技术（安全）交底记录

鲁DQ-004 | 0 | 0 | 1 |

工程名称	镇海路7号项目	施工单位	中国建筑第八工程局有限公司
分项工程名称	电线、电缆导管和线槽敷设	交底日期	2014年7月8日

交底内容：①设计图纸要求　②施工规范要求　③质量验评标准

一、施工准备

本工艺标准适用于地下车库镀锌钢管电线导管的敷设。

二、施工准备

1.材料要求

1.1钢管具备有效的产品合格证，原材合格证，钢管要求壁厚均匀，管内无毛刺，不允许有折皱、裂缝、镀锌管外表层完整、无剥落现象。

1.2锁紧螺母（根母）外形完好无损，丝扣清晰并有产品合格证。

1.3护口要完整无损，并有产品合格证。

2.主要机具：

2.1煨管器、液压煨管器、液压开孔器、压力案子、套丝机、套管机、扁锉、圆锉。

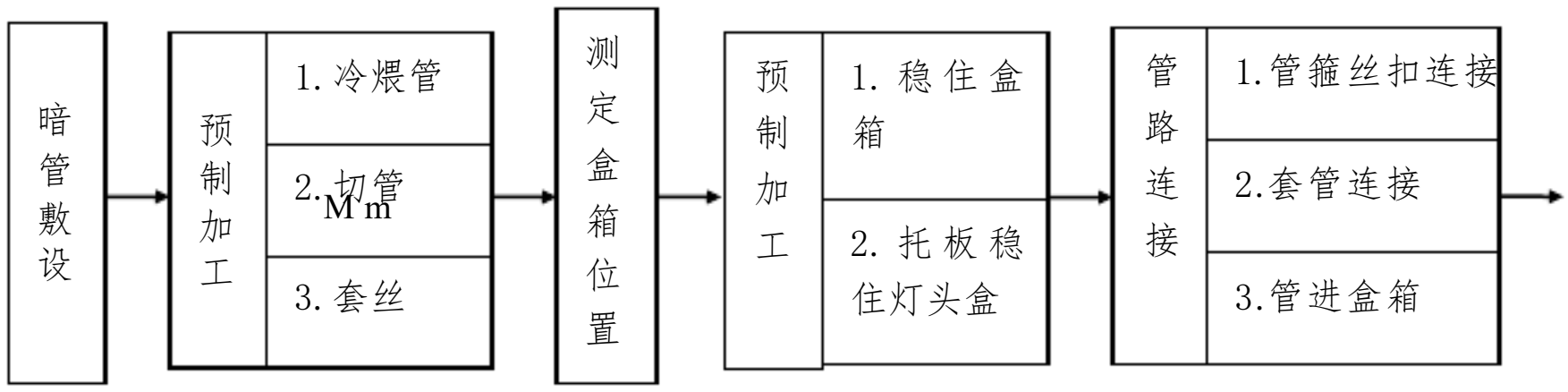
3.作业条件：

3.1现浇混凝土板内配管，在底层钢筋绑扎完后，上层钢筋未绑扎前，根据施工图尺寸配合土建施工。随墙（砌体）配合施工立管。

3.2墙体配管，在土建钢筋绑扎完毕，按墙体线配管。

三、 操作工艺

1.工艺流程



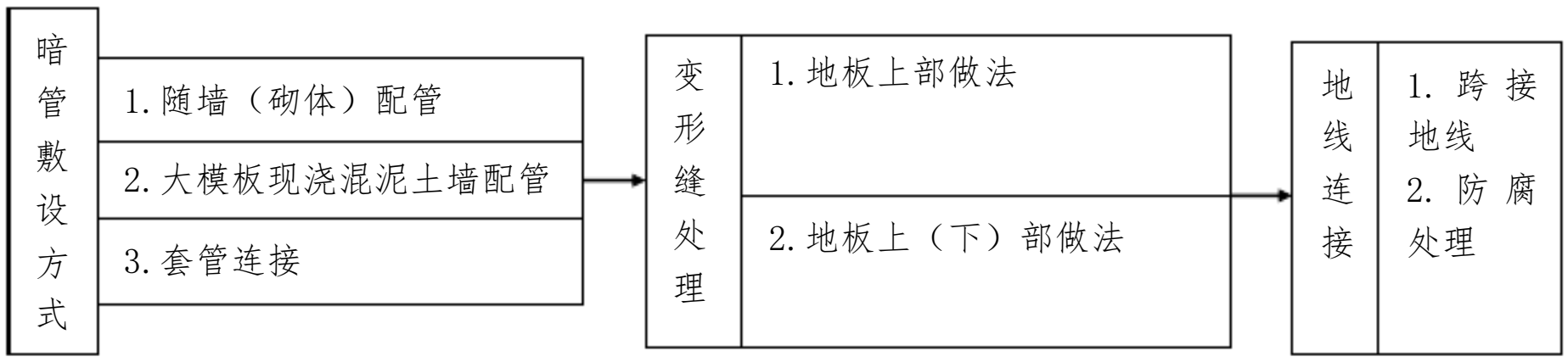
项目专业技术负责人：	交底人：	接受人：

技术（安全）交底记录

鲁DQ-004 | 0 | 0 | 2 |

工程名称	镇海路7号项目	施工单位	中国建筑第八工程局有限公司
分项工程名称	电线、电缆导管和线槽敷设	交底日期	2014年7月8日

交底内容：①设计图纸要求　②施工规范要求　③质量验评标准



2.暗管敷设：

2.1 基本要求：暗配管应沿最近的路线敷设并减少弯曲，埋入混凝土内的管子，离表面净距不小于15mm.

2.2 预制加工：根据施工图，加工好各种盒、箱、管弯。钢管煨弯采用冷煨法，管径在20mm及以下的，用手动煨管器，先将管子插入煨管器，均匀用力，逐步煨出所需弯度。管径在25mm以上的，用液压煨管器，煨出所需弯度。切割钢管严禁使用气、电焊，必须用钢锯或砂轮锯，断口平齐不歪斜，再用扁锉将切断处锉平，管口内壁用圆锉锉光，保证管口内壁无尖角、毛刺，管内无铁屑。

管子套丝采用套丝机将管子用台虎钳钳紧牢固，再把绞板套在管端，均匀用力，随套随浇冷却液，成型后丝扣不乱，不过长，管径20mm及以下时，分二板套成，管径在25mm及以上时，分三板套成。

2.3 测定盒、箱位置：根据施工图纸要求确定盒、箱轴线的位置，以土建弹出的水平线为基准，严格按照设计标高，确定盒箱具体位置，线坠找平、找正。

（注意：开关高度不包括开关面板与盒边的高度差，因此开关插座接线盒的底边标高应比所接器具的标高高约10mm. 在有地板的房间内，以上开关、灯具等的安装高度要随地板高度相应上抬高。）

3.管路连接：

3.1 采用套管连接，两管口分别插入直管接头中间，套管两端与管子丝接。管口挫光滑平整，以保证以后穿线工作顺利进行。管路跨直接用环形管卡固定4mm2铜导线做接地。

项目专业技术负责人：	交底人：	接受人：

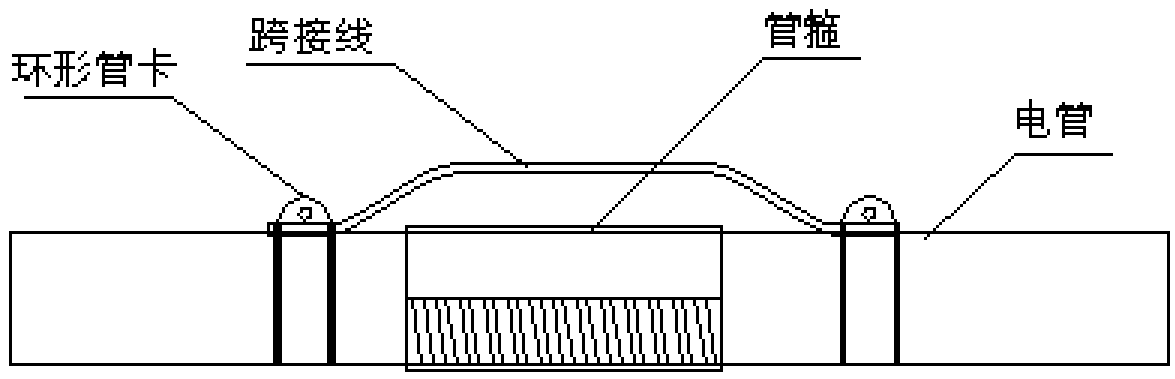
山东省建设工程质量监督总站监制

技术（安全）交底记录

鲁DQ-004 | 0 | 0 | 3 |

工程名称	镇海路7号项目	施工单位	中国建筑第八工程局有限公司
分项工程名称	电线、电缆导管和线槽敷设	交底日期	2014年7月8日

交底内容：①设计图纸要求　②施工规范要求　③质量验评标准



3.2 管路宜沿最近的线路敷设并减少弯曲；埋入墙或混凝土的管子离表面净距不应小于15mm。消防管路不得小于30mm。管路超过下列长度，加装接线盒，以便于穿线。无弯时，每隔30m加一接线盒；有一个弯时，每隔20m加一接线盒；有二个弯时，每隔15m加一接线盒；有三个弯时，每隔8m加一接线盒。

3.3电线管路与其他管道最小距离见表：

管道名称		穿管配线最小距离（mm）
蒸汽管	平行	1000
	交叉	300
采暖、热水管	平行	300
	交叉	100
通风、上下水	平行	100
压缩空气管	交叉	50

3.4 管进盒、箱：盒、箱开孔整齐并与管径相吻合，要求一管一孔，不得开长孔，开孔后刷防锈漆。管口入盒、箱时，管口不得与敲落孔焊接，管口露出盒、箱小于5mm。两根以上管入盒、箱要长短一致，间距均匀，排列整齐。然后按进出线方向尽量选择与管外径相近的接线盒，将对应的敲落孔板取下，在钢

项目专业技术负责人：	交底人：	接受人：

技术（安全）交底记录

鲁DQ-004 | 0 | 0 | 4 |

工程名称	镇海路 7 号项目	施工单位	中国建筑第八工程局有限公司
分项工程名称	电线、电缆导管和线槽敷设	交底日期	2014 年 7 月 8 日

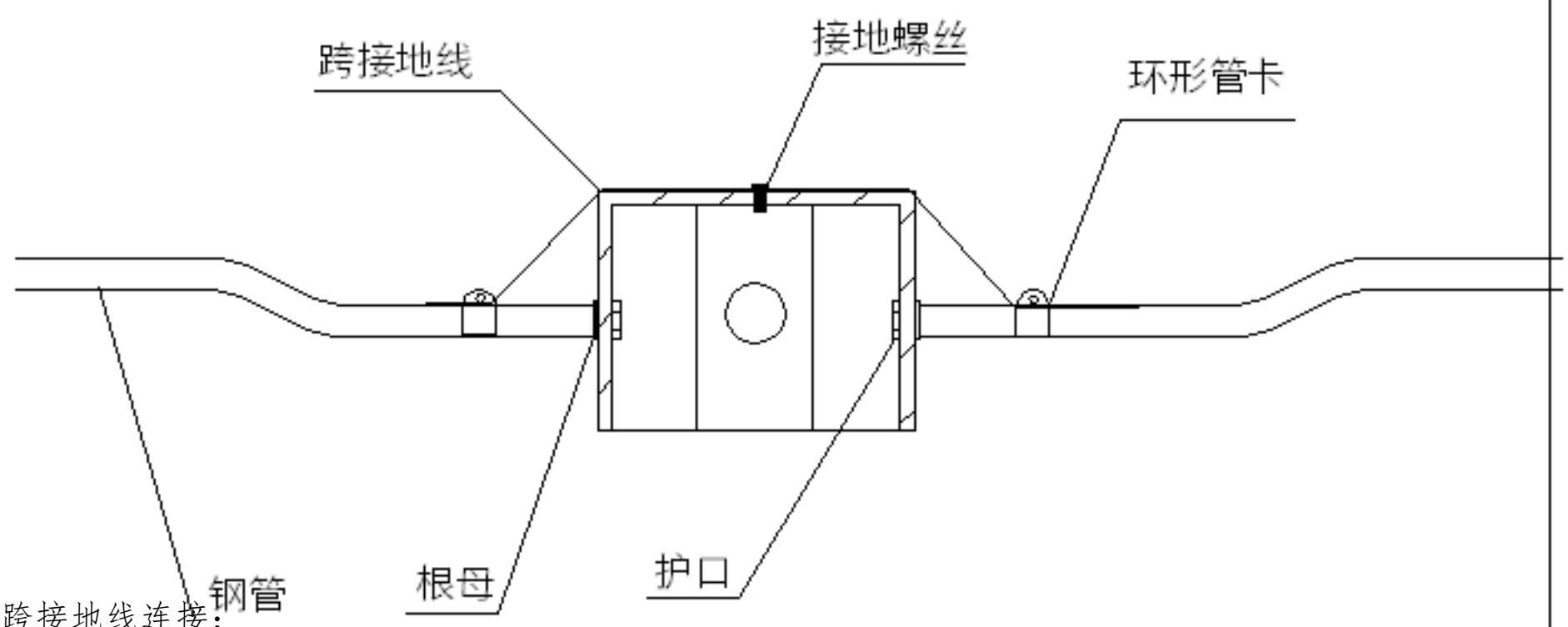
交底内容：①设计图纸要求　②施工规范要求　③质量验评标准

管套丝端上好根母，再把钢管插入接线盒，拧紧锁紧螺母，注意露出的丝扣不得大于 2～3 扣，然后安装接地跨接线，跨接地线采用专用接地线卡跨接，通过专用接地线卡将管与管、管与盒连成一体。最后将接线盒用湿锯末填满，用塑料管堵和胶带封好管口。

4. 镀锌管暗敷设方式：

4.1 墙配管：由于配电箱安装属于二次装修的范围，结构阶段只预留配电箱接线盒。先将接线盒用Φ6圆钢 2 至 3 根与墙内钢筋绑扎固定，接着再敷管，每隔 1m左右，用铅丝绑扎牢固。

4.2 楼板配管：先找灯位，根据房间四周墙的厚度，弹出十字线，在交叉点处将盒子固定牢固，然后再敷管。有两个以上盒子时，要拉直线。管进盒、箱前要煨灯叉弯，煨弯处离管口不要过长，以煨弯为准。管进盒长度要适宜，管路每隔 1m左右用铅丝绑扎牢固。如图 3：



5. 跨接地线连接：

镀锌钢管连接时，管路接头采用专用跨接卡子。将跨接线接头处涮锡，然后将涮锡接头用专用跨接卡子连同钢管连接牢固。

6. 钢管与设备连接：

项目专业技术负责人：	交底人：	接受人：

技术（安全）交底记录

鲁DQ-004 | 0 | 0 | 5 |

工程名称	镇海路7号项目	施工单位	中国建筑第八工程局有限公司
分项工程名称	电线、电缆导管和线槽敷设	交底日期	2014年7月8日

交底内容：①设计图纸要求　②施工规范要求　③质量验评标准

钢管与设备相连时，对室内干燥场所，钢管端部加锌管箍和软管接头后，用保护软管引入；对室内潮湿场所或室外，钢管端部增设防水弯头，软管弯成滴水弧状后引入。与设备连接的钢管距地高度不得低于200mm。

四、质量标准

1.主控项目：

1.1 金属导管必须接地（PE）或接零（PEN）可靠，并符合下列规定：

1.1.1 镀锌钢导管不得熔焊跨接接地线。

1.1.2 金属导管严禁对口熔焊连接；镀锌和壁厚小于等于2mm的钢导管不得套管熔焊连接。

1.1.3 镀锌管丝接漏扣不能超过2扣。

2.一般项目：

2.1 电缆导管的弯曲半径不应小于电缆最小允许弯曲半径。

2.2 暗配的导管，埋设深度与建筑物、构筑物表面的距离不应小于15mm。

2.3 导管在建筑物变形缝处应设补偿装置。

五、 成品保护措施

1.接线盒、箱固定后，在合模前加强巡视，防止土建砼浇筑时导致移位或脱落。

2.对敷设于非砼结构内的金属线盒在非镀锌层处和焊接处均刷防锈油漆。

3.砼楼板、墙内的电气管线施工时，及时配合结构施工，保证不私自断筋和不随意剔凿预制梁、柱和楼板。

4.现浇砼楼板上配管后，土建浇砼时，设专人看守，以免振捣砼时损坏配管和造成盒、箱移位，遇有管路损坏，及时修复。

5.管路敷设完后立即上好管堵，暗配盒安装后用锯末填满并用塑料胶带包扎严密。其它专业工种在施工中严禁私自改动电线管盒电气设备的位置，电工定时巡查。

六、安全保证措施

1.电焊机使用时必须开动火证，并有专人看火。

2.电焊机必须双线到位，二次线长度不得大于30米。

项目专业技术负责人：	交底人：	接受人：

山东省建设工程质量监督总站监制

技术（安全）交底记录

鲁DQ-004 | 0 | 0 | 6 |

工程名称	镇海路 7 号项目	施工单位	中国建筑第八工程局有限公司
分项工程名称	电线、电缆导管和线槽敷设	交底日期	2014 年 7 月 8 日

交底内容：①设计图纸要求　②施工规范要求　③质量验评标准

3. 电缆及焊把线不得拖在地上或绑在钢筋上，必须用木支架架空。

4. 操作者必须穿戴好劳动保护用品，进行高空作业时要系好安全带，采取保护防护措施。

5. 电气焊施工现场 10 米以内不准有易燃、易爆物品。工作面如有此类物品，应将其清除；如有困难，必须采取安全防护措施。

6. 工作时不准将管、线缠绕在身上，雨天、浓雾和潮湿天气禁止在室外进行焊接工作，工作完毕后应认真检查场地，灭绝火种，关断电源。

六、环保措施

1. 加工管材时不得靠近居民区，以免噪声影响临近居民休息。

2. 加工废弃物必须及时清理，不得随意抛弃。

项目专业技术负责人：	交底人：	接受人：

山东省建设工程质量监督总站监制

（英文版 ）

Two regulations promulgated for implementation is in the party in power for a long time and the rule of law conditions, the implementation of comprehensive strictly strategic plan, implementation in accordance with the rules and discipline to manage the party, strengthen inner-party supervision of major initiatives. The two regulations supporting each other, the < code > adhere to a positive advocate, focusing on morality is of Party members and Party leading cadres can see, enough to get a high standard; < rule > around the party discipline, disciplinary ruler requirements, listed as

square face two party rules of interpretation: the first part introduces two party Revised regulations the necessity and the revision process; the second part is the interpretation of the two fundamental principles of the revision of laws and regulations in the party; the third part introduces two party regulations modified the main changes and needs to grasp several key problems; the fourth part on how to grasp the implementation of the two regulations of the party. < code > and < Regulations > revised the necessity and revised history of the CPC Central Committee the amendment to the Chinese Communist Party members and leading cadres honest politics several guidelines 〉 and 〈 Chinese Communist Party discipline and Punishment Regulations > column 1 by 2015 to strengthen

party laws and regulations focus. Two party regulations revision work lasted a Years, pooling the wisdom of the whole party, ideological consensus, draw historical experience, respect for the wisdom of our predecessors, which reflects the unity of inheritance and innovation; follow the correct direction, grasp the limited goals, adhere to the party's leadership, to solve the masses of the people reflect a focus on the problem. The new revision of the < code > and < rule >, reflects the party's 18 and the eighth session of the third, the spirit of the fourth plenary session, reflecting the experience of studying and implementing the General Secretary Xi Jinping series of important speech, reflects the party's eighteen years comprehensive strictly practice. (a) revised two regulations of the party need of〈 the ICAC guidelines 〉 in〈 in 1997 Leaders as members of the Communist Party of China clean politics certain criteria (Trial) 〉 based on revised, the promulgation and implementation of January 2010, to strengthen the construction of the contingent of leading cadres play an important role. But with the party to manage the party strictly administering the deepening, has not been able to fully meet the actual needs. Content is too complicated, prohibition, 52 are not

second is concisely positive advocated by the lack of prohibited provisions excessive, no autonomy requirements; the third is banned terms and discipline law, both with the party discipline, disciplinary regulations

repeat and Criminal law and other laws and regulations repeat; the fourth is

narrow, only needle of county-level leading cadres above. < rule > is in 1997 〈 Chinese Communist Party disciplinary cases (Trial) > based on revision, in December 2003 the promulgation and implementation, to strengthen the construction of the party play very important role. Along with the development of the situation, which many provisions have been unable to fully meet the comprehensive strictly administering the practice needs. One is Ji law, more than half of the provisions and criminal law and other countries laws and regulations Repetition; two is the political discipline regulations is not prominent, not specific, for violation of the party constitution, damage the authority of Party Constitution of misconduct lack necessary and serious responsibility to pursue; third is the main discipline for the leading cadres, does not cover all Party members. Based on the above situation, need to < the criterion of a clean and honest administration 〉 and 〈 rule 〉 the two is likely to be more relevant regulations first amendment. By revising, really put the authority of Party discipline, the seriousness in the party tree and call up the majority of Party members and cadres of the party constitution of party compasses party consciousness. (II) two party regulations revision process the Central Committee of the Communist Party of China attaches great importance to two regulations revision . Xi Jinping, general books recorded in the Fifth

Session of the eighth session of the Central Commission for Discipline Inspection, on the revised regulations 〈 〉 made clear instructions. According to the central deployment, the Central Commission for Discipline Inspection from 2014 under six months begin study two regulations revision. The Standing Committee of the Central Commission for Discipline Inspection 4 review revised. Comrade Wang Qishan 14 times held a special meeting to study two regulations revision, amendment clarifies the direction, major issues of principle, path and target, respectively held a forum will listen to part of the province (area) secretary of the Party committee, Secretary of the Discipline Inspection Commission, part of the central ministries and state organs Department

The first party committee is mainly responsible for people, views of experts and scholars and grassroots party organizations and Party members. Approved by the Central Committee of the Communist Party of China, on 7 September 2015, the general office of the Central Committee of the Party issued a notice to solicit the provinces (autonomous regions, municipalities) Party, the central ministries and commissions, state ministries and commissions of the Party (party), the General Political Department of the military, every 3 people organization of Party of two regulations revision opinion. Central Commission for Discipline Inspection of extensive solicitation of opinions, careful study, attracting, formed a revised sent reviewers. In October 8 and October 12, Central Committee Political

Standing Committee and the Political Bureau of the Central Committee After consideration of the two regulations revised draft. On October 18, the Central Committee of the Communist Party of China formally issued two regulations. Can say, two laws amendment concentrated the wisdom of the whole party, embodies the party. Second, < code > and < Regulations > revision of the basic principles of two party regulations revision work and implement the party's eighteen, ten eight plenary, the spirit of the Fourth Plenary Session of the Eleventh Central Committee and General Secretary Xi Jinping important instructions on the revised < low political criterion > and < Regulations >, highlighting the ruling party characteristics, serious discipline, the discipline quite in front of the law, based on the current, a long-term, advance as a whole, with Bu Xiuding independent < rule > and < rule >. Main principle is: first, adhere to the party constitution to follow. The constitution about discipline and self-discipline required specific, awaken the party constitution of party compasses party consciousness, maintaining the authority of the side round. Party constitution is the fundamental law, the party must follow the general rules. In early 2015 held the eighth session of the Central Commission for Discipline Inspection Fifth Plenary Session of the 16th Central Committee, Xi Jinping again pointed out that constitution is the

the 〈 code 〉 and 〈 rule 〉 is Method in adhere to the regulations established for the purpose of combining rule of virtue is to adhere to the party constitution as a fundamental to follow, the constitution authority set up, wake up the party constitution and party rules the sense of discipline, the party constitution about discipline and self-discipline specific requirements. 4 second is to adhere to in accordance with the regulations

refers to the party's ideals and beliefs, excellent traditional style. The

self-discipline, focusing on the morality, and the majority of Party members and the ideological and moral standards. The revised 〈 〉 Ji method separately, Ji, Ji Y

the heteronomy, focusing on vertical gauge. Is this one high and one low, a positive reaction, the strict party discipline and practice results transformation for the integration of the whole party to observe moral and

discipline requirements, for the majority of Party members and cadres provides benchmarking and ruler. Third, insist on to. In view of the problems existing in the party at the present stage, the main problems of Party members and cadres in the aspect of self-discipline and abide by the discipline to make clearly defined, especially the party's eighteen years strict political discipline and political rules, organization and discipline and

implement the central eight provisions of the spirit against the four winds and other requirements into Disciplinary provisions. Not one pace reachs the designated position, focusing on in line with reality, pragmatic and effective. After the revision of major changes, major changes in the < code > and < rule > modified and needs to grasp several key problems (a) < code > < code > adhere to according to regulations governing the party and party with morals in combination, for at the present stage, the leadership of the party members and cadres and Party members in existing main problems of self-discipline, put forward principles, requirements and specifications, showing Communists noble moral pursuit, reflected at all times and in all over the world ethics from high from low 5 common

direct relation to the provisions of . the second is adhere to a positive

is for all the party members, will apply object from the leadership of the party members and cadres to expand to all Party members, fully embodies the comprehensive strictly required. The fourth is prominent key minority, seize the leadership of the party members and cadres is the key, and put forward higher requirements than the ordinary Party members. Five is to simplify, and strive to achieve concise, easy to understand, easy to remember. The revised < code > is the ruling Party since the first insists on

members and the self-discipline norms,

moral declaration issued to all members of the party and the National People's solemn commitment. 〉〈 criterion of a clean and honest administration consists of 4 parts, 18, more than 3600 words. After the revision of the 〈 code 〉, a total of eight, 281 words, including lead, specification and Party member cadre clean fingered self-discipline norms, etc. Part 3 members low-cost clean and self-discipline, the main contents

ideal and faith, fundamental purpose, the fine traditions and work style,

tone of self-discipline, The higher request for 6 and supervised tenet, the foothold in permanent Bao the party's advanced nature and purity, to reflect the revised standards requirements. Members of self-discipline norms around the party members how to correctly treat and deal with the

and and thrifty and extravagance

self-discipline norms for the leadership of the party members and cadres of

the exercise of power, moral integrity, a good family tradition and other aspects of the leadership of the party members and cadres of the

of eight, collectively referred to as the and of the content from the party constitution and Party's several generation of leaders, especially Xi Jinping, general secretary of the important discussion, refer to the discipline and eight points for statements, and reference some embody the Chinese nation excellent traditional culture essence of epigrams. (2) the revised regulations, the main changes in the revised Regulations > to fully adapt to the strictly requirements, reflects the according to the regulations governing the law of recognition of deepening, the realization of the discipline construction and Jin Ju. < rule > is party a ruler, members of the basic line and follow. And the majority of Party members and cadres of Party organizations at all levels should adhere to the bottom line of thinking, fear discipline, hold the bottom line, as a preventive measure, to keep the party's advanced nature and purity. 1, respect for the constitution, refinement and discipline. Revised 〈 rule 〉 from comprehensive comb physical constitution began, the party constitution and other regulations of the Party of Party organizations and Party discipline requirements refinement, clearly defined in violation of the party constitution will be in accordance with regulations to give the corresponding disciplinary action. The original 10 categories of misconduct, integration specification for political discipline, discipline, honesty and discipline masses Ji Law and discipline and discipline and other six categories, the content of < rule >

real return to Party discipline, for the majority of Party members and listed a list. 7 2, highlighting the political discipline and political rules. 》〈 Regulations according to the stage of the discipline of outstanding performance, emphasizing political discipline and political rules, organization and discipline, in opposition to the party's leadership and the party's basic theory, basic line, basic program and basic experience, the basic requirement of behavior made prescribed punishment, increase the cliques, against the organization such as violation of the provisions, to ensure that the central government decrees and the Party of centralized and unified. 3, adhere to strict discipline in the law and discipline In front, Ji separated. Revised < Regulations > adhere to the problem oriented, do Ji separated. Any national law existing content, will not repeat the provisions, the total removal of 79 and criminal law, repeat the content of the public security management punishment law, and other laws and regulations. In the general reiterated that party organizations and Party members must conscientiously accept the party's discipline, die van comply with national laws and regulations; at the same time, to investigate violations of Party members and even criminal behavior of Party discipline and responsibility, > < Regulations distinguish five different conditions, with special provisions were made provisions, so as to realize the connection of Party discipline and state law. 4, reflect Wind building and anti-corruption struggle of the latest achievements. 〈 rule 〉 the party's eighteen years

implement the spirit of the central provisions of the eight, against the requirements of the and transformation for disciplinary provisions, reflecting the style construction is always on the road, not a gust of wind. In the fight against corruption out of new problems, increase the trading rights, the use of authority relatives profit and other disciplinary terms. Prominent discipline of the masses, the new against the interests of the masses and ignore the demands of the masses and other disciplinary terms and make provisions of the disposition and the destruction of the party's close ties with the masses.

Discipline to protect the party's purpose. 8 of these regulations, a total of three series, Chapter 15, 178, more than 24000 words, after the revision of the regulations a total of 3 series, Chapter 11, 133, 17000 words, divided

Part 3. Among them, add, delete, modify the provisions of the proportion of up to nearly 90%. 1, the general general is divided into five chapters. The first chapter to the regulations of the guiding ideology, principles and scope of application of the provisions, highlight the strengthening of the party constitution consciousness, maintenance the authority of Party Constitution, increase the party organizations and Party members must abide by the party constitution, Yan Centralized centralized, would examine at all levels of the amended provisions implementing and maintaining Party discipline, and consciously accept the party discipline,

exemplary compliance with national laws and regulations. The second chapter of discipline concept, disciplinary action types and effects of the regulations, will be a serious warning from the original a year for a year and a half; increase the Party Congress representative, by leaving the party above (including leave probation) punishment, the party organization should be terminated its representative qualification provisions. The third chapter of the disciplinary rules of use prescribed in the discipline rectifying process, non convergence, not close hand classified as severely five years, these five years is to pay close attention to the provisions of the on suspicion of illegal party disciplinary distinguish five different conditions, with special provisions were made provisions, to achieve effective convergence of Party and country 9 method. 〈 rule 〉 the provisions of Article 27, Party organizations in the disciplinary review found that party members have committed embezzlement, bribery, dereliction of duty dereliction of duty and other criminal law act is suspected of committing a crime shall give cancel party posts, probation or expelled from the party. The second is < Regulations 〉 Article 28 the provisions of Party organizations in the disciplinary review But found that party members are stipulated in the criminal law, although not involved in a crime shall be investigated for Party discipline and responsibility should

be depending on the specific circumstances shall be given a warning until expelled punishment. This situation and a difference is that the former regulation behavior has been suspected of a crime, the feeling is quite strict, and the latter for the behavior not involving crime, only the objective performance of the provisions of the criminal code of behavior, but the plot is a crime to slightly. 〈 Regulations 〉 the 29 provisions, Party organizations in the discipline review found that party members and other illegal behavior, affect the party's image, the damage to the party, the state and the people's interests, we should depend on the situation Seriousness given disciplinary action. The loss of Party members, seriously damaging the party's image of behavior, should be given expelled from the party. At this article is party member is in violation of the criminal law outside the other illegal acts, such as violates the public security administration punishment law, customs law, financial laws and regulations behavior. The fourth is < cases > Article 32 stipulates, minor party members and the circumstances of the crime, the people's Procuratorate shall make a decision not to initiate a prosecution, or the people's court shall make a conviction and exempted from criminal punishment shall be given within the party is removed from his post, probation or expelled from the party. Party members and crime, sheets were fined in accordance with For acts; the principal Ordinance amended the provisions of the preceding paragraph. This is the new content, in order to achieve Ji method effective

以上内容仅为本文档的试下载部分，为可阅读页数的一半内容。如要下载或阅读全文，请访问：https://d.book118.com/566123054221011015