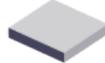
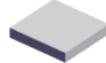
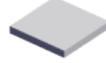
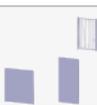


|                               | Etapas 2 (PP) |  | Etapas 3 (TP) |   |     |
|-------------------------------|---------------|--|---------------|---|-----|
| Architecture                  |               |  |               |   |     |
| Substructure                  |               |  |               |   |     |
| Foundations                   |               |  |               |   |     |
| Standard Foundations          | 200           |    | ARC 200       |    | ARC |
| Wall Foundations              |               |     | ARC           |    | ARC |
| Column / Isolated Foundations |               |     | ARC           |    | ARC |
| Slabs-on-Grade                |               |  |               |   |     |
| Standard Slabs-on-Grade       | 200           |     | ARC 200       |    | ARC |
| Slabs-on-Grade                |               |     | ARC           |    | ARC |
| Slab Penetrations / Voids     |               |  |               |    | ARC |
| Shell                         |               |  |               |   |     |
| Superstructure                |               |  |               |   |     |
| Floor Construction            | 200           |  | ARC 200       |  | ARC |
| Basic Floor                   |               |  | ARC           |  | ARC |
| Floor Slabs                   |               |  |               |  | ARC |
| Floor Toppings                |               |  |               |  | ARC |
| Ramps                         |               |   | ARC           |  | ARC |
| Vertical Construction         | 200           |  | ARC 200       |  | ARC |
| Core / Shaft Walls            |               |   | ARC           |  | ARC |
| Columns                       |               |   | ARC           |  | ARC |
| Column Caps                   |               |  |               |  | ARC |

|                                     | Etapas 2 (PP) |  | Etapas 3 (TP)   |   |
|-------------------------------------|---------------|--|---|---|
| Column Corbels                      |               |  |  | ARC   |
| Concrete Structures                 | 200           |  ARC   | 200   |  ARC   |
| Mat Slabs                           |               |  ARC   |   |  ARC   |
| Round Concrete Columns              |               |  ARC    |   |  ARC   |
| Squared Concrete Columns            |               |  ARC    |   |  ARC   |
| Concrete Beams                      |               |  ARC    |   |  ARC   |
| Roof Construction                   | 200           |  ARC   | 200   |  ARC   |
| Basic Roof                          |               |  ARC   |   |  ARC   |
| Roof Slabs                          |               |  ARC  |   |  ARC  |
| Roof Waterproofing                  |               |  |   |  ARC |
| Stairs                              | 200           |  ARC  | 200   |  ARC |
| Metal Stairs                        |               |  ARC  |   |  ARC |
| Concrete Stairs                     |               |  ARC  |   |  ARC |
| Stair Railings                      |               |  |   |  ARC |
| Fire Escapes                        |               |  |   |  ARC |
| Ladders                             |               |  |   |  ARC |
| <b>Exterior Vertical Enclosures</b> |               |  |   |   |
| Exterior Walls                      | 200           |  ARC | 200   |  ARC |

|   | Etapas 2 (PP)  | Etapas 3 (TP)   |
|---|--|---|
| Basic Exterior Wall                         |  ARC            |  ARC           |
| Exterior Wall Insulation                    |  |  ARC           |
| Exterior Wall Penetrations / Voids          |  |  ARC           |
| Exterior Masonry Wall                       |  ARC            |  ARC           |
| Concrete Wall Parapet                       |  |  ARC           |
| Exterior Concrete Walls                     |  ARC            |  ARC           |
| Exterior Concrete Wall Penetrations / Voids |  |  ARC           |
| Exterior Pre-cast Wall                      |  ARC            |  ARC           |
| Exterior Windows                            | 200  ARC 200   | 200  ARC 200  |
| Basic Exterior Windows                      |  ARC          |  ARC         |
| Exterior Operating Windows                  |  |  ARC         |
| Exterior Window Wall                        |  ARC          |  ARC         |
| Exterior Doors and Grilles                  | 200  ARC 200 | 200  ARC 200 |
| Basic Exterior Doors                        |  ARC          |  ARC         |
| Exterior Entrance Doors                     |  |  ARC         |
| Exterior Utility Doors                      |  |  ARC         |
| Exterior Special Function Doors             |  ARC          |  ARC         |

|   | Etapas 2 (PP) |  | Etapas 3 (TP) |   |
|---|---------------|--|---------------|---|
| Exterior Gates                              |               |  ARC    |               |  ARC   |
| Exterior Louvers and Vents                  | 200           |  ARC   | 200           |  ARC   |
| Exterior Louvers                            |               |  ARC    |               |  ARC   |
| Exterior Vents                              |               |  ARC    |               |  ARC   |
| <b>Interiors</b>                            |               |  |               |   |
| <b>Interior Construction</b>                |               |  |               |   |
| Interior Partitions                         | 200           |  ARC    | 200           |  ARC   |
| Interior Fixed Partitions                   |               |  ARC    |               |  ARC   |
| Interior Glazed Partitions                  |               |  |               |  ARC   |
| Interior Operable Partitions                |               |  |               |  ARC  |
| Interior Walls                              | 200           |  ARC | 200           |  ARC |
| Basic Interior Wall                         |               |  ARC  |               |  ARC |
| Interior Wall Gypsum Board                  |               |  |               |  ARC |
| Interior Wall Firestopping                  |               |  |               |  ARC |
| Interior Masonry Wall                       |               |  ARC  |               |  ARC |
| Interior Masonry Wall Penetration / Voids   |               |  |               |  ARC |
| Interior Concrete Walls                     |               |  ARC  |               |  ARC |
| Interior Concrete Wall Penetrations / Voids |               |  |               |  ARC |
| Interior Pre-cast Wall                      |               |  ARC  |               |  ARC |

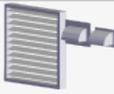
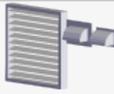
|   | Etapas 2 (PP) |  | Etapas 3 (TP) |   |
|---|---------------|--|---------------|---|
| Interior Pre-cast Wall Penetrations / Voids |               |  |               |  ARC   |
| Interior Windows                            | 200           |     | ARC 200       |  ARC   |
| Basic Interior Windows                      |               |     | ARC           |  ARC   |
| Interior Operating Windows                  |               |  |               |  ARC   |
| Interior Special Function Windows           |               |  |               |  ARC   |
| Interior Doors                              | 200           |     | ARC 200       |  ARC   |
| Basic Interior Doors                        |               |     | ARC           |  ARC   |
| Interior Swinging Doors                     |               |  |               |  ARC   |
| Interior Sliding Doors                      |               |  |               |  ARC  |
| Raised / Elevated Floor Construction        | 200           |  | ARC 200       |  ARC |
| Access Flooring                             |               |  | ARC           |  ARC |
| Suspended Ceiling Construction              | 200           |  | ARC 200       |  ARC |
| Acoustical Suspended Ceilings               |               |  | ARC           |  ARC |
| Suspended Plaster and Gypsum Board Ceilings |               |  | ARC           |  ARC |
| <b>Services</b>                             |               |  |               |   |
| <b>Plumbing</b>                             |               |  |               |   |
| Domestic Water Distribution                 | 200           |  | ARC 200       |  ARC |
| Plumbing Fixtures                           |               |  |               |  ARC |
| <b>Electrical</b>                           |               |  |               |   |

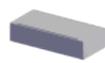
|                               | Etapas 2 (PP) |  | Etapas 3 (TP) |   |
|-------------------------------|---------------|--|---------------|---|
| Lighting                      | 200           |    | ARC 200       |    |
| Lighting Fixtures             |               |  |               | ARC   |
| General                       |               |  |               |   |
| Design Components             |               |  |               |   |
| Spaces                        | 200           |    | ARC 200       |    |
| Rooms                         |               |    | ARC           |    |
| Zones                         |               |    | ARC           |    |
| Structure                     |               |  |               |   |
| Substructure                  |               |  |               |   |
| Foundations                   |               |  |               |   |
| Standard Foundations          | 200           |    | STR 200       |    |
| Wall Foundations              |               |   | STR           |   |
| Column / Isolated Foundations |               |  | STR           |  |
| Driven Piles                  | 200           |   | STR 200       |  |
| Driven Piles                  |               |  |               | STR   |
| Slabs-on-Grade                |               |  |               |   |
| Standard Slabs-on-Grade       | 200           |  | STR 200       |  |
| Slabs-on-Grade                |               |  | STR           |  |
| Slab Penetrations / Voids     |               |  |               | STR   |
| Shell                         |               |  |               |   |
| Superstructure                |               |  |               |   |
| Floor Construction            | 200           |   | STR 200       |  |

|                                | Etapas 2 (PP)  |     | Etapas 3 (TP)   |     |
|--------------------------------|--|-----|---|-----|
| Floor Slabs                    |        | STR |        | STR |
| Ramps                          |        | STR |        | STR |
| Vertical Construction          | 200    | STR | 200    | STR |
| Core / Shaft Walls             |         | STR |        | STR |
| Columns                        |         | STR |        | STR |
| Column Caps                    |  |     |        | STR |
| Column Corbels                 |  |     |        | STR |
| Concrete Structures            | 200    | STR | 200    | STR |
| Round Concrete Columns         |        | STR |       | STR |
| Squared Concrete Columns       |       | STR |      | STR |
| Concrete Beams                 |       | STR |      | STR |
| Roof Construction              | 200  | STR | 200  | STR |
| Basic Roof                     |      | STR |      | STR |
| Roof Slabs                     |      | STR |      | STR |
| Roof Slab Penetrations / Voids |  |     |      | STR |
| Stairs                         | 200   | STR | 200  | STR |
| Metal Stairs                   |       | STR |      | STR |

|   | Etapas 2 (PP)  |     | Etapas 3 (TP)   |     |
|---|--|-----|---|-----|
| Concrete Stairs                             |         | STR |        | STR |
| <b>Exterior Vertical Enclosures</b>         |  |     |   |     |
| Exterior Walls                              | 200    | STR | 200    | STR |
| Basic Exterior Wall                         |         | STR |        | STR |
| Exterior Wall Penetrations / Voids          |  |     |        | STR |
| Concrete Wall Parapet                       |  |     |        | STR |
| Exterior Concrete Walls                     |         | STR |        | STR |
| Exterior Concrete Wall Penetrations / Voids |  |     |        | STR |
| Exterior Pre-cast Wall                      |        | STR |       | STR |
| <b>Interiors</b>                            |  |     |   |     |
| <b>Interior Construction</b>                |  |     |   |     |
| Interior Walls                              | 200  | STR | 200  | STR |
| Basic Interior Wall                         |       | STR |      | STR |
| Interior Wall Penetrations / Voids          |  |     |      | STR |
| Interior Concrete Walls                     |       | STR |      | STR |
| Interior Concrete Wall Penetrations / Voids |  |     |      | STR |
| Interior Pre-cast Wall                      |       | STR |      | STR |
| <b>Plumbing Model Scope</b>                 |  |     |   |     |
| <b>Services</b>                             |  |     |   |     |
| <b>Plumbing</b>                             |  |     |   |     |
| Domestic Water Distribution                 | 200  | MEP | 200  | MEP |

|  | Etapas 2 (PP)  |         | Etapas 3 (TP)   |     |
|--|--|---------|---|-----|
| Facility Potable-Water Storage Tanks                 |         | MEP     |    | MEP |
| Domestic Water Equipment                             |  |         |    | MEP |
| Domestic Water Piping Risers                         |         | MEP     |    | MEP |
| Domestic Water Piping Mains                          |        | MEP     |    | MEP |
| Domestic Water Piping Branches                       |  |         |    | MEP |
| Domestic Water Piping Fittings / Elbows / Tees       |  |         |    | MEP |
| Domestic Water Piping Insulation                     |  |         |    | MEP |
| Plumbing Fixtures                                    |  |         |    | MEP |
| Domestic Water Distribution Supplementary Components |  |         |  | MEP |
| Sanitary Drainage                                    | 200   | MEP 200 |  | MEP |
| Sanitary Sewerage Equipment                          |       | MEP     |  | MEP |
| Sanitary Sewerage Piping Risers                      |       | MEP     |  | MEP |
| Sanitary Sewerage Piping Mains                       |       | MEP     |  | MEP |
| Sanitary Sewerage Piping Branches                    |  |         |  | MEP |
| Sanitary Sewerage Piping Vents                       |  |         |  | MEP |
| Sanitary Drainage Supplementary Components           |  |         |  | MEP |
| <b>Fire Protection</b>                               |  |         |   |     |
| Fire Suppression                                     | 200  | MEP 200 |  | MEP |

|   | Etapas 2 (PP)  | Etapas 3 (TP)   |
|---|--|---|
| Fire Suppression Standpipes                       |  MEP            |  MEP   |
| Fire Suppression Piping Mains                     |  MEP            |  MEP   |
| Fire Suppression Piping Branches                  |  |  MEP   |
| Fire Suppression Sprinkler Heads                  |  |  MEP   |
| Fire Suppression Fittings                         |  |  MEP   |
| Fire Suppression Tanks                            |  MEP            |  MEP   |
| Fire Suppression Pumps                            |  |  MEP   |
| Fire Suppression Valves                           |  |  MEP   |
| Fire-Extinguishing Piping                         |  MEP           |  MEP  |
| Fire-Extinguishing Sprinkler Heads                |  |  MEP |
| Fire-Extinguishing Fittings                       |  |  MEP |
| Fire-Extinguishing Tanks                          |  MEP          |  MEP |
| Fire Controls                                     |  |  MEP |
| <b>Mechanical Model Scope</b>                     |  |   |
| Shell   |  |   |
| Exterior Vertical Enclosures                      |  |   |
| Exterior Louvers and Vents                        | 200  MEP 200 |  MEP |
| Exterior Louvers                                  |  MEP          |  MEP |
| Exterior Vents                                    |  MEP          |  MEP |
| <b>Services</b>                                   |  |   |
| Heating, Ventilation, and Air Conditioning (HVAC) |  |   |

|                                      | Etapas 2 (PP)  |     | Etapas 3 (TP)   |     |
|--------------------------------------|--|-----|---|-----|
| HVAC Distribution Systems            | 200     | MEP | 200    | MEP |
| Hydronic Piping                      |  |     |        | MEP |
| Hydronic Boilers                     |  |     |        | MEP |
| Hydronic Expansion Tanks             |  |     |        | MEP |
| Hydronic Pumps                       |  |     |        | MEP |
| Hydronic Supplementary Components    |  |     |        | MEP |
| HVAC / AHU Equipment                 |        | MEP |        | MEP |
| HVAC Supply Air Duct                 |         | MEP |        | MEP |
| HVAC Supply Air Terminals            |  |     |       | MEP |
| HVAC Return Air Duct                 |       | MEP |      | MEP |
| HVAC Return Air Terminals            |  |     |      | MEP |
| HVAC Fire Dampers                    |  |     |      | MEP |
| HVAC Condensation Piping             |  |     |      | MEP |
| Ventilation                          | 200  | MEP | 200  | MEP |
| Ventilation Supply Air Equipment     |      | MEP |      | MEP |
| Ventilation Supply Air Duct          |  |     |      | MEP |
| Ventilation Supply Air Duct Branches |  |     |      | MEP |

|   | Etapas 2 (PP)  | Etapas 3 (TP)   |
|---|--|---|
| Ventilation Supply Air Terminals        |  |  <span>MEP</span>                    |
| Ventilation Return Air Duct Mains       |  <span>MEP</span>                     |  <span>MEP</span>                    |
| Ventilation Return Air Duct             |  <span>MEP</span>                     |  <span>MEP</span>                    |
| Ventilation Return Air Terminals        |  |  <span>MEP</span>                    |
| Ventilation Exhaust Air                 |  |  <span>MEP</span>                    |
| Ventilation Exhaust Air Duct            |  <span>MEP</span>                     |  <span>MEP</span>                    |
| Ventilation Exhaust Air Terminals       |  |  <span>MEP</span>                    |
| Exhaust Air Fire Dampers                |  |  <span>MEP</span>                    |
| Ventilation Outside Air Terminals       |  |  <span>MEP</span>                   |
| Outside Air Fire Dampers                |  |  <span>MEP</span>                  |
| Variable Air Volume (VAV) Control Boxes |  |  <span>MEP</span>                  |
| Ventilation Condensation Piping         |  |  <span>MEP</span>                  |
| Ventilation Duct Insulation             |  |  <span>MEP</span>                  |
| <b>Electrical Model Scope</b>           |  |   |
| <b>Services</b>                         |  |   |
| <b>Electrical</b>                       |  |   |
| Electrical Service and Distribution     |  <span>200</span> <span>MEP</span> |  <span>200</span> <span>MEP</span> |
| Electrical Service                      |  <span>MEP</span>                   |  <span>MEP</span>                  |
| Electrical Service Transformers         |  |  <span>MEP</span>                  |

|   | Etapas 2 (PP)   | Etapas 3 (TP)  |
|---|---|--|
| Electrical Service Switchboards                           |   |  <span>MEP</span>   |
| Batteries   |   |  <span>MEP</span>   |
| Power Distribution  |  <span>MEP</span>            |  <span>MEP</span>   |
| Power Distribution Conduit                                |  <span>MEP</span>            |  <span>MEP</span>   |
| Power Distribution Conduit Fittings                       |   |  <span>MEP</span>   |
| Power Distribution Banks                                  |   |  <span>MEP</span>   |
| General Purpose Electrical Power                          | 200  <span>MEP</span> 200   |  <span>MEP</span>   |
| Wiring Devices  |   |  <span>MEP</span>   |
| Cable Trays   |  <span>MEP</span>          |  <span>MEP</span>  |
| Raceways  |   |  <span>MEP</span> |
| General Purpose Electrical Power Supplementary Components |   |  <span>MEP</span> |
| Lighting  | 200  <span>MEP</span> 200 |  <span>MEP</span> |
| Lighting Controls   |   |  <span>MEP</span> |
| Lighting Fixtures   |   |  <span>MEP</span> |
| Emergency / Exit Signs                                    |   |  <span>MEP</span> |
| Lighting Sensors Supplementary Components                 |   |  <span>MEP</span> |
| <b>Low Voltage Model Scope</b>                            |   |  |
| Services  |   |  |
| Access Control and Intrusion Detection                    |   |  |

|  | Etapas 2 (PP) |   | Etapas 3 (TP) |   |     |
|--|---------------|---|---------------|---|-----|
| Access Control And Intrusion Detection | 200           |   | MEP 200       |    | MEP |
| Security Entry Keypads                 |               |   |               |    | MEP |
| Security Entry Card Readers            |               |   |               |    | MEP |
| Security Entry Fingerprint Readers     |               |   |               |    | MEP |
| Security Alarm Panel                   |               |   |               |    | MEP |
| Intrusion Detection Sensors            |               |   |               |    | MEP |
| Disabled Access Controls               |               |   |               |    | MEP |
| Electronic Surveillance                | 200           |   | MEP 200       |    | MEP |
| Interior Surveillance Camera           |               |   |               |   | MEP |
| Exterior Surveillance Camera           |               |   |               |  | MEP |
| Surveillance Monitors                  |               |   |               |  | MEP |
| Detection And Alarm                    | 200           |  | MEP 200       |  | MEP |
| Fire Detection Devices                 |               |   |               |  | MEP |
| Fire Alarm Bells                       |               |   |               |  | MEP |

## Information Requirements Legend

| Key | Type   | Name                            | Value Category | Value Sample                     | Units                          |
|-----|--|---------------------------------|----------------|----------------------------------|--------------------------------|
| 1   |  IFC              | FireResistanceRating (IfcLabel) | Text           |                                  |                                |
|     |  |                                 |                |                                  |                                |
| 2   |  Identification   | Assembly / Cast unit Mark       | Text           | PKE20-001                        |                                |
|     |  |                                 |                |                                  |                                |
| 3   |  Identification   | Floor                           | Text           | Foundations, -1. Story, 0. Story |                                |
|     |  |                                 |                |                                  |                                |
| 4   |  Identification   | Material                        | Text           |                                  |                                |
|     |  |                                 |                |                                  |                                |
| 5   |  Identification   | Name                            | Text           |                                  |                                |
|     |  |                                 |                |                                  |                                |
| 6   |  Identification   | Room Number                     | Text           | P1, 014, 305                     |                                |
|     |  |                                 |                |                                  |                                |
| 7   |  Identification | Type                            | Text           | Element type                     |                                |
|     |  |                                 |                |                                  |                                |
| 8   |  Quantification | Area                            | Number         |                                  | square meter (m <sup>2</sup> ) |
|     |  |                                 |                |                                  |                                |
| 9   |  Quantification | Area of Ceilings                | Number         |                                  | square meter (m <sup>2</sup> ) |
|     |  |                                 |                |                                  |                                |
| 10  |  Quantification | Area of Columns                 | Number         |                                  | square meter (m <sup>2</sup> ) |
|     |  |                                 |                |                                  |                                |
| 11  |  Quantification | Area of Doors                   | Number         |                                  | square meter (m <sup>2</sup> ) |
|     |  |                                 |                |                                  |                                |
| 12  |  Quantification | Area of Floor                   | Number         |                                  | square meter (m <sup>2</sup> ) |
|     |  |                                 |                |                                  |                                |
| 13  |  Quantification | Area of walls                   | Number         |                                  | square meter (m <sup>2</sup> ) |
|     |  |                                 |                |                                  |                                |

| Key | Type  | Name                   | Value Category | Value Sample | Units                          |
|-----|---|------------------------|----------------|--------------|--------------------------------|
| 14  |  Quantification  | Area of Windows        | Number         |              | square meter (m <sup>2</sup> ) |
|     | Description: None   |                        |                |              |                                |
| 15  |  Quantification  | Cast unit rebar weight | Number         |              | kilogram (kg)                  |
|     | Description: Rebar weight per m3  |                        |                |              |                                |
| 16  |  Quantification  | Dimensions             | Number         |              | meter (m)                      |
|     | Description: Height / Weight / Length   |                        |                |              |                                |
| 17  |  Quantification  | Height                 | Number         |              | meter (m)                      |
|     | Description: None   |                        |                |              |                                |
| 18  |  Quantification  | Perimeter              | Text           |              | meter (m)                      |
|     | Description:  |                        |                |              |                                |
| 19  |  Quantification  | Volume                 | Text           | 2.25         | cubic meter (m <sup>3</sup> )  |
|     | Description: Volume in cubic meters.  |                        |                |              |                                |
| 20  |  Specification   | Material               | Text           |              |                                |
|     | Description: MEP material (steel, plastic, etc.)  |                        |                |              |                                |
| 21  |  Specification  | Operation type         | Text           |              |                                |
|     | Description: Left / Right / Swinging / Revolving / etc.   |                        |                |              |                                |
| 22  |  Specification | Profile type           | Number         |              | millimeter (mm)                |
|     | Description: Square / Rectangle / Rounded   |                        |                |              |                                |
| 23  |  Specification | Self closing           | Text           | True / False |                                |
|     | Description: None   |                        |                |              |                                |
| 24  |  Specification | Smoke stop             | Text           | True / False |                                |
|     | Description: None   |                        |                |              |                                |
| 25  |  Specification | Structural function    | Text           |              |                                |
|     | Description: Load bearing / Non-load bearing  |                        |                |              |                                |
| 26  |  Specification | System                 | Text           |              |                                |
|     | Description: Element must be assigned to specific system  |                        |                |              |                                |
| 27  |  Operation     | Space Name             | Text           |              |                                |
|     | Description: Name   |                        |                |              |                                |

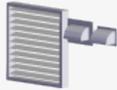


Etapas 2 (PP)

|                                   |  | 1. FireResistanceRating (fclLabel) | 2. Assembly / Cast unit Mark | 3. Floor                            | 4. Material                         | 5. Name                             | 6. Room Number | 7. Type | 8. Area | 9. Area of Ceilings | 10. Area of Columns | 11. Area of Doors | 12. Area of Floor | 13. Area of walls | 14. Area of Windows | 15. Cast unit rebar weight | 16. Dimensions                      | 17. Height | 18. Perimeter | 19. Volume | 20. Material | 21. Operation type | 22. Profile type | 23. Self closing | 24. Smoke stop | 25. Structural function | 26. System | 27. Space Name |
|-----------------------------------|--|------------------------------------|------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|----------------|---------|---------|---------------------|---------------------|-------------------|-------------------|-------------------|---------------------|----------------------------|-------------------------------------|------------|---------------|------------|--------------|--------------------|------------------|------------------|----------------|-------------------------|------------|----------------|
| <b>Exterior Walls</b>             |  | 200                                | ARC                          |                                     |                                     |                                     |                |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Basic Exterior Wall               |  | ARC                                |                              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Exterior Masonry Wall             |  | ARC                                |                              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Exterior Concrete Walls           |  | ARC                                |                              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Exterior Pre-cast Wall            |  | ARC                                |                              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |            |               |            |              |                    |                  |                  |                |                         |            |                |
| <b>Exterior Windows</b>           |  | 200                                | ARC                          |                                     |                                     |                                     |                |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Basic Exterior Windows            |  | ARC                                |                              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Exterior Window Wall              |  | ARC                                |                              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |            |               |            |              |                    |                  |                  |                |                         |            |                |
| <b>Exterior Doors and Grilles</b> |  | 200                                | ARC                          |                                     |                                     |                                     |                |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Basic Exterior Doors              |  | ARC                                |                              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                |         |         |                     |                     |                   |                   |                   |                     |                            | <input checked="" type="checkbox"/> |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Exterior Special Function Doors   |  | ARC                                |                              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Exterior Gates                    |  | ARC                                |                              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |            |               |            |              |                    |                  |                  |                |                         |            |                |
| <b>Exterior Louvers and Vents</b> |  | 200                                | ARC                          |                                     |                                     |                                     |                |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Exterior Louvers                  |  | ARC                                |                              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Exterior Vents                    |  | ARC                                |                              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |            |               |            |              |                    |                  |                  |                |                         |            |                |
| <b>Interiors</b>                  |  |                                    |                              |                                     |                                     |                                     |                |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |            |               |            |              |                    |                  |                  |                |                         |            |                |
| <b>Interior Construction</b>      |  |                                    |                              |                                     |                                     |                                     |                |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |            |               |            |              |                    |                  |                  |                |                         |            |                |
| <b>Interior Partitions</b>        |  | 200                                | ARC                          |                                     |                                     |                                     |                |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Interior Fixed Partitions         |  | ARC                                |                              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |            |               |            |              |                    |                  |                  |                |                         |            |                |
| <b>Interior Walls</b>             |  | 200                                | ARC                          |                                     |                                     |                                     |                |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Basic Interior Wall               |  | ARC                                |                              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Interior Masonry Wall             |  | ARC                                |                              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Interior Concrete Walls           |  | ARC                                |                              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Interior Pre-cast Wall            |  | ARC                                |                              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |            |               |            |              |                    |                  |                  |                |                         |            |                |
| <b>Interior Windows</b>           |  | 200                                | ARC                          |                                     |                                     |                                     |                |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Basic Interior Windows            |  | ARC                                |                              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |            |               |            |              |                    |                  |                  |                |                         |            |                |
| <b>Interior Doors</b>             |  | 200                                | ARC                          |                                     |                                     |                                     |                |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Basic Interior Doors              |  | ARC                                |                              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |            |               |            |              |                    |                  |                  |                |                         |            |                |

| Etapas 2 (PP)                               |  | 1. FireResistanceRating (fclLabel) | 2. Assembly / Cast unit Mark | 3. Floor                            | 4. Material                         | 5. Name                             | 6. Room Number                      | 7. Type | 8. Area | 9. Area of Ceilings | 10. Area of Columns | 11. Area of Doors | 12. Area of Floor | 13. Area of walls | 14. Area of Windows | 15. Cast unit rebar weight | 16. Dimensions                      | 17. Height                          | 18. Perimeter                       | 19. Volume                          | 20. Material | 21. Operation type | 22. Profile type | 23. Self closing | 24. Smoke stop | 25. Structural function | 26. System | 27. Space Name                      |
|---|--|------------------------------------|------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|---------|---------|---------------------|---------------------|-------------------|-------------------|-------------------|---------------------|----------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------|--------------------|------------------|------------------|----------------|-------------------------|------------|-------------------------------------|
| Raised / Elevated Floor Construction        |  | 200                                | ARC                          |                                     |                                     |                                     |                                     |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |
| Access Flooring                             |  |                                    | ARC                          | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |
| Suspended Ceiling Construction              |  | 200                                | ARC                          |                                     |                                     |                                     |                                     |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |
| Acoustical Suspended Ceilings               |  |                                    | ARC                          | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |
| Suspended Plaster and Gypsum Board Ceilings |  |                                    | ARC                          | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |
| General                                     |  |                                    |                              |                                     |                                     |                                     |                                     |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |
| Design Components                           |  |                                    |                              |                                     |                                     |                                     |                                     |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |
| Spaces                                      |  | 200                                | ARC                          |                                     |                                     |                                     |                                     |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |
| Rooms                                       |  |                                    | ARC                          | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |         |         |                     |                     |                   |                   |                   |                     |                            |                                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |              |                    |                  |                  |                |                         |            | <input checked="" type="checkbox"/> |
| Zones                                       |  |                                    | ARC                          | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |         |         |                     |                     |                   |                   |                   |                     |                            |                                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |              |                    |                  |                  |                |                         |            | <input checked="" type="checkbox"/> |
| Structure                                   |  |                                    |                              |                                     |                                     |                                     |                                     |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |
| Substructure                                |  |                                    |                              |                                     |                                     |                                     |                                     |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |
| Foundations                                 |  |                                    |                              |                                     |                                     |                                     |                                     |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |
| Standard Foundations                        |  | 200                                | STR                          |                                     |                                     |                                     |                                     |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |
| Wall Foundations                            |  |                                    | STR                          | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |
| Column / Isolated Foundations               |  |                                    | STR                          | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |
| Slabs-on-Grade                              |  |                                    |                              |                                     |                                     |                                     |                                     |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |
| Standard Slabs-on-Grade                     |  | 200                                | STR                          |                                     |                                     |                                     |                                     |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |
| Slabs-on-Grade                              |  |                                    | STR                          | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |
| Shell                                       |  |                                    |                              |                                     |                                     |                                     |                                     |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |
| Superstructure                              |  |                                    |                              |                                     |                                     |                                     |                                     |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |
| Floor Construction                          |  | 200                                | STR                          |                                     |                                     |                                     |                                     |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |
| Floor Slabs                                 |  |                                    | STR                          | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |         |         |                     |                     |                   |                   |                   |                     |                            | <input checked="" type="checkbox"/> |                                     |                                     | <input checked="" type="checkbox"/> |              |                    |                  |                  |                |                         |            |                                     |
| Ramps                                       |  |                                    | STR                          | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |         |         |                     |                     |                   |                   |                   |                     |                            | <input checked="" type="checkbox"/> |                                     |                                     | <input checked="" type="checkbox"/> |              |                    |                  |                  |                |                         |            |                                     |
| Vertical Construction                       |  | 200                                | STR                          |                                     |                                     |                                     |                                     |         |         |                     |                     |                   |                   |                   |                     |                            |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |
| Core / Shaft Walls                          |  |                                    | STR                          | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |         |         |                     |                     |                   |                   |                   |                     |                            | <input checked="" type="checkbox"/> |                                     |                                     | <input checked="" type="checkbox"/> |              |                    |                  |                  |                |                         |            |                                     |
| Columns                                     |  |                                    | STR                          | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |         |         |                     |                     |                   |                   |                   |                     |                            | <input checked="" type="checkbox"/> |                                     |                                     | <input checked="" type="checkbox"/> |              |                    |                  |                  |                |                         |            |                                     |

| Etapas 2 (PP)                       |                                      | 1. FireResistanceRating (fclLabel) | 2. Assembly / Cast unit Mark | 3. Floor | 4. Material | 5. Name | 6. Room Number | 7. Type | 8. Area | 9. Area of Ceilings | 10. Area of Columns | 11. Area of Doors | 12. Area of Floor | 13. Area of walls | 14. Area of Windows | 15. Cast unit rebar weight | 16. Dimensions | 17. Height | 18. Perimeter | 19. Volume | 20. Material | 21. Operation type | 22. Profile type | 23. Self closing | 24. Smoke stop | 25. Structural function | 26. System | 27. Space Name |
|-------------------------------------|--------------------------------------|------------------------------------|------------------------------|----------|-------------|---------|----------------|---------|---------|---------------------|---------------------|-------------------|-------------------|-------------------|---------------------|----------------------------|----------------|------------|---------------|------------|--------------|--------------------|------------------|------------------|----------------|-------------------------|------------|----------------|
| <b>Concrete Structures</b>          |                                      | 200                                | STR                          |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
|                                     | Round Concrete Columns               | STR                                |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            | ✓             |            |              | ✓                  |                  |                  |                |                         |            |                |
|                                     | Squared Concrete Columns             | STR                                |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            | ✓             |            |              | ✓                  |                  |                  |                |                         |            |                |
|                                     | Concrete Beams                       | STR                                |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            | ✓             |            |              | ✓                  |                  |                  |                |                         |            |                |
| <b>Roof Construction</b>            |                                      | 200                                | STR                          |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
|                                     | Basic Roof                           | STR                                |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
|                                     | Roof Slabs                           | STR                                |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| <b>Stairs</b>                       |                                      | 200                                | STR                          |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
|                                     | Metal Stairs                         | STR                                |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| <b>Exterior Vertical Enclosures</b> |                                      |                                    |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| <b>Exterior Walls</b>               |                                      | 200                                | STR                          |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
|                                     | Basic Exterior Wall                  | STR                                |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
|                                     | Exterior Concrete Walls              | STR                                |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
|                                     | Exterior Pre-cast Wall               | STR                                |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| <b>Interiors</b>                    |                                      |                                    |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| <b>Interior Construction</b>        |                                      |                                    |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| <b>Interior Walls</b>               |                                      | 200                                | STR                          |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
|                                     | Basic Interior Wall                  | STR                                |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
|                                     | Interior Concrete Walls              | STR                                |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
|                                     | Interior Pre-cast Wall               | STR                                |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| <b>Plumbing Model Scope</b>         |                                      |                                    |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| <b>Services</b>                     |                                      |                                    |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| <b>Plumbing</b>                     |                                      |                                    |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| <b>Domestic Water Distribution</b>  |                                      | 200                                | MEP                          |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
|                                     | Facility Potable-Water Storage Tanks | MEP                                |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
|                                     | Domestic Water Piping Risers         | MEP                                |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
|                                     | Domestic Water Piping Mains          | MEP                                |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| <b>Sanitary Drainage</b>            |                                      | 200                                | MEP                          |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
|                                     | Sanitary Sewerage Equipment          | MEP                                |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               |            |              |                    |                  |                  |                |                         |            |                |

| Etapas 2 (PP)                                     |                                     | 1. FireResistanceRating (IcLabel) | 2. Assembly / Cast unit Mark  | 3. Floor | 4. Material | 5. Name | 6. Room Number | 7. Type | 8. Area | 9. Area of Ceilings | 10. Area of Columns | 11. Area of Doors | 12. Area of Floor | 13. Area of walls | 14. Area of Windows | 15. Cast unit rebar weight | 16. Dimensions | 17. Height | 18. Perimeter | 19. Volume | 20. Material | 21. Operation type | 22. Profile type | 23. Self closing | 24. Smoke stop | 25. Structural function | 26. System | 27. Space Name |
|---|-------------------------------------|-----------------------------------|---|----------|-------------|---------|----------------|---------|---------|---------------------|---------------------|-------------------|-------------------|-------------------|---------------------|----------------------------|----------------|------------|---------------|------------|--------------|--------------------|------------------|------------------|----------------|-------------------------|------------|----------------|
|   | Sanitary Sewerage Piping Risers     | MEP                               |   | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            |              |                    |                  |                  |                |                         |            |                |
|   | Sanitary Sewerage Piping Mains      | MEP                               |   | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Fire Protection                                   |                                     |                                   |   |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
|   | Fire Suppression                    | 200 MEP                           |    |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
|   | Fire Suppression Standpipes         | MEP                               |   | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            |              |                    |                  |                  |                |                         |            |                |
|   | Fire Suppression Piping Mains       | MEP                               |   | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            |              |                    |                  |                  |                |                         |            |                |
|   | Fire Suppression Tanks              | MEP                               |   | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            |              |                    |                  |                  |                |                         |            |                |
|   | Fire-Extinguishing Piping           | MEP                               |   | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            |              |                    |                  |                  |                |                         |            |                |
|   | Fire-Extinguishing Tanks            | MEP                               |   | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Mechanical Model Scope                            |                                     |                                   |   |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Shell   |                                     |                                   |   |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Exterior Vertical Enclosures                      |                                     |                                   |   |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
|   | Exterior Louvers and Vents          | 200 MEP                           |   |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
|   | Exterior Louvers                    | MEP                               |   | ✓        | ✓           |         |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            |              |                    |                  |                  |                |                         |            |                |
|   | Exterior Vents                      | MEP                               |   | ✓        | ✓           |         |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Services  |                                     |                                   |   |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Heating, Ventilation, and Air Conditioning (HVAC) |                                     |                                   |   |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
|   | HVAC Distribution Systems           | 200 MEP                           |  |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
|   | HVAC / AHU Equipment                | MEP                               |   | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            |              |                    |                  |                  |                |                         |            |                |
|   | HVAC Supply Air Duct                | MEP                               |   | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            |              |                    |                  |                  |                |                         |            |                |
|   | HVAC Return Air Duct                | MEP                               |   | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            |              |                    |                  |                  |                |                         |            |                |
|   | Ventilation                         | 200 MEP                           |  |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
|   | Ventilation Supply Air Equipment    | MEP                               |   | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            |              |                    |                  |                  |                |                         |            |                |
|   | Ventilation Return Air Duct Mains   | MEP                               |   | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            |              |                    |                  |                  |                |                         |            |                |
|   | Ventilation Return Air Duct         | MEP                               |   | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            |              |                    |                  |                  |                |                         |            |                |
|   | Ventilation Exhaust Air Duct        | MEP                               |   | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Electrical Model Scope                            |                                     |                                   |   |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Services  |                                     |                                   |   |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Electrical  |                                     |                                   |   |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
|   | Electrical Service and Distribution | 200 MEP                           |  |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
|   | Electrical Service                  | MEP                               |   | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            |              |                    |                  |                  |                |                         |            |                |
|   | Power Distribution                  | MEP                               |   | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            |              |                    |                  |                  |                |                         |            |                |

| Etapas 2 (PP)                    |         | 1. FireResistanceRating (fclLabel) | 2. Assembly / Cast unit Mark | 3. Floor | 4. Material | 5. Name | 6. Room Number | 7. Type | 8. Area | 9. Area of Ceilings | 10. Area of Columns | 11. Area of Doors | 12. Area of Floor | 13. Area of walls | 14. Area of Windows | 15. Cast unit rebar weight | 16. Dimensions | 17. Height | 18. Perimeter | 19. Volume | 20. Material | 21. Operation type | 22. Profile type | 23. Self closing | 24. Smoke stop | 25. Structural function | 26. System | 27. Space Name |
|----------------------------------|---------|------------------------------------|------------------------------|----------|-------------|---------|----------------|---------|---------|---------------------|---------------------|-------------------|-------------------|-------------------|---------------------|----------------------------|----------------|------------|---------------|------------|--------------|--------------------|------------------|------------------|----------------|-------------------------|------------|----------------|
| Power Distribution Conduit       | MEP     |                                    |                              | ✓        |             | ✓       |                | ✓       |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            |              |                    |                  |                  |                |                         |            |                |
| General Purpose Electrical Power | 200 MEP |                                    |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Cable Trays                      | MEP     |                                    |                              | ✓        |             | ✓       |                | ✓       |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            |              |                    |                  |                  |                |                         |            |                |

### Etapas 3 (TP)

|                               |     | 1. FireResistanceRating (fclLabel) | 2. Assembly / Cast unit Mark | 3. Floor | 4. Material | 5. Name | 6. Room Number | 7. Type | 8. Area | 9. Area of Ceilings | 10. Area of Columns | 11. Area of Doors | 12. Area of Floor | 13. Area of walls | 14. Area of Windows | 15. Cast unit rebar weight | 16. Dimensions | 17. Height | 18. Perimeter | 19. Volume | 20. Material | 21. Operation type | 22. Profile type | 23. Self closing | 24. Smoke stop | 25. Structural function | 26. System | 27. Space Name |  |
|-------------------------------|-----|------------------------------------|------------------------------|----------|-------------|---------|----------------|---------|---------|---------------------|---------------------|-------------------|-------------------|-------------------|---------------------|----------------------------|----------------|------------|---------------|------------|--------------|--------------------|------------------|------------------|----------------|-------------------------|------------|----------------|--|
| Architecture                  |     |                                    |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |  |
| Substructure                  |     |                                    |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |  |
| Foundations                   |     |                                    |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |  |
| Standard Foundations          | 200 | ARC                                |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |  |
| Wall Foundations              |     | ARC                                |                              | ✓        | ✓           | ✓       |                | ✓       | ✓       |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         |            |                |  |
| Column / Isolated Foundations |     | ARC                                |                              | ✓        | ✓           | ✓       |                | ✓       | ✓       |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         |            |                |  |
| Slabs-on-Grade                |     |                                    |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |  |
| Standard Slabs-on-Grade       | 200 | ARC                                |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |  |
| Slabs-on-Grade                |     | ARC                                |                              | ✓        | ✓           | ✓       |                | ✓       | ✓       |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         |            |                |  |
| Slab Penetrations / Voids     |     | ARC                                |                              | ✓        |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            |              |                    |                  |                  |                |                         |            |                |  |
| Shell                         |     |                                    |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |  |
| Superstructure                |     |                                    |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |  |
| Floor Construction            | 200 | ARC                                |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |  |
| Basic Floor                   |     | ARC                                |                              | ✓        | ✓           | ✓       |                | ✓       | ✓       |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         |            |                |  |
| Floor Slabs                   |     | ARC                                |                              | ✓        | ✓           | ✓       |                | ✓       | ✓       |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         |            |                |  |
| Floor Toppings                |     | ARC                                |                              | ✓        | ✓           | ✓       |                | ✓       | ✓       |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         |            |                |  |
| Ramps                         |     | ARC                                |                              | ✓        | ✓           | ✓       |                | ✓       | ✓       |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         |            |                |  |
| Vertical Construction         | 200 | ARC                                |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |  |
| Core / Shaft Walls            |     | ARC                                |                              | ✓        | ✓           | ✓       |                | ✓       | ✓       |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         |            |                |  |
| Columns                       |     | ARC                                | ✓                            | ✓        | ✓           | ✓       |                | ✓       | ✓       |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               | ✓          |              |                    |                  | ✓                |                |                         |            |                |  |
| Column Caps                   |     | ARC                                |                              | ✓        | ✓           | ✓       |                | ✓       | ✓       |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         |            |                |  |
| Concrete Structures           | 200 | ARC                                |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |  |
| Mat Slabs                     |     | ARC                                |                              | ✓        | ✓           | ✓       |                | ✓       | ✓       |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         |            |                |  |
| Round Concrete Columns        |     | ARC                                | ✓                            | ✓        | ✓           | ✓       |                | ✓       | ✓       |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               | ✓          |              |                    |                  | ✓                |                |                         |            |                |  |
| Squared Concrete Columns      |     | ARC                                | ✓                            | ✓        | ✓           | ✓       |                | ✓       | ✓       |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               | ✓          |              |                    |                  | ✓                |                |                         |            |                |  |
| Concrete Beams                |     | ARC                                | ✓                            | ✓        | ✓           | ✓       |                | ✓       | ✓       |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               | ✓          |              |                    |                  | ✓                |                |                         |            |                |  |
| Roof Construction             | 200 | ARC                                |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |  |
| Basic Roof                    |     | ARC                                |                              | ✓        | ✓           | ✓       |                | ✓       | ✓       |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         |            |                |  |
| Roof Slabs                    |     | ARC                                |                              | ✓        | ✓           | ✓       |                | ✓       | ✓       |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         |            |                |  |
| Roof Waterproofing            |     | ARC                                |                              | ✓        | ✓           | ✓       |                | ✓       | ✓       |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         |            |                |  |

**Etapas 3 (TP)**

|                                     |   | 1. FireResistanceRating (fclLabel) | 2. Assembly / Cast unit Mark        | 3. Floor  | 4. Material                         | 5. Name                             | 6. Room Number                      | 7. Type                             | 8. Area | 9. Area of Ceilings | 10. Area of Columns | 11. Area of Doors | 12. Area of Floor | 13. Area of walls | 14. Area of Windows | 15. Cast unit rebar weight          | 16. Dimensions | 17. Height | 18. Perimeter | 19. Volume                          | 20. Material                        | 21. Operation type                  | 22. Profile type                    | 23. Self closing | 24. Smoke stop | 25. Structural function | 26. System | 27. Space Name |
|-------------------------------------|---|------------------------------------|-------------------------------------|---|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|---------|---------------------|---------------------|-------------------|-------------------|-------------------|---------------------|-------------------------------------|----------------|------------|---------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|------------------|----------------|-------------------------|------------|----------------|
| <b>Stairs</b>                       |   | 200                                | ARC                                 |    |                                     |                                     |                                     |                                     |         |                     |                     |                   |                   |                   |                     |                                     |                |            |               |                                     |                                     |                                     |                                     |                  |                |                         |            |                |
|                                     | Metal Stairs                                | ARC                                |                                     | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |         |                     |                     |                   |                   |                   |                     | <input checked="" type="checkbox"/> |                |            |               |                                     |                                     |                                     |                                     |                  |                |                         |            |                |
|                                     | Concrete Stairs                             | ARC                                |                                     | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |         |                     |                     |                   |                   |                   |                     | <input checked="" type="checkbox"/> |                |            |               | <input checked="" type="checkbox"/> |                                     |                                     |                                     |                  |                |                         |            |                |
|                                     | Stair Railings                              | ARC                                |                                     | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |         |                     |                     |                   |                   |                   |                     | <input checked="" type="checkbox"/> |                |            |               |                                     |                                     |                                     |                                     |                  |                |                         |            |                |
|                                     | Fire Escapes                                | ARC                                |                                     | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |         |                     |                     |                   |                   |                   |                     | <input checked="" type="checkbox"/> |                |            |               |                                     |                                     |                                     |                                     |                  |                |                         |            |                |
|                                     | Ladders                                     | ARC                                |                                     | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |         |                     |                     |                   |                   |                   |                     | <input checked="" type="checkbox"/> |                |            |               |                                     |                                     |                                     |                                     |                  |                |                         |            |                |
| <b>Exterior Vertical Enclosures</b> |   |                                    |                                     |   |                                     |                                     |                                     |                                     |         |                     |                     |                   |                   |                   |                     |                                     |                |            |               |                                     |                                     |                                     |                                     |                  |                |                         |            |                |
| <b>Exterior Walls</b>               |   | 200                                | ARC                                 |    |                                     |                                     |                                     |                                     |         |                     |                     |                   |                   |                   |                     |                                     |                |            |               |                                     |                                     |                                     |                                     |                  |                |                         |            |                |
|                                     | Basic Exterior Wall                         | ARC                                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |         |                     |                     |                   |                   |                   |                     | <input checked="" type="checkbox"/> |                |            |               | <input checked="" type="checkbox"/> |                                     |                                     |                                     |                  |                |                         |            |                |
|                                     | Exterior Wall Insulation                    | ARC                                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |         |                     |                     |                   |                   |                   |                     | <input checked="" type="checkbox"/> |                |            |               | <input checked="" type="checkbox"/> |                                     |                                     |                                     |                  |                |                         |            |                |
|                                     | Exterior Wall Penetrations / Voids          | ARC                                |                                     | <input checked="" type="checkbox"/>   |                                     |                                     |                                     |                                     |         |                     |                     |                   |                   |                   |                     | <input checked="" type="checkbox"/> |                |            |               |                                     |                                     |                                     |                                     |                  |                |                         |            |                |
|                                     | Exterior Masonry Wall                       | ARC                                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |         |                     |                     |                   |                   |                   |                     | <input checked="" type="checkbox"/> |                |            |               | <input checked="" type="checkbox"/> |                                     |                                     |                                     |                  |                |                         |            |                |
|                                     | Concrete Wall Parapet                       | ARC                                |                                     | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |         |                     |                     |                   |                   |                   |                     | <input checked="" type="checkbox"/> |                |            |               | <input checked="" type="checkbox"/> |                                     |                                     |                                     |                  |                |                         |            |                |
|                                     | Exterior Concrete Walls                     | ARC                                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |         |                     |                     |                   |                   |                   |                     | <input checked="" type="checkbox"/> |                |            |               | <input checked="" type="checkbox"/> |                                     |                                     |                                     |                  |                |                         |            |                |
|                                     | Exterior Concrete Wall Penetrations / Voids | ARC                                |                                     | <input checked="" type="checkbox"/>   |                                     |                                     |                                     |                                     |         |                     |                     |                   |                   |                   |                     | <input checked="" type="checkbox"/> |                |            |               |                                     |                                     |                                     |                                     |                  |                |                         |            |                |
|                                     | Exterior Pre-cast Wall                      | ARC                                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |         |                     |                     |                   |                   |                   |                     | <input checked="" type="checkbox"/> |                |            |               | <input checked="" type="checkbox"/> |                                     |                                     |                                     |                  |                |                         |            |                |
| <b>Exterior Windows</b>             |   | 200                                | ARC                                 |  |                                     |                                     |                                     |                                     |         |                     |                     |                   |                   |                   |                     |                                     |                |            |               |                                     |                                     |                                     |                                     |                  |                |                         |            |                |
|                                     | Basic Exterior Windows                      | ARC                                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |         |                     |                     |                   |                   |                   |                     | <input checked="" type="checkbox"/> |                |            |               |                                     |                                     |                                     |                                     |                  |                |                         |            |                |
|                                     | Exterior Operating Windows                  | ARC                                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |         |                     |                     |                   |                   |                   |                     | <input checked="" type="checkbox"/> |                |            |               |                                     |                                     |                                     |                                     |                  |                |                         |            |                |
|                                     | Exterior Window Wall                        | ARC                                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |         |                     |                     |                   |                   |                   |                     | <input checked="" type="checkbox"/> |                |            |               |                                     |                                     |                                     |                                     |                  |                |                         |            |                |
| <b>Exterior Doors and Grilles</b>   |   | 200                                | ARC                                 |  |                                     |                                     |                                     |                                     |         |                     |                     |                   |                   |                   |                     |                                     |                |            |               |                                     |                                     |                                     |                                     |                  |                |                         |            |                |
|                                     | Basic Exterior Doors                        | ARC                                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |         |                     |                     |                   |                   |                   |                     | <input checked="" type="checkbox"/> |                |            |               |                                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                  |                |                         |            |                |
|                                     | Exterior Entrance Doors                     | ARC                                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |         |                     |                     |                   |                   |                   |                     | <input checked="" type="checkbox"/> |                |            |               |                                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                  |                |                         |            |                |
|                                     | Exterior Utility Doors                      | ARC                                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |         |                     |                     |                   |                   |                   |                     | <input checked="" type="checkbox"/> |                |            |               |                                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                  |                |                         |            |                |
|                                     | Exterior Special Function Doors             | ARC                                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |         |                     |                     |                   |                   |                   |                     | <input checked="" type="checkbox"/> |                |            |               |                                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                  |                |                         |            |                |
|                                     | Exterior Gates                              | ARC                                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |         |                     |                     |                   |                   |                   |                     | <input checked="" type="checkbox"/> |                |            |               |                                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                  |                |                         |            |                |
| <b>Exterior Louvers and Vents</b>   |   | 200                                | ARC                                 |  |                                     |                                     |                                     |                                     |         |                     |                     |                   |                   |                   |                     |                                     |                |            |               |                                     |                                     |                                     |                                     |                  |                |                         |            |                |
|                                     | Exterior Louvers                            | ARC                                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |         |                     |                     |                   |                   |                   |                     | <input checked="" type="checkbox"/> |                |            |               |                                     |                                     |                                     |                                     |                  |                |                         |            |                |
|                                     | Exterior Vents                              | ARC                                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |         |                     |                     |                   |                   |                   |                     | <input checked="" type="checkbox"/> |                |            |               |                                     |                                     |                                     |                                     |                  |                |                         |            |                |
| <b>Interiors</b>                    |   |                                    |                                     |   |                                     |                                     |                                     |                                     |         |                     |                     |                   |                   |                   |                     |                                     |                |            |               |                                     |                                     |                                     |                                     |                  |                |                         |            |                |
| <b>Interior Construction</b>        |   |                                    |                                     |   |                                     |                                     |                                     |                                     |         |                     |                     |                   |                   |                   |                     |                                     |                |            |               |                                     |                                     |                                     |                                     |                  |                |                         |            |                |

Etapas 3 (TP)

|   |     | 1. FireResistanceRating (IcLabel) | 2. Assembly / Cast unit Mark | 3. Floor | 4. Material | 5. Name | 6. Room Number | 7. Type | 8. Area | 9. Area of Ceilings | 10. Area of Columns | 11. Area of Doors | 12. Area of Floor | 13. Area of walls | 14. Area of Windows | 15. Cast unit rebar weight | 16. Dimensions | 17. Height | 18. Perimeter | 19. Volume | 20. Material | 21. Operation type | 22. Profile type | 23. Self closing | 24. Smoke stop | 25. Structural function | 26. System | 27. Space Name |
|---|-----|-----------------------------------|------------------------------|----------|-------------|---------|----------------|---------|---------|---------------------|---------------------|-------------------|-------------------|-------------------|---------------------|----------------------------|----------------|------------|---------------|------------|--------------|--------------------|------------------|------------------|----------------|-------------------------|------------|----------------|
| <b>Interior Partitions</b>                  | 200 | ARC                               |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Interior Fixed Partitions                   |     | ARC                               | ✓                            | ✓        | ✓           | ✓       | ✓              | ✓       |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         |            |                |
| Interior Glazed Partitions                  |     | ARC                               | ✓                            | ✓        | ✓           | ✓       | ✓              | ✓       |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         |            |                |
| Interior Operable Partitions                |     | ARC                               | ✓                            | ✓        | ✓           | ✓       | ✓              | ✓       |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         |            |                |
| <b>Interior Walls</b>                       | 200 | ARC                               |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Basic Interior Wall                         |     | ARC                               | ✓                            | ✓        | ✓           | ✓       | ✓              | ✓       |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         |            |                |
| Interior Wall Gypsum Board                  |     | ARC                               | ✓                            | ✓        | ✓           | ✓       | ✓              | ✓       |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         |            |                |
| Interior Wall Firestopping                  |     | ARC                               | ✓                            | ✓        | ✓           | ✓       | ✓              | ✓       |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         |            |                |
| Interior Masonry Wall                       |     | ARC                               | ✓                            | ✓        | ✓           | ✓       | ✓              | ✓       |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         |            |                |
| Interior Masonry Wall Penetration / Voids   |     | ARC                               |                              | ✓        |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Interior Concrete Walls                     |     | ARC                               | ✓                            | ✓        | ✓           | ✓       | ✓              | ✓       |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         |            |                |
| Interior Concrete Wall Penetrations / Voids |     | ARC                               |                              | ✓        |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Interior Pre-cast Wall                      |     | ARC                               | ✓                            | ✓        | ✓           | ✓       | ✓              | ✓       |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         |            |                |
| Interior Pre-cast Wall Penetrations / Voids |     | ARC                               |                              | ✓        |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            |              |                    |                  |                  |                |                         |            |                |
| <b>Interior Windows</b>                     | 200 | ARC                               |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Basic Interior Windows                      |     | ARC                               | ✓                            | ✓        | ✓           | ✓       | ✓              | ✓       |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Interior Operating Windows                  |     | ARC                               | ✓                            | ✓        | ✓           | ✓       | ✓              | ✓       |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Interior Special Function Windows           |     | ARC                               | ✓                            | ✓        | ✓           | ✓       | ✓              | ✓       |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            |              |                    |                  |                  |                |                         |            |                |
| <b>Interior Doors</b>                       | 200 | ARC                               |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Basic Interior Doors                        |     | ARC                               | ✓                            | ✓        | ✓           | ✓       | ✓              | ✓       |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    | ✓                | ✓                |                |                         |            |                |
| Interior Swinging Doors                     |     | ARC                               | ✓                            | ✓        | ✓           | ✓       | ✓              | ✓       |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    | ✓                | ✓                |                |                         |            |                |
| Interior Sliding Doors                      |     | ARC                               | ✓                            | ✓        | ✓           | ✓       | ✓              | ✓       |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    | ✓                | ✓                |                |                         |            |                |
| <b>Raised / Elevated Floor Construction</b> | 200 | ARC                               |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Access Flooring                             |     | ARC                               |                              | ✓        | ✓           | ✓       | ✓              | ✓       |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         |            |                |
| <b>Suspended Ceiling Construction</b>       | 200 | ARC                               |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Acoustical Suspended Ceilings               |     | ARC                               |                              | ✓        | ✓           | ✓       | ✓              | ✓       |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         |            |                |
| Suspended Plaster and Gypsum Board Ceilings |     | ARC                               |                              | ✓        | ✓           | ✓       | ✓              | ✓       |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         |            |                |
| <b>Services</b>                             |     |                                   |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |

| Etapas 3 (TP)                 |  | 1. FireResistanceRating (IfLabel) | 2. Assembly / Cast unit Mark        | 3. Floor                            | 4. Material                         | 5. Name                             | 6. Room Number                      | 7. Type                             | 8. Area                             | 9. Area of Ceilings                 | 10. Area of Columns                 | 11. Area of Doors                   | 12. Area of Floor                   | 13. Area of walls                   | 14. Area of Windows                 | 15. Cast unit rebar weight          | 16. Dimensions                      | 17. Height                          | 18. Perimeter                       | 19. Volume                          | 20. Material | 21. Operation type | 22. Profile type | 23. Self closing | 24. Smoke stop | 25. Structural function | 26. System | 27. Space Name                      |  |
|-------------------------------|--|-----------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------|--------------------|------------------|------------------|----------------|-------------------------|------------|-------------------------------------|--|
| Plumbing                      |  |                                   |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |  |
| Domestic Water Distribution   |  | 200                               | ARC                                 |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |  |
| Plumbing Fixtures             |  | ARC                               |                                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |  |
| Electrical                    |  |                                   |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |  |
| Lighting                      |  | 200                               | ARC                                 |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |  |
| Lighting Fixtures             |  | ARC                               |                                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     | <input checked="" type="checkbox"/> |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |  |
| General                       |  |                                   |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |  |
| Design Components             |  |                                   |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |  |
| Spaces                        |  | 200                               | ARC                                 |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |  |
| Rooms                         |  | ARC                               | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     | <input checked="" type="checkbox"/> |                                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |              |                    |                  |                  |                |                         |            | <input checked="" type="checkbox"/> |  |
| Zones                         |  | ARC                               | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     | <input checked="" type="checkbox"/> |                                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |              |                    |                  |                  |                |                         |            | <input checked="" type="checkbox"/> |  |
| Structure                     |  |                                   |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |  |
| Substructure                  |  |                                   |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |  |
| Foundations                   |  |                                   |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |  |
| Standard Foundations          |  | 200                               | STR                                 |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |  |
| Wall Foundations              |  | STR                               | <input checked="" type="checkbox"/> |                                     |                                     |                                     |                                     |                                     |                                     |                                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |                                     | <input checked="" type="checkbox"/> |              |                    |                  |                  |                |                         |            |                                     |  |
| Column / Isolated Foundations |  | STR                               | <input checked="" type="checkbox"/> |                                     |                                     |                                     |                                     |                                     |                                     |                                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |                                     | <input checked="" type="checkbox"/> |              |                    |                  |                  |                |                         |            |                                     |  |
| Driven Piles                  |  |                                   |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |  |
| Driven Piles                  |  | 200                               | STR                                 |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |  |
| Driven Piles                  |  | STR                               | <input checked="" type="checkbox"/> |                                     |                                     |                                     |                                     |                                     |                                     |                                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |                                     | <input checked="" type="checkbox"/> |              |                    |                  |                  |                |                         |            |                                     |  |
| Slabs-on-Grade                |  |                                   |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |  |
| Standard Slabs-on-Grade       |  | 200                               | STR                                 |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |  |
| Slabs-on-Grade                |  | STR                               | <input checked="" type="checkbox"/> |                                     |                                     |                                     |                                     |                                     |                                     |                                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |                                     | <input checked="" type="checkbox"/> |              |                    |                  |                  |                |                         |            |                                     |  |
| Slab Penetrations / Voids     |  | STR                               |                                     | <input checked="" type="checkbox"/> |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     | <input checked="" type="checkbox"/> |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |  |
| Shell                         |  |                                   |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |  |
| Superstructure                |  |                                   |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |  |
| Floor Construction            |  | 200                               | STR                                 |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |              |                    |                  |                  |                |                         |            |                                     |  |
| Floor Slabs                   |  | STR                               | <input checked="" type="checkbox"/> |                                     |                                     |                                     |                                     |                                     |                                     |                                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |                                     | <input checked="" type="checkbox"/> |              |                    |                  |                  |                |                         |            |                                     |  |
| Ramps                         |  | STR                               | <input checked="" type="checkbox"/> |                                     |                                     |                                     |                                     |                                     |                                     |                                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |                                     | <input checked="" type="checkbox"/> |              |                    |                  |                  |                |                         |            |                                     |  |

| Etapas 3 (TP)                               |  | 1. FireResistanceRating (fclLabel) | 2. Assembly / Cast unit Mark | 3. Floor | 4. Material | 5. Name | 6. Room Number | 7. Type | 8. Area | 9. Area of Ceilings | 10. Area of Columns | 11. Area of Doors | 12. Area of Floor | 13. Area of walls | 14. Area of Windows | 15. Cast unit rebar weight | 16. Dimensions | 17. Height | 18. Perimeter | 19. Volume | 20. Material | 21. Operation type | 22. Profile type | 23. Self closing | 24. Smoke stop | 25. Structural function | 26. System | 27. Space Name |  |
|---|--|------------------------------------|------------------------------|----------|-------------|---------|----------------|---------|---------|---------------------|---------------------|-------------------|-------------------|-------------------|---------------------|----------------------------|----------------|------------|---------------|------------|--------------|--------------------|------------------|------------------|----------------|-------------------------|------------|----------------|--|
| <b>Vertical Construction</b>                |  | 200                                | STR                          |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |  |
| Core / Shaft Walls                          |  | STR                                |                              | ✓        | ✓           | ✓       | ✓              | ✓       | ✓       |                     |                     |                   |                   |                   |                     | ✓                          | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |  |
| Columns                                     |  | STR                                |                              | ✓        | ✓           | ✓       | ✓              | ✓       | ✓       |                     |                     |                   |                   |                   |                     | ✓                          | ✓              |            |               | ✓          |              |                    | ✓                |                  |                |                         |            |                |  |
| Column Caps                                 |  | STR                                |                              | ✓        | ✓           | ✓       | ✓              | ✓       | ✓       |                     |                     |                   |                   |                   |                     | ✓                          | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         |            |                |  |
| Column Corbels                              |  | STR                                |                              | ✓        | ✓           | ✓       | ✓              | ✓       | ✓       |                     |                     |                   |                   |                   |                     | ✓                          | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         |            |                |  |
| <b>Concrete Structures</b>                  |  | 200                                | STR                          |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |  |
| Round Concrete Columns                      |  | STR                                |                              | ✓        | ✓           | ✓       | ✓              | ✓       | ✓       |                     |                     |                   |                   |                   |                     | ✓                          | ✓              |            |               | ✓          |              |                    | ✓                |                  |                |                         |            |                |  |
| Squared Concrete Columns                    |  | STR                                |                              | ✓        | ✓           | ✓       | ✓              | ✓       | ✓       |                     |                     |                   |                   |                   |                     | ✓                          | ✓              |            |               | ✓          |              |                    | ✓                |                  |                |                         |            |                |  |
| Concrete Beams                              |  | STR                                |                              | ✓        | ✓           | ✓       | ✓              | ✓       | ✓       |                     |                     |                   |                   |                   |                     | ✓                          | ✓              |            |               | ✓          |              |                    | ✓                |                  |                |                         |            |                |  |
| <b>Roof Construction</b>                    |  | 200                                | STR                          |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |  |
| Basic Roof                                  |  | STR                                |                              | ✓        | ✓           | ✓       | ✓              | ✓       | ✓       |                     |                     |                   |                   |                   |                     | ✓                          | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         |            |                |  |
| Roof Slabs                                  |  | STR                                |                              | ✓        | ✓           | ✓       | ✓              | ✓       | ✓       |                     |                     |                   |                   |                   |                     | ✓                          | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         |            |                |  |
| Roof Slab Penetrations / Voids              |  | STR                                |                              |          | ✓           |         |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               |            |              |                    |                  |                  |                |                         |            |                |  |
| <b>Stairs</b>                               |  | 200                                | STR                          |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |  |
| Metal Stairs                                |  | STR                                |                              | ✓        | ✓           | ✓       | ✓              | ✓       | ✓       |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         |            |                |  |
| Concrete Stairs                             |  | STR                                |                              | ✓        | ✓           | ✓       | ✓              | ✓       | ✓       |                     |                     |                   |                   |                   |                     | ✓                          | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         |            |                |  |
| <b>Exterior Vertical Enclosures</b>         |  |                                    |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |  |
| <b>Exterior Walls</b>                       |  | 200                                | STR                          |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |  |
| Basic Exterior Wall                         |  | STR                                |                              | ✓        | ✓           | ✓       | ✓              | ✓       | ✓       |                     |                     |                   |                   |                   |                     | ✓                          | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |  |
| Exterior Wall Penetrations / Voids          |  | STR                                |                              |          | ✓           |         |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               |            |              |                    |                  |                  |                |                         |            |                |  |
| Concrete Wall Parapet                       |  | STR                                |                              | ✓        | ✓           | ✓       | ✓              | ✓       | ✓       |                     |                     |                   |                   |                   |                     | ✓                          | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         |            |                |  |
| Exterior Concrete Walls                     |  | STR                                |                              | ✓        | ✓           | ✓       | ✓              | ✓       | ✓       |                     |                     |                   |                   |                   |                     | ✓                          | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |  |
| Exterior Concrete Wall Penetrations / Voids |  | STR                                |                              |          | ✓           |         |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               |            |              |                    |                  |                  |                |                         |            |                |  |
| Exterior Pre-cast Wall                      |  | STR                                |                              | ✓        | ✓           | ✓       | ✓              | ✓       | ✓       |                     |                     |                   |                   |                   |                     | ✓                          | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |  |
| <b>Interiors</b>                            |  |                                    |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |  |
| <b>Interior Construction</b>                |  |                                    |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |  |
| <b>Interior Walls</b>                       |  | 200                                | STR                          |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |  |
| Basic Interior Wall                         |  | STR                                |                              | ✓        | ✓           | ✓       | ✓              | ✓       | ✓       |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |  |
| Interior Wall Penetrations / Voids          |  | STR                                |                              |          | ✓           |         |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               |            |              |                    |                  |                  |                |                         |            |                |  |
| Interior Concrete Walls                     |  | STR                                |                              | ✓        | ✓           | ✓       | ✓              | ✓       | ✓       |                     |                     |                   |                   |                   |                     | ✓                          | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |  |

Etapas 3 (TP)

|  |     | 1. FireResistanceRating (IfLabel) | 2. Assembly / Cast unit Mark | 3. Floor  | 4. Material | 5. Name | 6. Room Number | 7. Type | 8. Area | 9. Area of Ceilings | 10. Area of Columns | 11. Area of Doors | 12. Area of Floor | 13. Area of walls | 14. Area of Windows | 15. Cast unit rebar weight | 16. Dimensions | 17. Height | 18. Perimeter | 19. Volume | 20. Material | 21. Operation type | 22. Profile type | 23. Self closing | 24. Smoke stop | 25. Structural function | 26. System | 27. Space Name |
|--|-----|-----------------------------------|------------------------------|---|-------------|---------|----------------|---------|---------|---------------------|---------------------|-------------------|-------------------|-------------------|---------------------|----------------------------|----------------|------------|---------------|------------|--------------|--------------------|------------------|------------------|----------------|-------------------------|------------|----------------|
| Interior Concrete Wall Penetrations / Voids          | STR |                                   |                              | ✓   |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Interior Pre-cast Wall                               | STR | ✓                                 | ✓                            | ✓   | ✓           |         |                | ✓       | ✓       |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               | ✓          |              |                    |                  |                  |                | ✓                       |            |                |
| <b>Plumbing Model Scope</b>                          |     |                                   |                              |   |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| <b>Services</b>                                      |     |                                   |                              |   |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| <b>Plumbing</b>                                      |     |                                   |                              |   |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Domestic Water Distribution                          |     | 200                               | MEP                          |    |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Facility Potable-Water Storage Tanks                 |     | MEP                               |                              | ✓   | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    |                  |                  |                |                         | ✓          |                |
| Domestic Water Equipment                             |     | MEP                               |                              | ✓   | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    |                  |                  |                |                         | ✓          |                |
| Domestic Water Piping Risers                         |     | MEP                               |                              | ✓   | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    |                  |                  |                |                         | ✓          |                |
| Domestic Water Piping Mains                          |     | MEP                               |                              | ✓   | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    |                  |                  |                |                         | ✓          |                |
| Domestic Water Piping Branches                       |     | MEP                               |                              | ✓   | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    |                  |                  |                |                         | ✓          |                |
| Domestic Water Piping Fittings / Elbows / Tees       |     | MEP                               |                              | ✓   | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    |                  |                  |                |                         | ✓          |                |
| Domestic Water Piping Insulation                     |     | MEP                               |                              | ✓   | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    |                  |                  |                |                         | ✓          |                |
| Plumbing Fixtures                                    |     | MEP                               |                              | ✓   | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    |                  |                  |                |                         | ✓          |                |
| Domestic Water Distribution Supplementary Components |     | MEP                               |                              | ✓   |             | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    |                  |                  |                |                         | ✓          |                |
| Sanitary Drainage                                    |     | 200                               | MEP                          |  |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Sanitary Sewerage Equipment                          |     | MEP                               |                              | ✓   | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    |                  |                  |                |                         | ✓          |                |
| Sanitary Sewerage Piping Risers                      |     | MEP                               |                              | ✓   | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    |                  |                  |                |                         | ✓          |                |
| Sanitary Sewerage Piping Mains                       |     | MEP                               |                              | ✓   | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    |                  |                  |                |                         | ✓          |                |
| Sanitary Sewerage Piping Branches                    |     | MEP                               |                              | ✓   | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    |                  |                  |                |                         | ✓          |                |
| Sanitary Sewerage Piping Vents                       |     | MEP                               |                              | ✓   | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    |                  |                  |                |                         | ✓          |                |
| Sanitary Drainage Supplementary Components           |     | MEP                               |                              | ✓   |             | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    |                  |                  |                |                         | ✓          |                |
| <b>Fire Protection</b>                               |     |                                   |                              |   |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Fire Suppression                                     |     | 200                               | MEP                          |  |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Fire Suppression Standpipes                          |     | MEP                               |                              | ✓   | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    |                  |                  |                |                         | ✓          |                |
| Fire Suppression Piping Mains                        |     | MEP                               |                              | ✓   | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    |                  |                  |                |                         | ✓          |                |
| Fire Suppression Piping Branches                     |     | MEP                               |                              | ✓   | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    |                  |                  |                |                         | ✓          |                |
| Fire Suppression Sprinkler Heads                     |     | MEP                               |                              | ✓   | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    |                  |                  |                |                         | ✓          |                |
| Fire Suppression Fittings                            |     | MEP                               |                              | ✓   | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    |                  |                  |                |                         | ✓          |                |
| Fire Suppression Tanks                               |     | MEP                               |                              | ✓   | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    |                  |                  |                |                         | ✓          |                |
| Fire Suppression Pumps                               |     | MEP                               |                              | ✓   | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    |                  |                  |                |                         | ✓          |                |
| Fire Suppression Valves                              |     | MEP                               |                              | ✓   | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    |                  |                  |                |                         | ✓          |                |
| Fire-Extinguishing Piping                            |     | MEP                               |                              | ✓   | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    |                  |                  |                |                         | ✓          |                |

| Etapas 3 (TP)                                     |         | 1. FireResistanceRating (fclLabel)  | 2. Assembly / Cast unit Mark | 3. Floor | 4. Material | 5. Name | 6. Room Number | 7. Type | 8. Area | 9. Area of Ceilings | 10. Area of Columns | 11. Area of Doors | 12. Area of Floor | 13. Area of walls | 14. Area of Windows | 15. Cast unit rebar weight | 16. Dimensions | 17. Height | 18. Perimeter | 19. Volume | 20. Material | 21. Operation type | 22. Profile type | 23. Self closing | 24. Smoke stop | 25. Structural function | 26. System | 27. Space Name |
|---|---------|---|------------------------------|----------|-------------|---------|----------------|---------|---------|---------------------|---------------------|-------------------|-------------------|-------------------|---------------------|----------------------------|----------------|------------|---------------|------------|--------------|--------------------|------------------|------------------|----------------|-------------------------|------------|----------------|
| Fire-Extinguishing Sprinkler Heads                | MEP     |   |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                | ✓                       |            |                |
| Fire-Extinguishing Fittings                       | MEP     |   |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| Fire-Extinguishing Tanks                          | MEP     |   |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| Fire Controls                                     | MEP     |   |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| Mechanical Model Scope                            |         |   |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Shell   |         |   |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Exterior Vertical Enclosures                      |         |   |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Exterior Louvers and Vents                        | 200 MEP |    |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Exterior Louvers                                  | MEP     |   |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| Exterior Vents                                    | MEP     |   |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| Services  |         |   |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Heating, Ventilation, and Air Conditioning (HVAC) |         |   |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| HVAC Distribution Systems                         | 200 MEP |   |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Hydronic Piping                                   | MEP     |   |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| Hydronic Boilers                                  | MEP     |   |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| Hydronic Expansion Tanks                          | MEP     |   |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| Hydronic Pumps                                    | MEP     |   |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| Hydronic Supplementary Components                 | MEP     |   |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| HVAC / AHU Equipment                              | MEP     |   |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| HVAC Supply Air Duct                              | MEP     |   |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| HVAC Supply Air Terminals                         | MEP     |   |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| HVAC Return Air Duct                              | MEP     |   |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| HVAC Return Air Terminals                         | MEP     |   |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| HVAC Fire Dampers                                 | MEP     |   |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| HVAC Condensation Piping                          | MEP     |   |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| Ventilation                                       | 200 MEP |  |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Ventilation Supply Air Equipment                  | MEP     |   |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| Ventilation Supply Air Duct                       | MEP     |   |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| Ventilation Supply Air Duct Branches              | MEP     |   |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| Ventilation Supply Air Terminals                  | MEP     |   |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| Ventilation Return Air Duct Mains                 | MEP     |   |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| Ventilation Return Air Duct                       | MEP     |   |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| Ventilation Return Air Terminals                  | MEP     |   |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| Ventilation Exhaust Air                           | MEP     |   |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| Ventilation Exhaust Air Duct                      | MEP     |   |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| Ventilation Exhaust Air Terminals                 | MEP     |   |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |

Etapas 3 (TP)

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|---|-----|------------------------------------|------------------------------|----------|-------------|---------|----------------|---------|---------|---------------------|---------------------|-------------------|-------------------|-------------------|---------------------|----------------------------|----------------|------------|---------------|------------|--------------|--------------------|------------------|------------------|----------------|-------------------------|------------|----------------|
| Exhaust Air Fire Dampers                                  | MEP |                                    |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                | ✓                       |            |                |
| Ventilation Outside Air Terminals                         | MEP |                                    |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                | ✓                       |            |                |
| Outside Air Fire Dampers                                  | MEP |                                    |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                | ✓                       |            |                |
| Variable Air Volume (VAV) Control Boxes                   | MEP |                                    |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                | ✓                       |            |                |
| Ventilation Condensation Piping                           | MEP |                                    |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                | ✓                       |            |                |
| Ventilation Duct Insulation                               | MEP |                                    |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                | ✓                       |            |                |
| <b>Electrical Model Scope</b>                             |     |                                    |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| <b>Services</b>   |     |                                    |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| <b>Electrical</b>   |     |                                    |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Electrical Service and Distribution                       |     | 200                                | MEP                          |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Electrical Service  | MEP |                                    |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| Electrical Service Transformers                           | MEP |                                    |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| Electrical Service Switchboards                           | MEP |                                    |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| Batteries   | MEP |                                    |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| Power Distribution  | MEP |                                    |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| Power Distribution Conduit                                | MEP |                                    |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| Power Distribution Conduit Fittings                       | MEP |                                    |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| Power Distribution Banks                                  | MEP |                                    |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| General Purpose Electrical Power                          |     | 200                                | MEP                          |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Wiring Devices  | MEP |                                    |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| Cable Trays   | MEP |                                    |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| Raceways  | MEP |                                    |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| General Purpose Electrical Power Supplementary Components | MEP |                                    |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| Lighting  |     | 200                                | MEP                          |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Lighting Controls   | MEP |                                    |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| Lighting Fixtures   | MEP |                                    |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| Emergency / Exit Signs                                    | MEP |                                    |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| Lighting Sensors Supplementary Components                 | MEP |                                    |                              | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     | ✓                          |                |            |               | ✓          |              |                    |                  |                  |                |                         | ✓          |                |
| <b>Low Voltage Model Scope</b>                            |     |                                    |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| <b>Services</b>   |     |                                    |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| <b>Access Control and Intrusion Detection</b>             |     |                                    |                              |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Access Control And Intrusion Detection                    |     | 200                                | MEP                          |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |

| Etapas 3 (TP)                      |         | 1. FireResistanceRating (IfLabel) | 2. Assembly / Cast unit Mark  | 3. Floor | 4. Material | 5. Name | 6. Room Number | 7. Type | 8. Area | 9. Area of Ceilings | 10. Area of Columns | 11. Area of Doors | 12. Area of Floor | 13. Area of walls | 14. Area of Windows | 15. Cast unit rebar weight | 16. Dimensions | 17. Height | 18. Perimeter | 19. Volume | 20. Material | 21. Operation type | 22. Profile type | 23. Self closing | 24. Smoke stop | 25. Structural function | 26. System | 27. Space Name |
|------------------------------------|---------|-----------------------------------|---|----------|-------------|---------|----------------|---------|---------|---------------------|---------------------|-------------------|-------------------|-------------------|---------------------|----------------------------|----------------|------------|---------------|------------|--------------|--------------------|------------------|------------------|----------------|-------------------------|------------|----------------|
| Security Entry Keypads             | MEP     |                                   |   | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    |                  |                  |                |                         | ✓          |                |
| Security Entry Card Readers        | MEP     |                                   |   | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    |                  |                  |                |                         | ✓          |                |
| Security Entry Fingerprint Readers | MEP     |                                   |   | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    |                  |                  |                |                         | ✓          |                |
| Security Alarm Panel               | MEP     |                                   |   | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    |                  |                  |                |                         | ✓          |                |
| Intrusion Detection Sensors        | MEP     |                                   |   | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    |                  |                  |                |                         | ✓          |                |
| Disabled Access Controls           | MEP     |                                   |   | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    |                  |                  |                |                         | ✓          |                |
| Electronic Surveillance            | 200 MEP |                                   |  |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Interior Surveillance Camera       | MEP     |                                   |   | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    |                  |                  |                |                         | ✓          |                |
| Exterior Surveillance Camera       | MEP     |                                   |   | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    |                  |                  |                |                         | ✓          |                |
| Surveillance Monitors              | MEP     |                                   |   | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    |                  |                  |                |                         | ✓          |                |
| Detection And Alarm                | 200 MEP |                                   |  |          |             |         |                |         |         |                     |                     |                   |                   |                   |                     |                            |                |            |               |            |              |                    |                  |                  |                |                         |            |                |
| Fire Detection Devices             | MEP     |                                   |   | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    |                  |                  |                |                         | ✓          |                |
| Fire Alarm Bells                   | MEP     |                                   |   | ✓        | ✓           | ✓       |                |         |         |                     |                     |                   |                   |                   |                     |                            | ✓              |            |               |            | ✓            |                    |                  |                  |                |                         | ✓          |                |