# DETAILED CONTROL TABLE FOR ELECTRICAL PROJECT AND PROJECT ADDITIONS

## PROJECT NAME

| NO | CONTROLLED ACCOUNT/REPORT/PROJECT |
|---|---|

| EVALUATION SUMMARY | |
|---|---|
| **NO** | **PROJECT FILE NAME** |
| 1 | |
| 2 | |
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| ASSESSMENT DETAILS | |
|---|---|
| **1** | **Lighting installation design sheets (drawings)** |
| 1.1 | What standards and regulations are the project design made according to? |
| 1.2 | Are existing lighting fixtures used? |
| 1.3 | If existing fixtures were used, have their functionality been checked prior to design? |
| 1.4 | Have new fixtures been added in addition to existing fixtures? |
| 1.5 | Have the lux values of the site been gathered? |
| 1.6 | What action did you take according to the lux values? for example, the use of more efficient and luminous fixtures in places with low lux values. |
| 1.7 | Are existing lighting lines and sorties used? |
| 1.8 | If existing ones were used, have all lines been checked for availability? |
| 1.9 | Which action(s) has been taken for non-working or broken lines? |
| 1.10 | In case of drawing a new line on inoperative or faulty lines; surface-mounted or flush-mounted? Which type of cable and cross-section was considered? What types of pipes are considered? Is a cable tray or ladder considered? |
| 1.11 | Have the issues mentioned in the upper article been specified in the project, explanations, details, surveys and specifications? |
| 1.12 | Provide information about the existing emergency lighting and guidance system? |
| 1.13 | If there is a design that you have added to the existing emergency lighting and guidance system, provide information about the systems. |
| 1.14 | If there is an addition to the existing emergency lighting and guidance system, provide information about the cable type/section you use and how you carry the cable. |
| 1.15 | If there is an addition to the existing emergency lighting and emergency guidance system, is it reflected in the project and added to the estimate? |
| 1.16 | Has a new lighting fixture layout and design been made? |
| 1.17 | If it is newly built, what are the lux values you aim to be according to each site? |
| 1.18 | Has lighting calculations been made for all sites? |
| 1.19 | How was the lighting control considered? Please state in general. |
| 1.20 | Is there lighting automation? |
| 1.21 | If any, what type of automation was lighting control provided? Is the automation scenario shared? |
| 1.22 | What was taken into consideration while wiring and piping? Is it surface mounted or flush mounted? What type of pipe was used? Have a tray or a ladder been considered? |
| 1.23 | How many fixtures at most were fed in a line? |
| 1.24 | What types of fixtures were used? |
| 1.25 | Which points were taken into consideration while choosing the fixture? |
| 1.26 | Has a separate panel been considered for lighting? |
| 1.27 | Could you give information about the emergency lighting and emergency guidance system? |
| 1.28 | Provide information about the equipment used for emergency lighting and emergency guidance system. |
| 1.29 | Provide information about the cable type/section information you use to the emergency lighting and emergency guidance system and how you carry the cable. |
| 1.30 | Has the emergency lighting and guidance system been reflected in the project and added to the estimate? |
| 1.31 | If there is lighting automation, is automation panel separation considered? What action has been taken regarding the communication between the panels? |
| 1.32 | Is there a lighting automation column diagram? |
| 1.33 | Expansion diagram and equipment labels on the plans and are they compatible? |
| 1.34 | Is there a lighting automation system expansion diagram? |
| 1.35 | Is there a lighting automation system expansion diagram? |
| 1.36 | Are the equipment labels in the expansion chart and the plans compatible? |
| 1.37 | Are the cable cross sections and types in the plans and the expansion diagram compatible? |
| 1.38 | Is there any legend on the project? |
| 1.39 | Are the projects compatible with the project legend? |
| 1.40 | Are there any notes on the project? |
| 1.41 | Are the plans, column diagram and flowchart compatible with the notes on the project? |
| 1.42 | Is there a letterhead on the project? |
| 1.43 | Has project name on letterhead been defined correctly? |
| 1.44 | Has the floor information on letterhead been defined correctly? |
| 1.45 | Has the scale information on letterhead been defined correctly? |
| 1.46 | Has the revision information on letterhead been defined correctly? |
| 1.47 | Has date on letterhead been defined correctly? |
| **2** | **General electrical installation project sheets (drawings)** |
| 2.1 | What standards and regulations are the project design made according to? |
| 2.2 | Are existing sockets used? |
| 2.3 | Have defective sockets been detected? |
| 2.4 | Are the existing socket lines and sorties used? |
| 2.5 | If existing ones were used, have all lines been checked for availability? |
| 2.6 | Which action(s) has been taken for non-working or broken lines? |
| 2.7 | In case of new line installation instead of non-working or broken lines; was it considered surface mounted or flush mounted? Which type of cable and section was considered? What types of pipes have been considered? Has a cable tray or ladder been considered? |
| 2.8 | Have the issues specified in article 7 been specified in the project, explanations, detail section, estimate and specification? |
| 2.9 | Have the sockets been renewed? |
| 2.10 | If the sockets have been renewed, have they been included in the project and reflected in the estimate? |
| 2.11 | Are additional sockets added? |
| 2.12 | If additional sockets have been added, have they been wired? |
| 2.13 | If the line was installed, which type/section cable was used? |
| 2.14 | Has the newly installed line been specified in the project? |
| 2.15 | If the new line was installed, was the line number given? |
| 2.16 | Has the appropriate fuse been deducted on the panel for the new line? |
| 2.17 | If new fuses have been added, has panel availability been checked? |

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| **NO** | **CONTROLLED ACCOUNT/REPORT/PROJECT** |
| **2.18** | The power of the newly installed line means an additional power for the existing panel, has the current carrying capacity of the panel been checked? |
| **2.19** | Has a new socket layout and design been made? |
| **2.20** | If newly designed, classify the feed sources. |
| **2.21** | If the generator is used, specify the feed rate. |
| **2.22** | If the generator was used, what type/cross section was it fed by cable/cables? |
| **2.23** | If the generator was used, indicate in which areas and how it was used. |
| **2.24** | If the generator was used, how many were it used? Is there a synchronization panel? |
| **2.25** | What are the points you pay attention to while positioning the generator? |
| **2.26** | What is the sufficiency of the generator's exhaust and fresh air areas? |
| **2.27** | Where is the transfer board? |
| **2.28** | If the UPS was used, indicate in which areas and how it was used. |
| **2.29** | How was the number of UPS sockets determined in areas where UPS is used? How many UPS sockets are predicted for which location? |
| **2.30** | Will there be a socket group for work desk/executive desks? If so, how many of which sockets were provided? |
| **2.31** | What kind of a design was made in the spaces or spaces with raised floors? |
| **2.32** | Which type/cross section was used for the installation supply cables? |
| **2.33** | What has been taken into consideration while wiring and piping? Is it flush or surface mounted? Which type of pipe was used? Tray or ladder considered? |
| **2.34** | How many sockets at most were fed in a line? |
| **2.35** | Has the line number of each line been added to the project? |
| **2.36** | Is it transferred to each line loading scale and single line plan? |
| **2.37** | Is a terminal specified at the end of the lines left as spare? Has it been stated that the insurance should remain off in case of remaining as a spare? |
| **2.38** | Is the installation height of each socket specified on the plan? |
| **2.39** | Is the purpose of use of the sockets specified on the plan next to the sockets? |
| **2.40** | Is the cable route of the installation specified in the project? |
| **2.41** | Is the current supply installed to all weak current systems that require energy and specified in the project? |
| **2.42** | Has energy been installed to the devices requiring special energy and power supply? Is it specified in the project? |
| **2.43** | Have detailed drawings been made for the project? Have details been conveyed to the project? |
| **2.44** | Is there any legend on the project? |
| **2.45** | Are the projects compatible with the project legend? |
| **2.46** | Are there any notes on the project? |
| **2.47** | Are the plans, column diagram and flowchart compatible with the notes on the project? |
| **2.48** | Is there a letterhead on the project? |
| **2.49** | Has project name on letterhead been defined correctly? |
| **2.50** | Has the floor information on letterhead been defined correctly? |
| **2.51** | Has the scale information on letterhead been defined correctly? |
| **2.52** | Has the revision information on letterhead been defined correctly? |
| **2.53** | Has date on letterhead been defined correctly? |
| **2.54** | Is there any earthing present in the structure? |
| **2.55** | Have you received the current ground resistance measurement? |
| **2.56** | Is the current ground resistance sufficient? |
| **2.57** | If not enough, how was a path taken to strengthen the earthing? |
| **2.58** | Has the project design been done in detail? Is it additionally noted with notes? |
| **2.59** | Has it been stated in the project and notes that additional measures should be taken in case the earthing resistance does not reach a sufficient level as a result of the application of the proposed earthing reinforcement? |
| **2.60** | Has a new earthing project been designed? |
| **2.61** | Has the earthing calculation been made? |
| **2.62** | How many meters of lattice spacing have been selected when designing the main earthing? |
| **2.63** | What is the basic earthing conductor and its cross section? |
| **2.64** | At how many mt intervals has an exit to the ground been provided? |
| **2.65** | Was a frame formed by connecting these conductors to each other on the ground? |
| **2.66** | In this framework, has a ring line been created at a distance of 1 meter? |
| **2.67** | Which conductor and section was chosen for the ring line? |
| **2.68** | Are ground rods connected to the ring line? |
| **2.69** | Which type/section/mt earthing rod was used? |
| **2.70** | How many ground rods are connected? |
| **2.71** | How was the number of grounding rods determined? |
| **2.72** | Are grounding manholes considered for grounding rods? |
| **2.73** | How many grounding rods are specified? |
| **2.74** | Has a test terminal been added to the grounding loop? |
| **2.75** | Are earthing test points specified? |
| **2.76** | Is an earthing sprout left on the main equipotential busbar and its connection specified? |
| **2.77** | Have the conductors and their connections from the main equipotential busbar to the secondary equipotential busbars or to the ground bus of the secondary panels have been specified? |
| **2.78** | Have the cross sections and types of earth wire in the building been specified? |
| **2.79** | Have the routing and shafts of the earth wires in the building been specified? |
| **2.80** | Are the outputs of the earthing conductors, from the foundation earthing to the columns to the roof specified? |

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| NO | CONTROLLED ACCOUNT/REPORT/PROJECT |
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| **2.81** | Are all the details of the earth system specified in the plan? |
| **2.82** | Is there a earthing plan column diagram? |
| **2.83** | Are the column diagram and equipment labels in the plans compatible? |
| **2.84** | Are the column diagram and cables in the plans compatible? |
| **2.85** | Is there any legend on the project? |
| **2.86** | Are the projects compatible with the project legend? |
| **2.87** | Are there any notes on the project? |
| **2.88** | Are the plans, column diagram and flowchart compatible with the notes on the project? |
| **2.89** | Is there a letterhead on the project? |
| **2.90** | Has project name on letterhead been defined correctly? |
| **2.91** | Has the floor information on letterhead been defined correctly? |
| **2.92** | Has the scale information on letterhead been defined correctly? |
| **2.93** | Has the revision information on letterhead been defined correctly? |
| **2.94** | Has date on letterhead been defined correctly? |
| **2.95** | Was the existing lightning protection system used? |
| **2.96** | If the current system is used, provide information about the system. |
| **2.97** | If current was used, is the active or passive lightning attractor used? |
| **2.98** | Provide information about the robustness and corrosion of the lightning rods. |
| **2.99** | Has it been determined that there is no fault/weakening/rupture along the line from the lightning protection system's approach end to the grounding rod? Provide information. |
| **2.100** | If failure, weakening or rupture has been detected, have the necessary connections, cable cross-section/type and connection details are transferred to the project and stated in the notes? |
| **2.101** | Has the earthing to which the lightning protection system is connected been measured? |
| **2.102** | If the grounding measurement is insufficient, is an additional earthing made? |
| **2.103** | If not enough, how was a path taken to strengthen the earthing? |
| **2.104** | Has the project design been done in detail? Is it additionally noted with notes? |
| **2.105** | Has it been stated in the project and notes that additional measures should be taken in case the earthing resistance does not reach a sufficient level as a result of the application of the proposed earthing reinforcement? |
| **2.106** | Has a new lightning protection system been designed? |
| **2.107** | Is lightning protection calculated? |
| **2.108** | What level of protection is required in the lightning protection calculation? |
| **2.109** | Passive or active lightning rod was used for the lightning protection system? |
| **2.110** | Provide information about the lightning rod type/type/cross section/material used. |
| **2.111** | Which type/cross section conductor was used as lightning protection conductor? |
| **2.112** | If a faraday cage was made, what is the lattice spacing and the distance between landings? |
| **2.113** | Have the shortest route/routes of conductors to reach the soil been determined? |
| **2.114** | Are the saddles that will be used to fix the conductors while the roof is being transported? |
| **2.115** | How many meters of saddles were roof hooks used? Is it specified in the project? |
| **2.116** | Is the landing of the lightning protection system to the earthing made from the exterior of the building or from the column or shaft inside the building? |
| **2.117** | What is the distance between the saddles to be used to fix the building down conductors? Is it specified in the detail project? |
| **2.118** | Have test terminal blocks been considered for down-conductors at accessible points? |
| **2.119** | Are all the details of the lightning protection system specified in the plan? |
| **2.120** | Is there any legend on the project? |
| **2.121** | Are the projects compatible with the project legend? |
| **2.122** | Are there any notes on the project? |
| **2.123** | Are the plans, column diagram and flowchart compatible with the notes on the project? |
| **2.124** | Is there a letterhead on the project? |
| **2.125** | Has project name on letterhead been defined correctly? |
| **2.126** | Has the floor information on letterhead been defined correctly? |
| **2.127** | Has the scale information on letterhead been defined correctly? |
| **2.128** | Has the revision information on letterhead been defined correctly? |
| **2.129** | Has date on letterhead been defined correctly? |
| **2.130** | Was there a mechanical device supply available? |
| **2.131** | If the system is available, give information about it. |
| **2.132** | Have the defective devices been detected? |
| **2.133** | Have the defective lines been detected? |
| **2.134** | Are existing lighting lines and sorties used? |
| **2.135** | If existing ones were used, have all lines been checked for availability? |
| **2.136** | Which action(s) has been taken for non-working or broken lines? |
| **2.137** | In case of new line installation in non-working or broken lines; was it considered surface mounted or flush mounted? Which type of cable and section was considered? What types of pipes have been considered? Has a cable tray or ladder been considered? |
| **2.138** | Have the issues mentioned in the upper article been specified in the project, explanations, detail part, estimate and chartering? |
| **2.139** | Are additional device added? |
| **2.140** | If additional devices have been added, have they been wired? |
| **2.141** | If the line was installed, which type/section cable was used? |
| **2.142** | Has the newly installed line been specified in the project? |
| **2.143** | If the new line was installed, was the line number given? |
| **2.144** | Has the appropriate fuse been deducted on the panel for the new line? |
| **2.145** | If new fuses have been added, has panel availability been checked? |
| **2.146** | The power of the newly installed line means an additional power for the existing panel, has the current carrying capacity of the panel been checked? |
| **2.147** | Has a new mechanical plan been made? |
| **2.148** | Summarize the system if it is newly designed? |
| **2.149** | Have you received the power list of mechanical devices? |
| **2.150** | Have you reached the placement of the mechanical devices? |
| **2.151** | Is electrical power phase and control information specified on the mechanical device placement in the plan? |
| **2.152** | How will the devices, feeds and controls that will operate in case of fire? Is it stated on the plan and noted? |
| **2.153** | What type/cross section was used for mechanical supply cables? |
| **2.154** | What has been taken into consideration while wiring and piping? Is it flush or surface mounted? Which type of pipe was used? Tray or ladder considered? |
| **2.155** | Has the line number of each line been added to the project? |
| **2.156** | Is it transferred to each line loading chart and single line plan? |
| **2.157** | Is it specified that the terminal of the lines left as spare is specified? Is it stated that the fuse must remain off in case of remaining as spare? |
| **2.158** | Is the cable route of the installation specified in the project? |
| **2.159** | Have the places of the installation for the transition between floors specified in the project? |

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| NO | CONTROLLED ACCOUNT/REPORT/PROJECT |
|---|---|
| **2.160** | Have detailed drawings been made for the project? Have the details been transferred to the project? |
| **2.161** | Is there an fcu or VRV system? |
| **2.162** | If there are thermostats, have they been settled? |
| **2.163** | Is a control cable installed between the thermostat and the device? |
| **2.164** | Is there mechanical automation? |
| **2.165** | If there is mechanical automation, has the automation senate been shared? |
| **2.166** | Has the mechanical automation wiring been transferred to the project? |
| **2.167** | Is there a mechanical automation column diagram? |
| **2.168** | Are the column diagram and equipment labels in the plans compatible? |
| **2.169** | Are the column diagram and cables in the plans compatible? |
| **2.170** | Is there a mechanical automation system expansion diagram? |
| **2.171** | Are the equipment labels in the expansion chart and the plans compatible? |
| **2.172** | Are the cable cross sections and types in the plans and the expansion diagram compatible? |
| **2.173** | Is there any legend on the project? |
| **2.174** | Are the projects compatible with the project legend? |
| **2.175** | Are there any notes on the project? |
| **2.176** | Are the plans, column diagram and flow chart compatible with the notes on the project? |
| **2.177** | Is there a letterhead on the project? |
| **2.178** | Has project name on letterhead been defined correctly? |
| **2.179** | Has the floor information on letterhead been defined correctly? |
| **2.180** | Has the scale information on letterhead been defined correctly? |
| **2.181** | Is the revision information on the letterhead correctly defined? |
| **2.182** | Has date on letterhead been defined correctly? |
| **2.183** | Was the existing cable tray used? |
| **2.184** | Has the field report been received regarding the current tray's status? |
| **2.185** | Are there any trays with damaged or full, irregularly regulated cables? |
| **2.186** | If so, what kind of a path was followed for these trays? |
| **2.187** | Is there an additional cable tray? |
| **2.188** | Is the cross section height of additional cable trays specified in the project? |
| **2.189** | Coordinated with other systems? |
| **2.190** | Have the cable tray details been specified in the project? |
| **2.191** | Has a new cable tray design been made? |
| **2.192** | If it was newly designed, how were the tray/ladder cross sections determined? |
| **2.193** | Are the high and low current cable trays specified in the project? |
| **2.194** | How much is the distance between high and low current cable trays specified? |
| **2.195** | Has cable trays reached all panels? |
| **2.196** | Has cable trays reached all weak current system panels? |
| **2.197** | Is cable ladder specified for landing in panels and panels? |
| **2.198** | Are cable tray routes specified? |
| **2.199** | Have the required trays reached all electrical shafts? |
| **2.200** | Cable ladders that need shafts specified? |
| **2.201** | Cable tray/ladder connection, installation details specified? |
| **2.202** | How many percent of spare places are left empty in cable trays/ladders? |
| **2.203** | Have other disciplines performed a ceiling superposition? |
| **2.204** | Has the detail sheet been transferred to the project? |
| **2.205** | Is there any legend on the project? |
| **2.206** | Are the projects compatible with the project legend? |
| **2.207** | Are there any notes on the project? |
| **2.208** | Is there a letterhead on the project? |
| **2.209** | Has project name on letterhead been defined correctly? |
| **2.210** | Has the floor information on letterhead been defined correctly? |
| **2.211** | Has the scale information on letterhead been defined correctly? |
| **2.212** | Has the revision information on letterhead been defined correctly? |
| **2.213** | Has date on letterhead been defined correctly? |
| **2.214** | Is there a current energy distribution system in the building? |
| **2.215** | If yes, please give information about the current system? |
| **2.216** | Provide information about the use of network, generator, ups. |
| **2.217** | Indicate the current consumer type (LV/MV). |
| **2.218** | Have the existing energy distribution cables been used? |
| **2.219** | If existing ones are used, has the operability of all supply cables and panels been checked? |
| **2.220** | Which action(s) has been taken for non-working, broken, heated cables? |
| **2.221** | In case of new cabling in non-working, defective, heated cables; was it considered surface mounted or flush mounted? Which type of cable and section was considered? What types of pipes have been considered? Has a cable tray or ladder been considered? |
| **2.222** | Have the issues mentioned in the upper article been specified in the project, explanations, details, surveys and specifications? |
| **2.223** | Have the panels been renewed? |
| **2.224** | If the panels have been renewed, have they been processed into the project, reflected on the single line and loading schedule, and transferred to the estimate? |
| **2.225** | Has an additional panel been added? |
| **2.226** | If an additional panel is added, are the supply cables pulled? |
| **2.227** | If the supply cable is added, what type/cross section cable was used? |
| **2.228** | How are the cable route and cable handling method designed for the new cable? |
| **2.229** | Has the newly installed supply cable transferred to the project for estimate? |
| **2.230** | Is the label/cable number given for the newly installed power cable? |
| **2.231** | Has a suitable switch been considered for the panel where it will receive the energy for the newly added panel? |
| **2.232** | If a new switch has been added, has the panel availability checked? |
| **2.233** | The power of the new panel means an additional power for the existing panel, is the current carrying capacity of the panel checked? |
| **2.234** | Has a new energy distribution system been designed? |
| **2.235** | If newly designed, classify the feed sources. |
| **2.236** | If the generator is used, specify the feed rate. |
| **2.237** | If the generator was used, what type/cross section was it fed by cable/cables? |
| **2.238** | If the generator was used, indicate in which areas and how it was used. |
| **2.239** | If the generator was used, how many were it used? Is there a synchronization panel? |
| **2.240** | What are the points you pay attention to while positioning the generator? |
| **2.241** | What is the sufficiency of the generator's exhaust and fresh air areas? |
| **2.242** | Is there a generator panel? Is it specified in the project? |

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| **2.243** | Has the generator feeder cable type/cross section been specified in the project? |
| **2.244** | Is there a transfer panel? |
| **2.245** | Where is it if there is a transfer panel? |
| **2.246** | Is the transfer panel cable type/cross section specified in the project? |
| **2.247** | Do you have a UPS device? |
| **2.248** | Is there any backup UPS device? |
| **2.249** | Provide information about the features of the UPS device/devices. |
| **2.250** | If there is a UPS device, where is it located? |
| **2.251** | Is the UPS device input and output cables type/cross section specified in the project? |
| **2.252** | Is the main UPS panel designed? Is it specified in the project? |
| **2.253** | Is the secondary UPS panel designed? Is it specified in the project? |
| **2.254** | Has it been specified in the project which type/section cable is used to feed the UPS panels? |
| **2.255** | Are the routes of the UPS panel feeder cables determined? |
| **2.256** | Is the grid main distribution panel specified in the project? |
| **2.257** | Do you have a meter panel? Provide information about the meter. |
| **2.258** | Are there compensation panels? |
| **2.259** | Is compensation calculation made? |
| **2.260** | How many kvar compensation has been designed? |
| **2.261** | Is the main distribution panel (MDP) specified in the project? |
| **2.262** | Is the main distribution panel (MDP) feeder cable cross section/type specified in the project? |
| **2.263** | Are fault current protection relays designed in main and secondary distribution panels? |
| **2.264** | Is surge protector/internal lightning protection prescribed in the main distribution panel? |
| **2.265** | State your design criteria and principles when creating the main distribution panel and secondary panels. |
| **2.266** | Have the panel density and size been stipulated while placing the panels? |
| **2.267** | Have notes been specified for custom fields while panel layout? |
| **2.268** | What has been taken into consideration while wiring and piping? Is it flush or surface mounted? Which type of pipe was used? Tray or ladder considered? |
| **2.269** | Has each supply cable been labelled? Is it specified in the project? |
| **2.270** | Which type/cross section was used for panel feeding cables? Is it specified in the project? |
| **2.271** | Has voltage drop been calculated while selecting panel feeder cables? If done, send the calculation. |
| **2.272** | Has the current flow calculation been made when selecting the panel feeder cables? If done, send the calculation? |
| **2.273** | Has each feeder cable been added to the loading chart and single line? |
| **2.274** | Has the power been calculated? |
| **2.275** | Is there any information about phase information, explanation information, power, current, used conductor length, voltage drop, control information of all cables in the loading chart? |
| **2.276** | When calculating the power of the panels, there is the diversity ratio, installed power, demand power information? |
| **2.277** | Is all the necessary information in the loading chart transferred to the single line plans? |
| **2.278** | Are all the information on horizontal plan, power calculation, loading chart, column diagram compatible with each Other |
| **2.279** | Is the cable route of the installation specified in the project? |
| **2.280** | Is there a column diagram? |
| **2.281** | Are the column diagram and equipment labels in the plans compatible? |
| **2.282** | Is the column diagram and the cable cross-sections/switch information in the plans compatible? |
| **2.283** | Is there any legend on the project? |
| **2.284** | Are the projects compatible with the project legend? |
| **2.285** | Are there any notes on the project? |
| **2.286** | Are the plans, column diagram and flow chart compatible with the notes on the project? |
| **2.287** | Is there a letterhead on the project? |
| **2.288** | Has project name on letterhead been defined correctly? |
| **2.289** | Has the floor information on letterhead been defined correctly? |
| **2.290** | Has the scale information on letterhead been defined correctly? |
| **2.291** | Has the revision information on letterhead been defined correctly? |
| **2.292** | Has date on letterhead been defined correctly? |
| **2.293** | Is there a fire detection system available? |
| **2.294** | If there is a system, provide information about the systems. |
| **2.295** | If there is a current system, is there a fault in the loop line? Is the loop turning? |
| **2.296** | Has a fault been detected? |
| **2.297** | If there is a breakdown, have the parts with breakdowns been indicated in the project? |
| **2.298** | How was the procedure followed for the defective parts? Is it noted in notes and reflected in the project? |
| **2.299** | Has the current system got any additional fire detection equipment? |
| **2.300** | Has it been added to the project? |
| **2.301** | Is the included in the fire loop? |
| **2.302** | Which fire cable was used in the current system? |
| **2.303** | What is the newly drawn fire cable cross section/type? |
| **2.304** | Is there a current fire scenario? |
| **2.305** | Has a new fire detection system been designed? |
| **2.306** | Provide information about your fire system (digital addressed, analog addressed etc.)? |
| **2.307** | If the fire detection system is newly designed, what are your design criteria? |
| **2.308** | Do you have a fire scenario? |
| **2.309** | Has the appropriate location where the fire detection system will be monitored and controlled has been specified in the project? |
| **2.310** | Are there any areas in the building where fire detection does not reach and remains in a scotoma? |
| **2.311** | Are there places where you do not apply fire detection? |
| **2.312** | What is the fire cable type/cross section information used? |
| **2.313** | Provide information about the fire panel used? |
| **2.314** | How many loop addresses is a panel chosen? |
| **2.315** | How many loops was the project designed with? |
| **2.316** | Are all fire elements included in the loops? Detectors, buttons, modules etc? |
| **2.317** | Have the elements such as devices, monitoring/control modules that will be activated in case of fire been wired? Which type of cable was used? |
| **2.318** | Has a fire detection been designed for between the false ceiling? |
| **2.319** | Has a fire detection been designed for slab bottom? |
| **2.320** | Has a combined detector designed for technical areas and shafts? |
| **2.321** | Has a carbon monoxide system been designed for the parking lot? |
| **2.322** | Is there a column diagram? |
| **2.323** | Are the column diagram and equipment labels in the plans compatible? |
| **2.324** | Are the number of cable cross-sections and equipment in the plans and the column diagram compatible? |
| **2.325** | Is there any legend on the project? |

## DETAILED CONTROL TABLE FOR ELECTRICAL PROJECT AND PROJECT ADDITIONS

## PROJECT NAME

| NO | CONTROLLED ACCOUNT/REPORT/PROJECT |
|---|---|
| **2.326** | Are the projects compatible with the project legend? |
| **2.327** | Are there any notes on the project? |
| **2.328** | Are the plans, column diagram and flow chart compatible with the notes on the project? |
| **2.329** | Is there a letterhead on the project? |
| **2.330** | Has project name on letterhead been defined correctly? |
| **2.331** | Has the floor information on letterhead been defined correctly? |
| **2.332** | Has the scale information on letterhead been defined correctly? |
| **2.333** | Has the revision information on letterhead been defined correctly? |
| **2.334** | Has date on letterhead been defined correctly? |
| **2.335** | Is there an existing emergency announcement, fire alarm system? |
| **2.336** | If there is a system, provide information about the systems. |
| **2.337** | If there is a current system, are there any faults in lines and system equipment? |
| **2.338** | Has a fault been detected? |
| **2.339** | If there is a breakdown, have the parts with breakdowns been indicated in the project? |
| **2.340** | How was the procedure followed for the defective parts? Is it noted in notes and reflected in the project? |
| **2.341** | Has any additional emergency announcement equipment been included in the current system? |
| **2.342** | Has it been added to the project? |
| **2.343** | Is it included in the announcement line? |
| **2.344** | Which announcement cable was used in the current system? |
| **2.345** | What is the cross section/type of the announcement cable newly installed? |
| **2.346** | Are loudspeakers or equipment such as siren/flasher used in the current system? |
| **2.347** | Has a new emergency announcement, fire alarm system been designed? |
| **2.348** | Provide information about the emergency announcement. |
| **2.349** | If the emergency announcement system is newly designed, what are your design criteria? |
| **2.350** | Has the emergency announcement or public address system, if any, and the appropriate location (room) to be controlled, specified in the project? |
| **2.351** | Has it been specified that the zoning of voice and emergency announcements according to the intended use of the floors or floors in the building? |
| **2.352** | Indicate the type of loudspeaker to be used according to the types of the spaces in the floors or floors of the building whose emergency announcement or voiceover zones are determined. |
| **2.353** | Are there any place in the building that the emergency announcement cannot reach? |
| **2.354** | Are there any places where you do not apply an emergency announcement? |
| **2.355** | What is the announce cable type/cross section information used? |
| **2.356** | Provide information about the announcement center used. |
| **2.357** | Provide information about the amplifier used. |
| **2.358** | With how many zones was the project designed? |
| **2.359** | Are all announcement elements included in zones? |
| **2.360** | Is there a column diagram? |
| **2.361** | Are the column diagram and equipment labels in the plans compatible? |
| **2.362** | Are the number of cable cross-sections and equipment in the plans and the column diagram compatible? |
| **2.363** | Is there any legend on the project? |
| **2.364** | Are the projects compatible with the project legend? |
| **2.365** | Are there any notes on the project? |
| **2.366** | Are the plans, column diagram and flow chart compatible with the notes on the project? |
| **2.367** | Is there a letterhead on the project? |
| **2.368** | Has project name on letterhead been defined correctly? |
| **2.369** | Has the floor information on letterhead been defined correctly? |
| **2.370** | Has the scale information on letterhead been defined correctly? |
| **2.371** | Has the revision information on letterhead been defined correctly? |
| **2.372** | Has date on letterhead been defined correctly? |
| **2.373** | Is there a data, telephone, TV system in this current system? |
| **2.374** | If yes, please provide information about the systems. |
| **2.375** | Have a detected fault in the devices, panels, equipment and cables used in a current system and the elements that will affect the system integrity? |
| **2.376** | If there is a breakdown, have the parts with breakdowns been indicated in the project? |
| **2.377** | What was the procedure for failed parts? Is it annotated and added to the project? |
| **2.378** | In case of new line drawing in non-working or broken lines; was it considered surface mounted or flush mounted? Which type of cable and section was considered? What types of pipes have been considered? Has a cable tray or ladder been considered? |
| **2.379** | Have the issues mentioned in the upper article been specified in the project, explanations, detail part, estimate and chartering? |
| **2.380** | Has a new socket equipment been added to the current system? |
| **2.381** | Has it been added to the project? |
| **2.382** | Has cabling been done for these additional new sockets and equipment? |
| **2.383** | Indicate the types of data, telephone, TV cables used in the current system. |
| **2.384** | Has a new data, telephone, TV system been designed? |
| **2.385** | Provide information about your newly designed systems? |
| **2.386** | If the data, telephone, TV system is newly designed, what are your design criteria? |
| **2.387** | Has the appropriate location (room) where there are system centers and will be controlled specified in the project? |
| **2.388** | Are the building main entrance terminal box, floor terminal box, intermediate terminal box, tv center and server (rack cabinet) locations specified in the project? |
| **2.389** | Has the design main structure been created for telephone, television and data installation projects and specified in the project (fiber cable between rack cabinets, floor distribution boxes on each floor, etc.)? |
| **2.390** | In which locations are data, telephone, TV sockets foreseen? Provide general information? |
| **2.391** | Phone system resolved as IP or analog? |

| DETAILED CONTROL TABLE FOR ELECTRICAL PROJECT AND PROJECT ADDITIONS<br>PROJECT NAME | |
|---|---|
| **NO** | **CONTROLLED ACCOUNT/REPORT/PROJECT** |
| **2.392** | Is the tv system considered as an IP or satellite system? |
| **2.393** | If the satellite system is preferred, is the place for satellite dishes stipulated and specified in the project? |
| **2.394** | Are all necessary wiring for data, telephone, TV systems specified in the project for main panel/rack cabinet/main distribution box/main switch/sub-distributions? |
| **2.395** | Indicate the types, class/cross section information of cables used for data, telephone, TV systems. |
| **2.396** | Provide information about system centers main panels. |
| **2.397** | Is there a column diagram? |
| **2.398** | Are the column diagram and equipment labels in the plans compatible? |
| **2.399** | Are the number of cable cross-sections and equipment in the plans and the column diagram compatible? |
| **2.400** | Is there any legend on the project? |
| **2.401** | Are the projects compatible with the project legend? |
| **2.402** | Are there any notes on the project? |
| **2.403** | Are the plans, column diagram and flowchart compatible with the notes on the project? |
| **2.404** | Is there a letterhead on the project? |
| **2.405** | Has project name on letterhead been defined correctly? |
| **2.406** | Has the floor information on letterhead been defined correctly? |
| **2.407** | Has the scale information on letterhead been defined correctly? |
| **2.408** | Has the revision information on letterhead been defined correctly? |
| **2.409** | Has date on letterhead been defined correctly? |
| **2.410** | Is there a camera system available? |
| **2.411** | Provide current analog/IP information. |
| **2.412** | Have a detected fault in the devices, panels, equipment and cables used in a current system and the elements that will affect the system integrity? |
| **2.413** | If there is a breakdown, have the parts with breakdowns been indicated in the project? |
| **2.414** | What was the procedure for failed parts? Is it annotated and added to the project? |
| **2.415** | In case of new line drawing in non-working or broken lines; was it considered surface mounted or flush mounted? Which type of cable and section was considered? What types of pipes have been considered? Has a cable tray or ladder been considered? |
| **2.416** | Have the issues mentioned in the upper article been specified in the project, explanations, details, surveys and specifications? |
| **2.417** | Has a new camera or equipment been added to the current system? |
| **2.418** | Has it been added to the project? |
| **2.419** | Has cabling been done for this additional camera or equipment? |
| **2.420** | Indicate the types of cables used between cameras and panels in the current system. |
| **2.421** | Has a new camera system been designed? |
| **2.422** | Provide information about your newly designed systems. |
| **2.423** | If the camera system is newly designed, what are your design criteria? |
| **2.424** | Provide information about the system center, main cabinet, nvr/dvr, recording capacity, transfer to the system, integrity with security. |
| **2.425** | Has the appropriate location (room) where there are system centers and will be controlled specified in the project? |
| **2.426** | Is the camera system resolved as IP or analog? |
| **2.427** | Has the design backbone for the camera installation projects been created and specified in the project (fiber cable between rack cabinets, floor distribution boxes on each floor, etc.)? |
| **2.428** | In which locations are the cameras projected? Provide general information. |
| **2.429** | Have all the necessary wiring for the main panel/rack cabinet switch/sub-distribution for the camera system specified in the project? |
| **2.430** | Have employer priorities been specified for camera placement? |
| **2.431** | Indicate the types and class/cross section information of cables used for the camera system. |
| **2.432** | Is there a column diagram? |
| **2.433** | Are the column diagram and equipment labels in the plans compatible? |
| **2.434** | Are the number of cable cross-sections and equipment in the plans and the column diagram compatible? |
| **2.435** | Is there any legend on the project? |
| **2.436** | Are the projects compatible with the project legend? |
| **2.437** | Are there any notes on the project? |
| **2.438** | Are the plans, column diagram and flow chart compatible with the notes on the project? |
| **2.439** | Is there a letterhead on the project? |
| **2.440** | Has project name on letterhead been defined correctly? |
| **2.441** | Has the floor information on letterhead been defined correctly? |
| **2.442** | Has the scale information on letterhead been defined correctly? |
| **2.443** | Has the revision information on letterhead been defined correctly? |
| **2.444** | Has date on letterhead been defined correctly? |
| **2.445** | Antet üzerindeki tarih bilgisi doğru tanımlanmış mı? |
| **3** | **Automation and energy monitoring system** |
| **3.1** | Is there any automation scenario? |
| **3.2** | Is the automation scenario appropriate? |
| **3.3** | Is there an automation system point list? |
| **3.4** | Is the point list appropriate? |
| **3.5** | Is there a plan to show field equipment? |
| **3.6** | Is the site plan and point list compatible? |
| **3.7** | Is there a chiller group automation detail sheet? |
| **3.8** | Is the chiller group automation detail sheet appropriate? |
| **3.9** | Is there a boiler automation detail sheet? |
| **3.10** | Is the boiler automation detail sheet appropriate? |
| **3.11** | Is there a cooling tower automation detail sheet? |
| **3.12** | Is the cooling tower automation detail sheet appropriate? |
| **3.13** | Is there an automation detail sheet for air conditioning plants? |
| **3.14** | Is the automation detail sheet for air conditioning plants appropriate? |
| **3.15** | Is there a fancoil automation? |
| **3.16** | If there is a fancoil automation, is there a fancoil automation detail sheet? |
| **3.17** | If there is a fancoil automation, is the fancoil automation detail sheet appropriate? |
| **3.18** | Are there automation detail sheets for circulation pumps? |
| **3.19** | Are automation detail sheets appropriate for circulation pumps? |
| **3.20** | Are there automation detail sheets for utility water booster? |
| **3.21** | Are automation detail sheets appropriate for utility water booster? |
| **3.22** | Are there automation detail sheets for the water tank level? |
| **3.23** | Is the automation detail sheet appropriate for the water tank level? |
| **3.24** | Are there automation detail sheets for primary and secondary circuit collectors? |
| **3.25** | Are automation detail sheets appropriate for primary and secondary circuit collectors? |
| **3.26** | Is there lighting automation? |

| DETAILED CONTROL TABLE FOR ELECTRICAL PROJECT AND PROJECT ADDITIONS<br>PROJECT NAME | |
|---|---|
| **NO** | **CONTROLLED ACCOUNT/REPORT/PROJECT** |
| **3.27** | Is there a lighting automation plan? |
| **3.28** | Is the lighting automation plan appropriate? |
| **3.29** | Are there lighting automation detail sheets? |
| **3.30** | Are the lighting automation detail sheets appropriate? |
| **3.31** | Is there a ddc panel single line diagram? |
| **3.32** | Is ddc panel single line diagram appropriate? |
| **3.33** | Is there any energy monitoring system? |
| **4** | **PV project sheets (drawings)** |
| **4.1** | Is the route and cable carrying system required for the cables coming from the panels and the cable going to the main distribution panel (MDP) specified in the projects? |
| **5** | **General notes** |
| **5.1** | |
| **5.2** | |
| **5.3** | |