Yard plan
堆场平面图 1:150

混凝土地面设置分隔缝，纵向缩缝（间距3~12m）采用平缝，横向缩缝做假缝，切缝深度（6~12m）假缝宽2~20mm，高度为板厚度的1/3，横向假缝做完成（具体详见水泥平面大样）。
Split joints are set on the concrete floor. Longitudinal shrinkage joints (spacing 3~12m) are flat or slits joints, and transverse shrinkage joints are false joints. The gap between cutting joints (6~12m) is 5~20mm wide, and the height is 1/3 of the thickness of cushion.

设计说明

1、设计依据
1.1 我院接受相关工程的设计委托或方案设计单位所提供的委托或批准文件；
1.2 经批准的有关工程项目设计或方案设计文件，供应方提供人；
1.3 建设方提供的有关工程地质勘察资料及其他资料；
1.4 现行的国家或行业有关的规范标准，规范和规定。

2、项目概况
2.1 本工程工程名称：长支新物流（张家港）有限公司危险品仓储物流项目
建筑名称：07-集装箱堆场
建设单位：张家港市
建筑性质：物流类
2.2 本工程储存物质为危险品储存等，91.76.17甲类4a，火灾危险性类别：甲类
防水等级：二级，耐火等级：二级
混凝土抗渗等级：P8
3、设计标高与总平面规定如下：
3.1 本工程±0.000绝对标高详见建施总02m。
3.2 总图标注标高为完成面标高（建筑面标高）。
3.3 本工程设计标高为相对标高，详见总平面图。
本项目设计以建筑定位图，相关见总平面图。
3.4 本工程标高以米(m)为单位，总平面尺寸以毫米(mm)为单位。
3.5 预埋套管、洞施工前，要根据有关图纸，核对，无误，后按照管理制度实施变更
施工过程要按照不同类别的规格以及设备厂家提供的要求预留及预埋安装。
4、场平台地面做法
4.1 本工程场地地面分别为普通地坪地面。
4.2 钢结构平台面，耐火要求为0.25小时钢结构平台面，耐火极限不小于1.5h，钢平台踏步面，耐火极限不小于1.0h。
钢结构平台面防火要求满足《钢结构防火涂料应用技术规程》CECS24:90-2022的相关要求。
4.3 室外钢结构钢梯，钢结构踏步面，耐火极限不低于1.5h，钢结构踏步面，耐火极限不低于1.0h。
钢结构梯井平台面防火要求满足《钢结构防火涂料应用技术规程》CECS24:90-2022的相关要求。
钢结构楼梯井平台面防火要求满足《钢结构防火涂料应用技术规程》GB14907-2002的相关要求。
5、其他相关说明：

编号	做法名称	具体做法	适用名称	备注
地面一	不发火防静电地面	1、防静电PU面层(最薄处2毫米厚)，内掺GB12020.4系列防爆颜料,整体无缝施工,导电阻值在2E6-8E9Ω 2、1:2聚合物水泥砂浆找平层 3、结构地坪(结构地坪1.5厚C30混凝土自流平找坡)	堆场一区域 (1轴~2轴)	1.不发火导电地坪不会影响电石灰石，但会影响， 2.不发火地面需每年进行检测，以确保静电释放性能符合要求。
地面二	防渗地面	1、防静电PU面层(最薄处2毫米厚)，内掺GB12020.4系列防爆颜料,整体无缝施工 2、1:2聚合物水泥砂浆找平层 3、结构地坪(结构地坪1.5厚C30混凝土自流平找坡)	堆场二区域 (2轴~3轴)	
外墙	砖墙外墙	1、20厚1:2水泥砂浆刷面(掺防水剂) 2、粘结层刷素水泥浆(内掺5%~7%建筑胶) 3、20厚1:2水泥砂浆罩面	围墙	

Table 1 The relationship between prepared mortar and traditional mortar

pre-mixed mortar	pre-mixed mortar	Traditional mortar
masonry mortar	MU5 M5.0 DM M5	M5Mixed mortar M5cement mortar
	MU7.5 DM M7.5 DM M7.5	M7.5Mixed mortar M7.5cement mortar
	MU10 DM M10 DM M10	M10Mixed mortar M10cement mortar
	MU15 DM M15 DM M15	M15Cement mortar
	MU20 DM M20	M20cement mortar
plastering mortar	MP M15 DP M15	1:1.5Mixed mortar
	MP M10 DP M10	1:2Mixed mortar
	MP M15 DP M15	1:3cement mortar
	MP M20 DP M20	1:2cement mortar、1:3.5cement mortar
		1:3.5Mixed mortar
screeding mortar	MU M15 DU M15	1:3cement mortar
	MU M20 DU M20	1:2cement mortar

编号：预拌砂浆与传统砂浆适用关系表		
名称	预拌砂浆	传统砂浆
砌筑砂浆	MU M5、DM M5	M5混合砂浆、M5水泥砂浆
	MU M7.5、DM M7.5	M7.5混合砂浆、M7.5水泥砂浆
	MU M10、DM M10	M10混合砂浆、M10水泥砂浆
	MU M15、DM M15	M15水泥砂浆
	MU M20、DM M20	M20水泥砂浆
抹灰砂浆	MP M5、DP M5	1:1:6混合砂浆
	MP M10、DP M10	1:1:4混合砂浆
	MP M15、DP M15	1:3水泥砂浆
	MP M20、DP M20	1:2水泥砂浆、1:2.5水泥砂浆
		1:3.5混合砂浆
地面砂浆	MU M15、DU M15	1:3水泥砂浆
	MU M20、DU M20	1:2水泥砂浆

General description

1、Design basis
1.1 The approval opinions or approval documents of the planning department for the preliminary design or scheme design of the project;
1.2 The approved preliminary design or scheme design documents of the project and the opinions of the construction party;
1.3 Geological survey data and elevation data of the project provided by the builder;
1.4 Existing national or industry-related building design codes, regulations and regulations.

2、Project overview
2.1 Project name:Bertschi Logistics (Zhangjiagang) Co., Ltd. Chemicals Warehousing Logistics Project
Building name:07-Container yard
Building Addr:zhangjiagang
Architectural Nature:structures
2.2 Total area of construction:91783.17m² hazards:Class A
waterproofing grade:2 Refractory limit:2
Anti-seepage grade of concrete:P8

3、Design elevation and orientation of the general plan building
3.1 This project:±0.000Amount to the Yellow sea altitude3.0m
3.2 The marked elevation of each floor is the completed surface elevation (building surface elevation).
3.3 The project positioning coordinate system is the urban coordinate system, see the general plan for details;
If there is no architectural positioning drawing for the single design, please refer to the general plan;
3.4 All dimensions in millimeters except silo plan and elevation in meters.
3.5 construction joints of waterproof concrete, reserved holes, corners, pits, post-pouring belts and deformation joints of pipes through walls
Construction practices of waste tires in underground engineering should be dealt with according to gb50208-2002 quality acceptance code for underground waterproof engineering.

4、Steel platform and other steel parts
4.1 All steel parts of the project are hot-dip galvanized profiles.
4.2 Thick Fire retardant Coatings for Steel column Brush Room, fire resistance time is not less than 2.5h;Steel beam brush indoor thick type fire retardant coating fire resistance time is not less than 1.5h;
Roof steel purlins brush indoor ultra-thin fire retardant paint, fire resistance time is not less than 1.0h.The technical requirements for fire retardant coatings for steel structures meet the relevant requirements of GB14907-2002.
4.3 Steel structure of outdoor steel ladder,Thick Fire retardant Coatings for Steel column Brush Room, fire resistance time is not less than 2.5h Steel beam brush indoor thick type fire retardant coating fire resistance time is not less than 1.5h.
Steel ladder rest platform brush thick type fire retardant coating, fireproof limit reached 1.0h, steel step brush indoor ultra-thin fire retardant coating, fireproof limit reached 0.25h.Step fire retardant paint is brushed on the back of the step.
The technical requirements for fire retardant coatings for steel structures meet the relevant requirements of GB14907-2002.

5、Construction practice sheet

NO.	Name	specific methods	Name	Remarks
Ground1	Do not fire impervious ground	1.80mm thick C30 Fine stone concrete 4%F+ with 4%8000 Single layer double mesh. Polish as needed(Aggregate with limestone, dolomite) 2.1.2mm thick PE Thin film layer 3.Structure of the floor(For details)	Storage area 1 ground floor (3shaft-2shaft)	1.Non - ignition aggregate with non - debris limestone, dolomite sand. 2.The non-igniting ground can only be used after passing the non-igniting test.
Ground2	Emery impermeable ground	1.80mm thick C30 Fine stone concrete 4%F+ with 4%8000 Single layer double mesh. After the strength reaches the standard, metal aggregate is scattered on the surface. 2mm thick Metal aggregate wear-resistant surface layer, along with playing with polish 2.1.2mm thick PE Thin film layer 3.Structure of the floor(For details)	Storage area 2 ground floor (2shaft-3shaft)	
Exterior wall	Exterior coating	1.20mm thick 1:2 Cement mortar plaster(The outside cofferdam) 2.Cast-in-place cofferdam wall(The thickness of the250/200) 3.20mm thick 1:2 Cement mortar plaster(The inside cofferdam)	Cofferdam	

图纸开发翻译存在矛盾，以开发文版。
In case of any conflict between Chinese and English translation in the drawing,the Chinese version shall prevail.

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0	新建图纸	刘金龙	2024.4	刘金龙	刘金龙	2020.03.27
版次 REV.	修改 DESCRIPTION	设计 DESIGN	制图 DRAWN	审核 CHECKED	专业负责人 APPROVED	校对意见 PROCESS	日期 DATE

河北美科石化工程有限公司
HEBEI ENDO PETROCHEMICAL ENGINEERING CO.,LTD

项目名称 Project	长支新物流（张家港）有限公司危险品仓储物流项目 Chemicals Warehousing Logistics Project
子项名称 Sub-item	07-集装箱堆场 07-Container yard
图纸类别 Drawing	Construction drawing
图号 No.	YKSZ15080-D-AR-07-PLN-F01

设计阶段 Design stage	施工图 Construction drawing	专业 Discipline	建筑 ARCH	比例 Scale	1:150	日期 Date	2024.03	版次 REV.	0

设计、绘图、审查图、主要图、模板图
Design description, plan, elevation drawing, section drawing