



# **REVIT Level 2**

## **Session 07**

# AGENDA for today

## Creating Working drawings from Revit

### SESSION 06

- PHASES
  - A1- As built Drawing
  - A2- Demolition Plan
- 

### SESSION 07

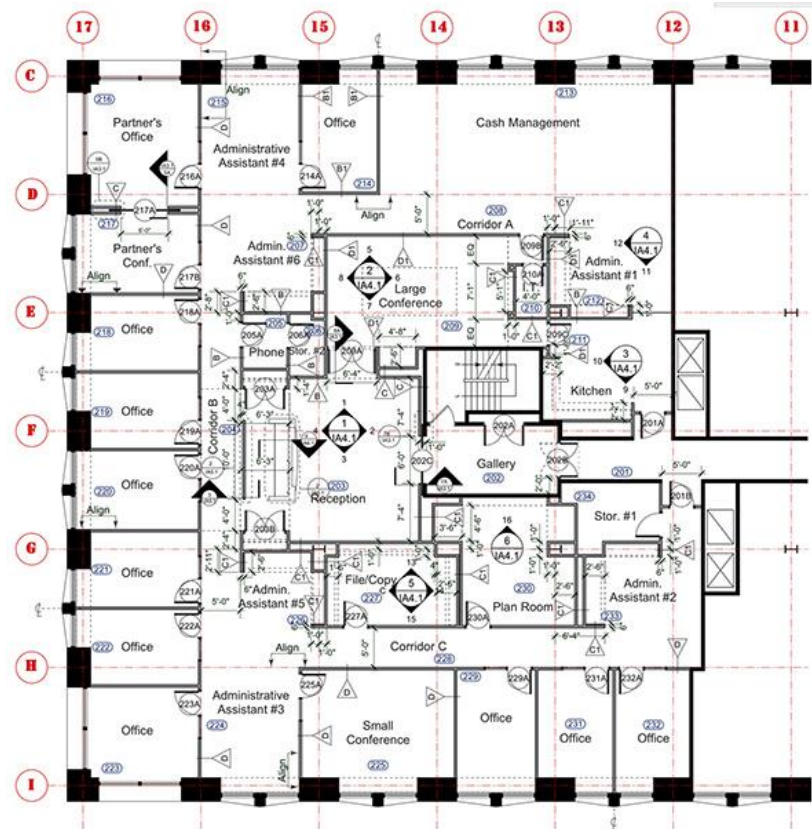
- A3-Partition Plans
  - A4-Furniture and Fixture Plans
- 

### SESSION 08

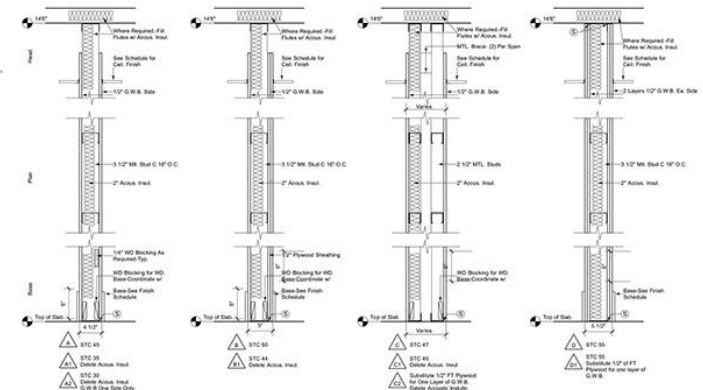
- A5-Ceiling Plan
- A6-Power and Communication Plan
- A7-Sections Drawings
- A8-Interior Wall Elevations
- A9-Details and Millwork

# Partition plan

- A construction drawing that indicates the placement and type of all new and existing partitions and doors.
- This will show more information about wall construction than a typical presentation drawing
- Schedules for walls and doors are often used



1 Partition Plan  
Scale: 1/8" = 1'-0"

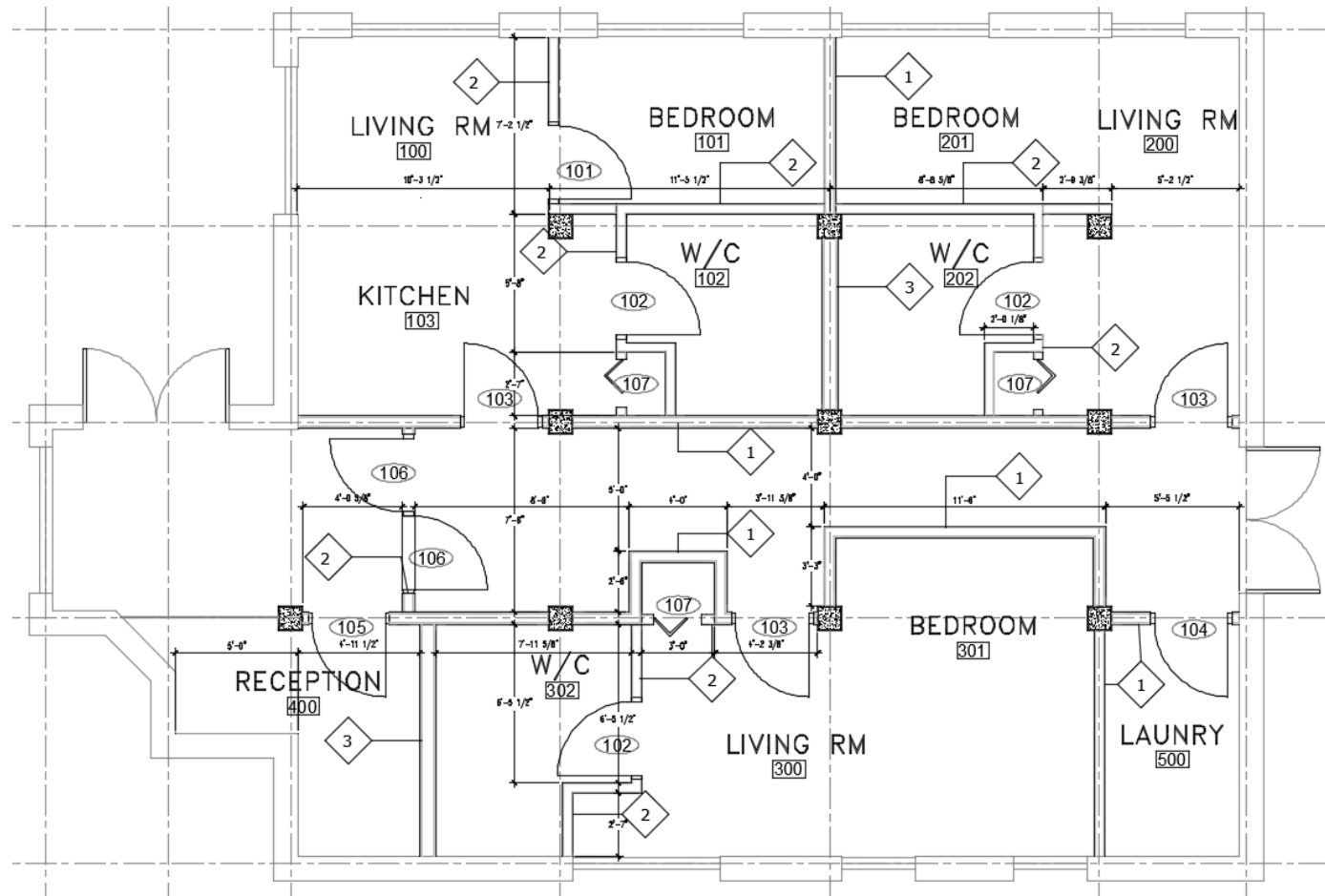


2 Partition Type Details  
Scale: 1/2" = 1'-0"

All Partitions are Type "M" U.G.B.

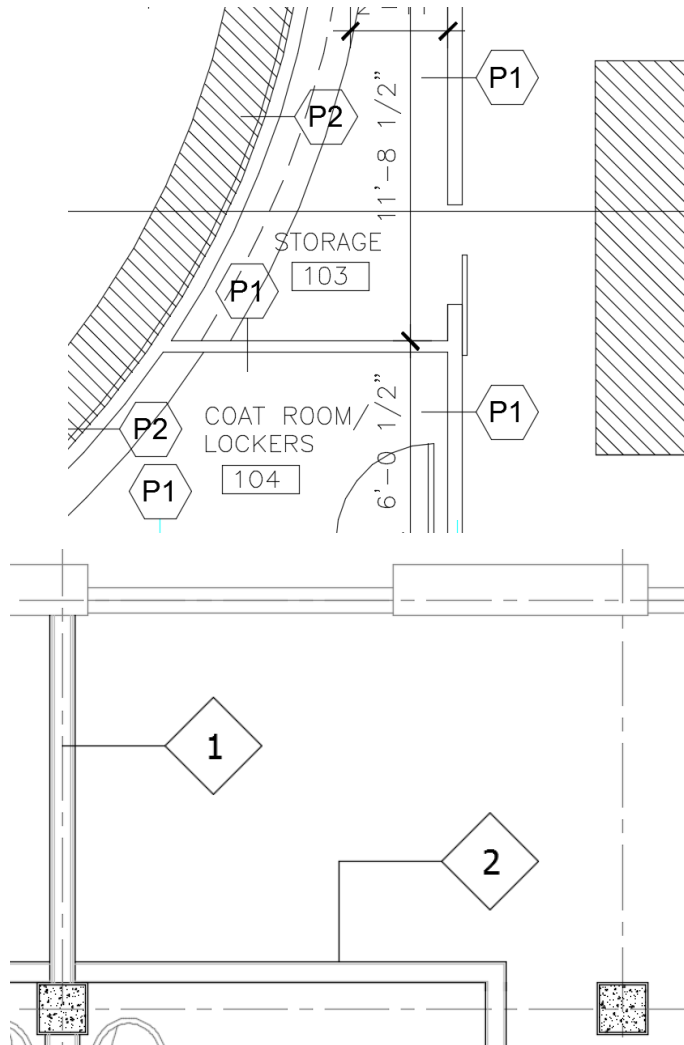
# A3-PARTITION PLANS

- A construction drawing that indicates the placement and type of all new and existing partitions and doors.
- Duplicate the floor plan
- Edit the Visibility / Graphics to hide certain elements like furniture
- Add Dimensions using single string method
- Add Door and Window tags
- Add Wall Tags
- Set the Crop region, Set the Scale, Set the detail level, Set the visual style before inserting the view onto the sheet



# WALL TAG WITH LEGEND.

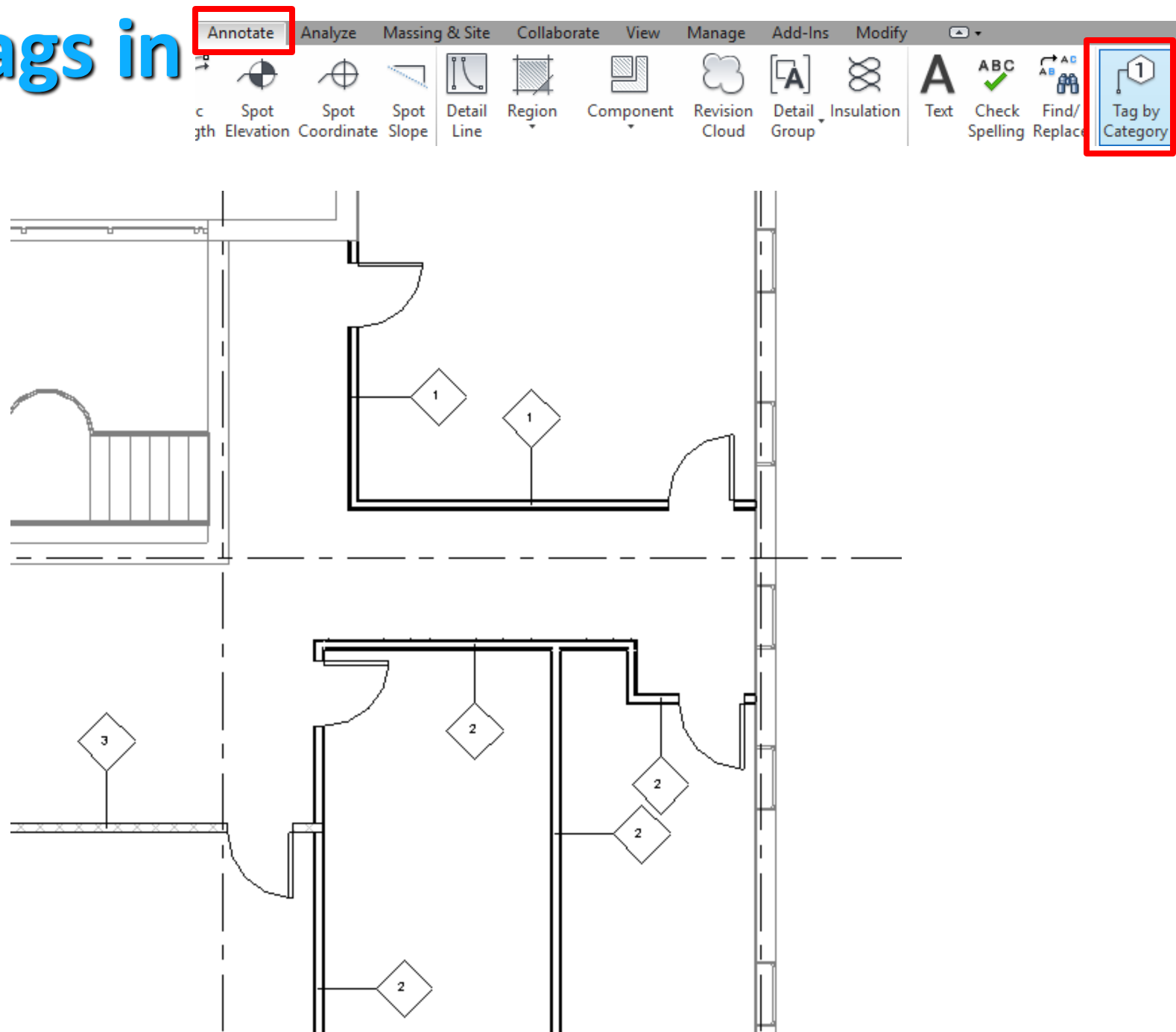
- To identify the type of wall in a partition plan, we use wall tags with a corresponding legend.



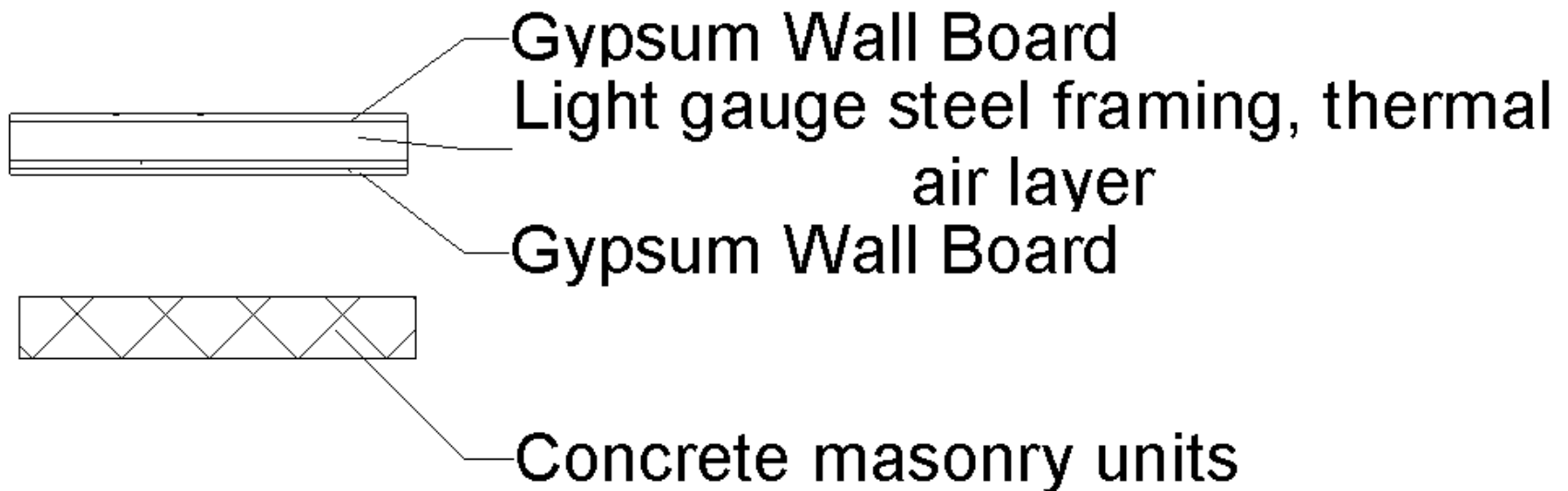
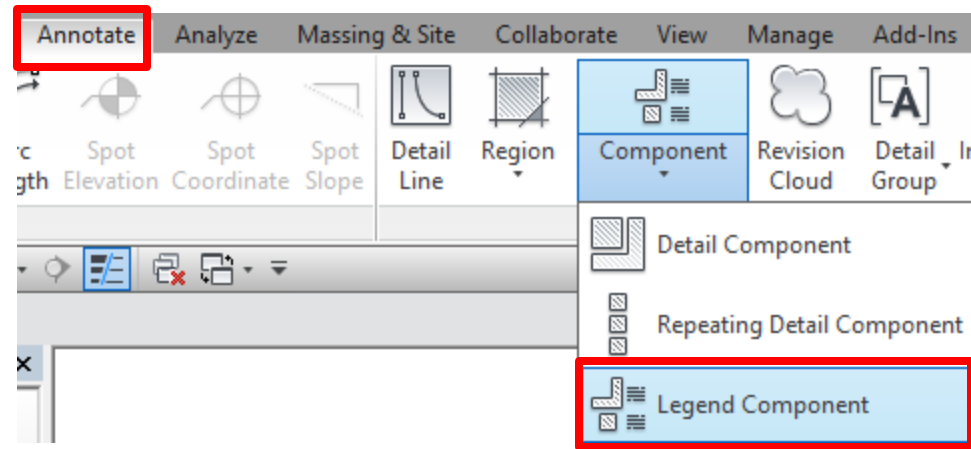
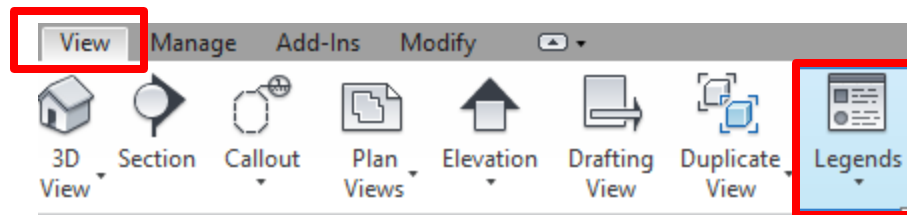
| WALL TYPES LEGEND: |   |  |
|--------------------|---|--|
| P1                 | STANDARD PARTITION-TO U/S OF FINISHED CEILING:<br>15.9mm (5/8") GYPSUM PANELS, 1 LAYER, EACH SIDE OF 92mm (3-5/8") STEEL STUDS AT 400mm (16") O.C. 38mm (1-1/2") SOUND ATTENUATION BLANKETS.  |  |
| P2                 | STANDARD PARTITION-TO U/S OF CONCRETE DECK:<br>15.9mm (5/8") GYPSUM PANELS, 1 LAYER, EACH SIDE OF 92mm (3-5/8") STEEL STUDS AT 400mm (16") O.C. 38mm (1-1/2") SOUND ATTENUATION BLANKETS.   |  |
| P3                 | GLAZED PARTITION-TO U/S OF FINISHED CEILING:<br>1/2" TEMPERED CLEAR GLASS SET IN 1" CLEAR ANODIZED ALUMINUM CHANNEL AT TOP AND BOTTOM—TRACK SECURED TO FLOOR AND CEILING—PROVIDE BLOCKING AND BRACING ABOVE CEILING AS REQUIRED.            |  |
| P4                 | ACOUSTIC PARTITION-TO U/S OF CONCRETE DECK W/BAFFLE (STC 49):<br>15.9mm (5/8") GYPSUM PANELS, 1 LAYER, EACH SIDE OF 92mm (3-5/8") STEEL STUDS AT 600mm (24") O.C. 76mm (3") SOUND ATTENUATION BLANKETS. PERIMETER AND ALL OPENINGS CAULKED. |  |
| P5                 | FURRING TO EXISTING WALL SURFACE:<br>12.7mm (1/2") GYPSUM PANELS, 1 LAYER, ONE SIDE OF METAL FURRING CHANNELS AT 16" O.C.<br>* MATERIAL OF EXISTING BACKING WALL MAY VARY. GYPSUM BOARD TO 6" ABOVE FINISHED CEILING WHERE APPLICABLE.      |  |
| P6                 | CONCRETE BLOCK WALL<br>300mm (12") CONCRETE BLOCKS WITH 1/4" METAL CHANNEL AND 12.7mm (1/2") GYPSUM PANELS. 1 LAYER, EACH SIDE OF 92mm (3-5/8") STEEL STUDS AT 600mm (24") O.C.   |  |
| P6                 | CONCRETE BLOCK WALL<br>300mm (12") CONCRETE BLOCKS WITH 1/4" METAL CHANNEL AND 12.7mm (1/2") GYPSUM PANELS. 1 LAYER, EACH SIDE OF 92mm (3-5/8") STEEL STUDS AT 600mm (24") O.C.   |  |

|   | SOUND TRANSMISSION CLASS (STC) | CONSTRUCTION   | DESCRIPTION   |
|---|--------------------------------|--|---|
| 1 | 35                             | <br>Thickness: 95mm (3 3/4")<br>Weight: 25 kg/m <sup>2</sup> (5.0 lb/ft <sup>2</sup> ) | <b>FIRE RESISTANCE RATING: 3/4h</b>   |
|   |                                |  | <b>System WPB035</b><br>15.9mm (5/8") CertainTeed Type X products, 1 layer, each side of 64mm (2 1/2") steel studs.<br>Fasten boards vertically using 32mm (1 1/4") screws spaced 200mm (8") o.c. along floor and ceiling tracks, and 300mm (12") o.c. along edge joints and in the field. Joints must be offset. Tape and finish joints with CertainTeed products.   |
| 2 | 61                             | <br>Thickness: 143mm (5 5/8")<br>Weight: 53 kg/m <sup>2</sup> (11 lb/ft <sup>2</sup> ) | <b>FIRE RESISTANCE RATING: 2h (continued)</b>   |
|   |                                |  | <b>System PPC261</b><br>Fasten 12.7mm (1/2") CertainTeed Type C products vertically or horizontally to each side of 92mm (3 5/8") steel studs using 25mm (1") screws spaced 300mm (12") o.c. Fasten a face layer of 12.7mm (1/2") PermaBase horizontally to each side using 41mm (1 1/2") screws spaced 230mm (9") o.c. Install 89mm (3 1/2") minimum 34 kg/m <sup>3</sup> (2.1 lb/ft <sup>3</sup> ) mineral wool insulation in the cavity. All joints must be staggered a minimum of 300mm (12"). Tape and finish PermaBase joints with fiberglass mesh joint tape and latex-modified Portland cement mortar applied at a minimum rate of 2.7 kg/m <sup>2</sup> (0.55 lb/ft <sup>2</sup> ). 15.9mm (5/8") CertainTeed Type X products may be substituted for the 12.7mm (1/2") CertainTeed Type C products in this assembly. |

# Wall tags in Revit



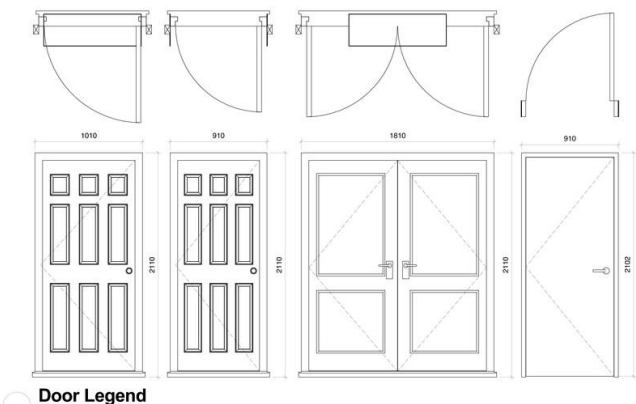
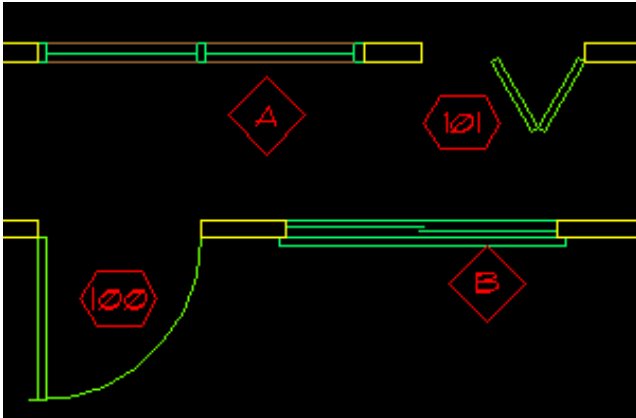
# Legends in Revit












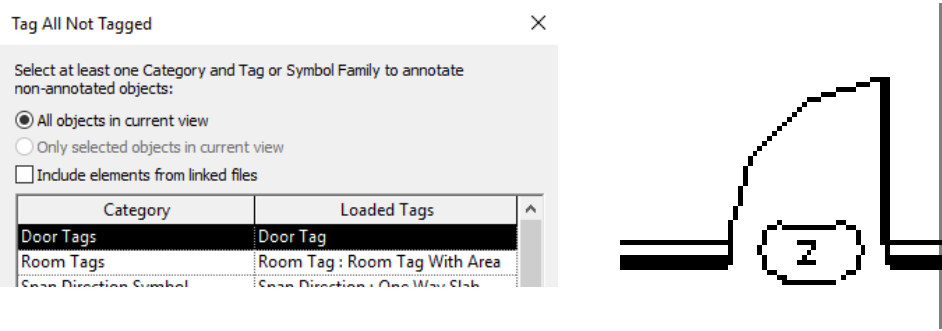
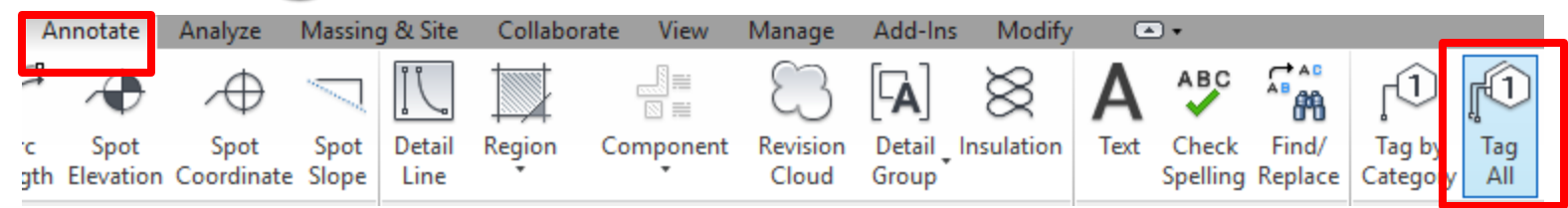
# DOOR TAG WITH DOOR LEGEND

- To identify the type of door in a partition plan, we use door tags with a corresponding legend.

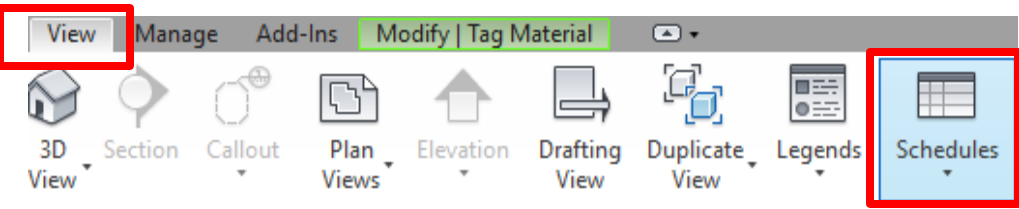


|   | Family         | Height | Width | Type Mark | Window Count |
|---|----------------|--------|-------|-----------|--------------|
|    | Single-4 Panel | 82,68  | 70,87 | 16        | 4            |
|    | Double-Glass 1 | 82,68  | 70,87 | 17        | 2            |
|    | Single-Fixed   | 60,00  | 30,00 | 4         | 2            |
|    | Single-Fixed   | 60,00  | 36,00 | 1         | 3            |
|   | Single-Fixed   | 60,00  | 31,50 | 3         | 3            |
|  | Single-Glass 1 | 64,00  | 36,00 | 22        | 1            |
|  | Window-Inset   | 0,00   | 0,00  |           | 14           |

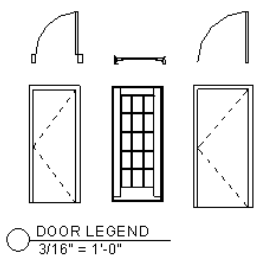
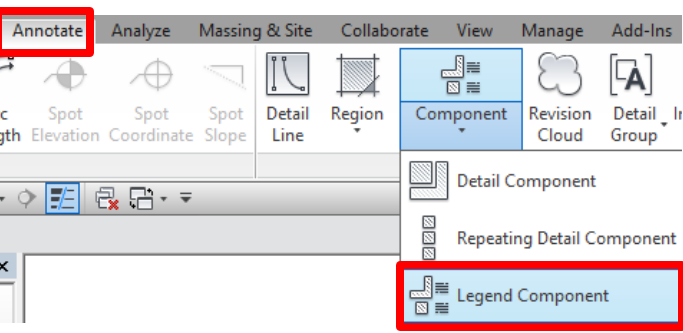
# Door tag in Revit



# Door Schedule / Legend in Revit

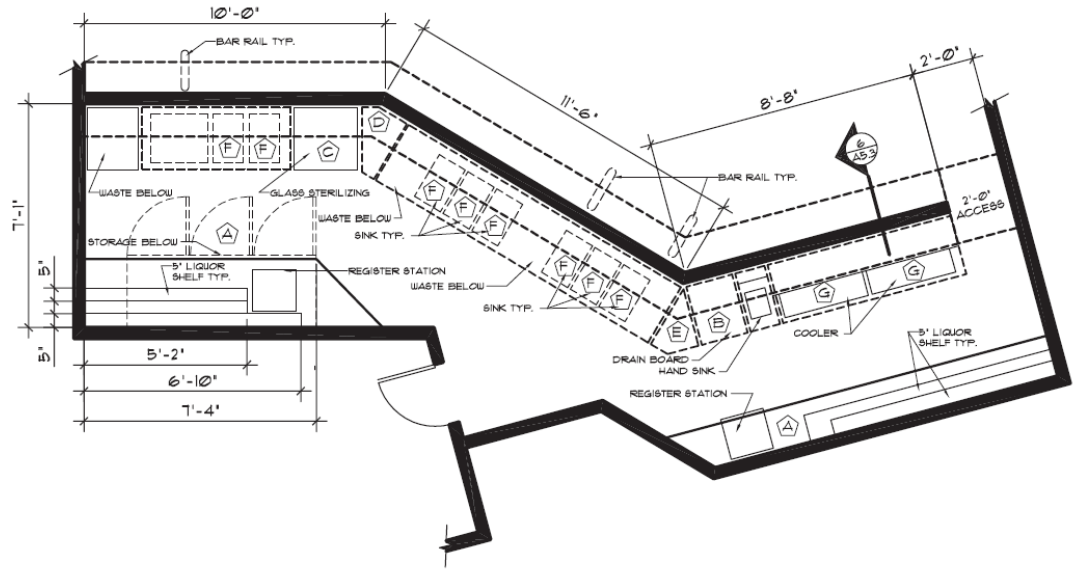


| Door Schedule |       |             |              |
|---------------|-------|-------------|--------------|
| Mark          | Count | Width       | Height       |
|               | 1     | 3' - 9 1/2" | 6' - 10 3/4" |
|               | 1     | 3' - 9 1/2" | 6' - 10 3/4" |
| 1             | 1     | 3' - 0"     | 6' - 9 1/2"  |
| 2             | 1     | 3' - 0"     | 6' - 8"      |
| 3             | 1     | 3' - 0"     | 6' - 8"      |
| 4             | 1     | 3' - 0"     | 6' - 8"      |
| 5             | 1     | 3' - 0"     | 6' - 8"      |
| 6             | 1     | 3' - 0"     | 6' - 8"      |



# FURNITURE, FIXTURES AND EQUIPMENT PLAN

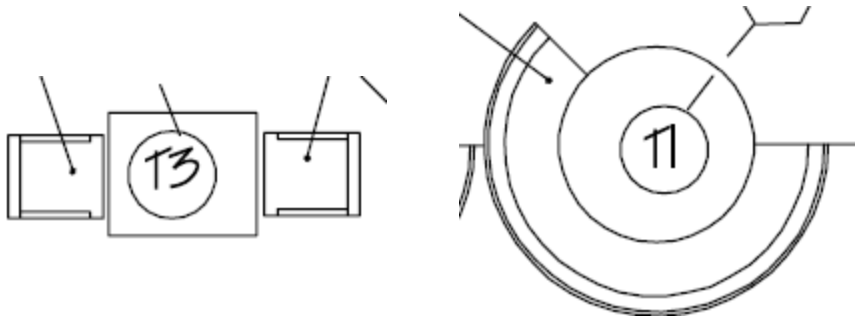
- furniture:  
Items considered as personal property unless they are affixed to the real property, such as chairs, desks, filing cabinets, computer equipment, copier, fax machine, telephone equipment.
- Fixtures and equipment:  
Awnings, built-in bookcases,, plumbing fixtures such as toilets and sinks, kitchen appliances such as stoves and sinks. Items that are attached to a real property in a manner that it becomes a part of that property.



| KEY | QUANTITY | DESCRIPTION              | DIMENSIONS   | COMMENTS                |
|-----|----------|--------------------------|--------------|-------------------------|
| (A) | 2        | 36" UNDER BAR *CJ5150    | 36"X23 1/2"D | SELF CONT. / S.S. DOORS |
| (B) | 1        | DRAIN BOARD * CJ500      | 30"X24"Dx18W | 30"X24"Dx18W            |
| (C) | 1        | GLASS STERILIZER *CJ0804 | 30"X24"Dx24W | S.S. FRONT              |
| (D) | 1        | CUSTOM CORNER            | V.I.F.       | S.S. TOP / CUSTOM       |
| (E) | 1        | CUSTOM CORNER            | V.I.F.       | S.S. TOP / CUSTOM       |
| (F) | 8        | SINK                     | 30"X24"Dx16W | S.S.                    |
| (G) | 2        | COOLER                   | 33"X24"Dx12W | S.S. FRONT              |

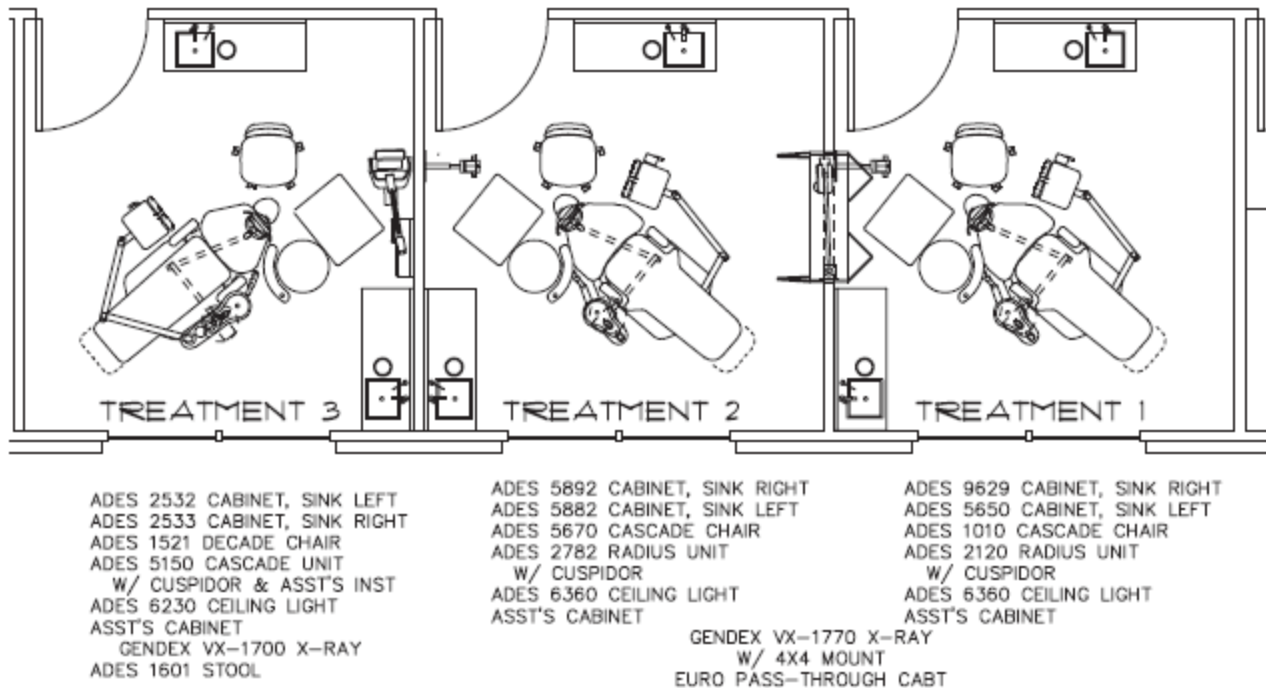
# FURNITURE

- The selection of furniture is an integral phase in the design of interior spaces, as it affects human functions and desires. Spaces can also be personalized by furniture, which reflects individual preferences, activities, and needs.
- Furniture is often planned for early in an interior design project. It may even be a design generator. For example, space can be organized around the placement of furniture to define traffic patterns or provide conversation areas.
- The drawing of these items is often simplified in plan or elevation view, as their exact appearance is often too complicated.

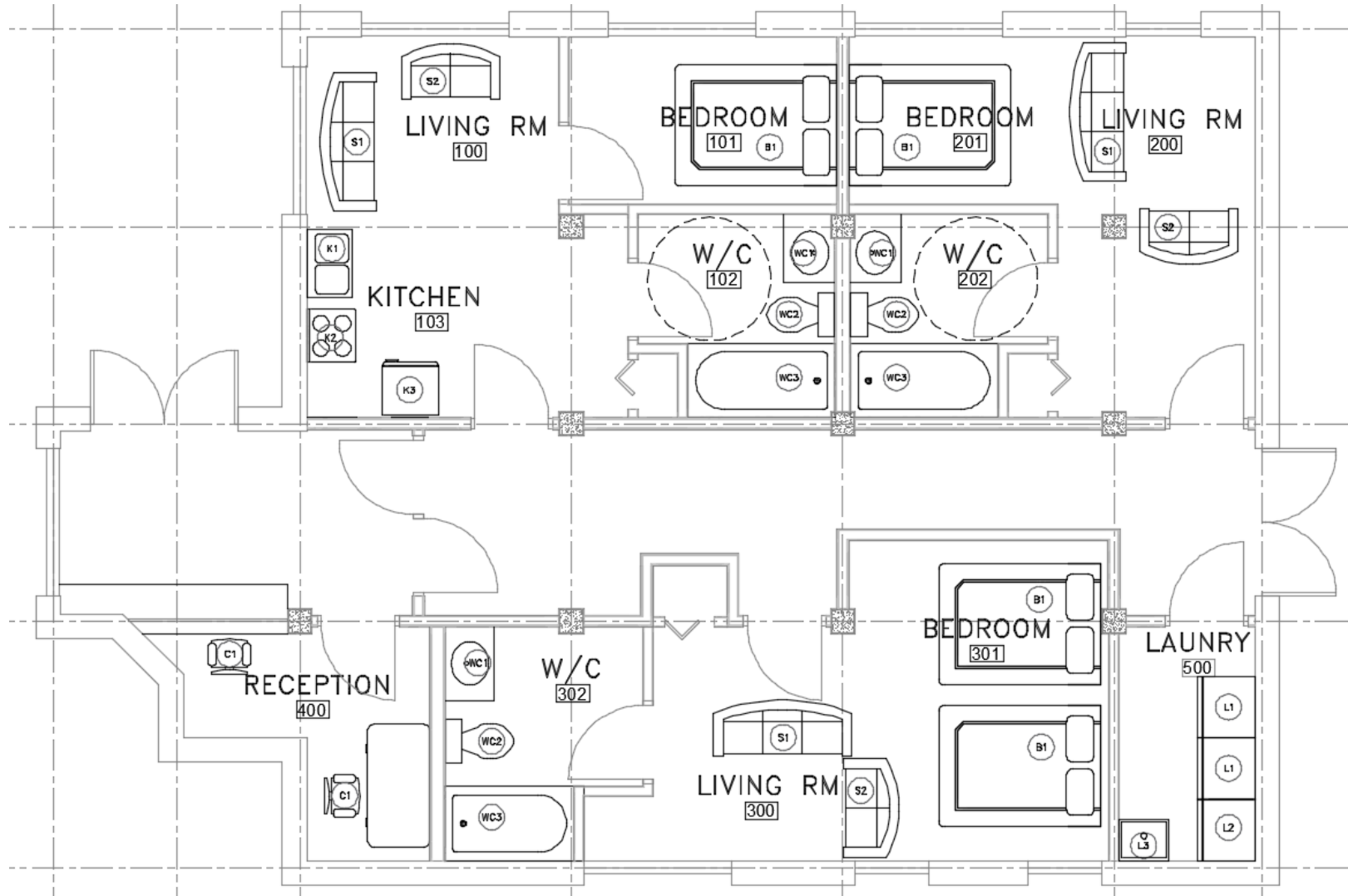


# FIXTURES AND EQUIPMENT

- FIXTURES REFER TO ITEMS SUCH AS PLUMBING FIXTURES SUCH AS SINKS AND TOILETS. IN A COMMERCIAL RETAIL SETTING, FIXTURES CAN BE SHELVING UNITS.
- EQUIPMENT REFER TO ITEMS SUCH AS KITCHEN APPLIANCES SUCH AS STOVES AND REFRIGERATORS. equipment might be physically attached to the building, as with retail display equipment or specialized chairs and other equipment in dental treatment rooms

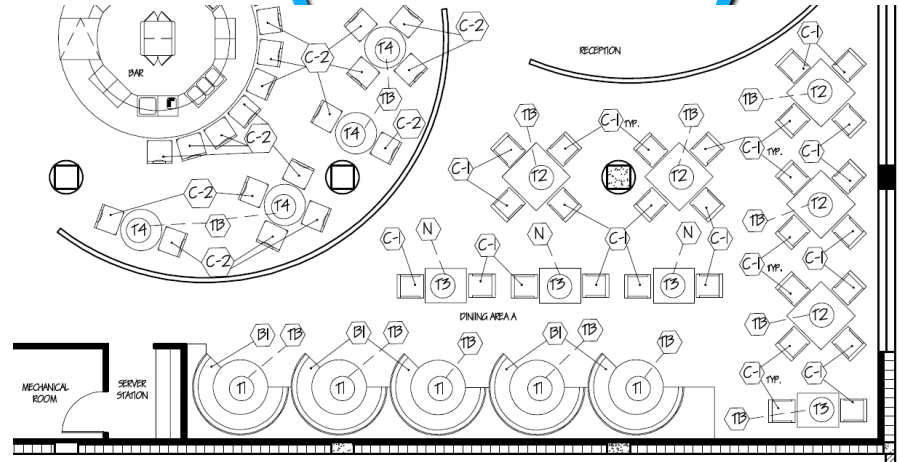


# A4- Furniture, fixtures and equipment plan



# TAGS AND SCHEDULE (LEGEND)

- Code numbers identify each piece of furniture. It is referenced by a symbol to an accompanying furniture schedule that details the specifications of the component.
- a chair is designated C-1, C-2, C-3, etc. Sofas are called S-1, S-2, S-3. shapes are then placed around the text.
- A variety of information can be included in the schedule as shown to the right. Additional information can be included such as size and cost.



| MARK | QUANTITY | MANUFACTURER          | DESCRIPTION                                     | FABRIC/ FINISH   | REMARKS   |
|------|----------|-----------------------|---|--|---|
| C-1  | 90       | MIKE INDUSTRIES, INC. | 20-48" NELSON CHAIR<br>20W, 22D, 35H            | SEAT: NUANCE, LIZ JORDON-<br>HILL, MAHOGANY<br>FRAME:<br>POLISHED CHROME               | CLASS A FLAME<br>SPREAD FABRIC                      |
| C-2  | 30       | MIKE INDUSTRIES, INC. | 55-67" SONAR BARSTOOL<br>19W, 19D, 45H - 30" SH | SEAT: 2057-701 TALISMAN<br>DESIGNTEX<br>FRAME:<br>NATURAL MAPLE<br>CAPS: BRUSHED CRONE | CLASS A FLAME<br>SPREAD FABRIC                      |
| T-1  | 16       | FALCON PRODUCTS       | CUSTOM WOOD<br>TABLE TOP<br>48" DIA. ROUND      | SOLID OAK TOPS<br>W/ NATURAL MAPLE<br>STAIN  | BASE TB BRUSHED<br>CHROME - SEE LISTING<br>UNDER TB |
| T-2  | 12       | FALCON PRODUCTS       | CUSTOM WOOD<br>TABLE TOP<br>42" X 42"           | SOLID OAK TOPS<br>W/ NATURAL MAPLE<br>STAIN  |   |

# FURNITURE TAGS & LEGENDS

- Created in the same method as Door tags and legends/schedules.