Process relations map
Open Systems
A.A. 2022/2023
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AVAILABLE RENOVATIONS
Analysis of possible sites
feasibility analysis
Site inspection
Design the renovation
Define the installations
Establish and manage relationships with External design companies
Design of secondary systems
Design of primary systems
Structural Design
Inspection of the entire project
Project planning
Establish and manage relations with the managers of the activities
Flow of information and deliverables
Workforce within the contracted company
Workforce that enters the process
Workforce that comes out of the process
Workforce that moves within the renovation process
Company border
EXTERNAL COMPANY
SPECIALIZED WORKFORCE
Action
Informations
Construction
Management
Supervision
Designing
WF RENOVATION DESIGN
PROJECT MANAGER
WF PROGETTAZIONE DI IMPIANTI
WF PROGETTAZIONE DI IMPIANTI
WF PROGETTAZIONE STRUTTURE
TOOLS AND MACHINES TM
WS TM
WASTE MANAGEMENT TM
FINISHES TM
STRUCTURAL WORKS TM
SECONDARY SYS TM
PRIMARY SYS TM
REGULATORY AND FINANCIAL TM
Establish and manage relations with machines and tools suppliers
Establish and manage relations with the workforce that manage the WS
Establish and manage relations with waste management companies
Establish and manage relations with contracted companies for external finishes
Establish and manage relations with contracted companies for srtructural works
Establish and manage relations with contracted companies for secondary systems
Establish and manage relations with contracted companies for primary system
Establish and manage relations with financial and regulatory institutions
SYSTEM DESIGN WF
Secure specialized WF
PRIMARY SYSTEM DESIGN COMPANY
SECONDARY SYSTEM DESIGN COMPANY
STRUCTUREAL DESIGN WF
STRUCTURAL DESIGN COMPANY
SOUNDPROOF MATLS MNF
DRYWALLS MNF
EXT FIXTURES MNF
CONCRETE MNF
ROOF MATERIALS MNF
EXT COAT MNF
LIFTS MNF
POOL MNF
VENTILATION SYSTEMS MNF
GAS SYS MNF
ELECTRIC SYS MNF
PLUMBINGS MNF
Secure materials
Secure spec. WF
Secure spec. WF
Secure insurance
Secure permits
Secure specialized workforce
SCAFFOLDINGS MNF
GROUND MACHINES MNF
BUILDING MATERIAL MNF
PREBUILT ELEMENT MNF
HEIGHT MACHINES MNF
TOOL MNF
CONSTRUCTION SITE SERVICES MNF
MATERIALS MNF
Secure prebuilt structural elements
Secure scaffoldings
Secure height machines
Secure ground machines
Secure tools
Secure building materials
Secure materials
Secure specialized WF
Material moving from the external companies to the storing area
Material moving from the storage area to the operation area
Material moving from the operation area to the waste storage area
Material moving from the waste storage area to the waste management company
GARDENING TM
Establish and manage relations with gardening companies
GARDENING MAT MNF
VIVARIUM
Secure vegetation
Secure materials
Secure specialized WF
Establish and manage relations with structural inspection company
Establish and manage relations with the installations inspection company
Establish and manage relations with the insulations inspection company
Site delimitation
Conect worksite to the grid
Instal construction services on site
Disconnect building from the gas grid
Disconnect building from the electrical grid
Disconnect building from the water grid
Assemble scaffoldings
Assemble height machines
Assemble ground machines
Remove external fixtures
Remove internal fixtures
Remove external coat
Remove flooring
Remove gas installations
Remove electrical installations
Remove water installations
Basement inspection
Vertical elements inspection
Horizontal element inspection
Roof is dismantled
Prebuilt structural elements are installed
Form new structural elements in concrete
Renovate roof
Framing of new external spaces
Framing of new internal spaces
Framing of the pool
Framing of the lift shaft
Renovate external coat
Renovate internal walls
Renovate gas installations
Renovate electrical installations
Renovate water installations
Inspect water installations
Inspect gas installations
Inspect electrical installations
Install ventilation system
Install lift
Install pool system
Fill internal wall with plaster and grout
Flooring
Install external fixtures
Test thermal insulation
Test air insulation
Sand internal walls
Install drywalls
Install soundproofing materials
Paint internal walls
Install internal fixtures
Install cabinets
Install appliances
Disassemble scaffoldings
Disassemble ground machines
Disassemble height machines
Disconnect CS from the grid
Uninstall worksite services
Clean site
Dismantle CS services
Customer finishes choice
Manage choiches from customer
CUSTOMER
Establish and manage relations with the tasks managers
BUILDING DESIGN WF
FURNITURE AND APPLIANCES TM
INTERNAL FINISHES TM
Establish and manage relations with furnitures and appliances company
Establish and manage relations with internal finishes company
FURNITURES MNF
FLOORS MNF
INTERNAL FIXTURES MNF
PLASTER AND PAINT MNF
FLOORING WF
EXT FIXTURES WF
DRYWALLS INST WF
SOUNDPROOFING WF
DECORATORS WF
INT FIXTURES WF
FURNITURE INST WF
GRID MANAGERS WF
WS SERVICES WF
RENOVATING WF
SUPERVISION WF
WASTE MANAGEMENT WF
CONCRETE WORKS WF
ROOF RENOVATION WF
EXT COAT INST WF
PLUMBINGS WF
ELECTRICAL SYS WF
GAS SYS WF
INSPECTION WF
POOL INST WF
LIFT INST WF
VENTILATION SYS WF
GARDENING WF
Organize waste zones on CS
Collect waste from installations dismantling
Collect waste from dismantling
Collect waste from framings
Collect waste from primary systems
Collect waste from secondary systems
Collect waste from soil handling
Collect waste from plants trimming
Collect waste from interior finishes
Dismantle waste zones from the CS
Remove plants and debris
Excavate to create holes and hills
Soil composition analysis
Installation of the irrigation system
Distribution of the soil
Vegetation is planted
Plants are trimmed
WATER SYS SCRAPS
ELECTRICAL SYS SCRAPS
GAS SYS SCRAPS
FIXTURES SCRAPS
STRUCTURE AND FINISHES SCRAPS
EXT COAT SCRAPS
PREBUILT STRUCTURAL ELEMENTS SCRAPS
UNUSED CONCRETE
ROOF RENOVATION SCRAPS
ROOFTOP SCRAPS
EXT COAT SCARPS AND UNUSED MATERIALS
FRAMINGS SCRAPS
GAS SYS SCRAPS AND UNUSED MATERIALS
ELECTRICAL SYS SCRAPS UNUSED MATERIALS
WATER SYS SCRAPS UNUSED MATERIALS
VENTILATION SYS SCRAPS AND UNUSED MATERIALS
LIFT SYS SCRAPS UNUSED MATERIALS
POOL SYS SCRAPS UNUSED MATERIALS
SCRAPS SOIL
SCRAPS PLANTS
PLANTS TRIMMINGS
SCRAPS PLANTS
FURNITURE PACKAGING
APPLIANCES PACKAGING
EXTERNAL FIXTURES SCRAPS AND UNUSED MATERIALS
FLOORING SCRAPS AND UNUSED MATERIALS
PLASTERING AND PAINTING SCRAPS AND UNUSED MATERIALS
DRYWALLS SCRAPS AND UNUSED MATERIALS
SOUNDPROOFING SCRAPS AND UNUSED MATERIALS
INTERNAL FIXTURES SCRAPS AND UNUSED MATERIALS
WASTE REUSE AND RECYCLING EXTERNAL COMPANIES
WASTE R&R WF