



# Flow Concepts and Generic Layouts for the Modular Factory

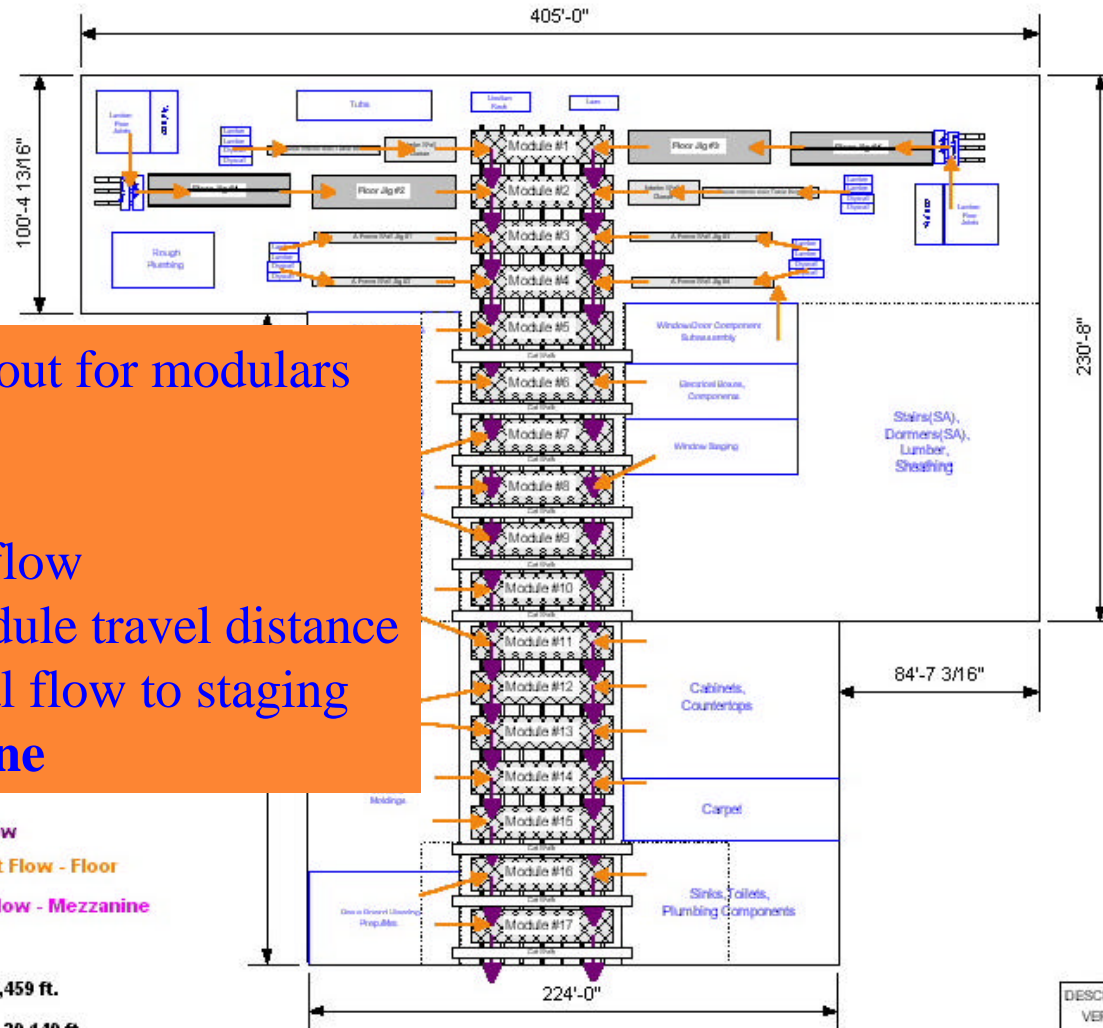
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# Generic Layout & Flow Concepts

- Standard Side-Saddle
- Standard Shotgun
- Wide Shotgun
- L Layout
- T Layout
- Building Village

# Standard Side-Saddle, Floor



- Conventional layout for modulars
- Compact
- Easy to expand
- Straight module flow
- Shortest avg. module travel distance
- Excellent material flow to staging
- Poor access to line

**Module Flow**  
**Material/Component Flow - Floor**  
**Material/Component Flow - Mezzanine**

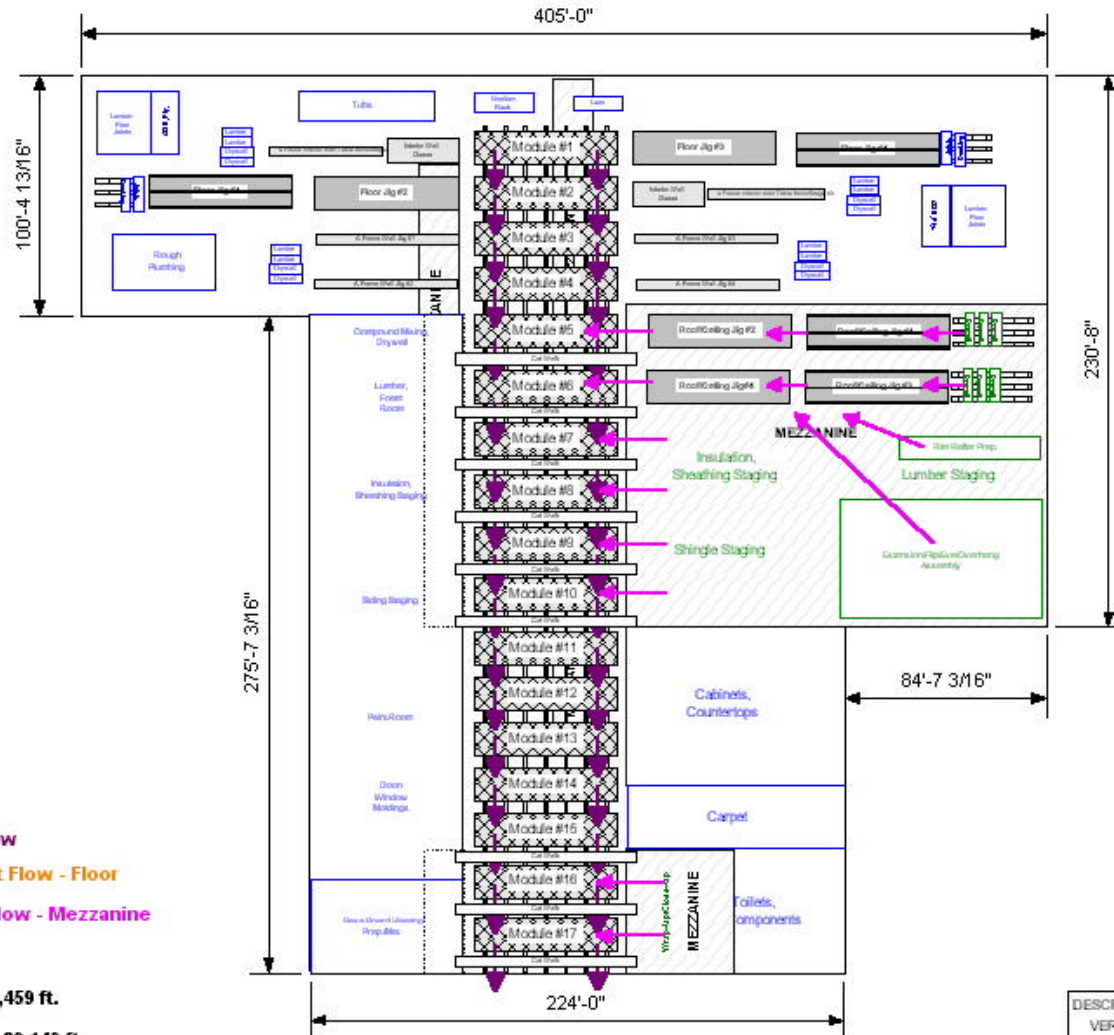
**Total Floor Space : 113,459 ft.**

**Total Mezzanine Space : 29,149 ft.**

**Total Catwalk Space : 3,078 ft.**

DESCRIPTION	TITLE
VERSION STANDARD_SS PLANT LAYOUT	STANDARD_SS/ LAYOUT01A
SCALE	DRAWN BY
1/40	JOSE A. GONZALEZ

# Standard Side-Saddle, Mezzanine



**Module Flow**  
**Material/Component Flow - Floor**  
**Material/Component Flow - Mezzanine**

**Total Floor Space : 113,459 ft.**

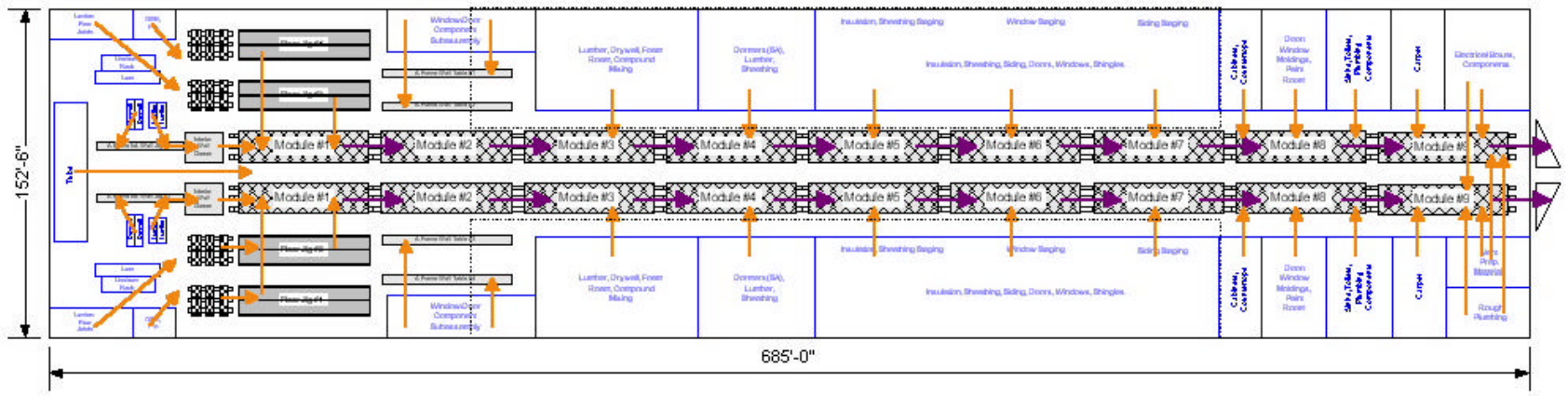
**Total Mezzanine Space : 29,149 ft.**

**Total Catwalk Space : 3,078 ft.**

DESCRIPTION	TITLE
VERSION STANDARD_SS PLANT LAYOUT	STANDARD_SS/ LAYOUT01A
SCALE	DRAWN BY
1:840	JOSE A. GONZALEZ

## Standard Shot-Gun, Floor

- Easy to expand
- Straight module flow
- 1/2 the module moves
- Good access to roof - no catwalks
- Good access to exterior
- Poor access to interior
- Long narrow shape



### Module Flow

Material/Component Flow - Floor

Material/Component Flow - Mezzanine

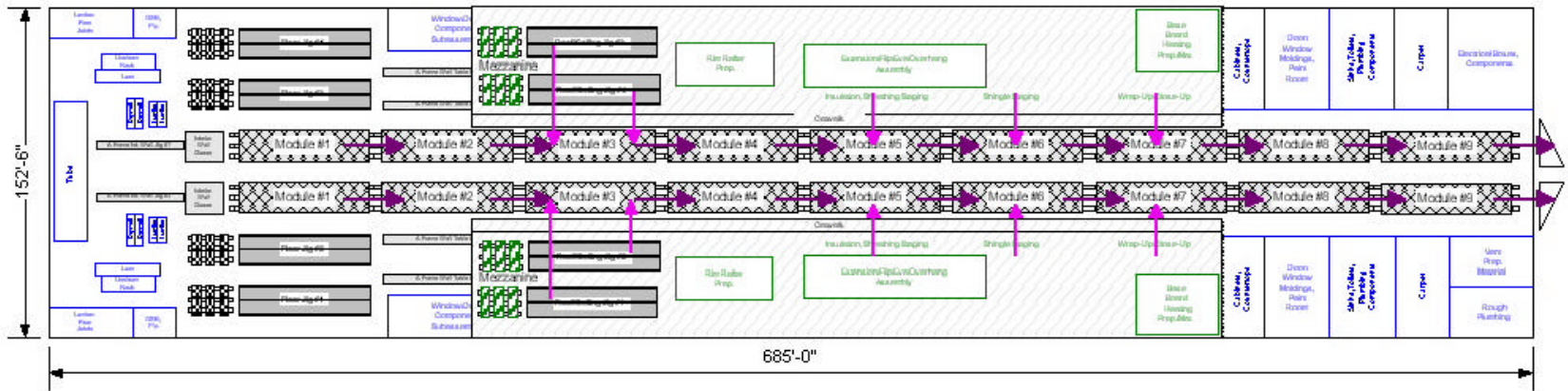
Total Floor Space : 104,462.5 ft.

Total Mezzanine Space : 33,957 ft.

Total Catwalk Space : 4,158 ft.

DESCRIPTION	TITLE
VERSION STANDARD_SG PLANT LAYOUT	STANDARD_SG
SCALE	DRAWN BY
1:840	JOSE A. GONZALEZ

# Standard Shot-Gun, Mezzanine



**Module Flow**

**Material/Component Flow - Floor**

**Material/Component Flow - Mezzanine**

**Total Floor Space : 104,462.5 ft.**

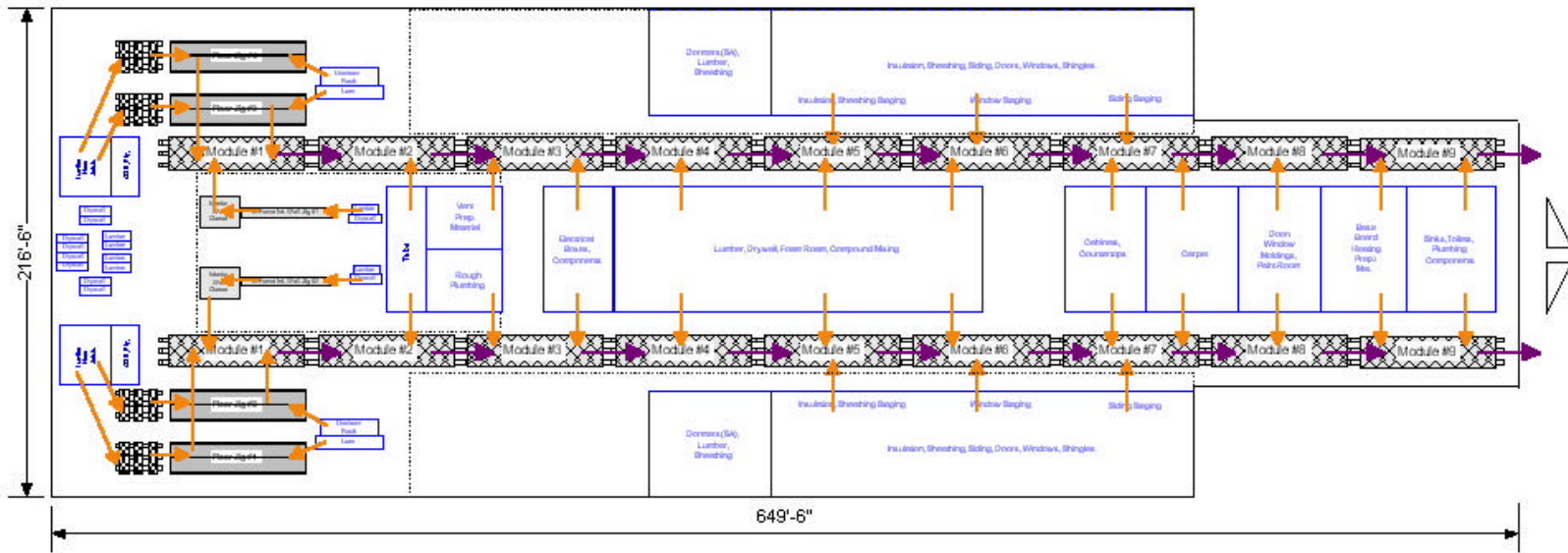
**Total Mezzanine Space : 33,957 ft.**

**Total Catwalk Space : 4,158 ft.**

DESCRIPTION	TITLE
VERSION STANDARD_SG	STANDARD_SG
PLANT LAYOUT	
SCALE	DRAWN BY
1:840	JOSE A. GONZALEZ

# Wide Shot-Gun, Floor

- Easy to expand
- Straight module flow
- 1/2 the module moves
- Good access to roof - no catwalks
- Good access to exterior & interior
- Long narrow shape



### Module Flow

Material/Component Flow - Floor

Material/Component Flow - Mezzanine

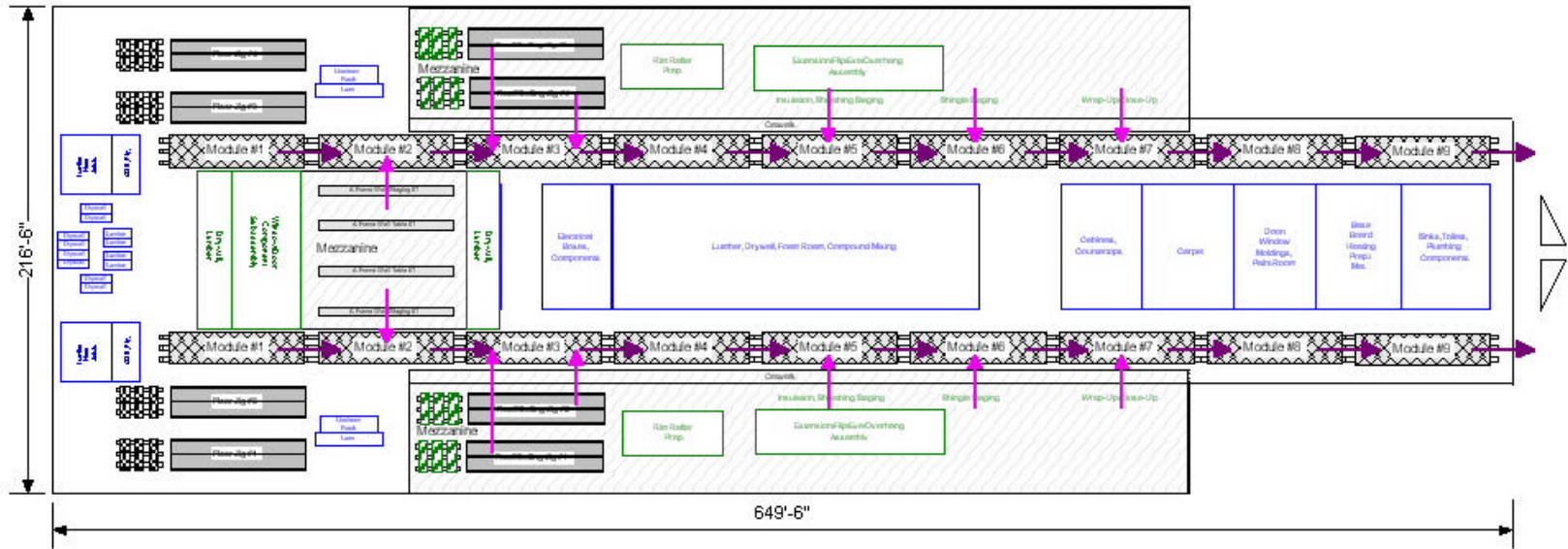
Total Floor Space : 126,117 ft.

Total Mezzanine Space : 43,803 ft.

Total Catwalk Space : 4,511 ft.

DESCRIPTION	TITLE
VERSION SHOT_GUN PLANT LAYOUT	SHOT_GUN
SCALE	DRAWN BY
1:840	JOSE A. GONZALEZ

# Wide Shot-Gun, Mezzanine



## Module Flow

Material/Component Flow - Floor

Material/Component Flow - Mezzanine

Total Floor Space : 126,117 ft.

Total Mezzanine Space : 43,803 ft.

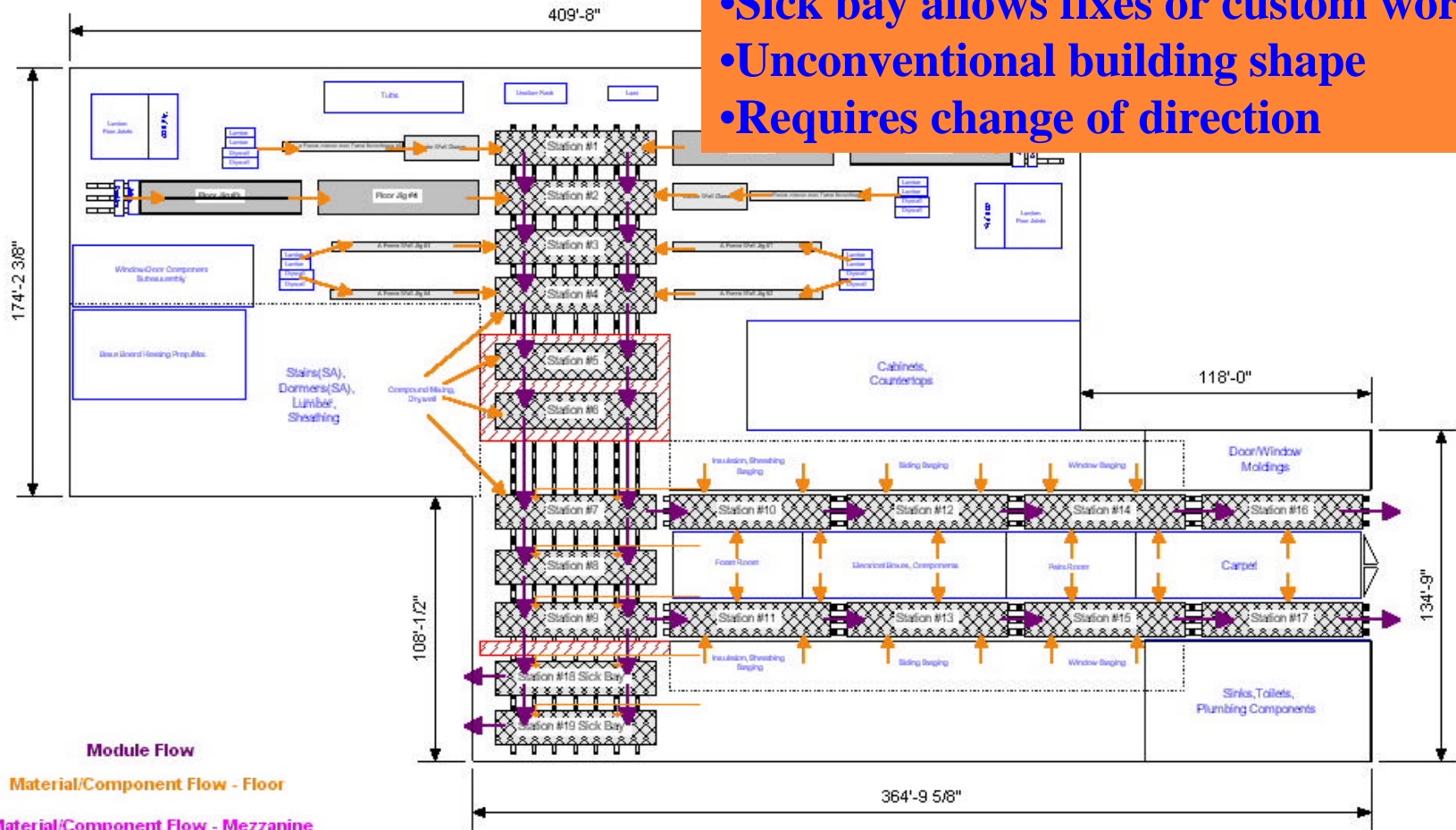
Total Catwalk Space : 4,511 ft.

DESCRIPTION	TITLE
VERSION SHOT_GUN PLANT LAYOUT	SHOT_GUN
SCALE	DRAWN BY
1:840	JOSE A. GONZALEZ



# L\_Layout, Floor

- Good access to roof - no catwalks
- Good access to exterior & interior
- 1/2 module moves after turn
- Sick bay allows fixes or custom work
- Unconventional building shape
- Requires change of direction



**Module Flow**

**Material/Component Flow - Floor**

**Material/Component Flow - Mezzanine**

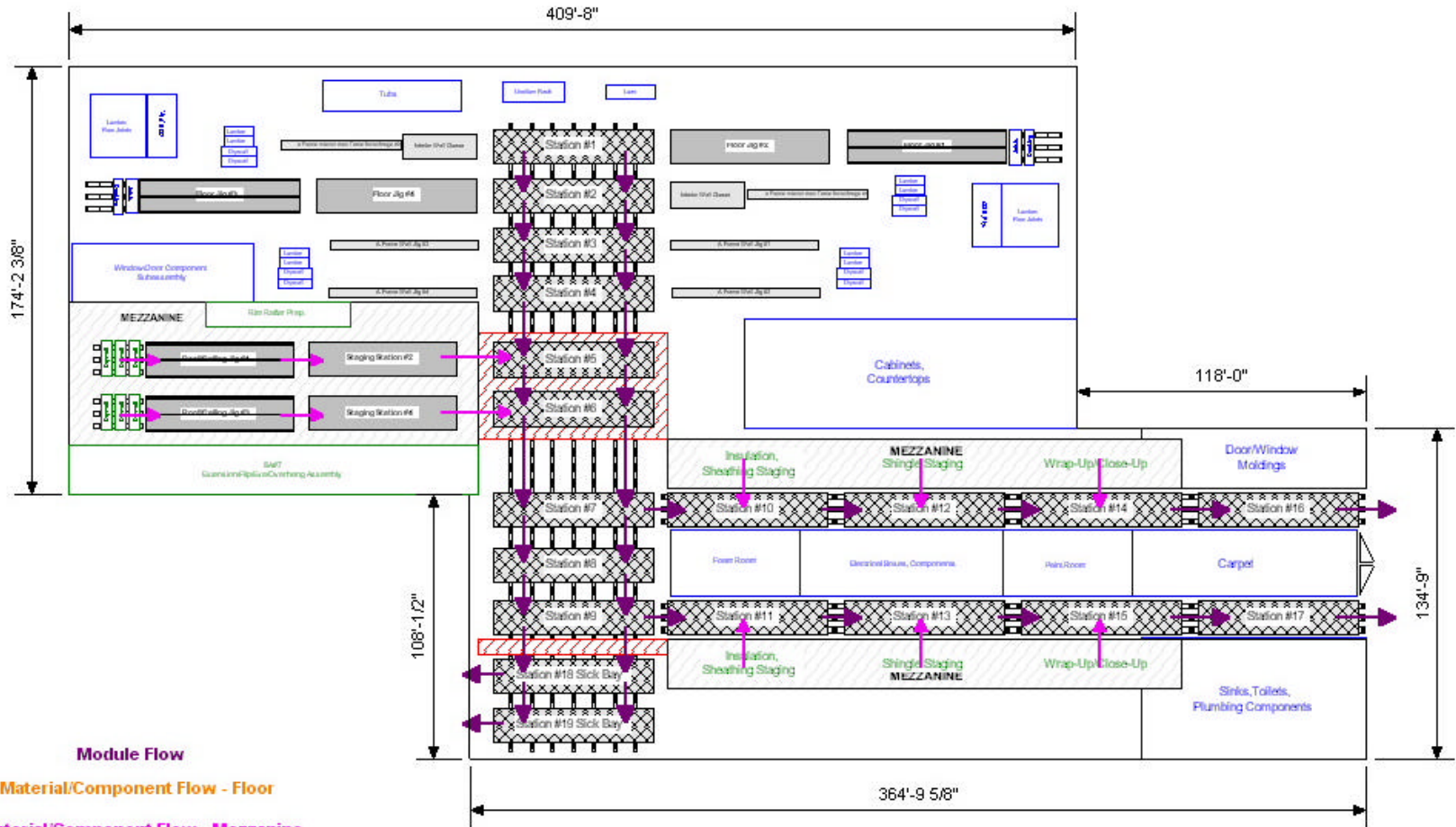
**Total Floor Space : 113,946 ft.**

**Total Mezzanine Space : 21,308 ft.**

**Total Catwalk Space : 1,953 ft.**

DESCRIPTION	TITLE
VERSION L_LAYOUT PLANT LAYOUT	L_LAYOUT
SCALE	DRAWN BY
1:720	JOSE A. GONZALEZ

# L\_Layout, Mezzanine



**Module Flow**

**Material/Component Flow - Floor**

**Material/Component Flow - Mezzanine**

**Total Floor Space : 113,946 ft.**

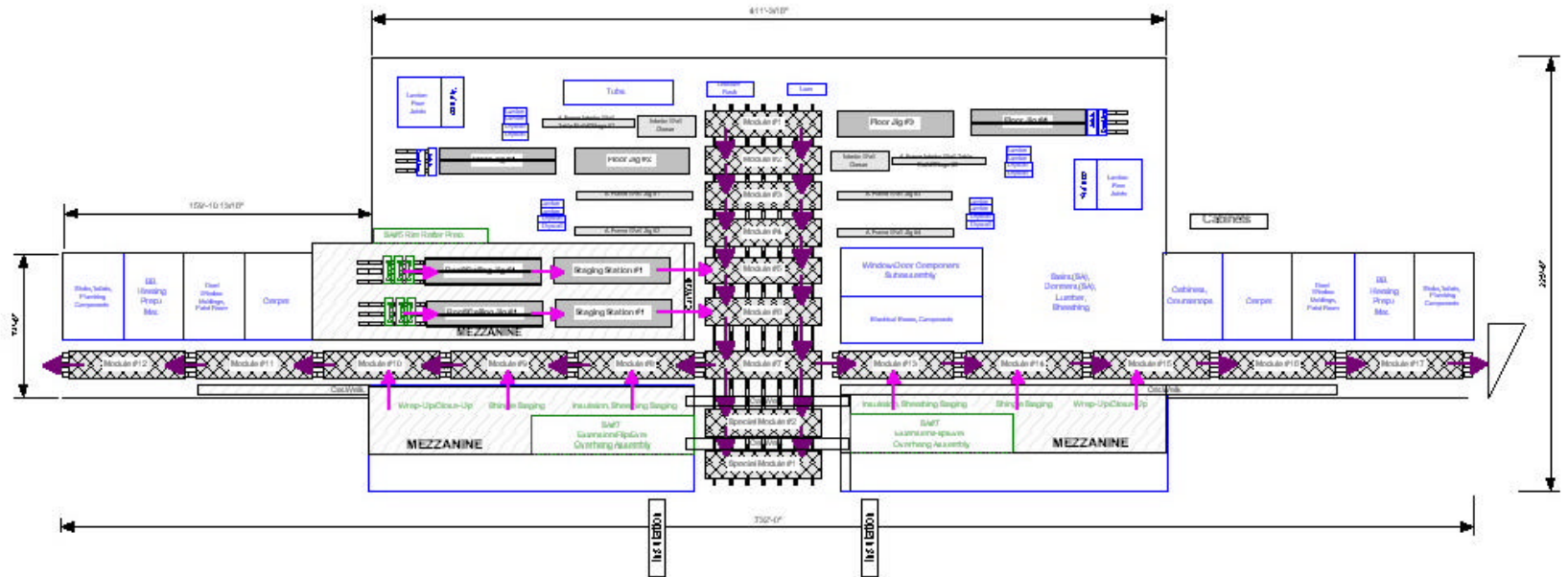
**Total Mezzanine Space : 21,308 ft.**

**Total Catwalk Space : 1,953 ft.**

DESCRIPTION	TITLE
VERSION L_LAYOUT PLANT LAYOUT	L_LAYOUT
SCALE	DRAWN BY
1/20	JOSE A. GONZALEZ



# T\_Layout, Mezzanine



## Module Flow

Material/Component Flow - Floor

Material/Component Flow - Mezzanine

Total Space Requirement: 116,315 ft.<sup>2</sup>

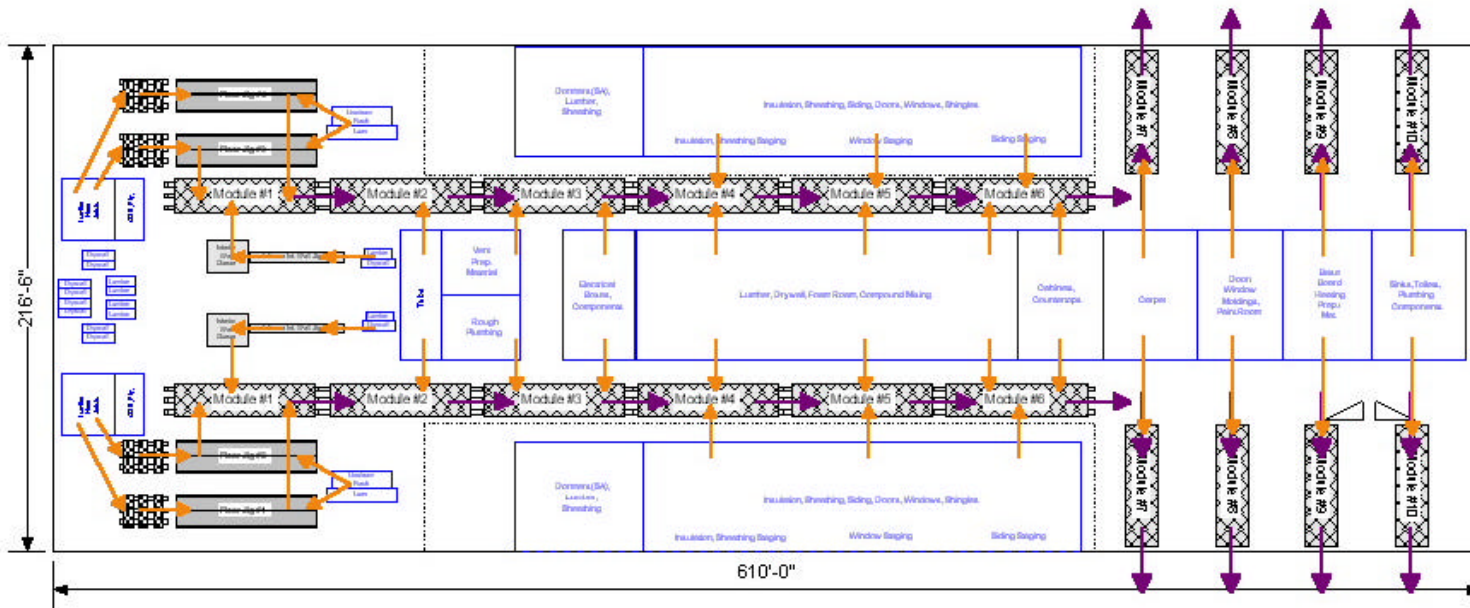
Total Mezzanine Space : 19,790 ft.<sup>2</sup>

Total Catwalk Space : 3,910 ft.<sup>2</sup>

DESCRIPTION	TITLE
VERSION DIAGONAL_T PLANT LAYOUT	T_LAYOUT
SCALE	DRAWN BY
1:980	JOSE A. GONZALEZ

# Building Village, Floor

- Good access to roof - no catwalks
- Fair access to exterior & interior
- No module moves required in village
- Village ideal for custom finish work
- Requires repositioning in village
- Move people & materials to modules



Module Flow

Material/Component Flow - Floor

Material/Component Flow - Mezzanine

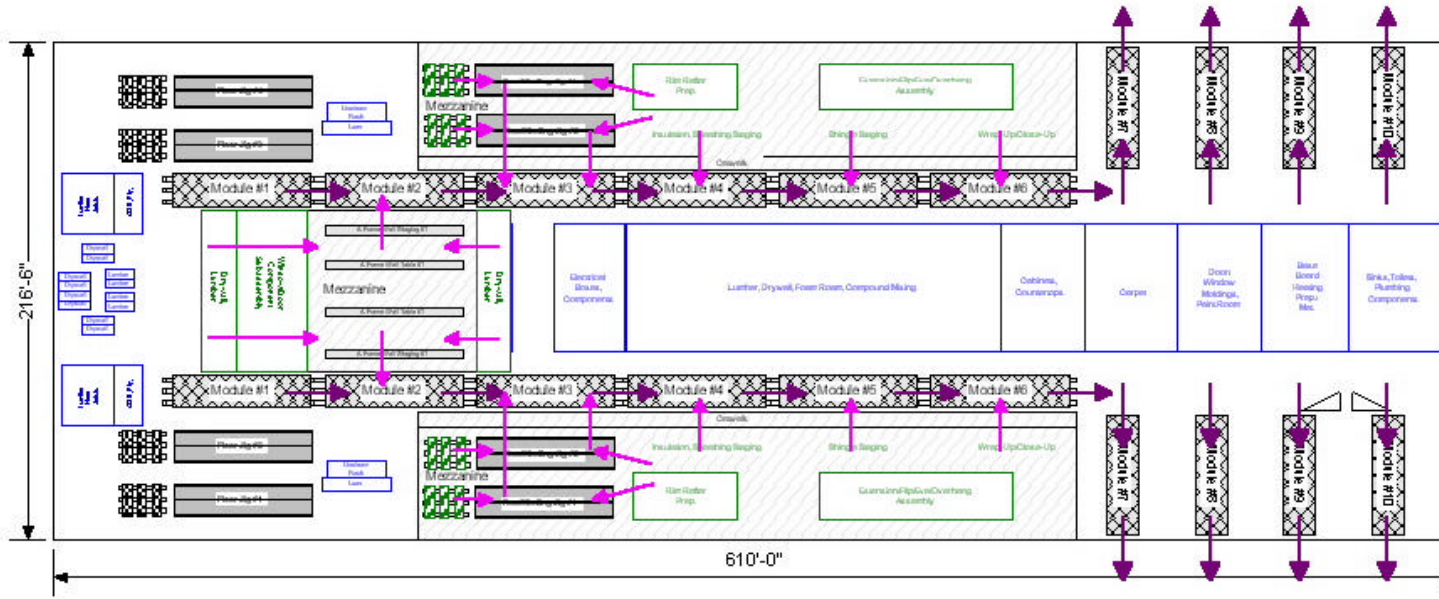
Total Floor Space : 132,370 ft.

Total Mezzanine Space : 37,576 ft.

Total Catwalk Space : 3,444 ft.

DESCRIPTION	TITLE
VERSION BUILDING VILLAGE PLANT LAYOUT	BUILDING VILLAGE
SCALE	DRAWN BY
1:840	JOSE A. GONZALEZ

# Building Village, Mezzanine



**Module Flow**

**Material/Component Flow - Floor**

**Material/Component Flow - Mezzanine**

**Total Floor Space : 132,370 ft.**

**Total Mezzanine Space : 37,576 ft.**

**Total Catwalk Space : 3,444 ft.**

DESCRIPTION	TITLE
VERSION BUILDING VILLAGE PLANT LAYOUT	BUILDING VILLAGE
SCALE	DRAWN BY
1:840	JOSE A. GONZALEZ