

## ICCU Plaza

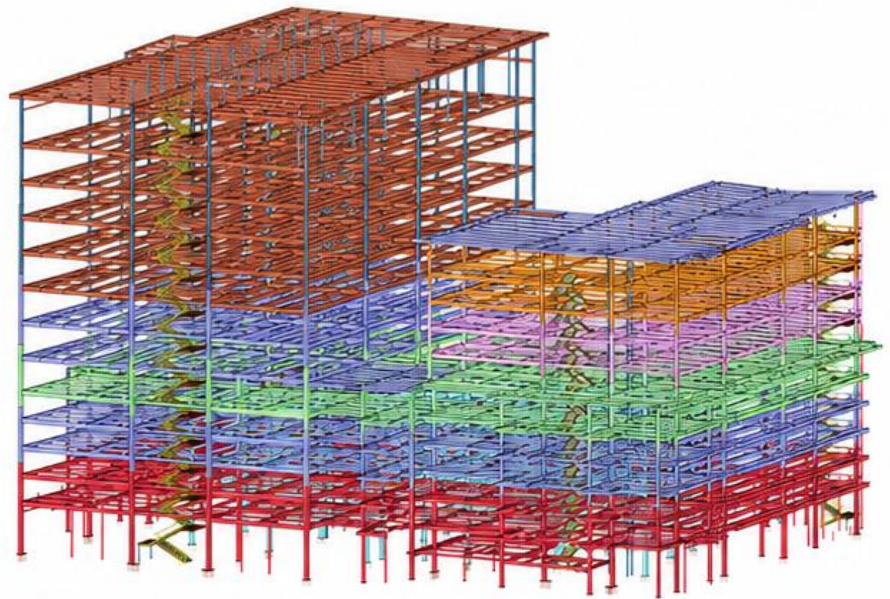
Commercial Steel Detailing Case Study



Boise, ID



Commercial



ICCU Plaza is a commercial steel detailing project in Boise, Idaho. The scope includes gravity columns base plates and anchor bolts, BRB column base plates and anchor bolts, main steel framing, mechanical well framing, roof framing, elevator pit grate, BRB connections, safety posts with cable and clamps, screen wall framing, and miscellaneous steel including Stair Towers 01 through 04 and related steel.

The project required close coordination on continuous parking ramp framing from Level 1 to Level 6 and early collaboration with the BRB supplier and BRB connection designer.



**2,323**  
Tonnage



**16**  
Weeks



**Level 1–6**  
Continuous Ramp



**BRB**  
Coordination



### PROJECT SUMMARY

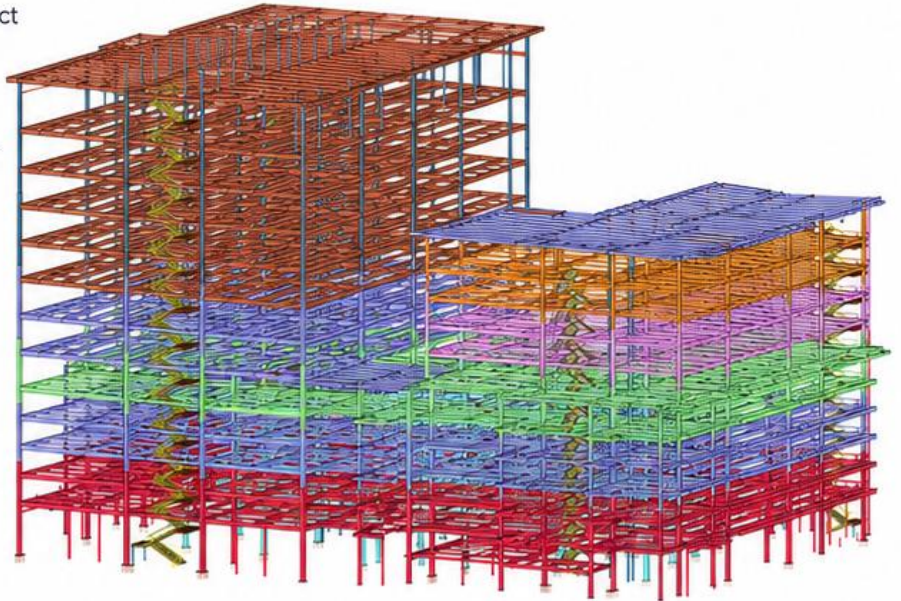
Moldtek Technologies Limited (Moldtek) provided comprehensive steel detailing services for ICCU Plaza. Our deliverables supported accurate fabrication and efficient erection through constructible models, precise documentation, and proactive coordination across all disciplines.

## PROJECT OVERVIEW

# Built for integrated commercial steel delivery.

ICCU Plaza in Boise, Idaho is a commercial project involving main steel framing, gravity columns base plates and anchor bolts, BRB column base plates and anchor bolts, mechanical well framing, roof framing, elevator pit grate, safety posts with cable and clamps, screen wall framing, and miscellaneous steel.

The project includes a continuous parking ramp from Level 1 to Level 6 and required early coordination with the BRB supplier.



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TONNAGE



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COMMERCIAL



**LEVEL 1-6**  
CONTINUOUS RAMP



## PROJECT SNAPSHOT

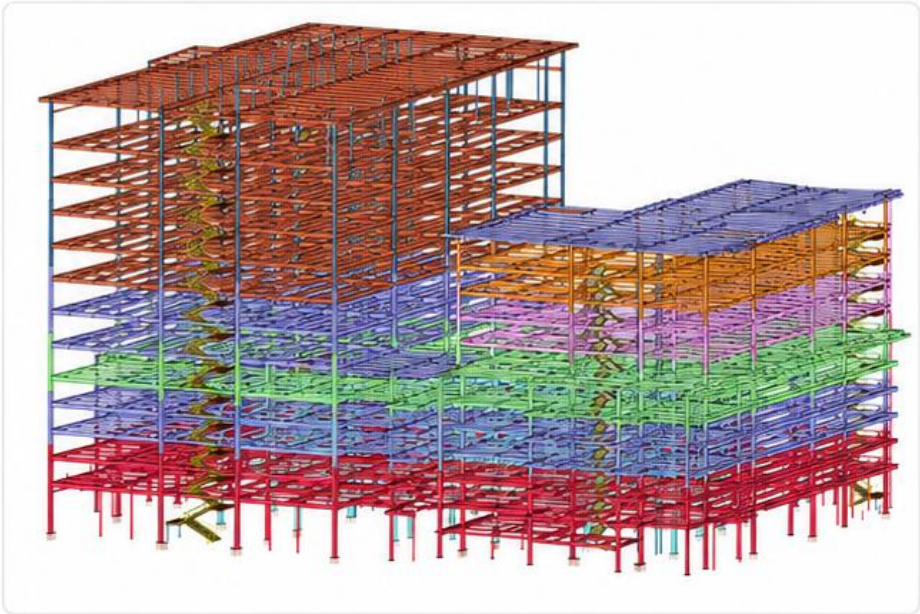
- Boise, Idaho commercial plaza
- Main and misc. steel in scope
- Continuous parking ramp framing
- BRB coordination from project start
- Stair towers and related steel



SCOPE OF WORK

Scope of work across primary steel, BRB interfaces and support steel.

Moldtek delivered comprehensive steel detailing coverage for ICCU Plaza. The scope includes primary structural steel, BRB system interfaces, and all associated support steel to ensure a constructible, coordinated, and code-compliant structure.



01 Gravity columns base plates & anchor bolts

Detailed base plates and anchor bolts for all gravity columns with accurate dimensions and bolt layouts.



02 BRB columns base plates & anchor bolts

Base plate and anchor bolt detailing for BRB columns with stiffener, weld, and bolt configuration per design requirements.



03 Main steel framing

Complete 3D modeling and detailing of beams, girders, joists, and columns including connections and splice details.



04 Mechanical well and roof framing

Steel framing for mechanical well and roof structures including beams, joists, supports, and connection details.



05 Elevator pit grate and screen wall framing

Framing for elevator pit grates and screen walls with support members and attachment details.



06 Miscellaneous steel including Stair Towers 01–04, safety posts, cable and clamps.

Detailing of stair towers, safety posts, handrails, cable & clamps, and other miscellaneous steel elements.



2,323 tons of steel



16 week schedule



Commercial use



Misc. steel included

OUR DELIVERY APPROACH

01



Review project scope

02



Plan detailing packages

03



Model steel and interfaces

04



Coordinate BRB / ramp conditions

05



Release shop-ready drawings

## COORDINATION CHALLENGES

# Managing ramp framing and BRB coordination across a fast-track programme.

Complex geometry, BRB integration, and multiple framing types required proactive coordination, early alignment, and seamless information flow across all stakeholders.



### 01 Continuous ramp geometry from Level 1 to Level 6

Maintaining consistent slope, clearances, and structural performance across all levels.

### 02 Coordination with BRB connection designer

Aligning connection interfaces, member sizes, and tolerances to ensure seamless integration.

### 03 Early alignment with BRB supplier

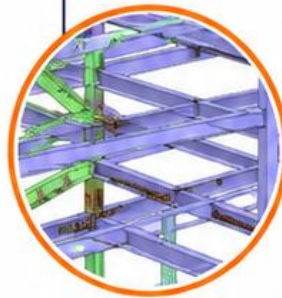
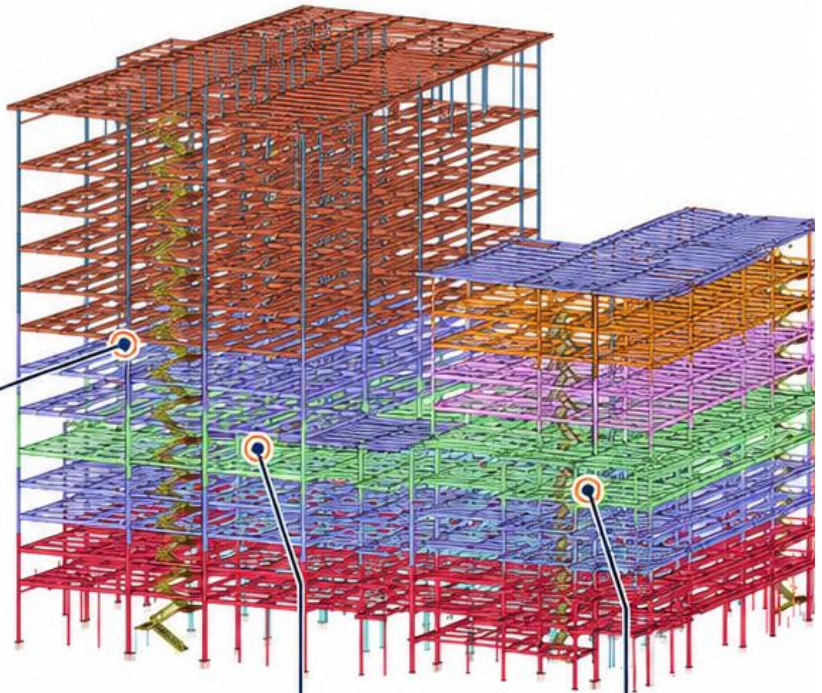
Sharing models and drawings early to confirm requirements and avoid late-stage rework.

### 04 Multiple framing types including misc. steel and roof framing

Managing diverse member types and connections within a single coordinated model.

### 05 Accurate base plate and anchor bolt detailing

Ensuring correct dimensions, bolt layouts, and embedment for fabrication and construction.



#### Continuous parking ramp framing

Coordinated continuous ramps from Level 1 to Level 6 with consistent slope, clearances, and structural performance.



#### BRB connection interface

Integrated BRB layouts with precise connection interfaces and clear coordination with the BRB connection designer.



#### Support steel integration

Coordinated support steel, base plates, and anchor bolts to align with structural and architectural requirements.



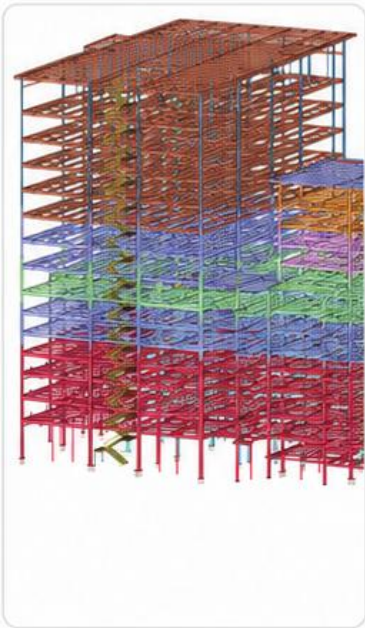
### Proactive coordination. Early engagement. On-time delivery.

By aligning with the BRB connection designer and supplier early, and managing continuous ramp and support steel details proactively, we minimized clashes, reduced RFIs, and kept the detailing package on track within the fast-track programme.

DELIVERY FRAMEWORK

Coordinated detailing support across a 16-week programme.

Moldtek supported ICCU Plaza with a focused 16-week detailing programme covering all structural steel scope. Our workflow aligned main steel framing, BRB interfaces, and continuous ramp framing, while ensuring model accuracy, clash-free coordination, and constructible detailing. Through structured reviews, issue resolution, and milestone-based releases, we delivered shop-ready drawings and models on schedule and to the highest quality standards.





**2,323**  
TONNAGE



**16**  
WEEKS



**LEVEL 1-6**  
RAMP



**BRB**  
COORDINATION



**Main steel**

- Complete main steel framing from Level 01 to Level 06.
- Columns, beams, braces and secondary steel.
- Accurate connection detailing and member schedules.



**Ramp framing**

- Continuous parking ramp framing from Level 1 to Level 6.
- Precise geometry, elevations, and slopes.
- Seamless integration with main steel.



**Model coordination**

- BRB integration and connection detailing.
- Clash detection and clearance validation.
- Coordination with architectural, MEP, and concrete models.



**Drawing release**

- Stage-wise reviews and issue resolution.
- QA/QC at every milestone.
- Timely release of shop drawings, models, and reports.

SCHEDULE LENS – 16 WEEK PROGRAMME

**01**



**Kickoff**  
Week 0

**02**



**Inputs**  
Weeks 1-2

**03**



**Modelling**  
Weeks 3-6

**04**



**Coordination**  
Weeks 7-10

**05**



**QA/QC + revisions**  
Weeks 11-13

**06**



**Release-ready output**  
Weeks 14-16



**VALUE DELIVERED**



Clear detailing scope for a 2,323-ton package



Strong BRB and ramp coordination



Accurate shop-ready deliverables



Support for efficient fabrication and erection