

DEVELOPMENT PLANS FOR THE PROPOSED WHIRLYBALL BLOOMINGTON, MN



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SHEET NO.	
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C300	EROSION AND SEDIMENT CONTROL PLAN
C400	UTILITY PLAN
C450	SITE AND PAVING PLAN
C460	OVERALL SITE PLAN
C500	CIVIL DETAILS
C501	CIVIL DETAILS
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E101	OVERALL PHOTOMETRIC SITE PLAN
L1.0	PLANTING REFERENCE PLAN
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L1.2	PLANTING PLAN - SOUTH AREA
L1.3	PLANTING MATERIALS SCHEDULE
L3.0	SITE DETAILS

[illegible]

CIVIL ENGINEERING:
ANDREW BERENBERG
VAA, LLC
2300 BERKSHIRE LANE #200
PLYMOUTH, MN 55441
(763) 587-7323

**ISSUED FOR
CONSTRUCTION**





GRADING NOTES

1. ALL EXISTING INFORMATION TAKEN FROM SURVEY BY SUNDE LAND SURVEYING PROJECT NUMBER 2016-136, DATED 11/01/2016. BACKGROUND SURVEY ON THESE DRAWINGS IS FOR REFERENCE ONLY. REFER TO CERTIFIED SURVEY AS THE BASIS FOR ALL PROJECT WORK.
2. SUBSURFACE GEOTECHNICAL INVESTIGATION BY PROFESSIONAL SERVICE INDUSTRIES, INC. PROJECT NUMBER 0675926, DATED 11/01/2016.
3. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS INCLUDING LOCATIONS OF EXISTING PUBLIC AND PRIVATE UTILITIES, AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO STARTING CONSTRUCTION.
4. ALL EXISTING UTILITIES AND OTHER IMPROVEMENTS ARE TO REMAIN UNLESS NOTED OTHERWISE.
5. CONTRACTOR TO KEEP FROM DAMAGE ALL EXISTING IMPROVEMENTS, LANDSCAPING, STRUCTURES AND UTILITIES THAT ARE TO REMAIN. CONTRACTOR TO REPAIR ANY DAMAGE AT OWN EXPENSE.
6. ALL WORK TO CONFORM WITH CITY OF BLOOMINGTON AND STATE OF MINNESOTA STANDARDS AND REGULATIONS.
7. ALL EXCAVATIONS MUST COMPLY WITH THE REQUIREMENTS OF OSHA 29 CFR, PART 1926, SUBPART "P" EXCAVATIONS AND TRENCHES". THIS DOCUMENT STATES THAT EXCAVATION SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
8. CATCHBASINS AND MANHOLES ARE SHOWN ON PLAN LARGER THAN ACTUAL SIZE. COORDINATE LOCATION OF MANHOLE COVER AND CASTING SO THAT IT IS PROPERLY LOCATED AT THE BACK OF CURBLINE FOR THE CURB INLETS OR CENTERED IN THE AREA AS SHOWN ON THE PLAN FOR THE AREA DRAINS AND MANHOLE COVERS.
9. PROVIDE TRAFFIC CONTROL AT STREETS AND SIDEWALKS PER CITY OF BLOOMINGTON AND MUTMCD REQUIREMENTS.
10. ANY WORK PERFORMED OUTSIDE THE PROPERTY BOUNDARIES MUST BE APPROVED BY OWNER AND ALL REGULATING GOVERNMENT AGENCIES AND APPROPRIATE PERMITS MUST BE OBTAINED.
11. SWPPP PROVIDED BY SHOPPING CENTER, GRADING BY KFW. CONTRACTOR AND OWNER TO TRANSFER PROJECT PORTION VIA THE MPCA WEBSITE TO BE INCLUDED ON THE SWPPP.

LEGEND

- | | |
|--|--|
| | EXISTING PROPERTY LINE |
| | EXISTING EASEMENT LINE |
| | EXISTING MAJOR CONTOUR |
| | EXISTING MINOR CONTOUR |
| | PREGRADE KFW CONTOUR |
| | EXISTING STORM SEWER |
| | EXISTING SANITARY SEWER |
| | EXISTING WATERMAIN |
| | EXISTING STORM SEWER (KFW) |
| | EXISTING SANITARY SEWER (KFW) |
| | EXISTING WATERMAIN (KFW) |
| | EXISTING UNDERGROUND ELECTRIC (KFW) |
| | EXISTING UNDERGROUND ELECTRIC |
| | EXISTING UNDERGROUND COMMUNICATION |
| | EXISTING UNDERGROUND GAS (KFW) |
| | EXISTING AREA INLET / MANHOLE (KFW) |
| | EXISTING CATCHBASIN / MANHOLE |
| | EXISTING FIRE HYDRANT (KFW) |
| | EXISTING RISER (KFW) |
| | EXISTING SIGN (KFW) |
| | EXISTING TREE |
| | LIMITS OF CONSTRUCTION |
| | PROPOSED CONTOUR |
| | DENOTES SURFACE DRAINAGE |
| | PROPOSED SPOT ELEVATION |
| | PROPOSED GAS LINE (BY OTHERS) |
| | PROPOSED ELECTRICAL LINE (BY OTHERS) |
| | PROPOSED SANITARY SEWER |
| | PROPOSED HDPE STORM SEWER
ADS N-12 WT |
| | PROPOSED WATERMAIN |
| | PROPOSED MH/CB |
| | PROPOSED RETAINING WALL |
| | PROPOSED BITUMINOUS PAVEMENT |
| | PROPOSED CONCRETE SIDEWALK |
| | EXISTING CONCRETE SIDEWALK (KFW) |
| | EXISTING BITUMINOUS TRAIL (KFW) |

MANHOLE / CATCHBASIN SCHEDULE

STRUCTURE NAME:	SIZE:	CASTING:	RIM ELEVATION:	PIPES IN:	PIPES OUT
CB 101	2' X 3'	NEENAH 3067-VB	805.70		12" HDPE INV OUT =802.80
CB 104	2' X 3'	NEENAH 3067-VB	805.29		12" HDPE INV OUT =802.40
CB 201	48"	NEENAH 3067-VB	806.80	12" HDPE INV IN =803.15	12" HDPE INV OUT =803.15
CB 202	2' X 3'	NEENAH 3067-VB	806.40		12" HDPE INV OUT =803.50
EX-STMH 1 (BY OTHERS)	BY OTHERS	BY OTHERS	806.92	12" HDPE INV IN =802.20 24" RCP IN- PER KFW **	DISCHARGE TO CHAMBER SEE STORMTECH DRAWINGS
EX-STMH 102 (BY OTHERS)	BY OTHERS	NEENAH 3067-VB	806.30		24" RCP INV OUT =80.00
EX-STMH 200 (BY OTHERS)	BY OTHERS	NEENAH 1641	807.75	12" HDPE INV IN =802.60 24" RCP INV IN =PER KFW..	24" RCP INV OUT =PER KFW

***BY OTHERS - SEE KFW PLANS



VAA

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www.vaaeng.com
info@vaaeng.com

CLIENT:

WHIRLYBALL
13644 80TH CIRCLE NORTH
MAPLE GROVE, MN 55369



CLIENT PROJECT NO: 170002

PROJECT: WHIRLYBALL
2435 E OLD SHAKOPEE ROAD
BLOOMINGTON, MN

[illegible]

CERTIFICATION:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer under the laws of the State of Minnesota.

Signature	2018.06.22
Andrew M. Berenberg	Date
Printed name	25126
06/30/2018	Reg. No.
My license renewal date is	
11 pages	
Pages or sheets covered by this seal	

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DATE: 07/05/17		DRAWN: TSH	
DESIGNED: AMB	CHECKED: PDK	APPROVED: ---	

DRAWING TITLE:

GRADING AND DRAINAGE PLAN

PROJECT NO: 170002	DRAWING NO: C200
SCALE: AS NOTED	

SCALE:
AS NOTED

ISSUED FOR
CONSTRUCTION



UTILITY NOTES



ISSUED FOR
CONSTRUCTION

1. ALL UTILITY DEMOLITION AND/OR ABANDONMENT TO BE PERFORMED IN ACCORDANCE WITH CITY OF BLOOMINGTON AND STATE OF MINNESOTA REGULATIONS AND STANDARDS.
2. EXISTING UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS. CONTRACTOR TO FIELD VERIFY THE LOCATION OF ALL EXISTING PUBLIC AND PRIVATE UTILITIES WHICH MAY INCLUDE BUT IS NOT LIMITED TO: ELECTRIC, TELEPHONE, GAS, CABLE TV, COMPUTER CABLE, FIBER OPTIC CABLE, SANITARY SEWER, STORM SEWER AND WATERMAIN. CONTRACTOR TO CONTACT 811 BEFORE EXCAVATING.
3. REMOVE ALL SOILS AND SEDIMENTS TRACKED OR OTHERWISE DEPOSITED ONTO PUBLIC AND PRIVATE PAVEMENT AREAS. REMOVAL SHALL BE ON A DAILY BASIS THROUGHOUT THE DURATION OF THE CONSTRUCTION. CLEAN PAVED ROADWAYS BY SHOVELING OR SWEEPING. STREET WASHING IS ALLOWED ONLY AFTER SHOVELING OR SWEEPING HAS REMOVED SEDIMENT. SEE CITY OF BLOOMINGTON STANDARDS AND REGULATIONS
4. PROVIDE THE FOLLOWING MINIMUM COVER OVER THE TOP OF PIPE AS FOLLOWS:
 - A. 8" OVER WATERMAIN
 - B. 8" OVER SANITARY SEWER
 - C. 1.5' OVER STORM SEWER
5. ALL UTILITY MATERIALS TO BE PIPED. MINIMUM 8 MIL POLYWRAP ON PIPING.
6. DRIVEWAYS, UTILITIES, EROSION CONTROL, ETC. PER THE CITY OF BLOOMINGTON SPECIFICATIONS. WWW.BLOOMINGTONMN.GOV
7. SIDEWALKS TO MEET ADA REQUIREMENTS. CONSTRUCT SIDEWALK RAMPS WITH METAL TRUNCATED DOMES, WHERE REQUIRED.
8. SEE SHEETS C500-C504 FOR UTILITY DETAILS





















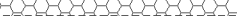
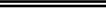

	EXISTING PROPERTY LINE
	EXISTING EASEMENT LINE
	EXISTING AREA INLET / MANHOLE (KFW)
	EXISTING CATCHBASIN / MANHOLE
	EXISTING FIRE HYDRANT (KFW)
	EXISTING RISER (KFW)
	EXISTING SIGN (KFW)
	EXISTING TREE
	PROPOSED HYDRANT
	PROPOSED WATERMAIN
	PROPOSED GAS LINE (BY OTHERS)
	PROPOSED ELECTRICAL LINE (BY OTHERS)
	PROPOSED HDPE STORM SEWER
	ADS N-12 WT
	PROPOSED MC/BC
	PROPOSED RETAINING WALL
	PROPOSED BITUMINOUS PAVEMENT
	PROPOSED CONCRETE SIDEWALK
	EXISTING CONCRETE SIDEWALK (KFW)
	EXISTING BITUMINOUS TRAIL (KFW)
	B612 TIPOUT CURB
	PROPOSED STREET LIGHTS
	CROSSWALK STRIPING, DETAIL C-5070/C50-1

SEE DETAIL SHEETS FOR CITY
OF BLOOMINGTON
INSTALLATION AND UTILITY
CONNECTION STANDARDS

UTILITY PLAN

 $1'' = 30$

LEGEND

- | | |
|---|--|
|  | EXISTING PROPERTY LINE |
|  | EXISTING EASEMENT LINE |
|  | EXISTING AREA INLET / MANHOLE (KFW) |
|  | EXISTING CATCHBASIN / MANHOLE |
|  | EXISTING FIRE HYDRANT (KFW) |
|  | EXISTING RISER (KFW) |
|  | EXISTING SIGN (KFW) |
|  | EXISTING TREE |
|  | PROPOSED HYDRANT |
|  | PROPOSED WATERMAIN |
|  | PROPOSED GAS LINE (BY OTHERS) |
|  | PROPOSED ELECTRICAL LINE (BY OTHERS) |
|  | PROPOSED HDPE STORM SEWER |
|  | ADS N-12 WVT |
|  | PROPOSED MH/CB |
|  | PROPOSED RETAINING WALL |
|  | PROPOSED BITUMINOUS PAVEMENT |
|  | PROPOSED CONCRETE SIDEWALK |
|  | EXISTING CONCRETE SIDEWALK (KFW) |
|  | EXISTING BITUMINOUS TRAIL (KFW) |
|  | B612 TIPOUT CURB |
|  | PROPOSED STREET LIGHTS |
|  | CROSSWALK STRIPING, DETAIL C-5070/C504 |

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CLIENT PROJECT NO: 170002

PROJECT: WHIRLYBALL
2435 E OLD SHAKOPEE ROAD
BLOOMINGTON, MN

[illegible]

CERTIFICATION:

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer under the laws of the State of Minnesota.

Signature Andrew M. Berenberg 2018.06.22
Date
Andrew M. Berenberg 25126
Printed name Reg. No.
06/30/2018
My license renewal date is
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DESIGNED: AMB	CHECKED: PDK	APPROVED: ---	

DRAWING TITLE

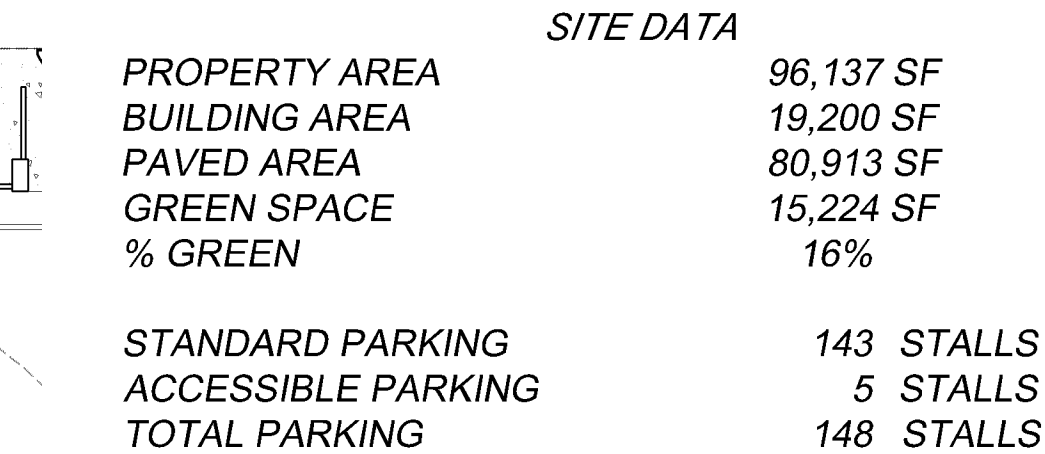
SITE AND PAVING PLAN

PROJECT NO:
170002

SCALE:
AS NOTED

DRAWING NO:

C450



ISSUED FOR
CONSTRUCTION



CLIENT:

PROJECT:

[illegible]

Signature Shirley Date 2018.06.22

Andrew M. Berenberg Printed name Date 25126

Reg. No. 06/30/2018

My license renewal date is _____

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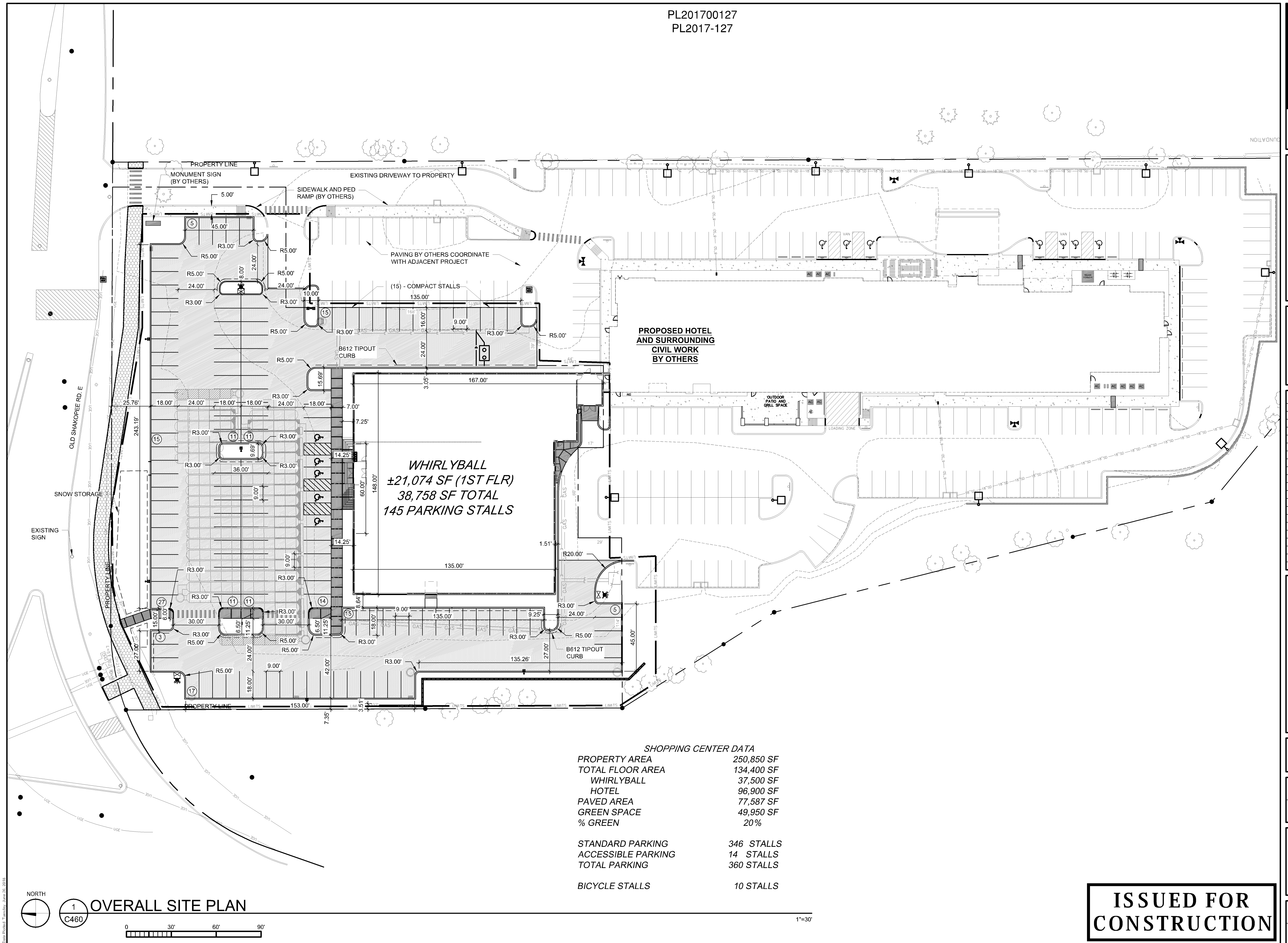
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DESIGNED: AMB	CHECKED: PDK	APPROVED: ---	

OVERALL SITE PLAN

170002

DRAWING NO:

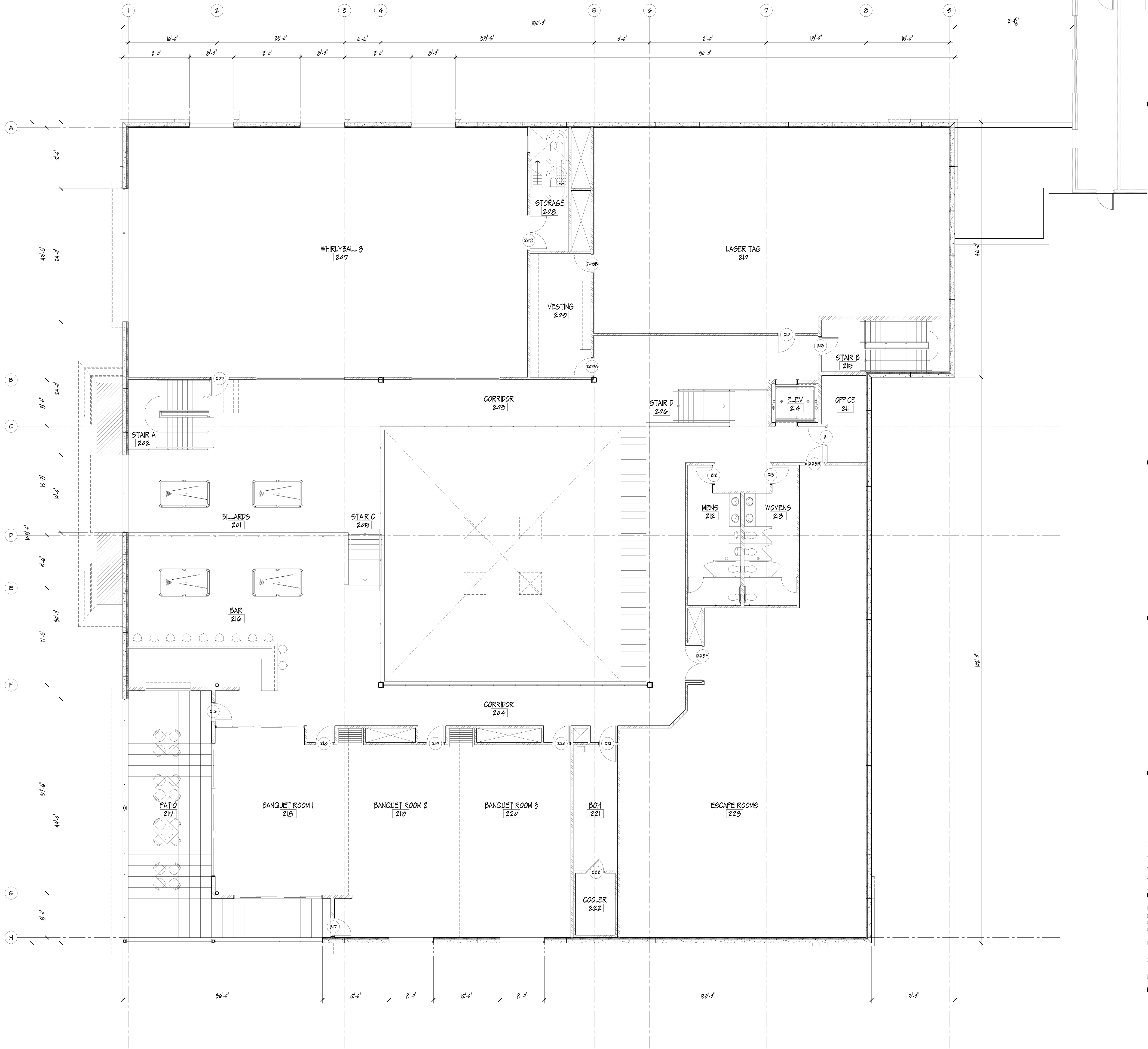
C460



PL201700127
PL2017-127



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2405 E Old Shakopee RD
Bloomington, MN

No.	Date	Revision	Description

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision, and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Printed Name: JACK AMDAL

Signature: _____

Date: - License #: 17421

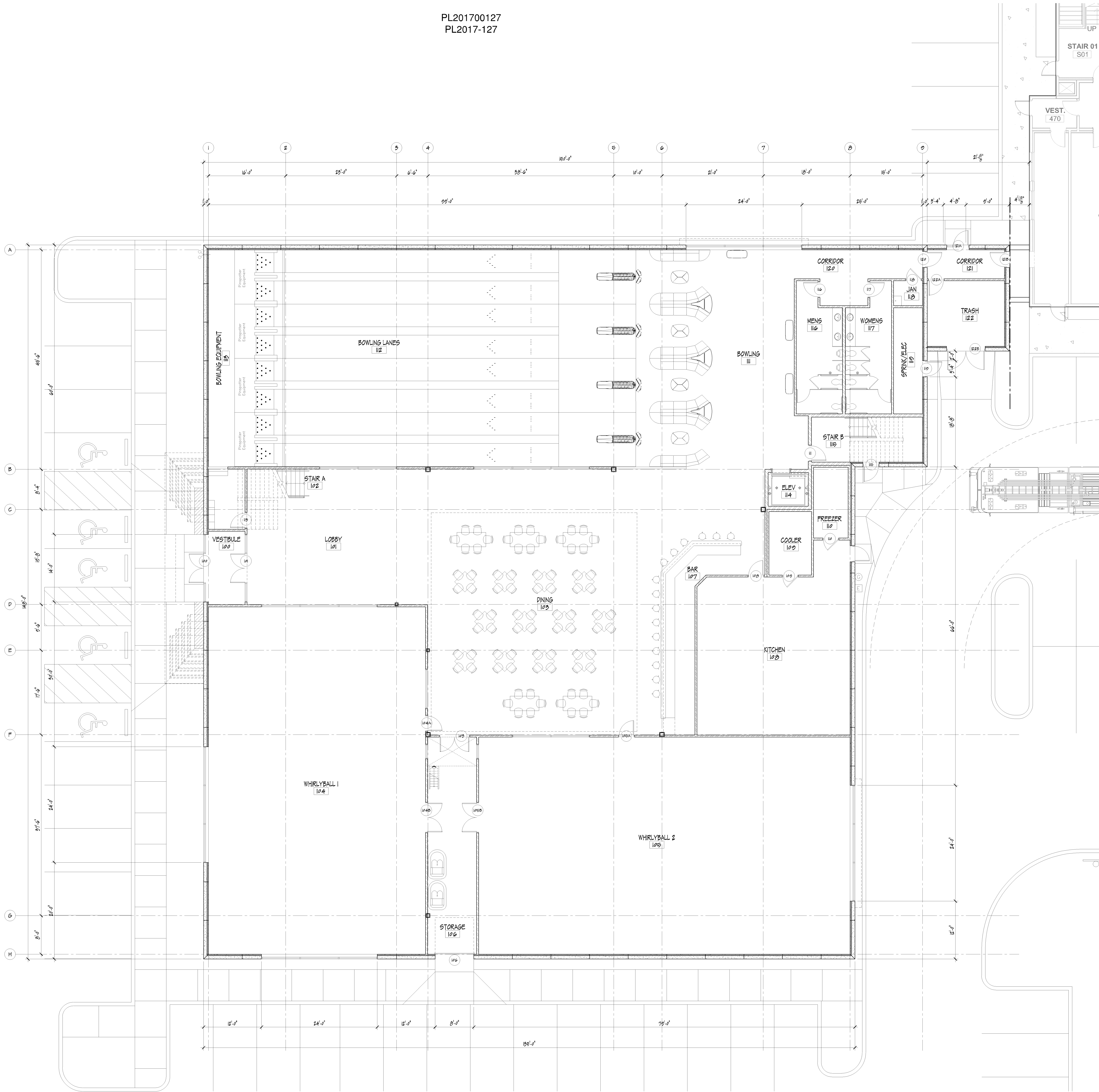
2ND FLOOR PLAN

Project - Drawing Number
Date 04-26-18 A120
Drawn by
Checked by

PL201700127
PL2017-127



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2405 E Old Shakopee RD
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No.	Date	Revision	Description

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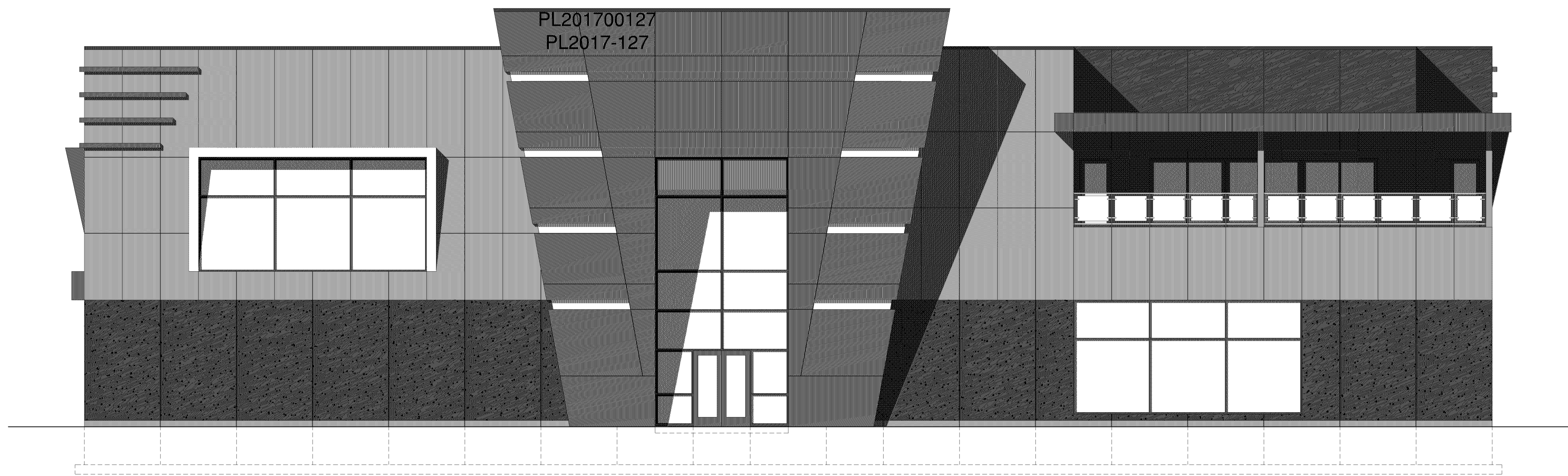
Printed Name: JACK AMDAL

Signature: _____

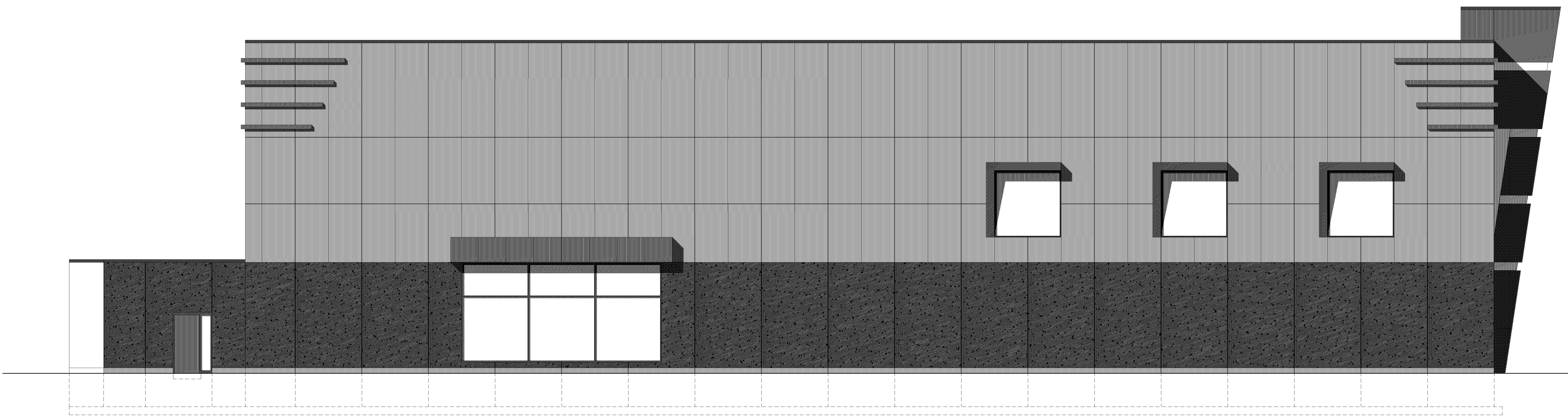
Date: - License #: 17421

1ST FLOOR PLAN

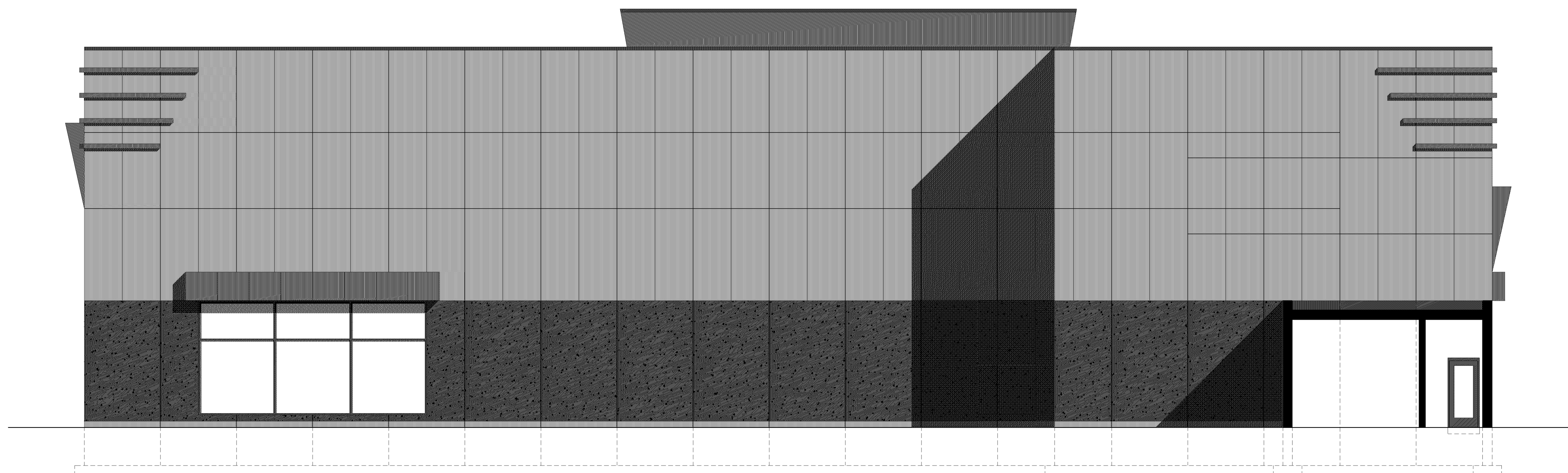
Project - Drawing Number
Date 04-26-18
Drawn by: Ailo
Checked by: _____



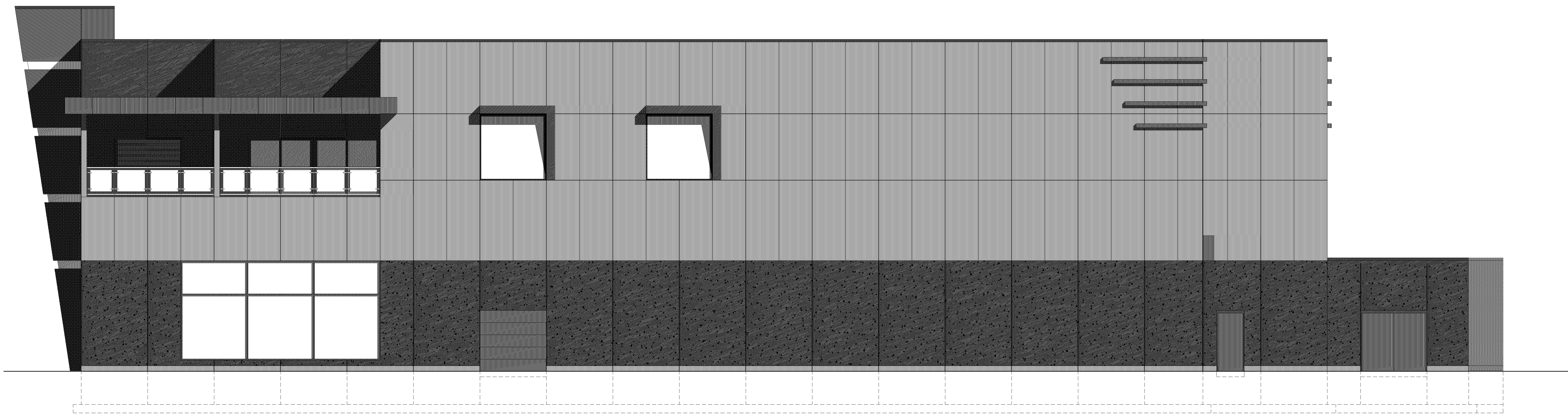
1 NORTH ELEVATION
1/8" = 1'-0"



2 EAST ELEVATION
1/8" = 1'-0"



3 SOUTH ELEVATION
1/8" = 1'-0"



4 WEST ELEVATION
1/8" = 1'-0"



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2405 E Old Shakopee RD
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No.	Date	Revision	Description

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Printed Name: JACK AMDAL

Signature: _____

Date: -- License #: 17421

ELEVATIONS

Project: -- Drawing Number: A200
Date: 04-26-18
Drawn by: _____
Checked by: _____