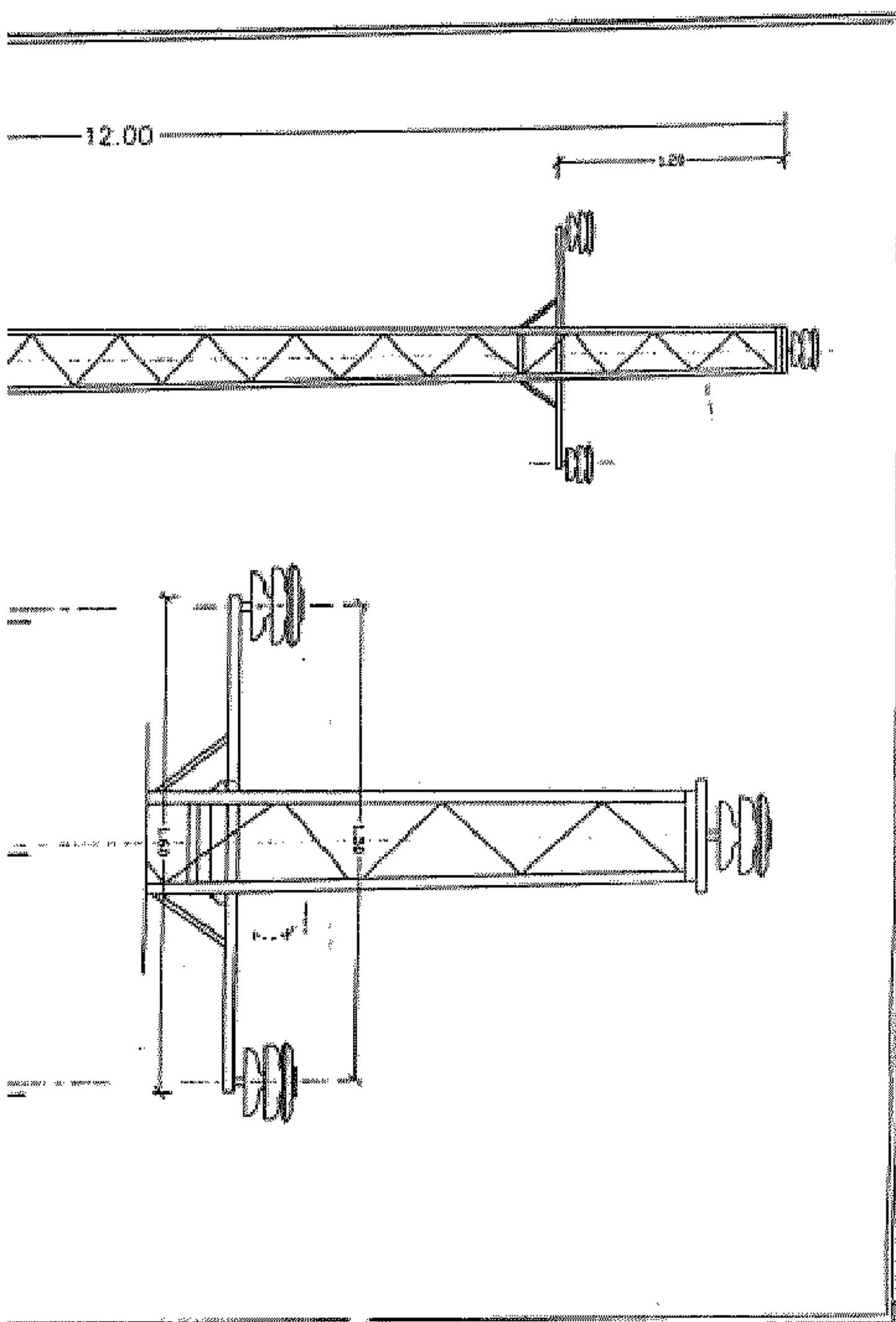
وزير الكهرباء والطاقة

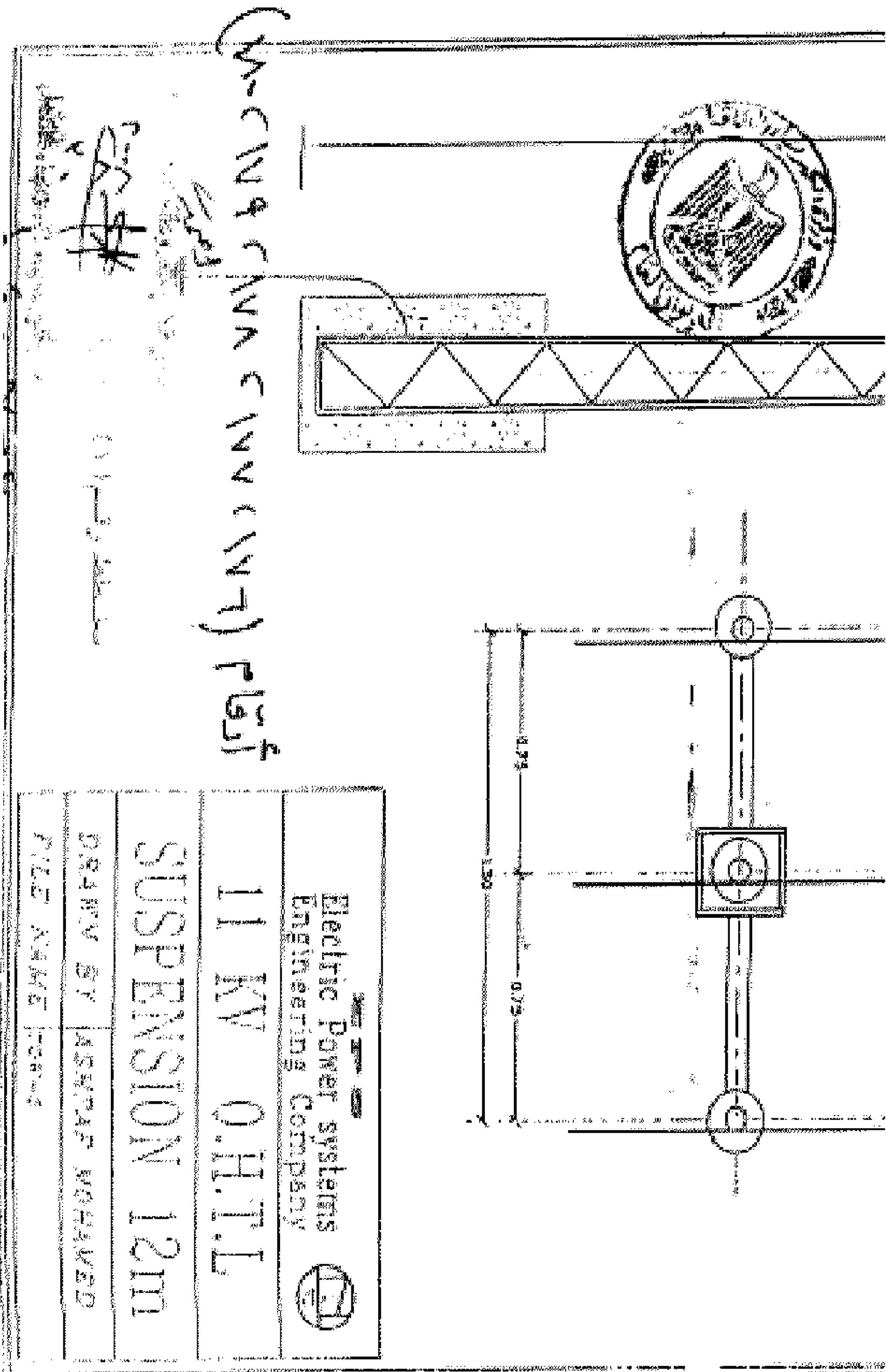
دكتور / حسن احمد يونس

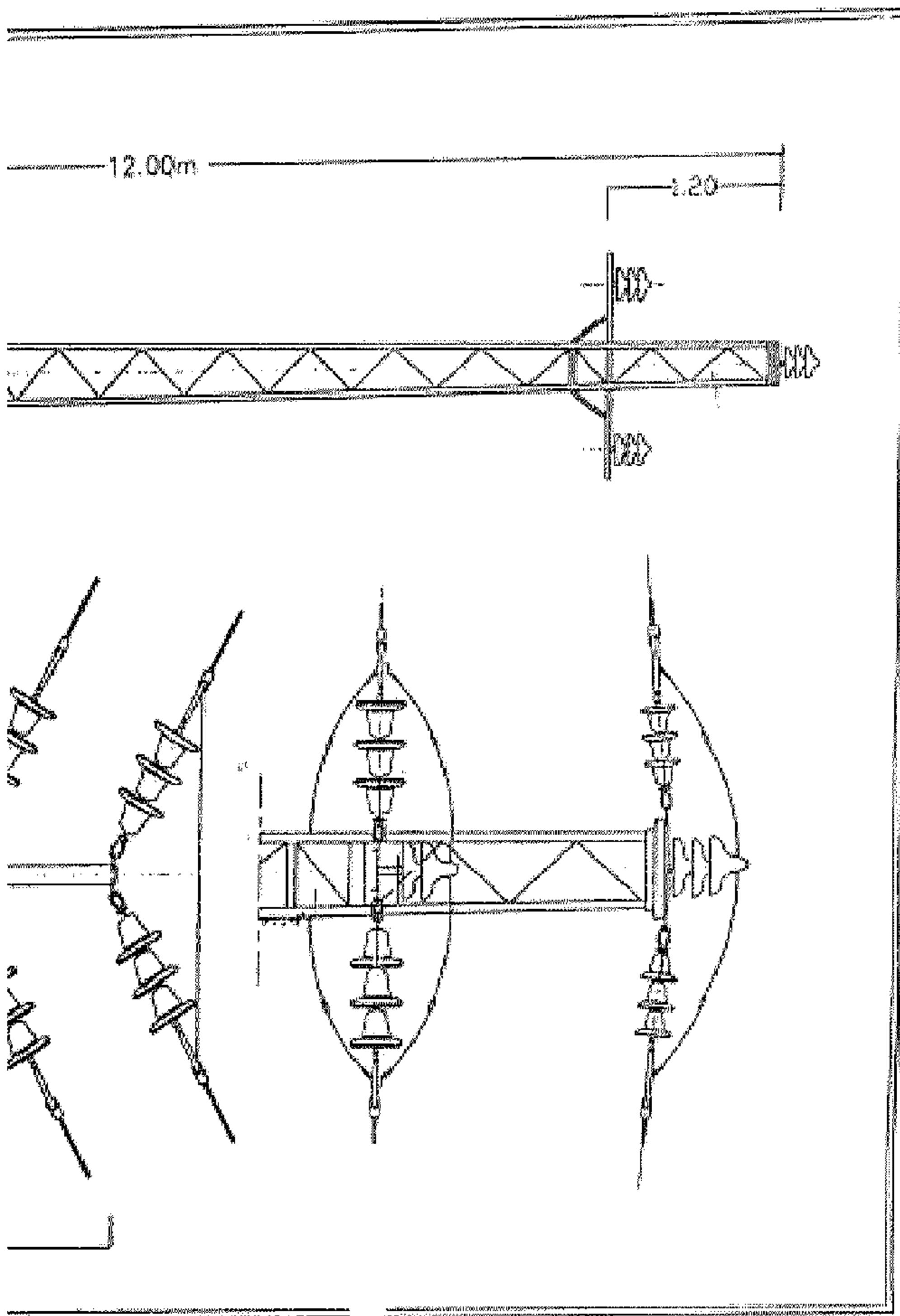
## كشف

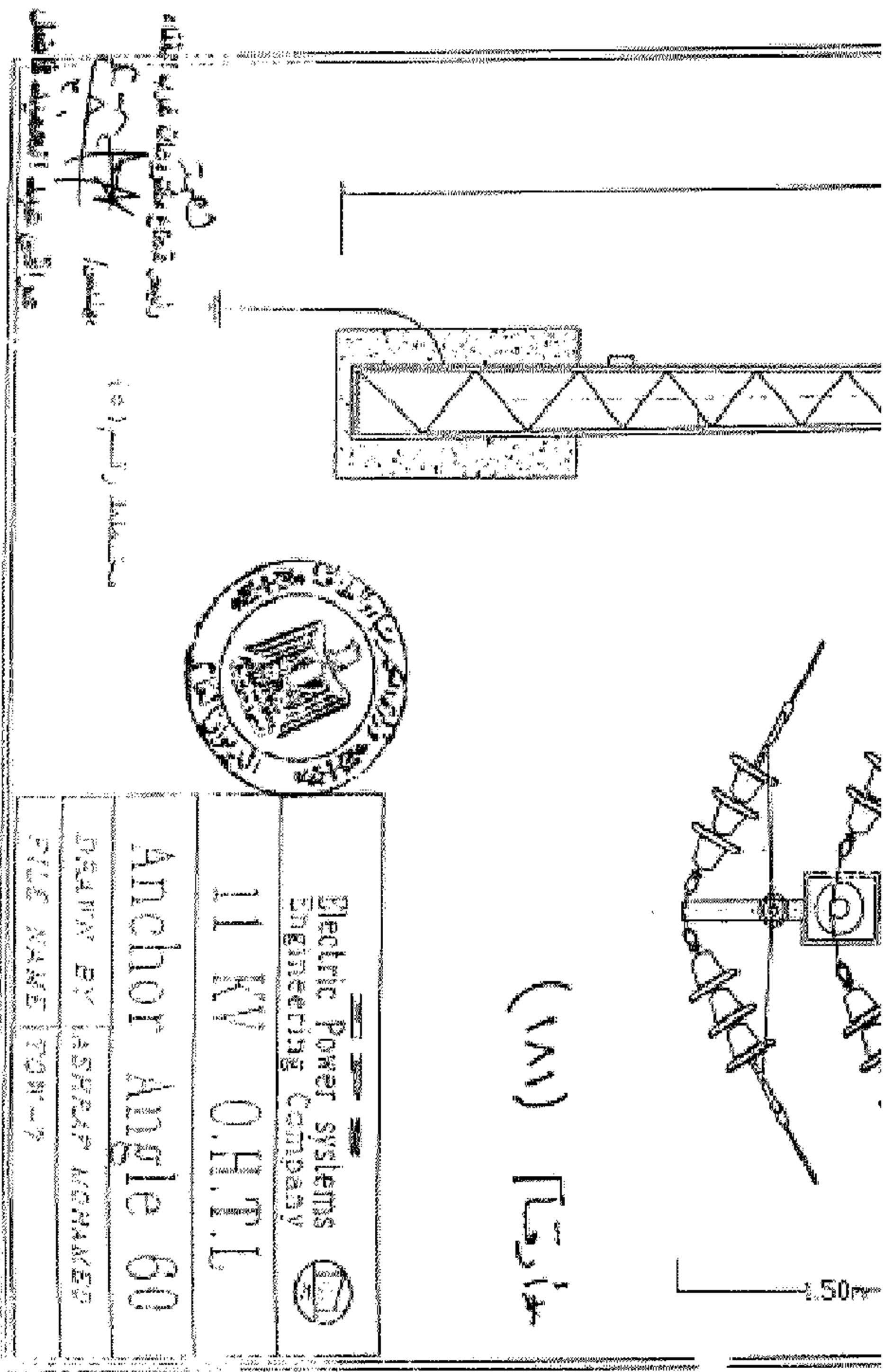
**بأسماء المالك الظاهرين المعترضين على تنفيذ الأبراج  
وشن الموصلات والأسلاك بين الأبراج للخط الكهربائي  
صان الحجر - الحسينية جهد ١١ ك. ف**

م	اسم صاحب الأرض المعرض على التنفيذ	رقم البرج	طراز البرج	المطقة الواقع بها البرج
١	السيد/ عبد المعيد عبد الستار عبد المعيد الطحاوى .	أ ١٧٦ ب ١٧٦	G	محافظة الشرقية - مركز الحسينية
٢	السيد/ عبد المعيد عبد الستار عبد المعيد الطحاوى .	أ ١٧٧ ب ١٧٧	G	محافظة الشرقية - مركز الحسينية
٣	السيد/ محمد جابر الطحاوى .	أ ١٧٨ ب ١٧٨	G	محافظة الشرقية - مركز الحسينية
٤	السيد/ محمد جابر الطحاوى .	أ ١٧٩ ب ١٧٩	G	محافظة الشرقية - مركز الحسينية
٥	السيد/ نبيل بشري الطحاوى .	أ ١٨٠ ب ١٨٠	G	محافظة الشرقية - مركز الحسينية
٦	السيد/ نبيل بشري الطحاوى .	أ ١٨١ ب ١٨١	G A 60	محافظة الشرقية - مركز الحسينية
٧	السيد/ محمد علي عبد الصمد .	أ ٣٧ ب ٣٧	G A 60	محافظة الشرقية - مركز الحسينية
٨	السيد/ محمد علي عبد الصمد .	أ ٣٨ ب ٣٨	G A 60	محافظة الشرقية - مركز الحسينية
٩	السيد/ محمد علي عبد الصمد .	أ ٣٩ ب ٣٩	G A 30	محافظة الشرقية - مركز الحسينية
١٠	السيد/ محمد علي عبد الصمد .	أ ٤٠ ب ٤٠	G A 30	محافظة الشرقية - مركز الحسينية









EER FOUNDATION TABLE			
DIN 4019 REINFORCEMENT			
S	A32	438	438
M	60x60	268/2	268
B			

Figures in mm. Reinforcement sizes in mm. Dimensions in mm.

Notes:

1 - Foundation base size calculated for load 1000 kg/m² and eccentricity =

- Maximum eccentricity = 1000 kg/m²

- Depth of foundation = 400 mm and thickness = 100 mm

- Foundation width = 400 mm

The dimension B is subject to varying by 10% up. Width and thickness

2 - Eccentricity of eccentricity should be made minimum by 100 mm.

3 - Reinforcement bars in the top surface should be fully bonded at 200 mm

at maximum eccentricity = 1000 kg/m²

4 - Spacing of 200 mm spacing should be used and spaced bar should have half

reinforcement bar located at 100 mm from the outer

5 - Anchorage must be done after the first 100 mm of the reinforcement spacing

6 - Anchorage shall be provided without stretching with 100 mm distance

in dimensions note that the design dimension

7 - Anchorage to be used based on DIN 4019-1992-1993-1994

8 - No dimension less than 100 mm

9 - All dimensions must be measured against the sketch figure

10 - Concrete shall be placed in 100 mm thickness in 300 mm

11 - Reinforcement bars = 60x60 mm² = 1000 kg/m²

12 - Concrete size should be designed to provide the required shear

strength = 1000 kg/m² = 300 kg/mm² = required shear resistance = 1000

13 - Minimum concrete cover for reinforcement bars should be 30 mm

14 - Maximum concrete cover for reinforcement bars should be 80 mm

15 - Maximum concrete cover for reinforcement bars should be 80 mm

16 - Maximum concrete cover for reinforcement bars should be 80 mm

17 - Maximum concrete cover for reinforcement bars should be 80 mm

18 - Maximum concrete cover for reinforcement bars should be 80 mm

19 - Maximum concrete cover for reinforcement bars should be 80 mm

20 - Maximum concrete cover for reinforcement bars should be 80 mm

21 - Maximum concrete cover for reinforcement bars should be 80 mm

22 - Maximum concrete cover for reinforcement bars should be 80 mm

23 - Maximum concrete cover for reinforcement bars should be 80 mm

24 - Maximum concrete cover for reinforcement bars should be 80 mm

25 - Maximum concrete cover for reinforcement bars should be 80 mm

26 - Maximum concrete cover for reinforcement bars should be 80 mm

27 - Maximum concrete cover for reinforcement bars should be 80 mm

28 - Maximum concrete cover for reinforcement bars should be 80 mm

29 - Maximum concrete cover for reinforcement bars should be 80 mm

30 - Maximum concrete cover for reinforcement bars should be 80 mm

31 - Maximum concrete cover for reinforcement bars should be 80 mm

32 - Maximum concrete cover for reinforcement bars should be 80 mm

33 - Maximum concrete cover for reinforcement bars should be 80 mm

34 - Maximum concrete cover for reinforcement bars should be 80 mm

35 - Maximum concrete cover for reinforcement bars should be 80 mm

36 - Maximum concrete cover for reinforcement bars should be 80 mm

37 - Maximum concrete cover for reinforcement bars should be 80 mm

38 - Maximum concrete cover for reinforcement bars should be 80 mm

39 - Maximum concrete cover for reinforcement bars should be 80 mm

40 - Maximum concrete cover for reinforcement bars should be 80 mm

41 - Maximum concrete cover for reinforcement bars should be 80 mm

42 - Maximum concrete cover for reinforcement bars should be 80 mm

43 - Maximum concrete cover for reinforcement bars should be 80 mm

44 - Maximum concrete cover for reinforcement bars should be 80 mm

45 - Maximum concrete cover for reinforcement bars should be 80 mm

46 - Maximum concrete cover for reinforcement bars should be 80 mm

47 - Maximum concrete cover for reinforcement bars should be 80 mm

48 - Maximum concrete cover for reinforcement bars should be 80 mm

49 - Maximum concrete cover for reinforcement bars should be 80 mm

50 - Maximum concrete cover for reinforcement bars should be 80 mm

51 - Maximum concrete cover for reinforcement bars should be 80 mm

52 - Maximum concrete cover for reinforcement bars should be 80 mm

53 - Maximum concrete cover for reinforcement bars should be 80 mm

54 - Maximum concrete cover for reinforcement bars should be 80 mm

55 - Maximum concrete cover for reinforcement bars should be 80 mm

56 - Maximum concrete cover for reinforcement bars should be 80 mm

57 - Maximum concrete cover for reinforcement bars should be 80 mm

58 - Maximum concrete cover for reinforcement bars should be 80 mm

59 - Maximum concrete cover for reinforcement bars should be 80 mm

60 - Maximum concrete cover for reinforcement bars should be 80 mm

61 - Maximum concrete cover for reinforcement bars should be 80 mm

62 - Maximum concrete cover for reinforcement bars should be 80 mm

63 - Maximum concrete cover for reinforcement bars should be 80 mm

64 - Maximum concrete cover for reinforcement bars should be 80 mm

65 - Maximum concrete cover for reinforcement bars should be 80 mm

66 - Maximum concrete cover for reinforcement bars should be 80 mm

67 - Maximum concrete cover for reinforcement bars should be 80 mm

68 - Maximum concrete cover for reinforcement bars should be 80 mm

69 - Maximum concrete cover for reinforcement bars should be 80 mm

70 - Maximum concrete cover for reinforcement bars should be 80 mm

71 - Maximum concrete cover for reinforcement bars should be 80 mm

72 - Maximum concrete cover for reinforcement bars should be 80 mm

73 - Maximum concrete cover for reinforcement bars should be 80 mm

74 - Maximum concrete cover for reinforcement bars should be 80 mm

75 - Maximum concrete cover for reinforcement bars should be 80 mm

76 - Maximum concrete cover for reinforcement bars should be 80 mm

77 - Maximum concrete cover for reinforcement bars should be 80 mm

78 - Maximum concrete cover for reinforcement bars should be 80 mm

79 - Maximum concrete cover for reinforcement bars should be 80 mm

80 - Maximum concrete cover for reinforcement bars should be 80 mm

81 - Maximum concrete cover for reinforcement bars should be 80 mm

82 - Maximum concrete cover for reinforcement bars should be 80 mm

83 - Maximum concrete cover for reinforcement bars should be 80 mm

84 - Maximum concrete cover for reinforcement bars should be 80 mm

85 - Maximum concrete cover for reinforcement bars should be 80 mm

86 - Maximum concrete cover for reinforcement bars should be 80 mm

87 - Maximum concrete cover for reinforcement bars should be 80 mm

88 - Maximum concrete cover for reinforcement bars should be 80 mm

89 - Maximum concrete cover for reinforcement bars should be 80 mm

90 - Maximum concrete cover for reinforcement bars should be 80 mm

91 - Maximum concrete cover for reinforcement bars should be 80 mm

92 - Maximum concrete cover for reinforcement bars should be 80 mm

93 - Maximum concrete cover for reinforcement bars should be 80 mm

94 - Maximum concrete cover for reinforcement bars should be 80 mm

95 - Maximum concrete cover for reinforcement bars should be 80 mm

96 - Maximum concrete cover for reinforcement bars should be 80 mm

97 - Maximum concrete cover for reinforcement bars should be 80 mm

98 - Maximum concrete cover for reinforcement bars should be 80 mm

99 - Maximum concrete cover for reinforcement bars should be 80 mm

100 - Maximum concrete cover for reinforcement bars should be 80 mm

101 - Maximum concrete cover for reinforcement bars should be 80 mm

102 - Maximum concrete cover for reinforcement bars should be 80 mm

103 - Maximum concrete cover for reinforcement bars should be 80 mm

104 - Maximum concrete cover for reinforcement bars should be 80 mm

105 - Maximum concrete cover for reinforcement bars should be 80 mm

106 - Maximum concrete cover for reinforcement bars should be 80 mm

107 - Maximum concrete cover for reinforcement bars should be 80 mm

108 - Maximum concrete cover for reinforcement bars should be 80 mm

109 - Maximum concrete cover for reinforcement bars should be 80 mm

110 - Maximum concrete cover for reinforcement bars should be 80 mm

111 - Maximum concrete cover for reinforcement bars should be 80 mm

112 - Maximum concrete cover for reinforcement bars should be 80 mm

113 - Maximum concrete cover for reinforcement bars should be 80 mm

114 - Maximum concrete cover for reinforcement bars should be 80 mm

115 - Maximum concrete cover for reinforcement bars should be 80 mm

116 - Maximum concrete cover for reinforcement bars should be 80 mm

117 - Maximum concrete cover for reinforcement bars should be 80 mm

118 - Maximum concrete cover for reinforcement bars should be 80 mm

119 - Maximum concrete cover for reinforcement bars should be 80 mm

120 - Maximum concrete cover for reinforcement bars should be 80 mm

121 - Maximum concrete cover for reinforcement bars should be 80 mm

122 - Maximum concrete cover for reinforcement bars should be 80 mm

123 - Maximum concrete cover for reinforcement bars should be 80 mm

124 - Maximum concrete cover for reinforcement bars should be 80 mm

125 - Maximum concrete cover for reinforcement bars should be 80 mm

126 - Maximum concrete cover for reinforcement bars should be 80 mm

127 - Maximum concrete cover for reinforcement bars should be 80 mm

128 - Maximum concrete cover for reinforcement bars should be 80 mm

129 - Maximum concrete cover for reinforcement bars should be 80 mm

130 - Maximum concrete cover for reinforcement bars should be 80 mm

131 - Maximum concrete cover for reinforcement bars should be 80 mm

132 - Maximum concrete cover for reinforcement bars should be 80 mm

133 - Maximum concrete cover for reinforcement bars should be 80 mm

134 - Maximum concrete cover for reinforcement bars should be 80 mm

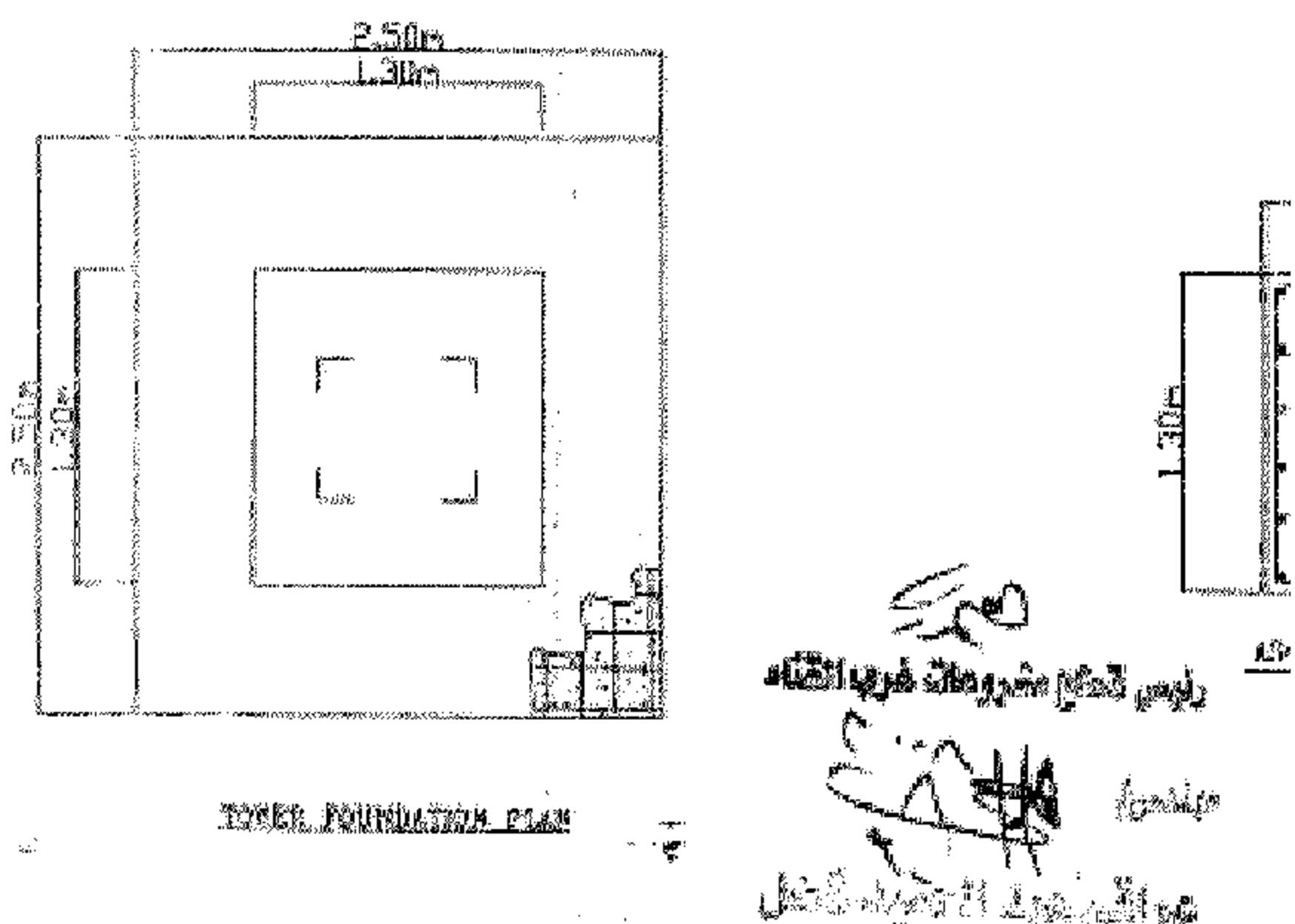
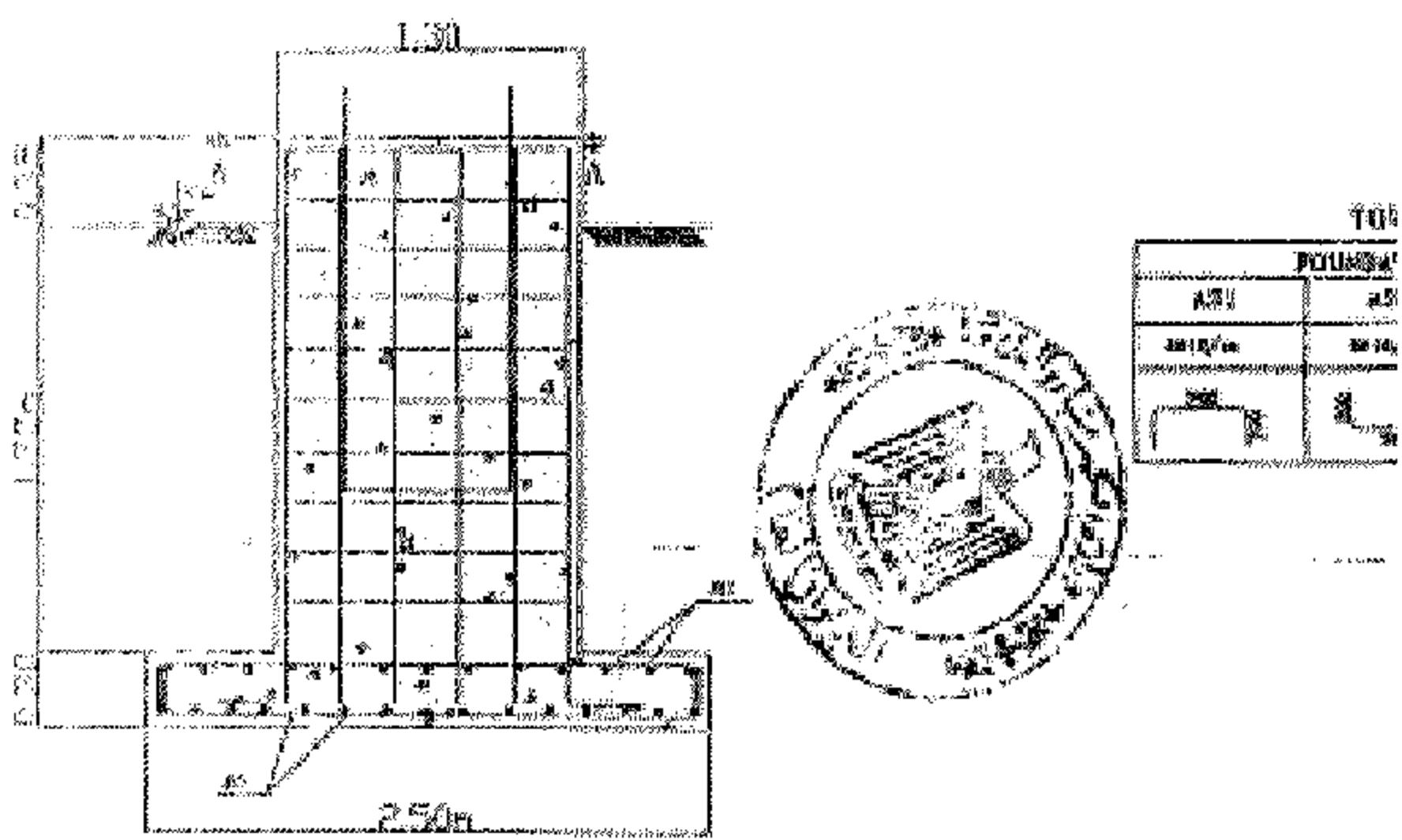
135 - Maximum concrete cover for reinforcement bars should be 80 mm

136 - Maximum concrete cover for reinforcement bars should be 80 mm

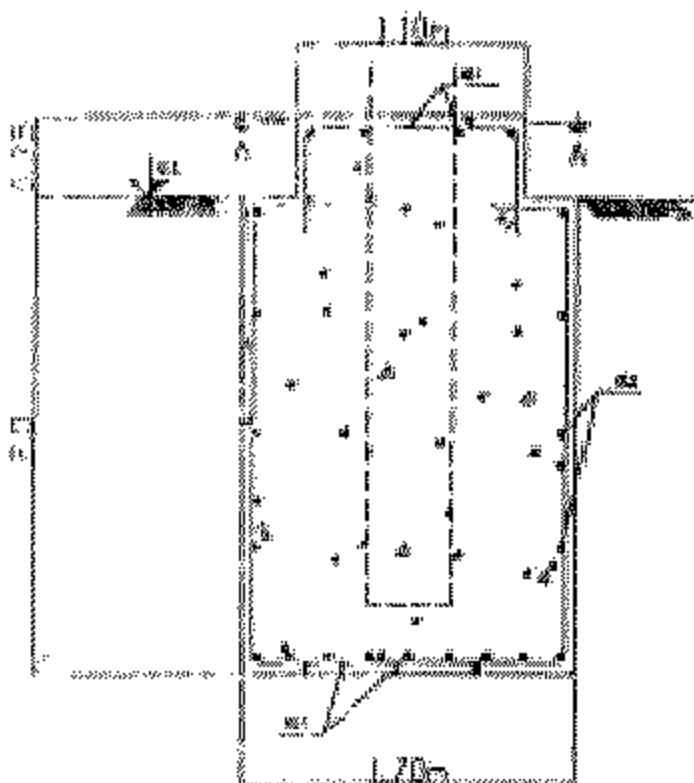
137 - Maximum concrete cover for reinforcement bars should be 80 mm

138 - Maximum concrete cover for reinforcement bars should be 80 mm

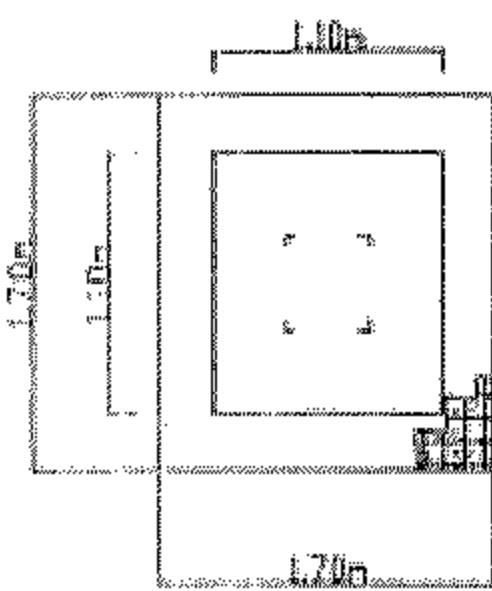
139 - Maximum concrete cover for reinforcement bars should be 80 mm



<p><b>TOWER FOUNDATION TABLE</b></p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th colspan="3">FOUNDATION REQUIREMENT</th> </tr> <tr> <th>AS1</th> <th>AS2</th> <th>AS3</th> </tr> </thead> <tbody> <tr> <td>40</td> <td>40x40</td> <td>40x40</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>  <p>100m</p>  <p>100m</p>	FOUNDATION REQUIREMENT			AS1	AS2	AS3	40	40x40	40x40				<p><b>NOTES</b></p> <ul style="list-style-type: none"> <li>١- Foundations are designed for the following soil conditions:</li> <li>- Available bearing capacity &gt; 300 kg/cm<sup>2</sup></li> <li>- Depth of foundations is less than 3-4 times the diameter or width.</li> <li>- Concrete cover must be 1 cm.</li> <li>- The contractor is obliged to verify these soil conditions.</li> <li>٢- Proportion of concrete should be used without any extra admixtures.</li> <li>٣- Reinforcement bars to be used should be: High Strength Steel of 42 kg/cm<sup>2</sup> minimum yield strength &gt; 300 kg/cm<sup>2</sup>.</li> <li>٤- Distance of 10 cm between bars to be used must exceed the maximum reinforcement by twice of distance of bars in one side.</li> <li>٥- Bar gap must be about four times the bars to allow concrete placing.</li> <li>٦- Anchorage shall be placed without shortcoming with the anchoring in dimensions same from the design dimension.</li> <li>٧- Required to be used cement is 42.5N Portland cement.</li> <li>٨- All dimensions are in meters.</li> <li>٩- All dimensions must be standard regardless the actual tower height up to 40m.</li> <li>١٠- Between outer ringings to 10 steps, 10 cm horizontal dimensions are required.</li> <li>١١- Concrete mix should be designed to provide the required cube strength with excess 20% of cement for foundation concrete by excess concrete cover for reinforcement bars provided till now.</li> </ul> <p><b>بيان التفاصيم في المدحول الأليومي للأسمنت في الأعلى</b></p> <p>١- عدم تطهير مياه الرياح وغسلها على المدحول الأليومي</p> <p>٢- ابصان القرية السالبة له تأثيرها</p> <p>٣- زراعة الحقول الزراعية</p> <p>٤- بعدها ودون التربة ٣٠ سم</p> <p>٥- قبل الري لمن المنشآت التي هي من اجزاء قلوع ابصان القرية وبسباب</p> <p>٦- ينبع منه الماء بالكميات الكافية للاستخدام</p> <p>٧- يتم صب الماء بالكميات الكافية لابصان القرية على سطح الأرض</p> <p>مع ريكاردة ابصان القرية فما يخرج منها كل بئاره هي</p> <p><b>بيان التفاصيم</b></p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 50%; vertical-align: top; padding: 5px;">  <p>EGYPTIAN POWER SYSTEMS ELECTRICAL COMPANY</p> </td> <td style="width: 50%; vertical-align: top; padding: 5px;">  <p>EGYPTIAN POWER SYSTEMS ELECTRICAL COMPANY</p> </td> </tr> <tr> <td colspan="2" style="text-align: center; padding: 5px;">  <p>100m</p> </td> </tr> <tr> <td colspan="2" style="text-align: center; padding: 5px;">  <p>100m</p> </td> </tr> </table>	 <p>EGYPTIAN POWER SYSTEMS ELECTRICAL COMPANY</p>	 <p>EGYPTIAN POWER SYSTEMS ELECTRICAL COMPANY</p>	 <p>100m</p>		 <p>100m</p>	
FOUNDATION REQUIREMENT																			
AS1	AS2	AS3																	
40	40x40	40x40																	
 <p>EGYPTIAN POWER SYSTEMS ELECTRICAL COMPANY</p>	 <p>EGYPTIAN POWER SYSTEMS ELECTRICAL COMPANY</p>																		
 <p>100m</p>																			
 <p>100m</p>																			



SECTIONAL EDITION



#### **INPUT FOUNDATION FILE**

