

CODE ANALYSIS

2018 INTERNATIONAL BUILDING CODE
OCCUPANCY A-3, B

ALLOWABLE HEIGHT & AREA FOR OCCUPANCY (A-3, B) CHAPTER 5, TABLE 503

TYPE: IB
ALLOWABLE HEIGHT = 1 STORIES
ALLOWABLE FLOOR AREA = UNLIMITED

TYPE: IB
AUTOMATIC SPRINKLER SYSTEM INCREASE PER 504.2 & 506.3
ALLOWABLE HEIGHT = 1 STORIES
ALLOWABLE FLOOR AREA = UNLIMITED

ACTUAL HEIGHT = 1 STORY
ACTUAL FLOOR AREA = 91,305 S.F.

OCCUPANT LOAD CHAPTER 10, TABLE 1004.1.1

STORAGE: 300 GROSS, 7300 S.F. / 300 = 25 OCCUPANTS
BUSINESS: 100 GROSS, 6950 S.F. / 100 = 69 OCCUPANTS
EXERCISE ROOM: 50 GROSS, 35986 S.F. / 50 = 719 OCCUPANTS
KITCHENS: 200 GROSS, 500 S.F. / 200 = 3 OCCUPANTS
MULTI-PURPOSE ROOM: 7 NET, 4896 S.F. / 7 = 699 OCCUPANTS
ACTIVITY & CRAFT ROOM: 15 NET, 6306 / 15 = 554 OCCUPANTS
INDOOR AQUATICS: 15000 S.F. -378 OCCUPANTS

TOTAL NUMBER OF OCCUPANTS: 2551

MEANS OF EGRESS CHAPTER 10

EGRESS WIDTH REQUIRED (SECTION 1005) = 1047 x 0.2 = 477.2 INCHES
WIDTH PROVIDED = 477.2 INCHES

REQUIRED NUMBER OF EXITS (TABLE 1021.1) MORE THAN 1,000 = 4 EXITS
REQUIRED
EXITS PROVIDED = 6

SECTION 1015.2.1, EXCEPTION 2 - SEPARATION OF EXITS: WHERE A BUILDING IS
EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM THE
SEPARATION DISTANCE OF THE EXIT DOORS SHALL NOT BE LESS THAN 1/3 THE
LENGTH OF THE MAXIMUM OVERALL DIAGONAL.

ALLOWED MAXIMUM EXIT ACCESS TRAVEL DISTANCE (TABLE 1016.1) = 250 FEET
PROVIDED MAXIMUM EXIT ACCESS TRAVEL DISTANCE = XXX

PLUMBING FIXTURE FOR OCCUPANCY (A-3) CHAPTER 29, TABLE 2902.1

2551 OCCUPANTS / 2 = 1276 MEN, 1276 WOMEN

WATER CLOSETS = MEN: 1 PER 125, WOMEN: 1 PER 65
W.C. REQUIRED: MEN = 11
W.C. PROVIDED: MEN = 14
W.C. REQUIRED: WOMEN = 21
W.C. PROVIDED: WOMEN = 14

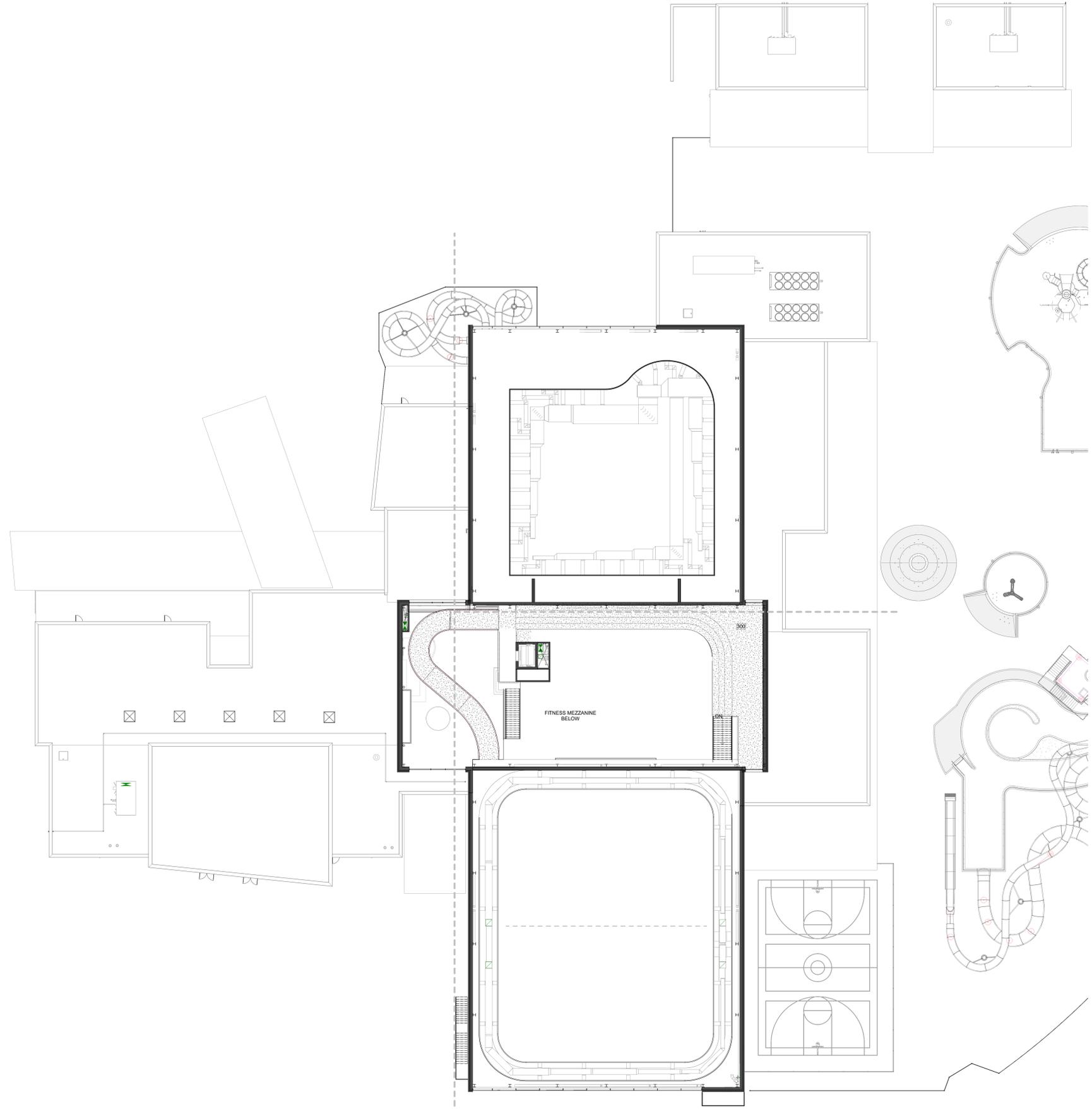
LAVATORIES = 1 PER 200
LAV. REQUIRED: MEN = 7
LAV. PROVIDED: MEN = 12
LAV. REQUIRED: WOMEN = 7
LAV. PROVIDED: WOMEN = 12

DRINKING FOUNTAIN = 1 PER 500
2546 OCCUPANTS = 6 D.F. REQUIRED
D.F. PROVIDED = 6

SERVICE SINK = 1 REQUIRED, 2 PROVIDED

Occupancy Legend

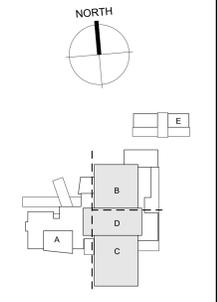
EXERCISE ROOMS



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LIFE SAFETY PLAN -
UPPER TRACK

OVERALL UPPER TRACK PLAN Copy 1 | 1
SCALE: 1/16" = 1'-0" | G0.23

G0.23

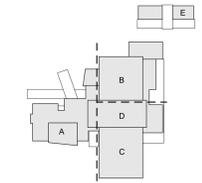
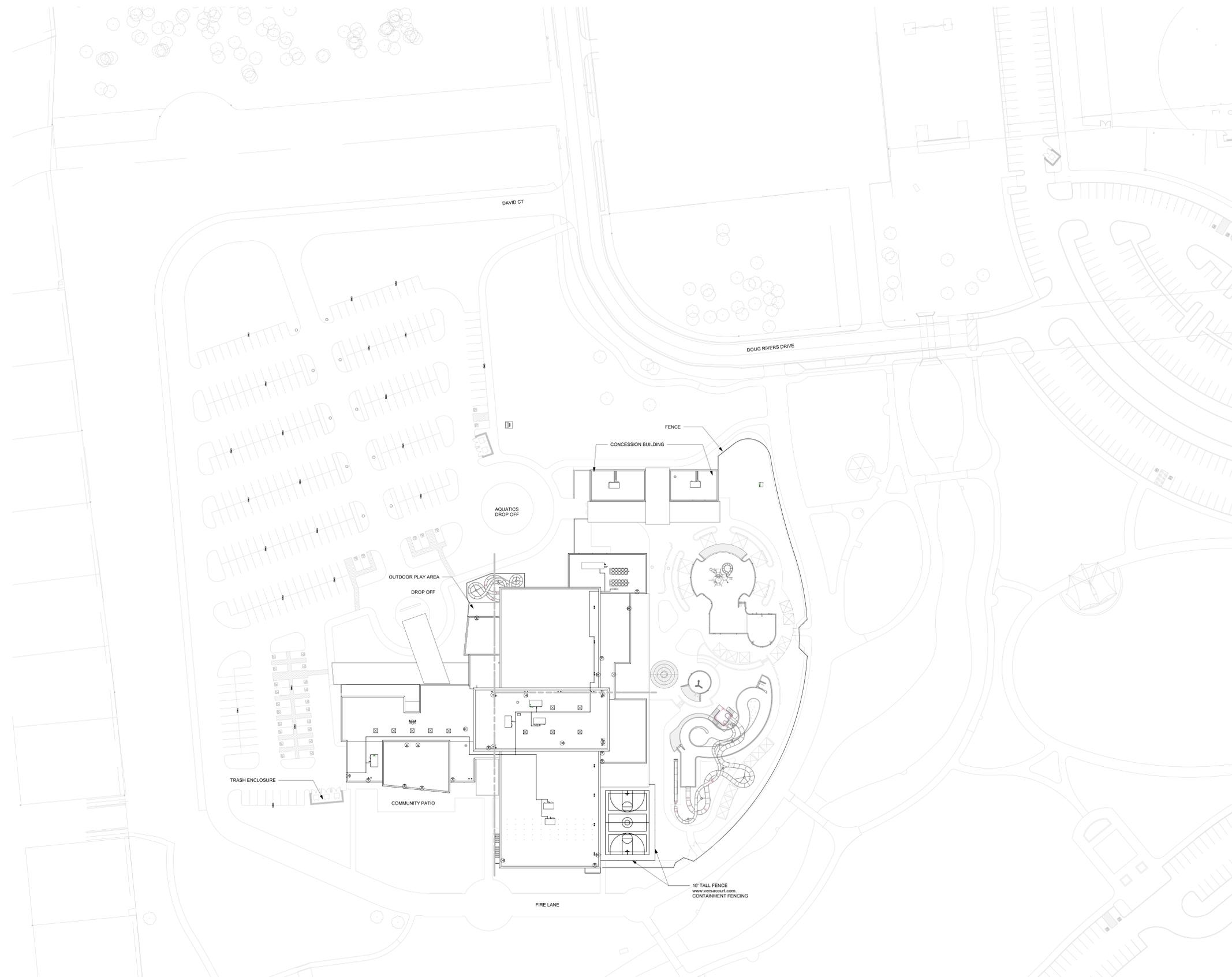
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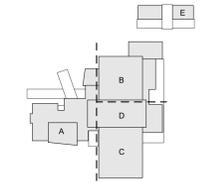
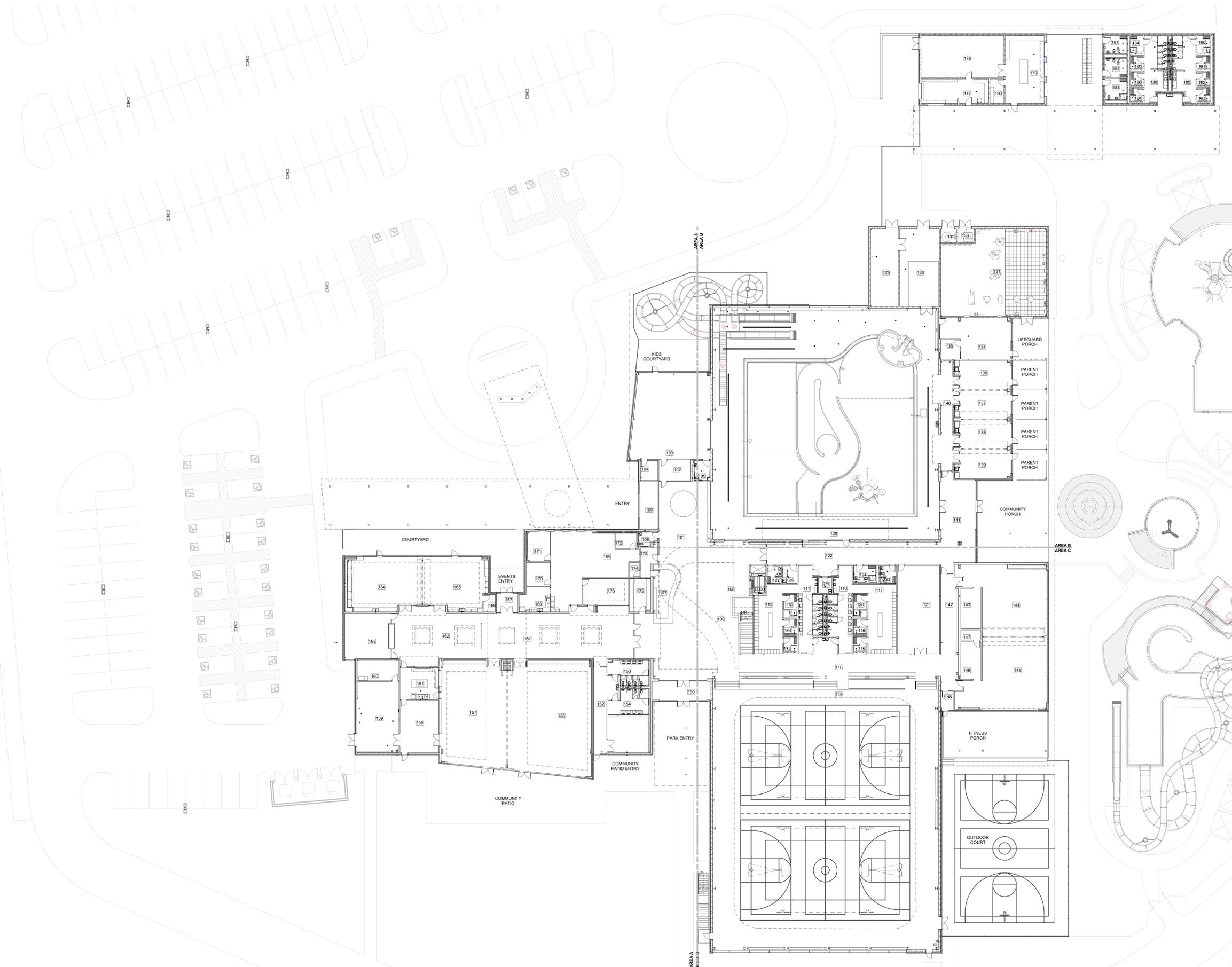
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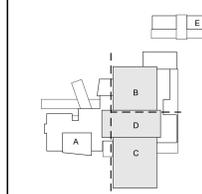
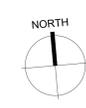
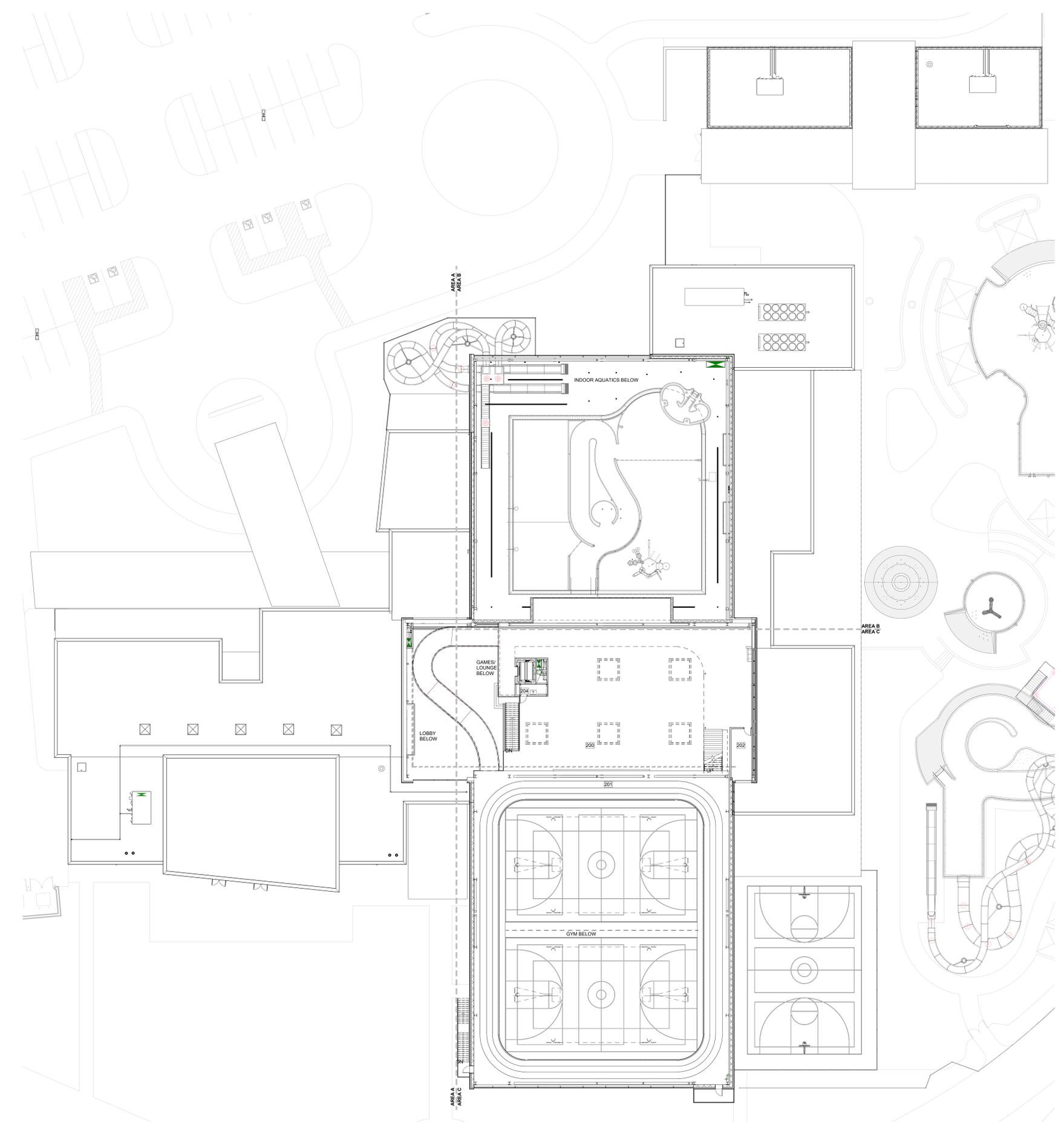
OVERALL FIRST FLOOR PLAN

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**OVERALL FITNESS
MEZZANINE PLAN**

OVERALL FITNESS MEZZANINE PLAN | 1
SCALE: 1/16" = 1'-0" A2.01

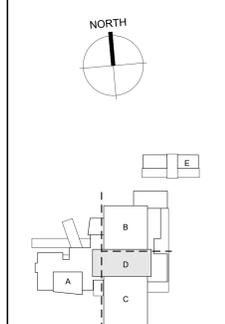
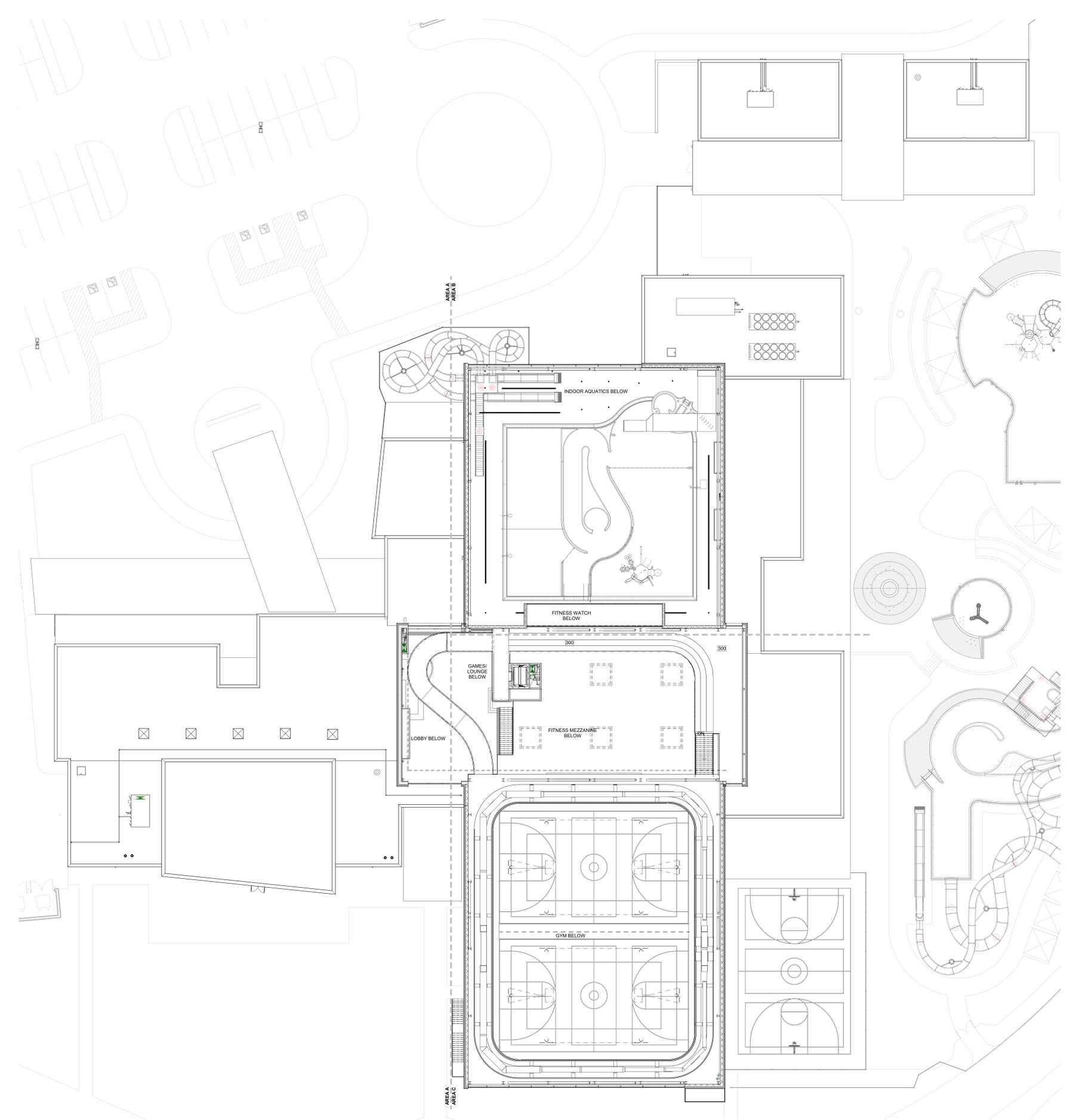
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OVERALL UPPER
TRACK PLAN

A2.02

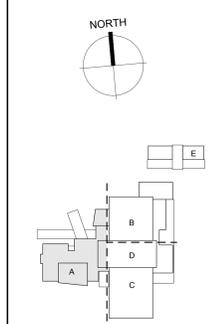
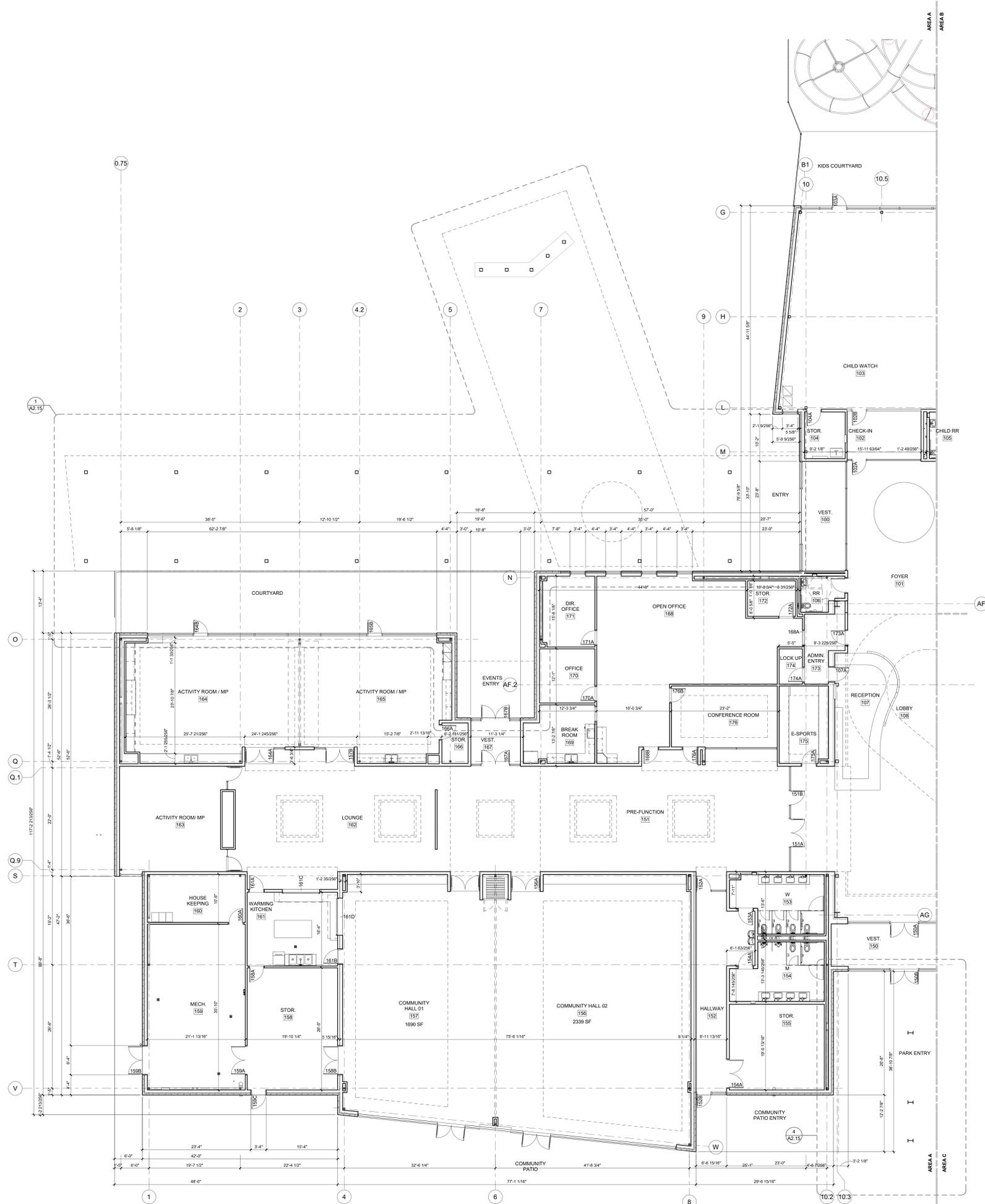
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FIRST FLOOR AREA - A DIMENSION CONTROL PLAN | 1
SCALE: 1/8" = 1'-0" | A2.10

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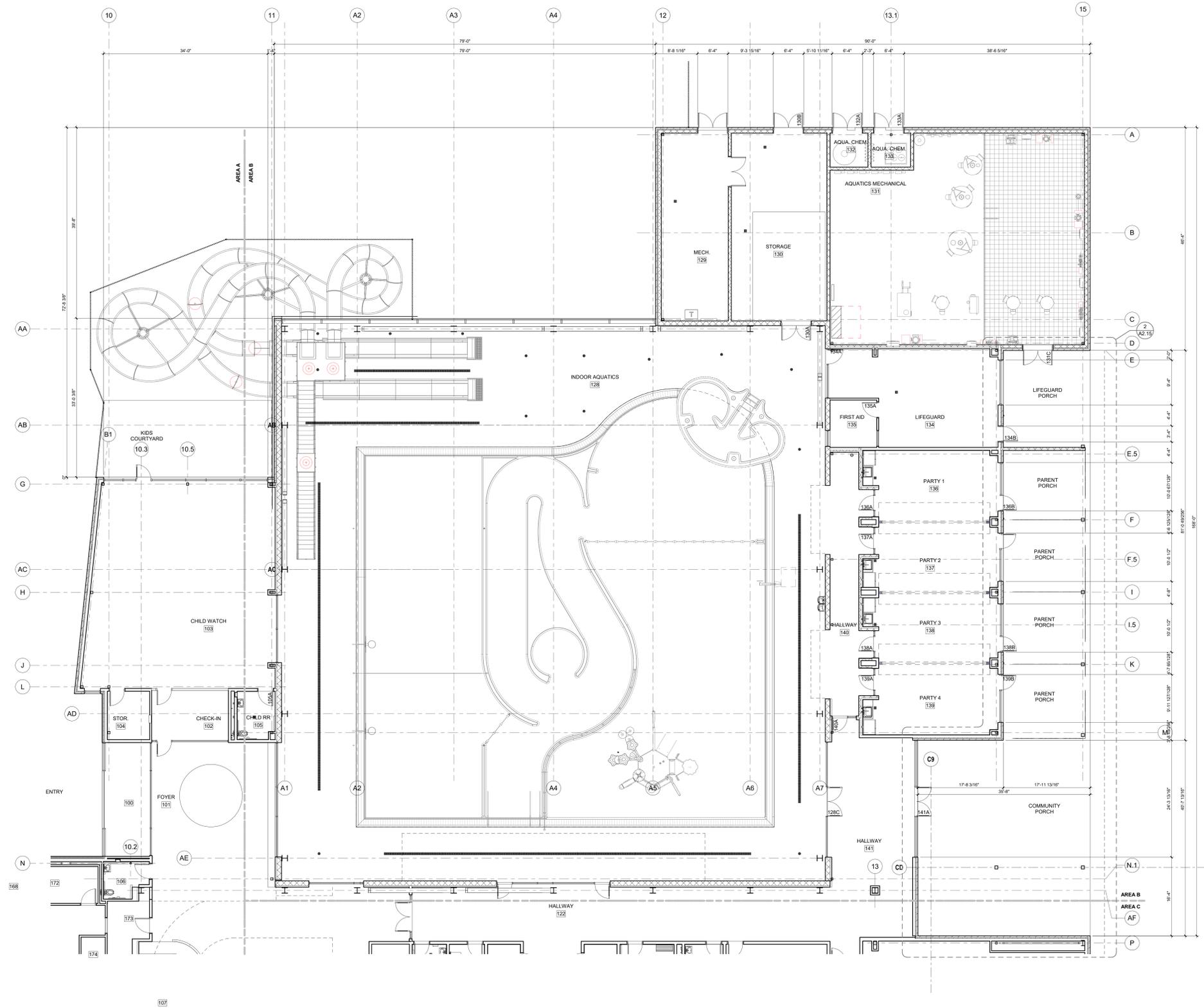
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FIRST FLOOR
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PLAN AREA - A

A2.10

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FIRST FLOOR AREA - B DIMENSION CONTROL PLAN | 1
SCALE: 1/8" = 1'-0" | A2.11

NORTH

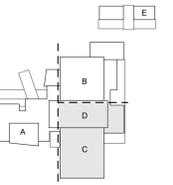
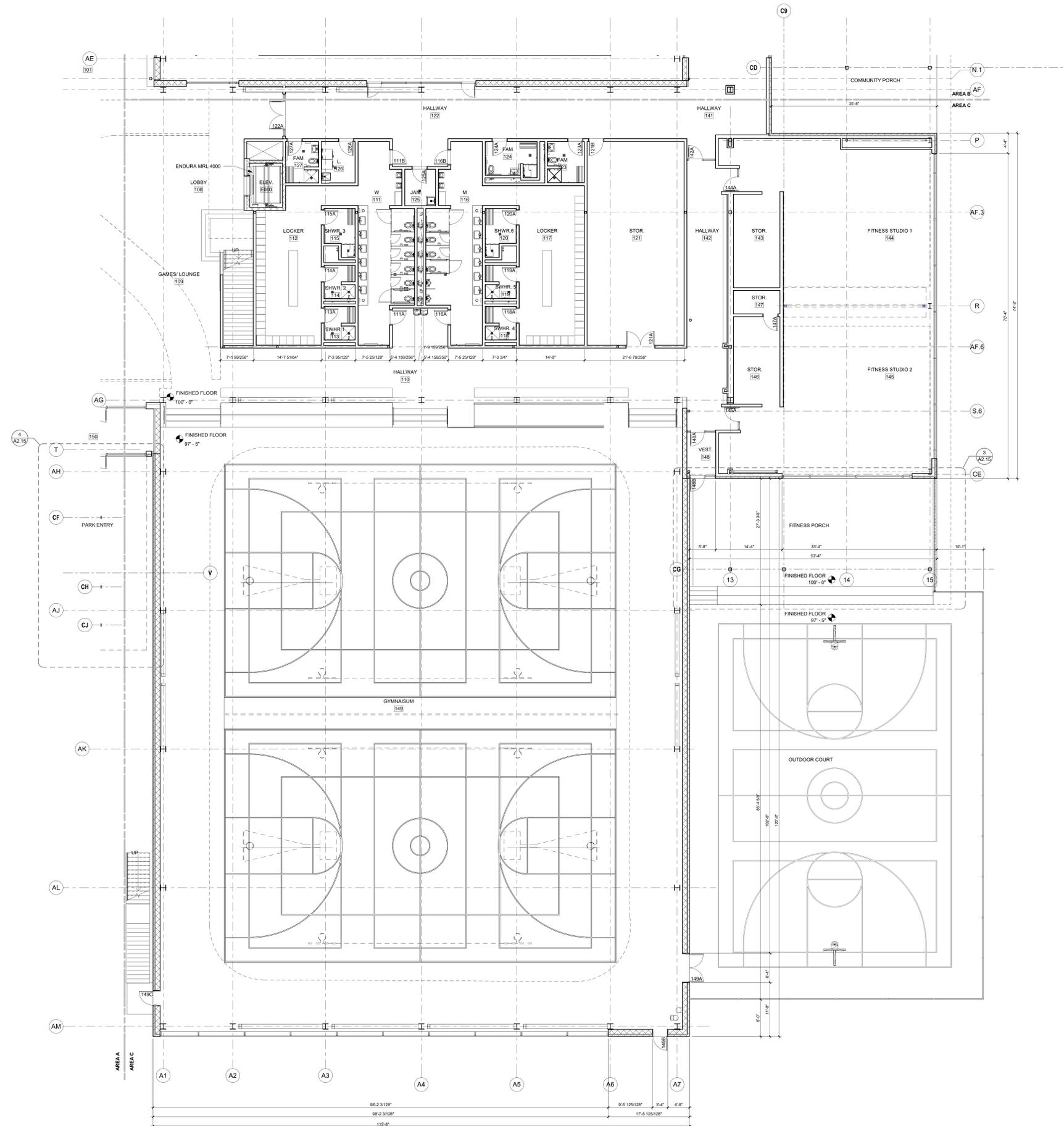
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FIRST FLOOR
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PLAN AREA - C

A2.12

