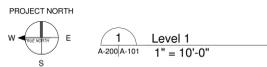
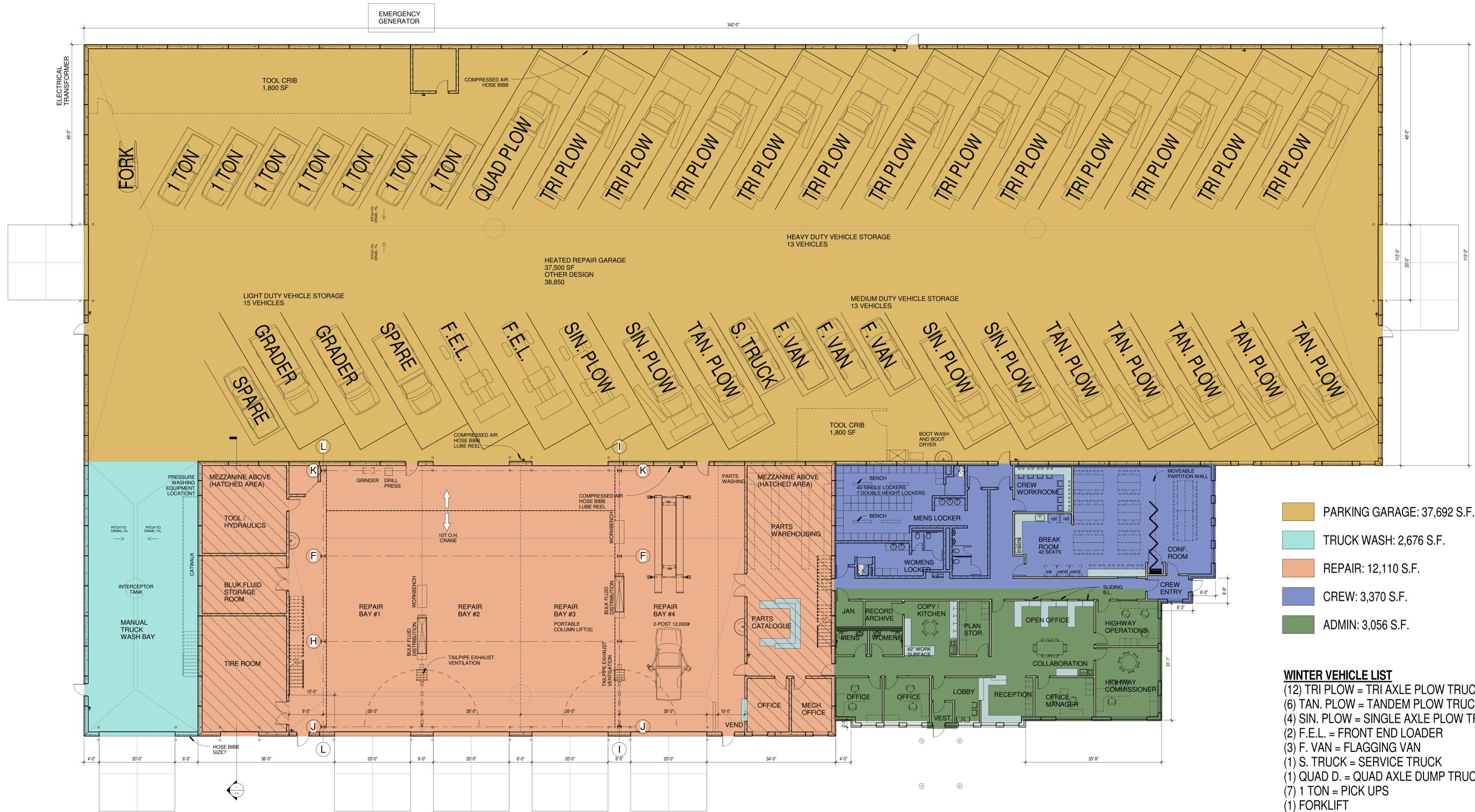


**58,904 SF GROSS SQUARE FEET**  
**3,240 SF MEZZANINE (NOT INCLUDED IN GSF)**



STRUCTURAL PRECAST EXTERIOR WALLS  
 FOR VEHICLE GARAGE MANUAL TRUCK  
 WASH BAY AND REPAIR GARAGE



EMERGENCY GENERATOR

TOOL CRIB  
1,800 SF

COMPRESSED AIR  
HOSE BIBB

LIGHT DUTY VEHICLE STORAGE  
15 VEHICLES

HEATED REPAIR GARAGE  
37,500 SF  
OTHER DESIGN  
38,850

HEAVY DUTY VEHICLE STORAGE  
13 VEHICLES

MEDIUM DUTY VEHICLE STORAGE  
13 VEHICLES

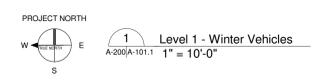
TOOL CRIB  
1,800 SF

BOOT WASH  
AND BOOT  
DRYER

- PARKING GARAGE: 37,692 S.F.
- TRUCK WASH: 2,676 S.F.
- REPAIR: 12,110 S.F.
- CREW: 3,370 S.F.
- ADMIN: 3,056 S.F.

- WINTER VEHICLE LIST**
- (12) TRI PLOW = TRI AXLE PLOW TRUCK
  - (6) TAN. PLOW = TANDEM PLOW TRUCK
  - (4) SIN. PLOW = SINGLE AXLE PLOW TRUCK
  - (2) F.E.L. = FRONT END LOADER
  - (3) F. VAN = FLAGGING VAN
  - (1) S. TRUCK = SERVICE TRUCK
  - (1) QUAD D. = QUAD AXLE DUMP TRUCK
  - (7) 1 TON = PICK UPS
  - (1) FORKLIFT
  - (2) GRADER WITH WINGS

58,904 SF GROSS SQUARE FEET  
3,240 SF MEZZANINE (NOT INCLUDED IN GSF)

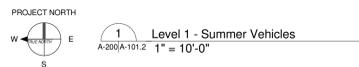


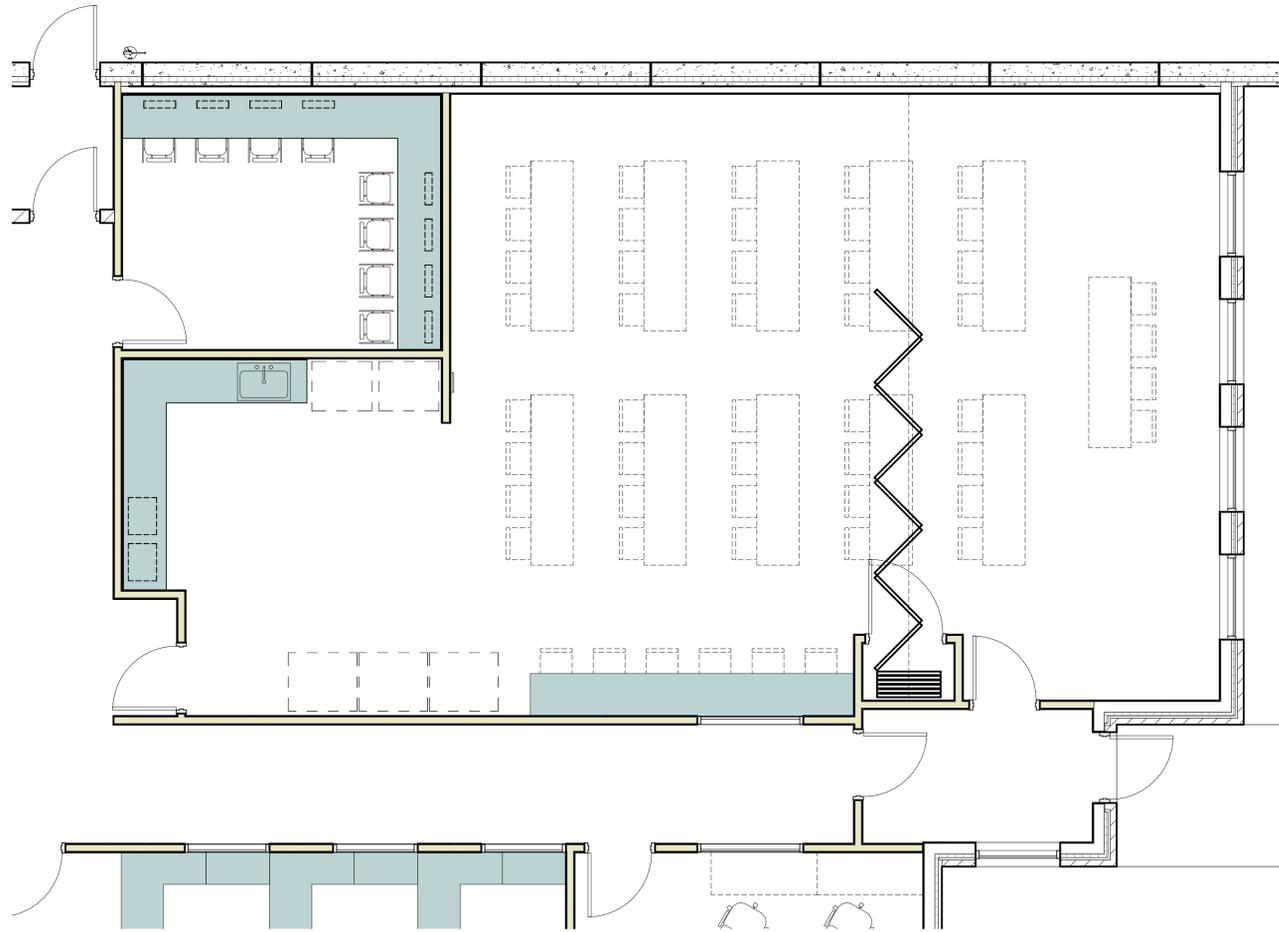


- PARKING GARAGE: 38,132 S.F.
- TRUCK WASH: 2,236 S.F.
- REPAIR: 12,118 S.F.
- CREW: 3,368 S.F.
- ADMIN: 3,110 S.F.

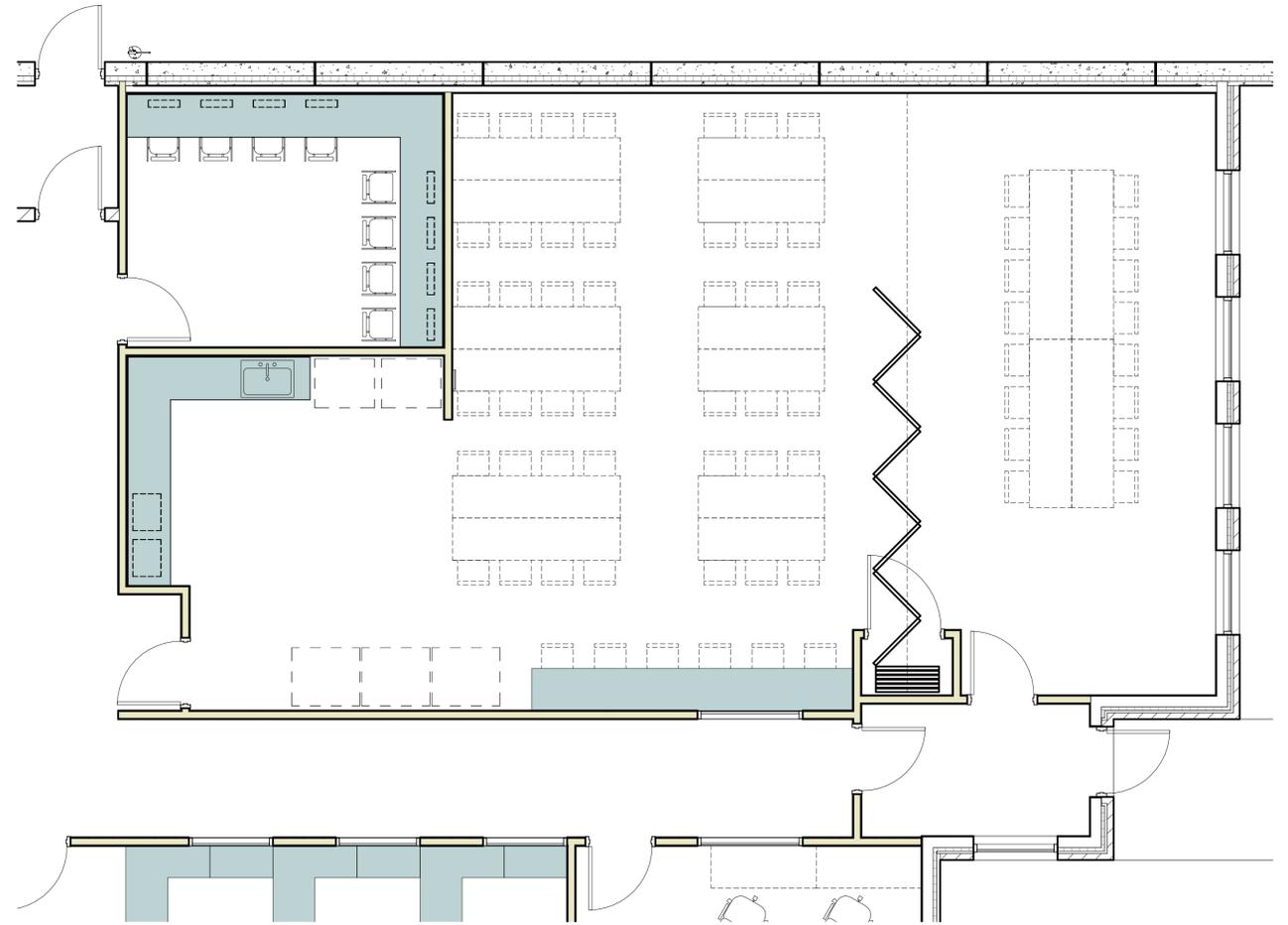
- SUMMER VEHICLE LIST**
- (12) TRI PLOW = TRI AXLE PLOW TRUCK
  - (5) TAN. PLOW = TANDEM PLOW TRUCK
  - (4) SIN. PLOW = SINGLE AXLE PLOW TRUCK
  - (1) F.E.L. = FRONT END LOADER
  - (3) F. VAN = FLAGGING VAN
  - (1) S. TRUCK = SERVICE TRUCK
  - (1) QUAD D. = QUAD AXLE DUMP TRUCK
  - (7) 1 TON = PICK UPS
  - (1) FORKLIFT

**58,964 SF GROSS SQUARE FEET**  
**3,240 SF MEZZANINE (NOT INCLUDED IN GSF)**





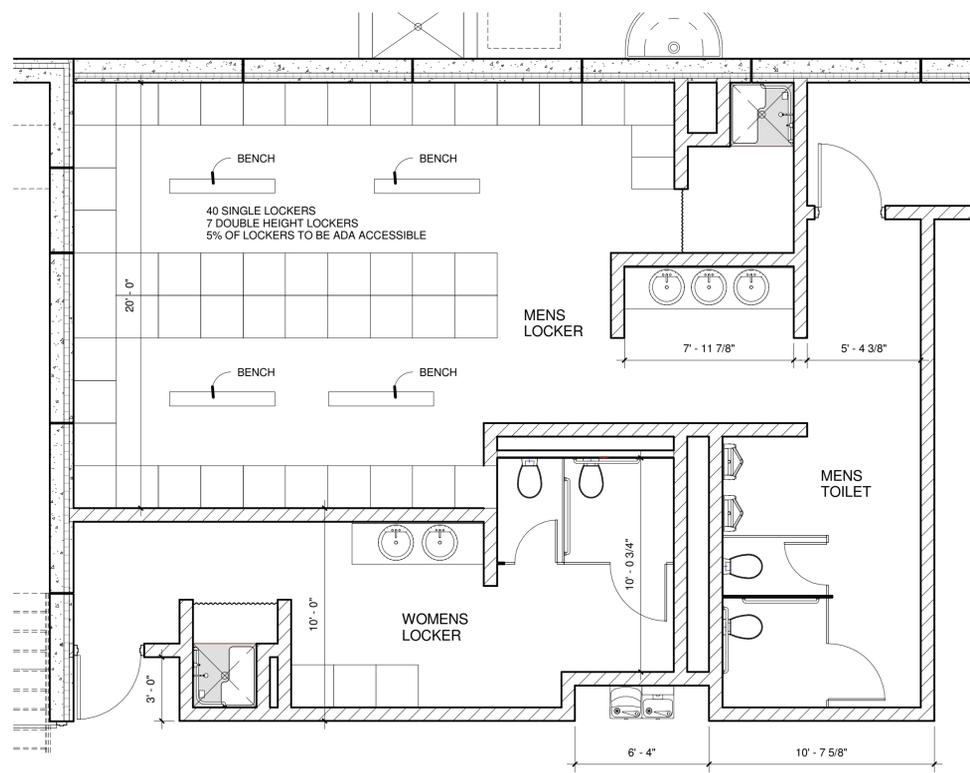
2 Break Room - Training Setup  
A-101/A-102.1 1/4" = 1'-0"



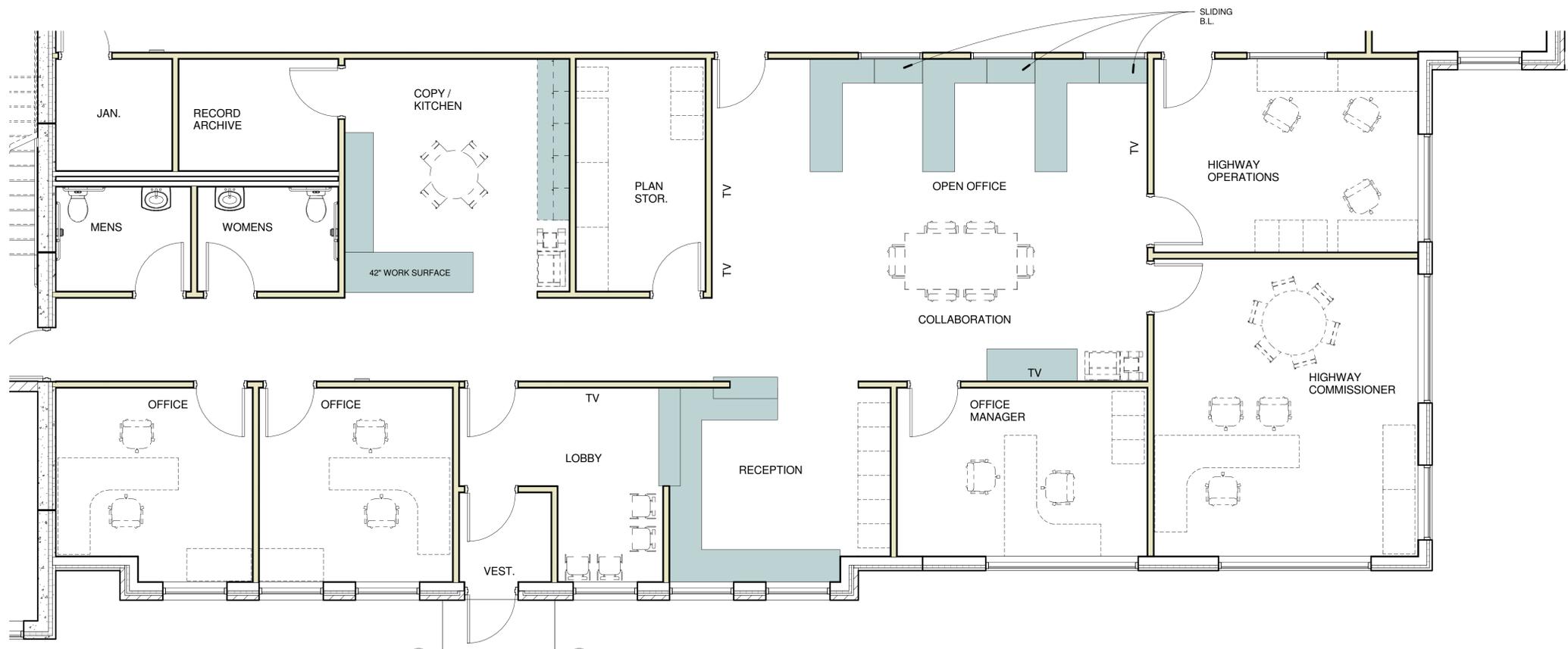
1 Break Room - Lunch / Conference Setup  
A-101/A-102.1 1/4" = 1'-0"

# POLK COUNTY HIGHWAY GARAGE DESIGN DEVELOPMENT

7/18/2017



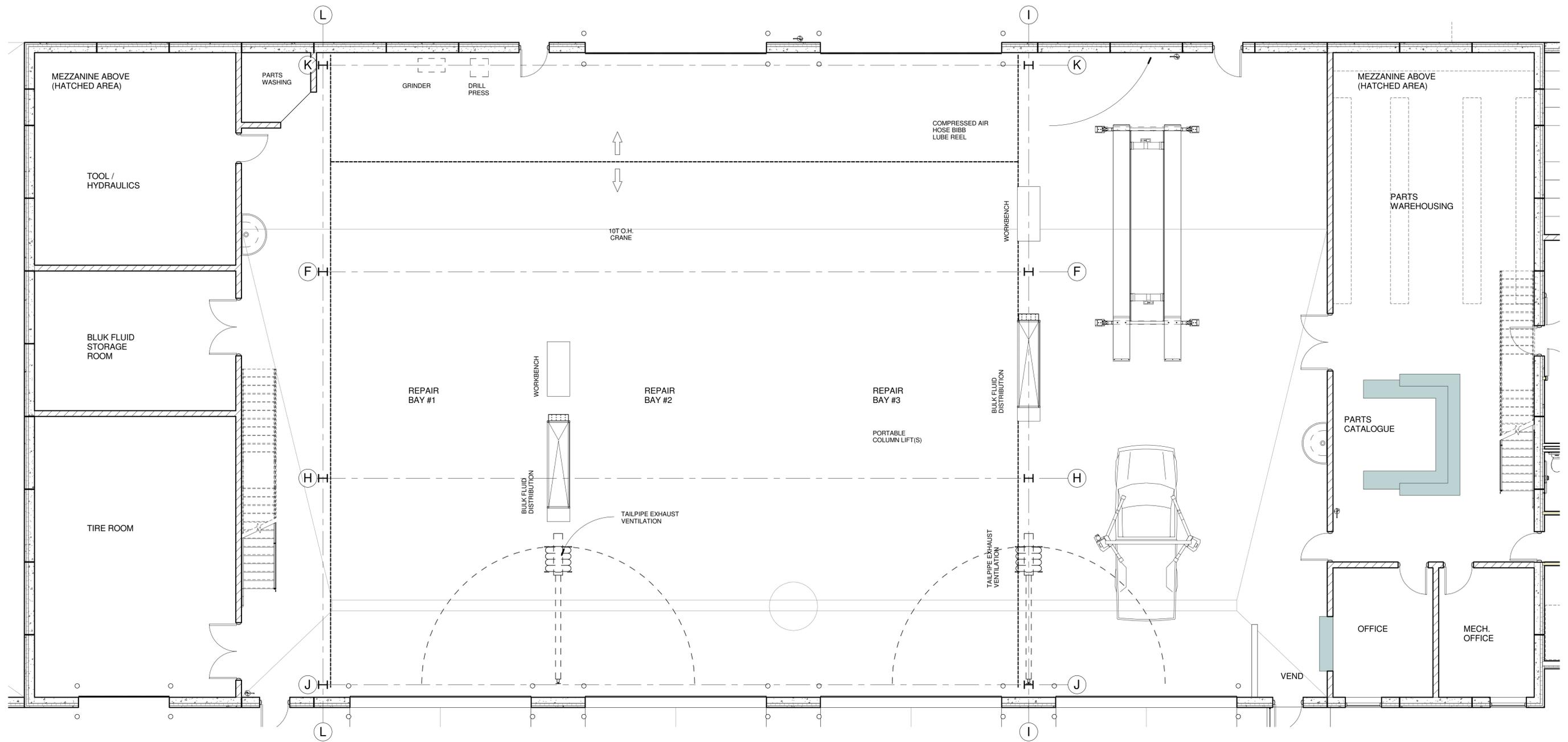
2 ENLARGED PLAN - LOCKER ROOMS  
A-101/A-102.2 1/4" = 1'-0"



1 ENLARGED PLAN - OFFICE  
A-101/A-102.2 1/4" = 1'-0"

# POLK COUNTY HIGHWAY GARAGE DESIGN DEVELOPMENT

7/18/2017



1 ENLARGED PLAN - REPAIR SHOP  
 A-101A-102.3 3/16" = 1'-0"

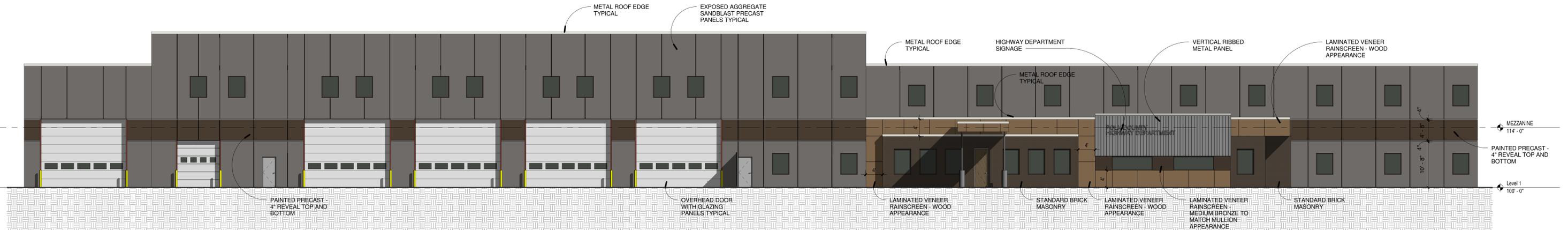
# POLK COUNTY HIGHWAY GARAGE DESIGN DEVELOPMENT

7/18/2017

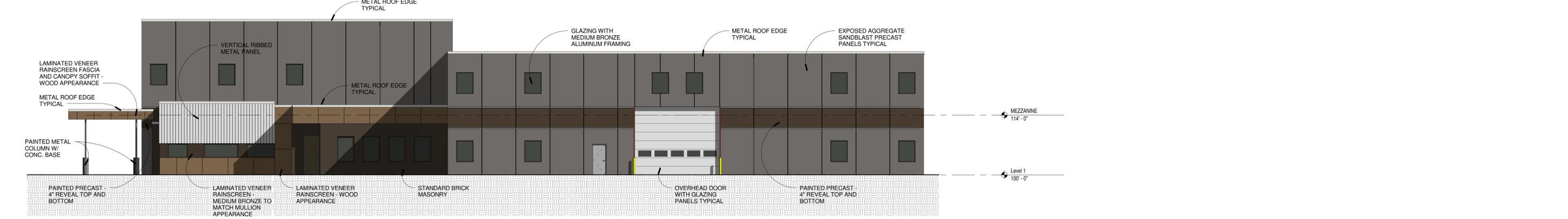


# POLK COUNTY HIGHWAY GARAGE DESIGN DEVELOPMENT

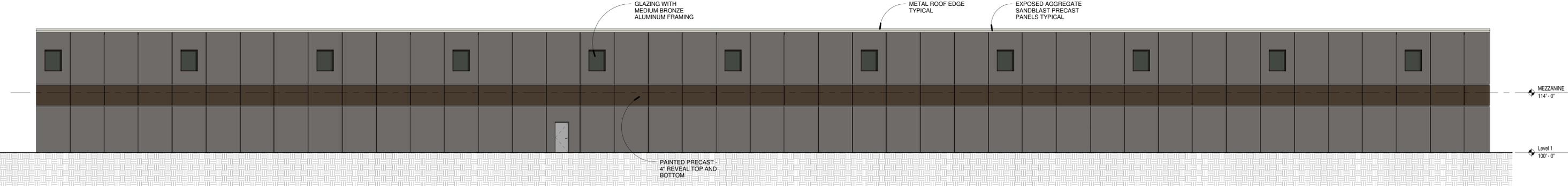
7/18/2017



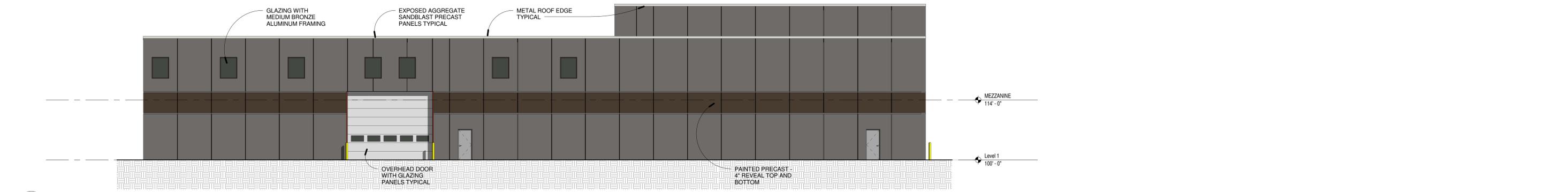
1 East Elevation  
A-101/A-200 3/32" = 1'-0"



2 South Elevation  
A-101/A-200 3/32" = 1'-0"



3 North  
A-101/A-200 3/32" = 1'-0"



4 West  
A-101/A-200 3/32" = 1'-0"

# POLK COUNTY HIGHWAY GARAGE DESIGN DEVELOPMENT

7/18/2017



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205 West Highland Avenue, Suite 303  
Milwaukee, WI 53203  
office: 414-271-1812  
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CONSULTANT

PROJECT TITLE AND LOCATION

**POLK COUNTY HIGHWAY GARAGE**

818 LOON DRIVE  
BALSAM LAKE, WI 54810

REVISIONS NO.	DATE	DESCRIPTION

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SET TYPE  
DESIGN DEVELOPMENT

BARRIERITOS DESIGN PROJECT NUMBER  
50746

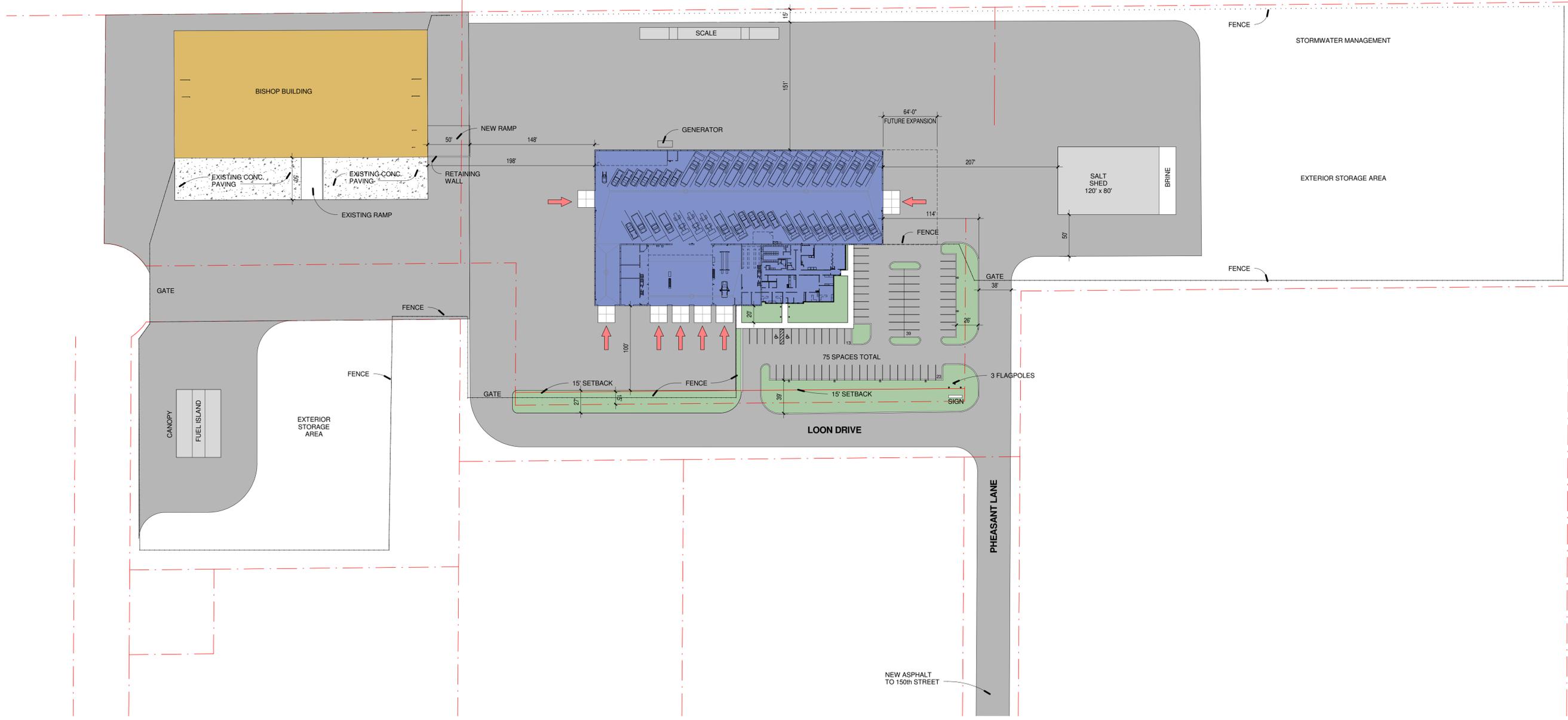
DATE  
7/18/2017

SHEET TITLE  
ARCHITECTURAL SITE PLAN

SHEET

**AS-100**

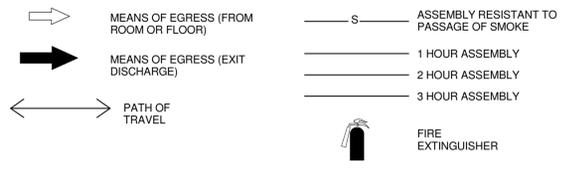
NOT FOR CONSTRUCTION



1 ARCHITECTURAL SITE PLAN  
A-200/AS-100 1" = 60'-0"



**LIFE SAFETY KEY**



**PROJECT CODE SUMMARY**

<b>NEW CONSTRUCTION</b>	WI TRANSACTION ID: 2976356. SITE ID 840687	<b>OCCUPANCY LOADS</b>	<b>AREA</b>	<b>PER TABLE 1004.1.1</b>	<b>OCCUPANTS</b>
<b>APPLICABLE BUILDING CODES:</b>	IBC 2009, IECC 2009, ANSI A117.1-2003, NFPA 13	<b>BUSINESS AREA</b>	5,192 SF	100 SF GROSS / OCCUPANT	52
<b>OCCUPANCY CLASSIFICATIONS:</b>	TYPE B: BUSINESS TYPE S-1: REPAIR GARAGE TYPE S-2: PARKING GARAGE / WAREHOUSE	<b>LOCKER AREA</b>	1,191 SF	50 SF GROSS / OCCUPANT	24
<b>CONSTRUCTION CLASSIFICATION</b>	TYPE IIB CONSTRUCTION	<b>INDUSTRIAL AREAS</b>	8,744 SF	100 SF GROSS / OCCUPANT	88
<b>BUILDING AREA</b>	'B' OCCUPANCY 6,377 S.F. 'S-1' 8,744 S.F. 'S-2' 43,817 S.F. <b>TOTAL 58,938 S.F.</b>	<b>WAREHOUSE AREA</b>	3,328 SF	500 SF GROSS / OCCUPANT	7
<b>ALLOWABLE BUILDING AREA</b>	S-1 OCCUPANCY IS MOST RESTRICTIVE: 17,500 S.F. PER FLOOR PER TABLE 503, TYPE S-1 OCCUPANCY 35,000 S.F. + AREA INCREASE DUE TO SPRINKLER - 200% ADDITIONAL INCREASE PER 506.3 13,125 S.F. + AREA INCREASE DUE TO FRONTAGES - 75% ADDITIONAL INCREASE PER 506.2 65,625 S.F. ALLOWED	<b>PARKING GARAGE</b>	40,545 SF	200 SF GROSS / OCCUPANT	203
<b>MULTIPLE OCCUPANCIES</b>	NONSEPARATED OCCUPANCIES PER IBC 508.3 S-1 OCCUPANCY IS MOST RESTRICTIVE PER TABLE 503 PER 508.3.2.2 ALLOWABLE HEIGHT AND AREA BASED ON MOST RESTRICTIVE USE -MAX ALLOWED HEIGHT IS 55', BUILDING HEIGHT IS 36' -MAX ALLOWED AREA IS 65,625 SF, BUILDING AREA IS 58,938 SF	<b>TOTAL OCCUPANTS</b>			<b>374</b>
<b>TABLE 601 / 602 REQUIREMENTS</b>	ALL BUILDING ELEMENTS 0 HR	<b>EXIT ACCESS TRAVEL DISTANCE</b>	PER TABLE 1016.1 (SPRINKLERED)	'B' OCCUPANCY 300FT 'S-1' OCCUPANCY 400FT 'S-2' OCCUPANCY 250FT	
<b>SPRINKLER INFORMATION</b>	NEW CONSTRUCTION: FULLY SPRINKLERED PER NFPA 13	<b>COMMON PATH OF EGRESS TRAVEL</b>	PER 1014.3 EXCEPTION, 100FT		
<b>NUMBER OF STORIES</b>	ONE STORY, 36'-0" BUILDING HEIGHT	<b>ROOMS WITH ONE EXIT</b>	PER TABLE 1015.1	FOR 'B' OCCUPANCY - LESS THAN 49 OCCUPANTS FOR 'S' OCCUPANCY - LESS THAN 29 OCCUPANTS	
		<b>DEAD END CORRIDORS</b>	TYPE 'S' ALLOWED UP TO 20' TYPE 'B' ALLOWED UP TO 50'		
		<b>PLUMBING FIXTURES</b>	PER TABLE 2902.1 187 MALES 187 FEMALES 3 WATER CLOSETS REQUIRED - MALE - 3 WATER CLOSETS AND 2 URINALS PROVIDED 3 WATER CLOSETS REQUIRED - FEMALE - 3 WATER CLOSETS PROVIDED 3 LAVATORIES REQUIRED - MALE - 4 LAVATORIES PROVIDED 3 LAVATORIES REQUIRED - FEMALE - 3 LAVATORIES PROVIDED 2 DRINKING FOUNTAINS REQUIRED - 2 DRINKING FOUNTAINS PROVIDED 1 SERVICE SINK REQUIRED - 1 SERVICE SINK PROVIDED		



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CONSULTANT  
PROJECT TITLE AND LOCATION

**POLK COUNTY HIGHWAY GARAGE**  
818 LOON DRIVE  
BALSAM LAKE, WI 54810

REVISIONS	NO.	DATE	DESCRIPTION

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SET TYPE  
**DESIGN DEVELOPMENT**

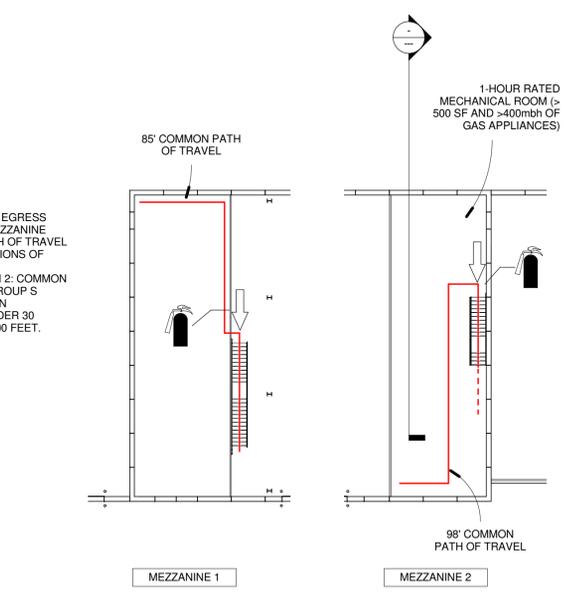
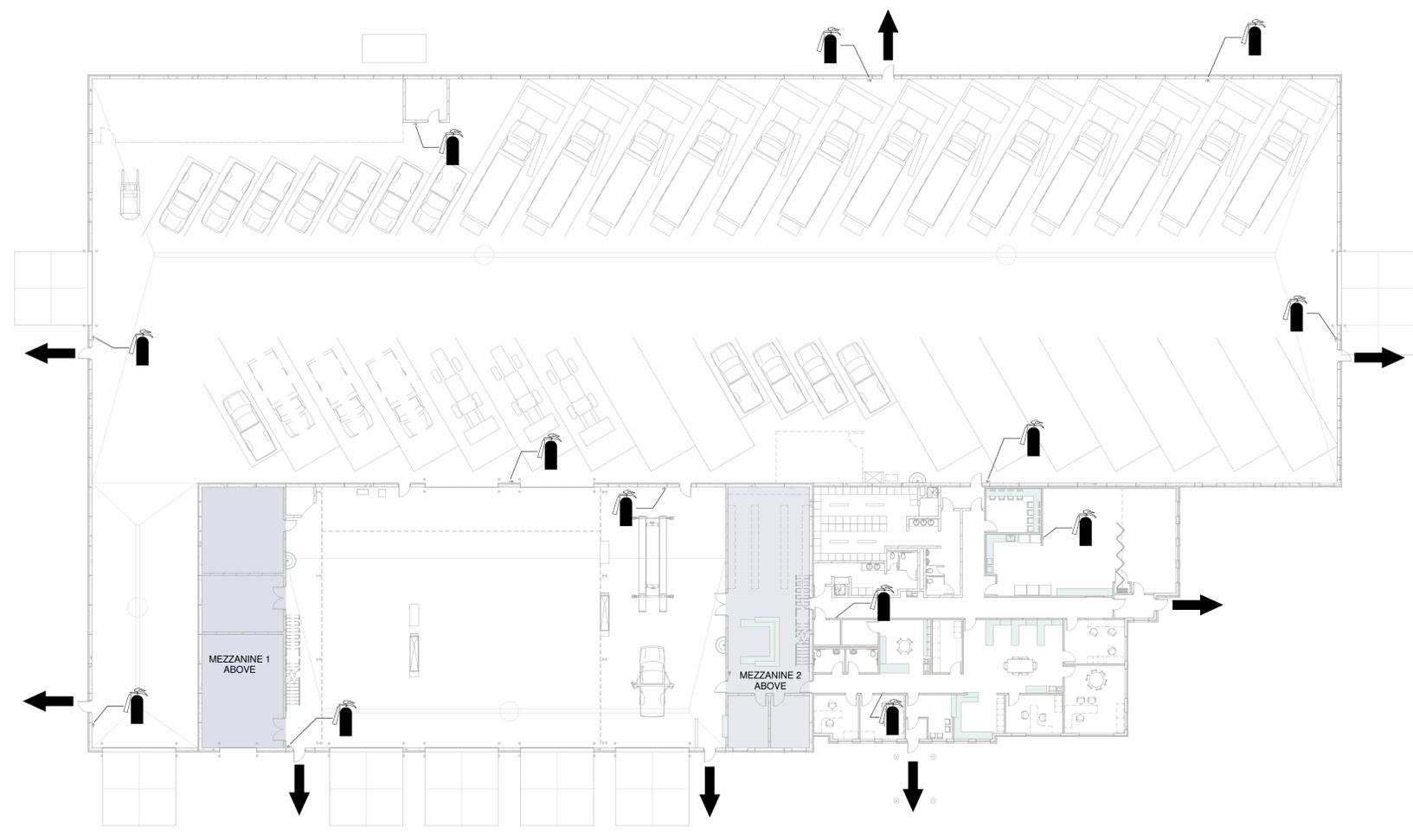
BARRIERITOS DESIGN PROJECT NUMBER  
**50746**

DATE  
**7/18/2017**

SHEET TITLE  
**LIFE SAFETY**

SHEET

**G-100**  
NOT FOR CONSTRUCTION



- IBC 505.3.2 MEANS OF EGRESS REQUIRED FROM A MEZZANINE WHERE COMMON PATH OF TRAVEL EXCEEDS THE LIMITATIONS OF SECTION 1014.3.
- IBC 1014.3, EXCEPTION 2: COMMON PATH OF TRAVEL IN GROUP S OCCUPANCIES WITH AN OCCUPANT LOAD UNDER 30 SHALL NOT EXCEED 100 FEET.

**2** CODE PLAN - MEZZANINE LEVEL  
A-200/G-100 1" = 20'-0"

**1** CODE PLAN - FIRST FLOOR  
A-200/G-100 1" = 20'-0"

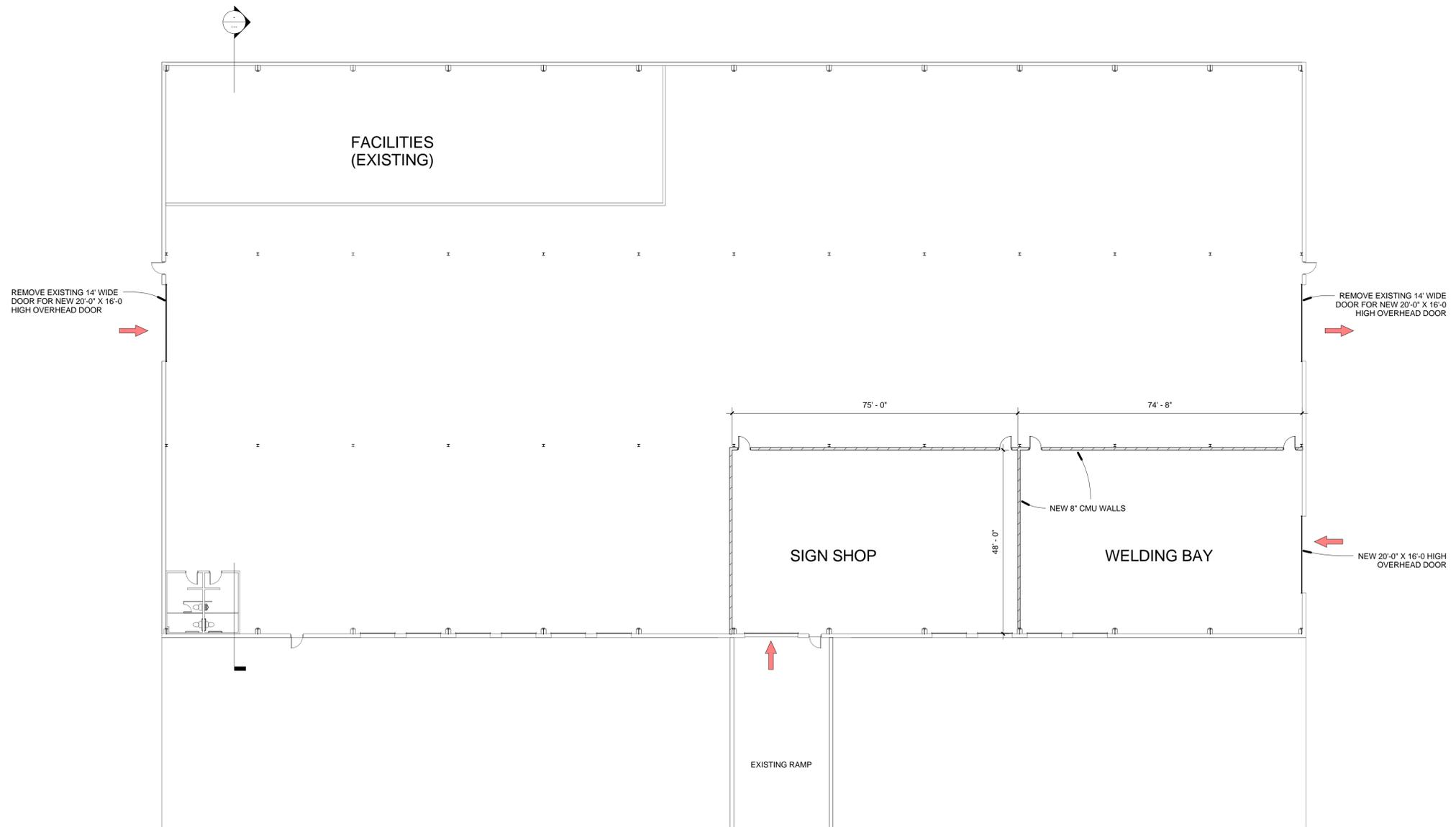


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CONSULTANT

PROJECT TITLE AND LOCATION



**POLK COUNTY - BISHOP BUILDING  
RENOVATION**  
814 LOON DRIVE  
BALSAM LAKE, WI 54810

NO.	DATE	DESCRIPTION

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SET TYPE  
CONSTRUCTION

BARRIENTOS DESIGN PROJECT NUMBER  
50746

DATE  
7/18/2017

SHEET TITLE  
FIRST FLOOR PLAN

SHEET

**B-101**

NOT FOR CONSTRUCTION

1 BISHOP BUILDING FLOOR PLAN  
1/16" = 1'-0"

