Rapid City Regional Airport
Agenda

- Schematic Design Goals
- Airport Studies and Discussion
  - TSA Checkpoint
  - Checked Baggage / Loading Zone
  - Ticketing
  - Concourse
  - Car Rental / Baggage Claim
  - Administration
- Schedule / Next Steps
Overall Concourse Level

- TSA Checkpoint
- Checked Baggage / Loading Zone
- Ticketing
- Concourse
- Car Rental / Baggage Claim
- Administration
Schematic Design Goals
Schematic Design End Goals

- Generate an interior and exterior sense of place
- Explore and refine plans, elevations, and sections
- Coordinate Mechanical, Electrical, and Plumbing direction
- Confirm design performance objectives
- Explore structural layouts and conventions for expansion
- Align Concept Design report with budgeting goals
TSA Security Checkpoint
TSA Security Checkpoint
Ticketing / Baggage Screening
Baggage Handling
Baggage Handling

Step 1

- Temporary conveyor (installed when phase one is complete)

Step 2

- Future phase
- Existing concourse above
- Baggage handling
- Shipping/receiving
- Existing circulation
- Ticketing
- LG-LG
- Temp. admin., and/or future ticketing expansion (shown)
Ticketing - Arrival & Placemaking
Ticketing

- 7,200 SF of ATO Spaces (9 x 800 SF)
- 32 x 3’-0” ticketing counters
- 12,000 SF Queueing Space
- 2,000 SF Mechanical Space
- Loading Zone
- Secure Circulation
Concourse

✈ Concourse Level
- Program / Concessions
- Seating Configuration
- Massing of Exterior

✈ Apron Level
- Usage of this area
  - Mechanical / Electrical
  - Offices
  - Ground crew support space
  - Storage
- Vertical circulation
Car Rental / Baggage Claim
Car Rental / Baggage Claim

✈️ Car rental programming
  ▸ Right sizing of ticketing counters and quantities
  ▸ Layout Options

✈️ Baggage claim programming

✈️ Massing
Car Rental
Administration Offices
Administration Office Studies
Thank You!
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**Concourse Expansion**

- Meeting Options Retirement
- Building Envelope Studies
- Energy Studies
- Structural System
- HVAC System Studies
- Concourse Programming
- Apron Programming

**Checked Baggage**

- PDGS Compliant System vs In Line
- Refine Building Plans

**Ticketing**

- Ticketing Layout
- ATO Programming

**Rental Car**

- Structure System Study
- Programming

**Admin Offices / Existing Landside Concessions**

- Programming

**TSA Checkpoint**

- Shift Equipment
- Support Space Layout

**AIRPORT**

- a) SCHEMATIC KICKOFF MEETING
- b) PROJECT MEETING 1
- c) PROJECT MEETING 2
- d) PROJECT MEETING 3
- s) COST ESTIMATE

**DESIGN TEAM**

- 30x42 CONCEPT DESIGN SET
- 11x17 UPDATED REPORT
- UPDATED COST ESTIMATE

**DELIVERABLE**