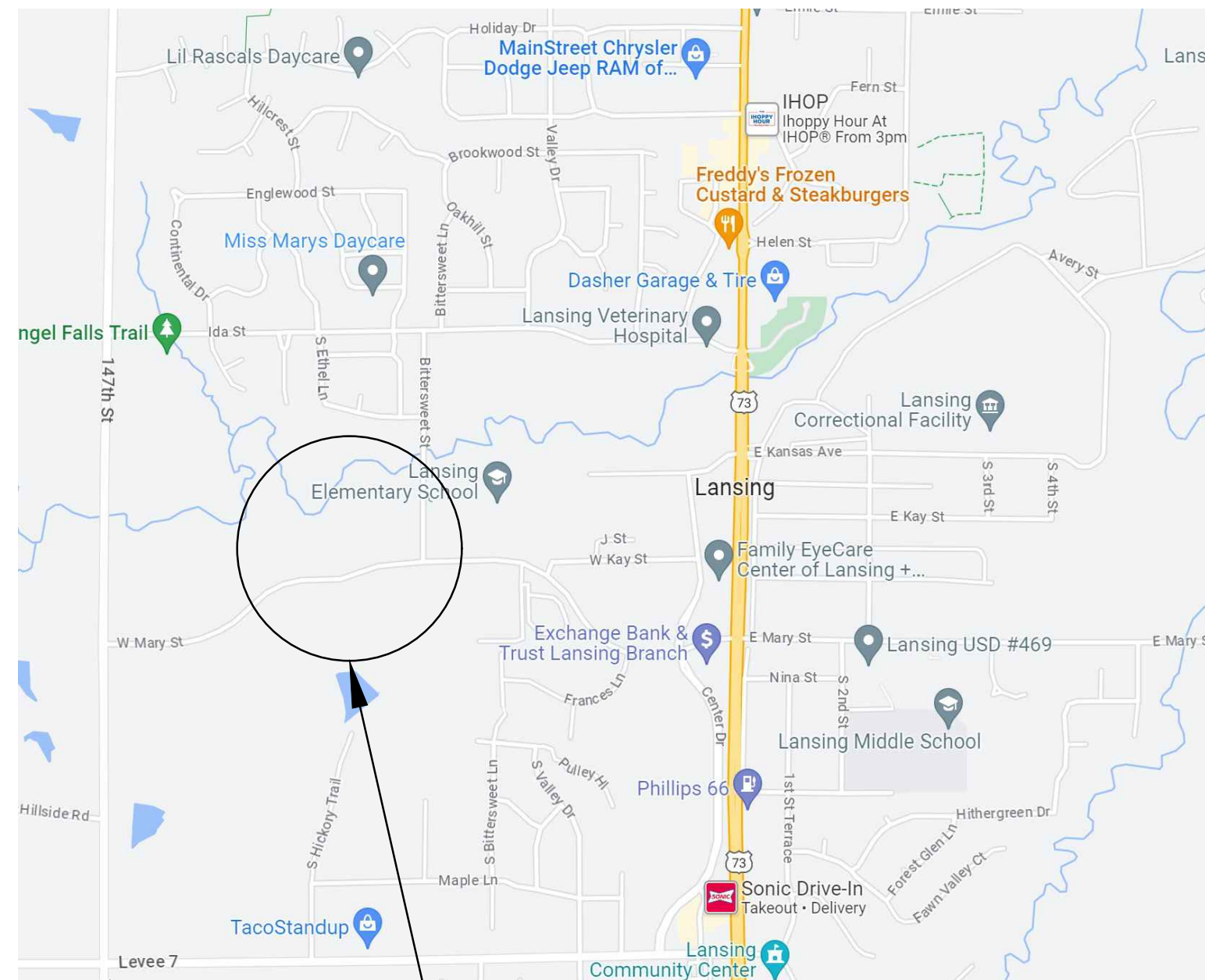


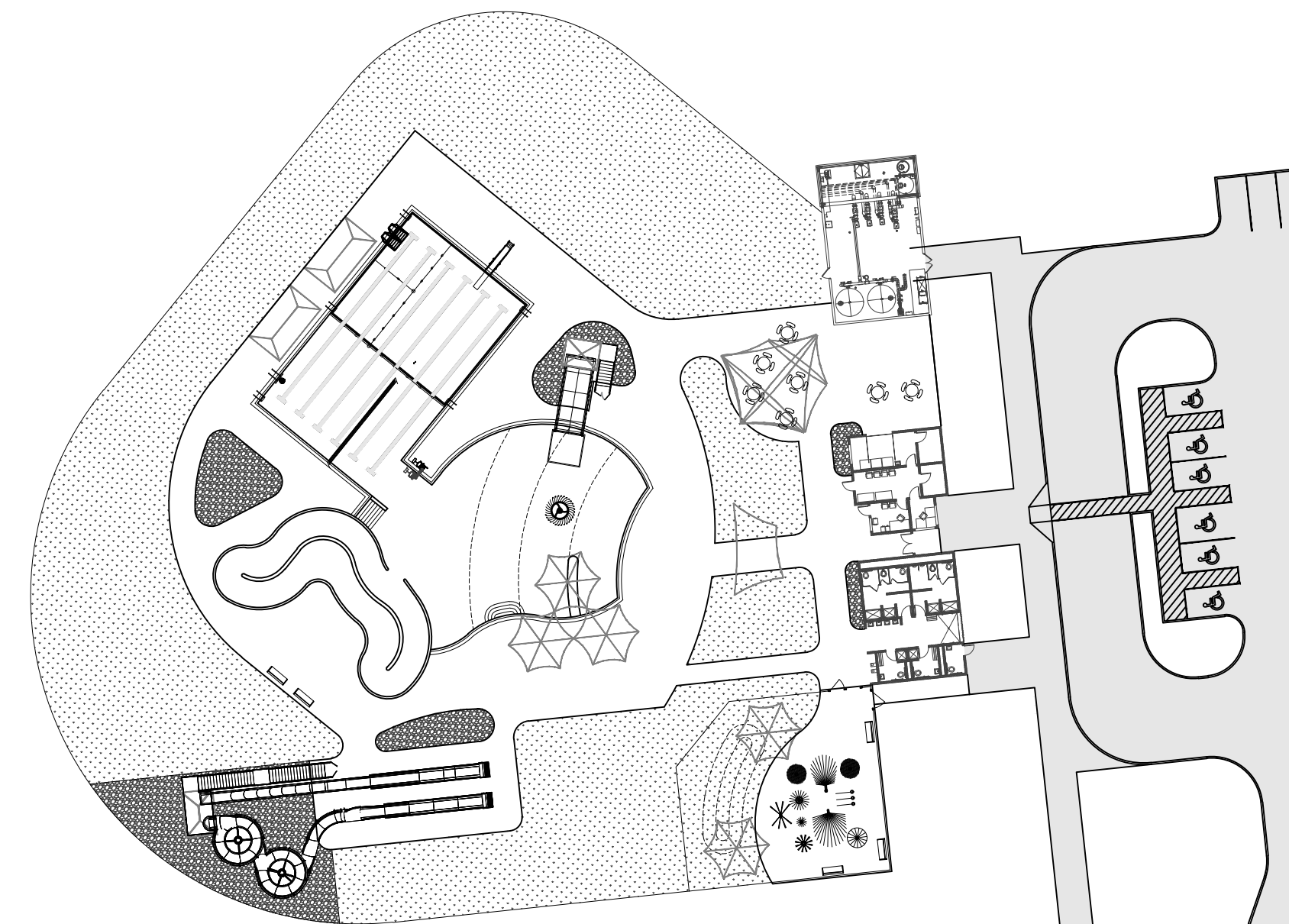
LANSING, KANSAS

Outdoor Municipal Pool

2023



PROJECT LOCATION
West Mary St
Lansing, KS 66043



POOL LAYOUT

AQUATICS

Water's Edge Aquatic Design
1153 Southwest Blv., Ste. 202
Kansas City, KS 66013
Tel 913.438.4338



SITE/ CIVIL

SMH Consultants
5201 Johnson Drive, Suite 405
Mission, KS 66205
Tel 913.444.9615



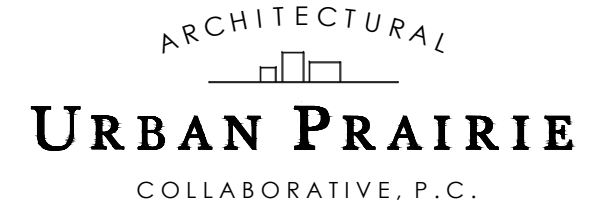
LANDSCAPE ARCHITECT

Vireo Landscape Architecture | Planning | Design
414 Oak St. Suite 101
Kansas City, MO 64106
Tel 816.756.5690



ARCHITECTURAL

Urban Prairie Architectural Collaborative, P.C.
1153 Southwest Blv., Ste. 201
Kansas City, KS 66013
Tel 816.304.7416



MECHANICAL-ELECTRICAL-PLUMBING

Hoss & Brown Engineers, Inc.
1509 Midland Drive
Shawnee, KS 66217
Tel 913.362.9090



SHEET INDEX

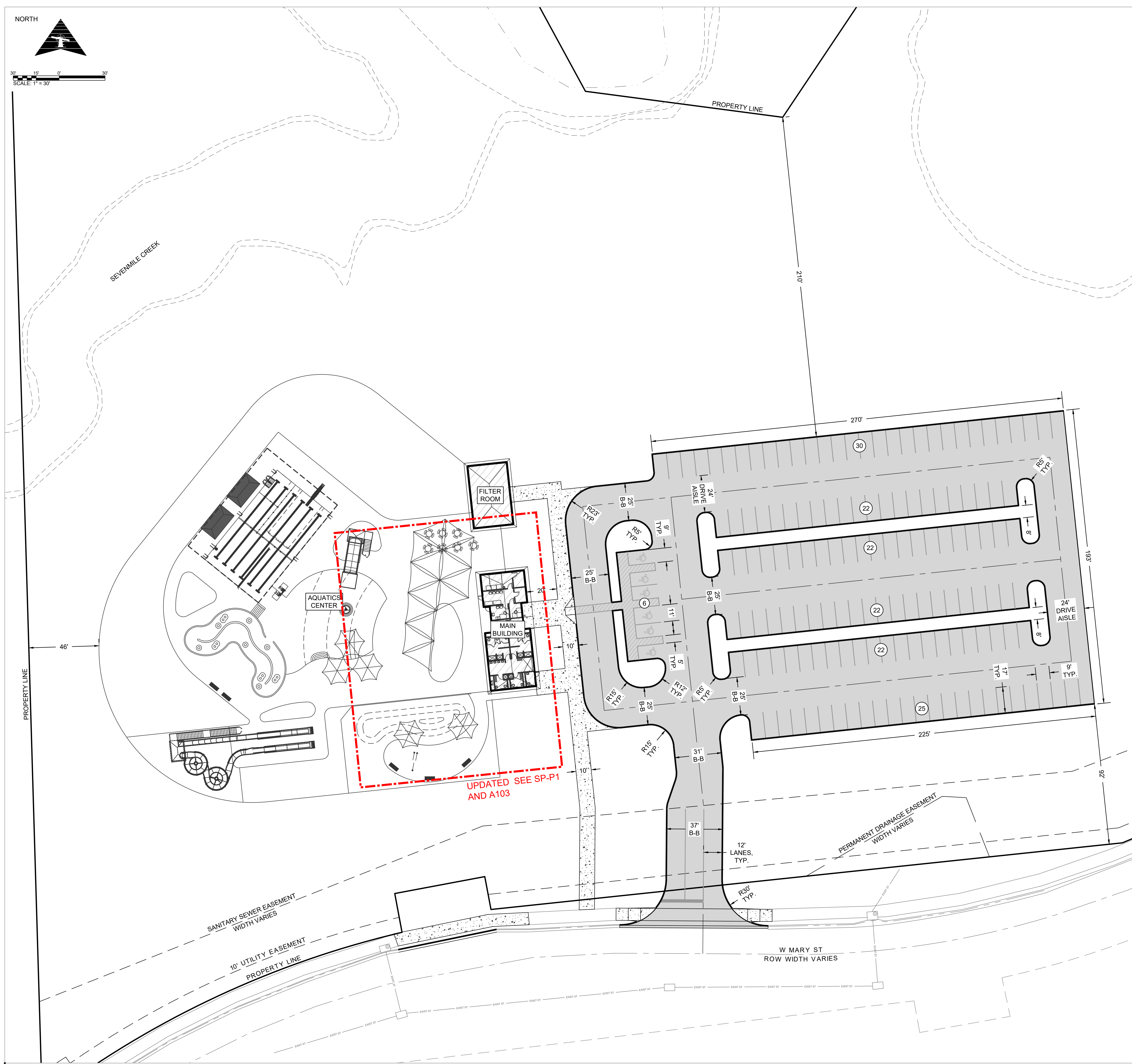
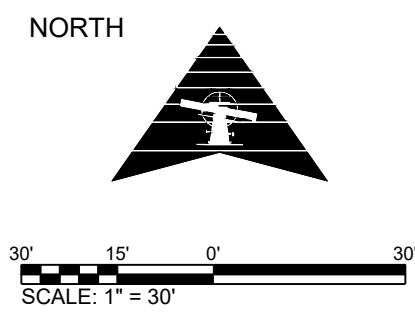
-- COVER SHEET	
SITE/ CIVIL:	
C1.0	SITE PLAN
C2.0	UTILITY PLAN
C3.0	GRADING PLAN
C4.0	SOILE EROSION & SEDIMENT CONTROL PLAN
AQUATICS - POOL:	
SP-P1	POOL PLAN
SP-P2	SPRAYPAD PLAN
SP-P5	POOL FLOOR AND WALL DETAILS
SP-P6	POOL FLOOR AND WALL DETAILS
AQUATICS - POOL MECHANICAL:	
SP-PM2	POOL MECHANICAL DETAILS
SP-PM3	POOL MECHANICAL DETAILS
AQUATICS - FILTER AREA:	
SP-F1	FILTER AREA PLAN
BUILDING ARCHITECTURAL:	
A102	BATHHOUSE SCHEDULES/EQUIPMENT PLAN
A103	BATHHOUSE FLOOR, RCP & ROOF PLAN
A104	BATHHOUSE FLOOR PLAN - DRAINAGE/FOUNDATION
A201	BATHHOUSE ELEVATIONS/WALL SECTIONS
A202	BATHHOUSE SECTION - WALLS
A301	BATHHOUSE SECTION - WALL DETAILS

Updated 10/13/23

DATE: 09-20-23

ISSUE: DESIGN DEVELOPMENT

WEAD JOB #: 22-548



GENERAL NOTES:

- ALL OPEN EXCAVATIONS SHALL BE PROTECTED WITH SAFETY FENCE.
- CONTRACTOR IS REQUIRED TO MAINTAIN POSITIVE DRAINAGE ON THE SITE THROUGHOUT THE PROJECT DURATION.
- CONSTRUCTION ACTIVITIES ARE TO BE LIMITED TO THE IMMEDIATE WORK SITES.
- NO SOIL BORINGS HAVE BEEN PERFORMED FOR THIS PROJECT. THE CONTRACTOR SHALL BEAR ALL COSTS AND RESPONSIBILITY FOR ANY SOIL INVESTIGATIONS DEEMED NECESSARY FOR THE PREPARATION OF THE BID OR EXECUTION OF THE WORK.
- THE CONTRACTOR SHALL APPLY NECESSARY MOISTURE TO THE CONSTRUCTION AREA AND TEMPORARY HAUL ROADS TO PREVENT THE SPREAD OF DUST. THIS SHALL BE SUBSIDIARY TO TEMPORARY EROSION CONTROL.
- ALL OBSTRUCTIONS ENCOUNTERED WITHIN THE LIMITS OF THE WORK SUCH AS FENCES, MAILBOXES, STREET MARKERS, SIGNS, ETC., SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR IN COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. PAYMENT SHALL BE SUBSIDIARY TO OTHER ITEMS IN THE PROPOSAL UNLESS NOTED OTHERWISE.
- BORROW AREAS PROVIDED BY THE CONTRACTOR SHALL BE APPROVED BY THE ENGINEER AS TO THE SUITABILITY OF MATERIAL AND LOCATION. SPECIAL CARE SHALL BE TAKEN IN THIS APPROVAL TO MINIMIZE THE INCREASE OF SILTATION AND TURBIDITY OF STREAMS, LAKES AND RESERVOIRS AND TO AVOID INTERFERENCE WITH THE MOVEMENT OF MIGRATORY FISH. AREAS WHICH, IN THE OPINION OF THE ENGINEER, MAY LEAVE AN UNSIGHTLY APPEARANCE WILL NOT BE APPROVED.
- ALL BORROW AREAS SHALL BE SUBMITTED TO THE ENGINEER FOR COMMENT FROM THE KANSAS HISTORICAL SOCIETY AND THE KANSAS DEPARTMENT OF WILDLIFE AND PARKS PRIOR TO ANY EXCAVATION.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RESTORE, SEED AND/OR COMPLETE OTHER OPERATIONS NOTED IN THE AGREEMENT WITH THE LANDOWNER, APPROVED BY THE ENGINEER, ON ALL DISTURBED AREAS USED TO PROVIDE BORROW AREAS FOR COMMON EXCAVATION (CONTRACTOR FURNISHED). EXCAVATION REQUIRED FOR PLACING SELECT SOIL IS INCLUDED IN THE COMMON EXCAVATION QUANTITIES.
- A FULL DEPTH SAW CUT OF THE EXISTING TOTAL PAVEMENT THICKNESS SHALL BE PROVIDED AT LOCATIONS WHERE PROPOSED CONSTRUCTION ABUTS AN EXISTING SURFACE COURSE OR PAVEMENT FOR WHICH PARTIAL REMOVAL OF THE SURFACE OR PAVEMENT IS REQUIRED. REMOVAL LIMITS SHOWN WITHIN THREE (3) FEET OF EXISTING JOINTS SHALL BE EXTENDED TO THE EXISTING JOINT. SUCH SAW CUTS WILL NOT BE PAID FOR DIRECTLY AND THIS COST SHALL BE CONSIDERED AS SUBSIDIARY TO THE REMOVAL OF THE SURFACE OR PAVEMENT.
- ANY MATERIAL BURIED OR STOCKPILED BEYOND THE APPROVED CONSTRUCTION LIMITS WILL REQUIRE ADDITIONAL ARCHEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION.
- UNLESS OTHERWISE NOTED ON THE PLANS, EXISTING SIGNS SHALL BE SALVAGED AND REUSED. WHERE A SIGN IS NOT REUSABLE, IT SHALL BE DELIVERED BY THE CONTRACTOR TO CITY OF LANSING PUBLIC WORKS DEPARTMENT. THIS WORK SHALL BE SUBSIDIARY TO OTHER ITEMS IN THE CONTRACT.
- CONTRACTOR SHALL COORDINATE STAGING AND MATERIAL STORAGE LOCATION WITH THE CITY OF LANSING PUBLIC WORKS DEPARTMENT. PH.: 913-727-2400.
- ALL TRAFFIC CONTROL DEVICES AND PERMANENT PAVEMENT MARKINGS SHALL CONFORM TO THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

LAND AREA - NEW DEVELOPMENT		
	EXISTING CONDITIONS	PROPOSED CONDITIONS
PROPERTY AREA	914,530	914,530
BUILDING AREA	0	3,160
PAVEMENT AREA	0	96,416
LANDSCAPE/VEGETATED AREA	914,530	814,954
TOTAL IMPERVIOUS AREA	0	99,576
TOTAL PERVIOUS AREA	914,530	814,954

PARKING REQUIREMENTS		
	VEHICLE	ACCESSIBLE
REQUIRED	-	-
PROVIDED	143	6

HATCH LEGEND	
	PROPOSED PAVEMENT
	PROPOSED CONCRETE SIDEWALK
	PROPOSED DETECTABLE WARNING

LANSING, KANSAS
Lansing Aquatic Center
2023

Revisions:		
#	Description	Date
#	R-1-DESCRIPTION	R-1-DATE
#	R-2-DESCRIPTION	R-2-DATE
#	R-3-DESCRIPTION	R-3-DATE
#	R-4-DESCRIPTION	R-4-DATE
#	R-5-DESCRIPTION	R-5-DATE

Seal:

BEN GASPER, P.E.
LICENSE #28336
Date: 09-19-2023 Job #: 22-548
Drawn: CNP Checked: BCG
Issue: DESIGN DEVELOPMENT

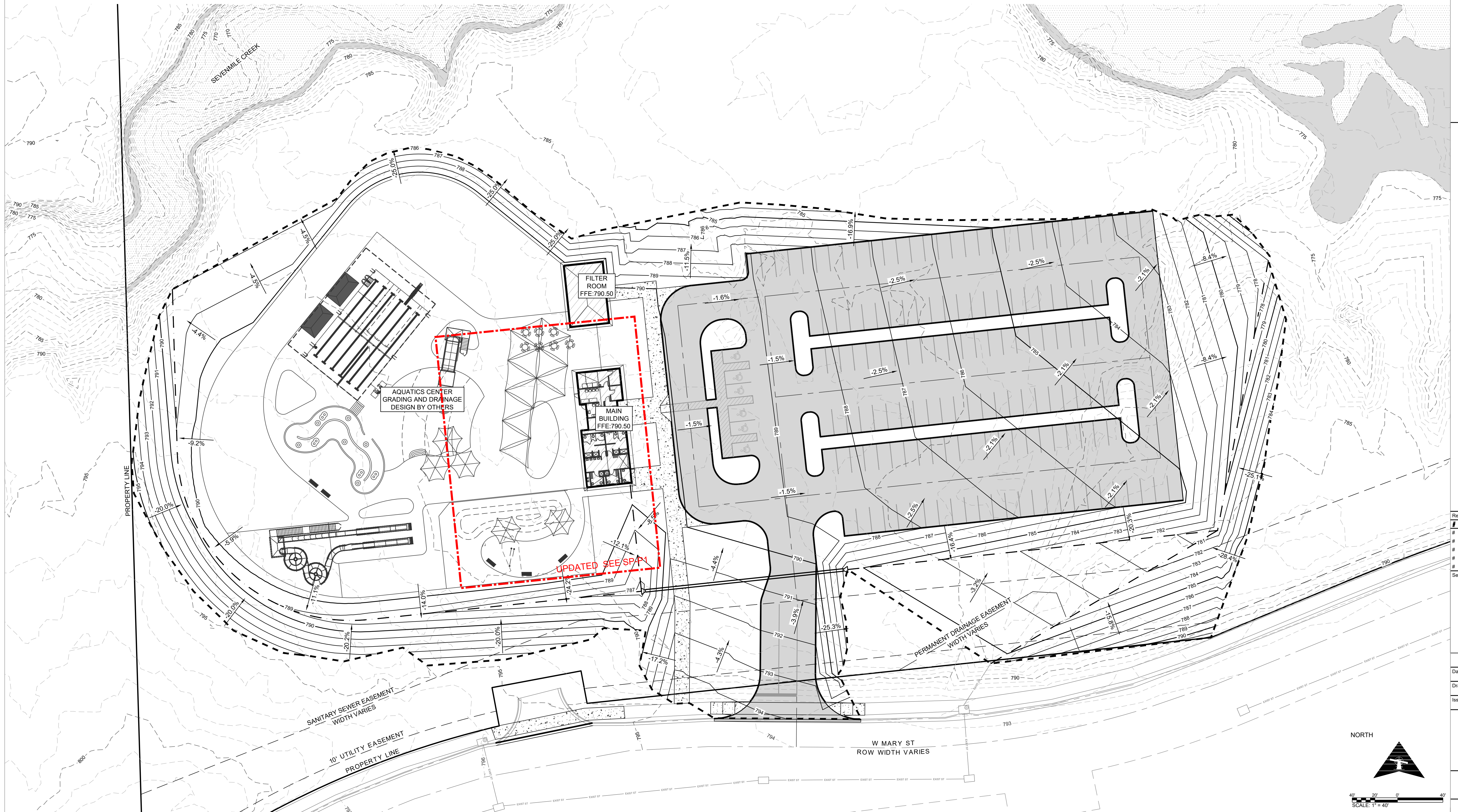
NOTES:

1. ALL SOIL BROUGHT TO THE SITE AND IN SITU SHALL BE COMPACTED BY ROLLING WITH A SHEEPSFOOT ROLLER OR BY MECHANICAL TAMPING.
2. THE SHEEPSFOOT ROLLER, WHEN FULLY LOADED, SHALL HAVE A LOAD ON EACH TAMPER FOOT NOT LESS THAN 200 POUNDS PER SQUARE INCH OF CROSS-SECTIONAL AREA.
3. ENOUGH MOISTURE SHALL BE PRESENT IN THE SOIL TO OBTAIN A DENSITY EQUAL TO OR GREATER THAN 95% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR DENSITY TEST BEFORE PLACING THE NEXT LIFT.
4. ALL FILL MATERIAL SHALL HAVE ROCK NO LARGER THAN 3" DIAMETER. EACH LIFT SHALL CONSIST OF 12-INCH LOOSE LIFTS OR LESS PRIOR TO COMPACTION.
5. THE CONTRACTOR IS RESPONSIBLE FOR ALL DENSITY TESTS AND PROCTOR INFORMATION FOR TESTING.

6. ALL STRIPPED TOPSOIL SHALL BE STOCKPILED ON SITE FOR RE-USE. ALL SOIL STOCKPILED ON SITE SHALL BE USED PRIOR TO ANY CONTRACTOR FURNISHED MATERIAL.
7. COMPACTED FILL SHOULD CONSIST OF APPROVED MATERIALS THAT ARE FREE OF ORGANIC MATTER AND DEBRIS. FROZEN MATERIAL SHOULD NOT BE USED AND FILL SHOULD NOT BE PLACED ON FROZEN SUBGRADE.
8. ALL DISTURBED AREAS SHALL BE TOPED WITH 6 INCHES OF TOPSOIL.
9. THE CROSS SLOPES OF ALL SIDEWALKS SHALL BE 1.5% OR LESS

LINETYPE LEGEND

- LIMITS OF DISTURBANCE
- - - DRAINAGE PATH
- - - 1' EXISTING CONTOUR
- - - 5' EXISTING CONTOUR
- 1' PROPOSED CONTOUR
- 5' PROPOSED CONTOUR



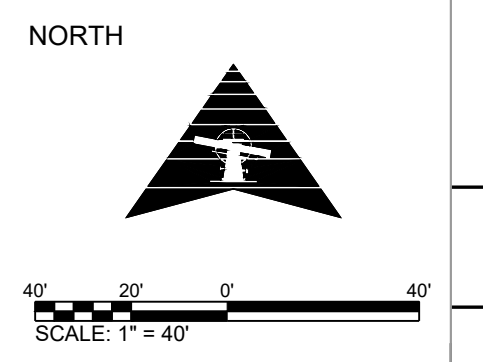
LANSING, KANSAS
Lansing Aquatic Center
2023

Revisions:	Description	Date
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#	R-2-DESCRIPTION	R-2-DATE
#	R-3-DESCRIPTION	R-3-DATE
#	R-4-DESCRIPTION	R-4-DATE
#	R-5-DESCRIPTION	R-5-DATE

Seal:	
BEN GASPER, P.E. LICENSE #26336	
Date: 09-19-2023	Job #: 22-548
Drawn: CNP	Checked: BCG
Issue: DESIGN DEVELOPMENT	

GRADING PLAN

C3.0



NOTES:


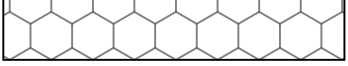








1. CONTRACTOR TO COMPLY WITH CITY OF LANSING STANDARDS AND SPECIFICATIONS.
2. INLET PROTECTION SHALL BE PROVIDED AT ALL DOWNSTREAM INLETS AS INDICATED.
3. NATIVE VEGETATION SHALL BE MAINTAINED IN ALL AREAS AS STORM WATER POLLUTION PREVENTION WITH THE EXCEPTION OF THOSE AREAS NOTED ON THIS PLAN SHEET.
4. CONTRACTOR SHALL DESIGNATE A TRUCK WASHOUT AREA.
5. FRESHLY SEEDED AREAS REQUIRE MULCH THE SAME DAY AS SEED IS APPLIED OR THE AREA MUST BE RESEEDED. MULCH SHALL BE SUBSIDIARY TO TEMPORARY AND PERMANENT SEEDING.

INSPECTION AND MAINTENANCE:

EROSION CONTROLS SHALL BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 1" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION.

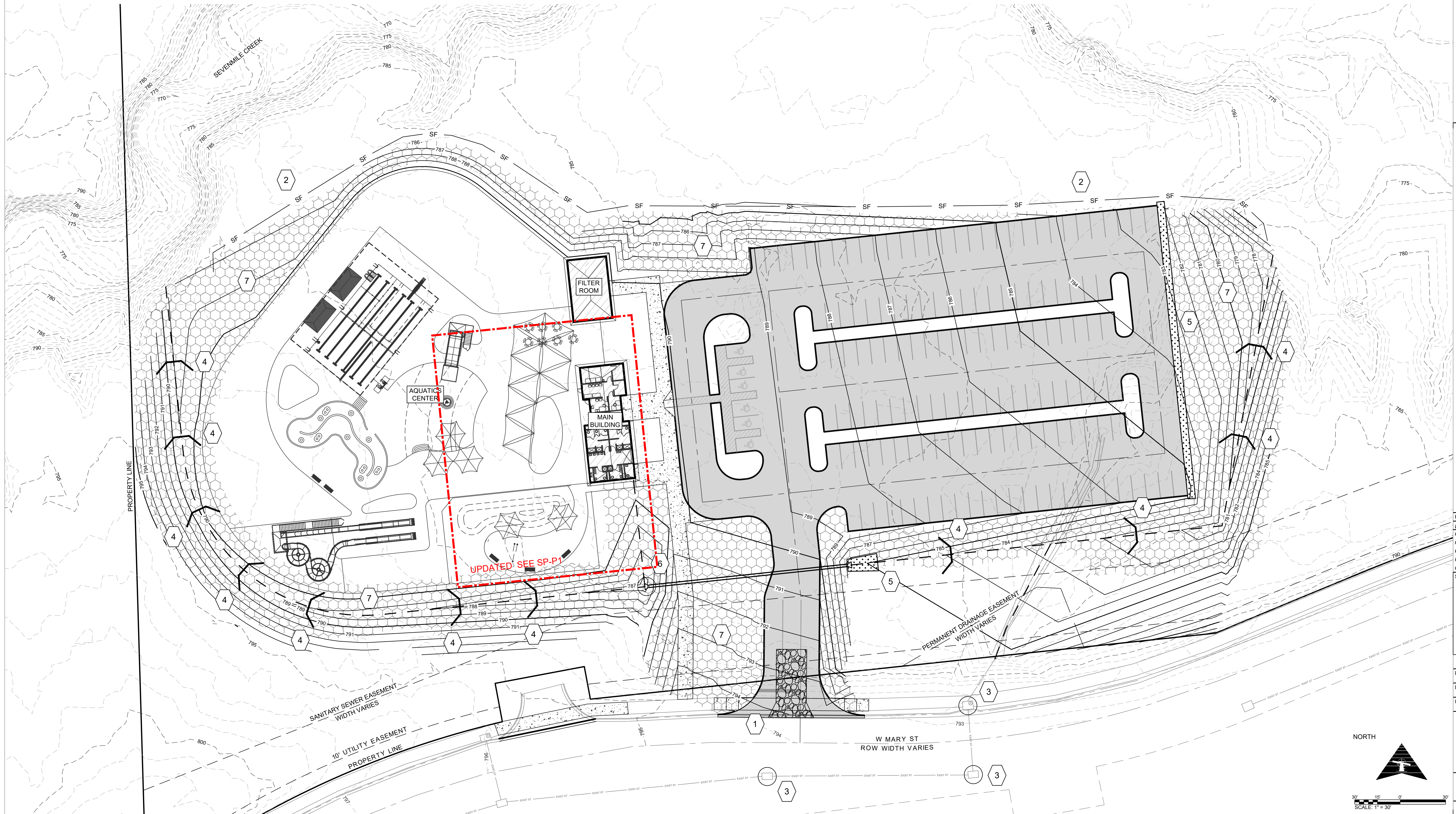
1. ARE THERE ANY POINTS WHERE WATER IS CONCENTRATING?
2. DOES WATER FLOW UNDER OR AROUND THE CONTROL DEVICE?
3. DOES THE CONTROL DEVICE SHOW SIGNS OF WEAR?
4. HAS THE CONTROL DEVICE FAILED (TORN DETACHED FORM POSTS, DISLODGED, ETC)?
5. DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE CONTROL DEVICE?

LEGEND

-  CONSTRUCTION ENTRANCE
-  PERMANENT SEEDING
-  5" RIP RAP
-  INLET PROTECTION
-  SILT FENCE
-  DRAINAGE PATH
-  1' EXISTING CONTOUR
-  5' EXISTING CONTOUR
-  1' PROPOSED CONTOUR
-  5' PROPOSED CONTOUR

PROJECT STAGE	BMP PLAN REFERENCE NO.	BMP DESCRIPTION	MAY REMOVE AFTER STAGE:	NOTES
A - PRIOR TO LAND DISTURBANCE	1	CONSTRUCTION ENTRANCE	C	1 EA
	2	SILT FENCE	D	800 LF
	3	INLET PROTECTION	D	3 EA
B - AFTER MASS GRADING	4	SILT FENCE DITCH CHECKS	D	11 EA
	5	6" RIPRAP	N/A	132 SY
	6	INLET PROTECTION	D	1 EA
C - AFTER PAVEMENT INSTALLATION	7	PERMANENT SEEDING	N/A	1.56 ACRES
D - AFTER CONSTRUCTION COMPLETION AND VEGETATION IS ESTABLISHED	8	SITE TO BE CLEANED AND CLEARED	D	

LANSING, KANSAS
Lansing Aquatic Center
2023



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# 4	R-4-DESCRIPTION	R-4-DATE
# 5	R-5-DESCRIPTION	R-5-DATE

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BEN GASPER, P.E.
LICENSE #28336

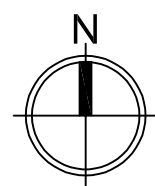
Date: 09-19-2023 Job #: 22-548

Drawn: CNP Checked: BCG

Issue: DESIGN DEVELOPMENT

SOIL EROSION &
SEDIMENT
CONTROL PLAN

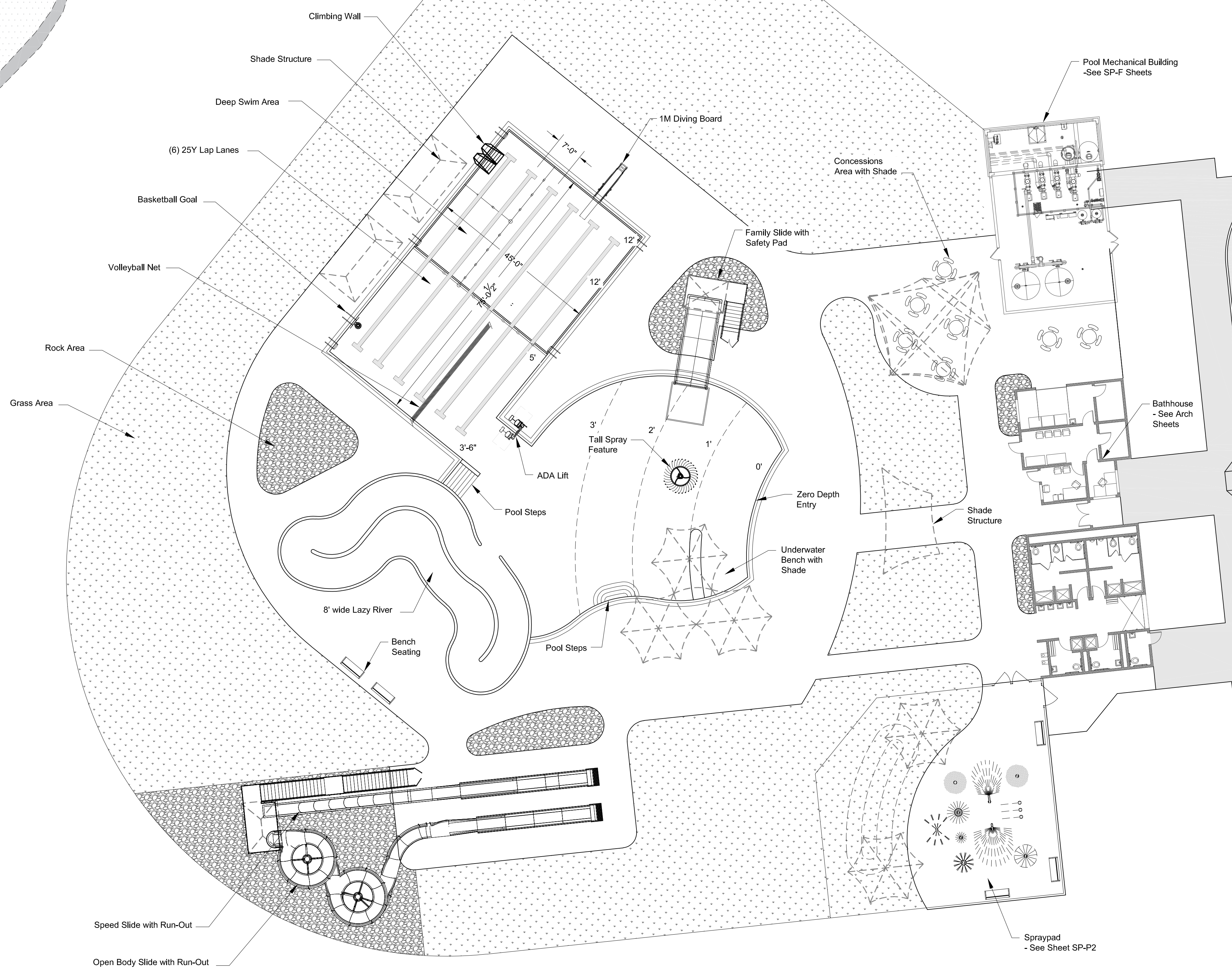
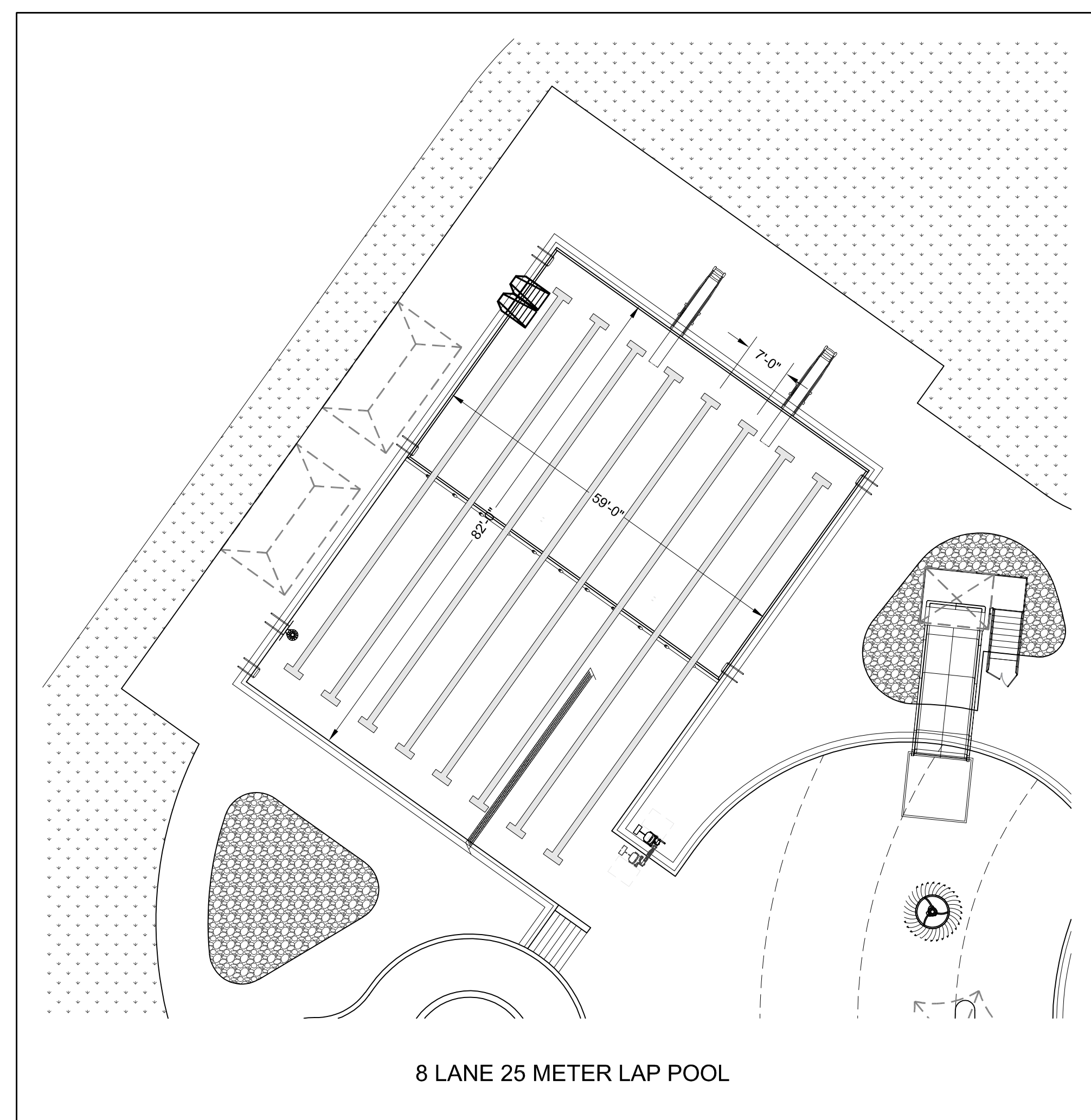
C4.0



POOL SURFACE AREA DATA	
Shallow Area	3,851 S.F.
Lazy River	1,557 S.F.
Lap Area	2,504 S.F.
Deep/Diving Area	2,338 S.F.
Total Pool Surface Area	10,250 S.F.
Pool Perimeter	680 L.F.
Lazy River Length	190 L.F.
Concrete Deck Area	18,500 S.F.

POOL VOLUME DATA	
Shallow Area	63,080 Gallons
Lazy River	37,850 Gallons
Lap Area	79,600 Gallons
Deep/Diving Area	209,210 Gallons
Total Pool Volume	389,740 Gallons

POOL RECIRC. RATE DATA		
	Minimum	Design
Shallow Area	271	324 GPM
Lazy River	158	162 GPM
Lap Area	221	243 GPM
Deep/Diving Area	581	594 GPM
Pool Recirc. Rate	1,231	1,323 GPM



LANSING, KANSAS
Lansing Aquatic Center
2023

Revisions:		
#	Description	Date

Seal:

seal/signature
 must fit here...
 erase box and text
 when complete

JEFF BARTLEY-ENGINEER
 LICENSE #15116
 Date: 09-19-2023 Job #: 22-548
 Drawn: KHC Checked: JAB
 Issue: DESIGN DEVELOPMENT

POOL PLAN

SP-P1

Waters Edge Aquatic Design
 © 2023



A POOL PLAN
 Scale: 1/16"=1'-0"

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Lansing Aquatic Center
2023

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Seal:

seal/signature
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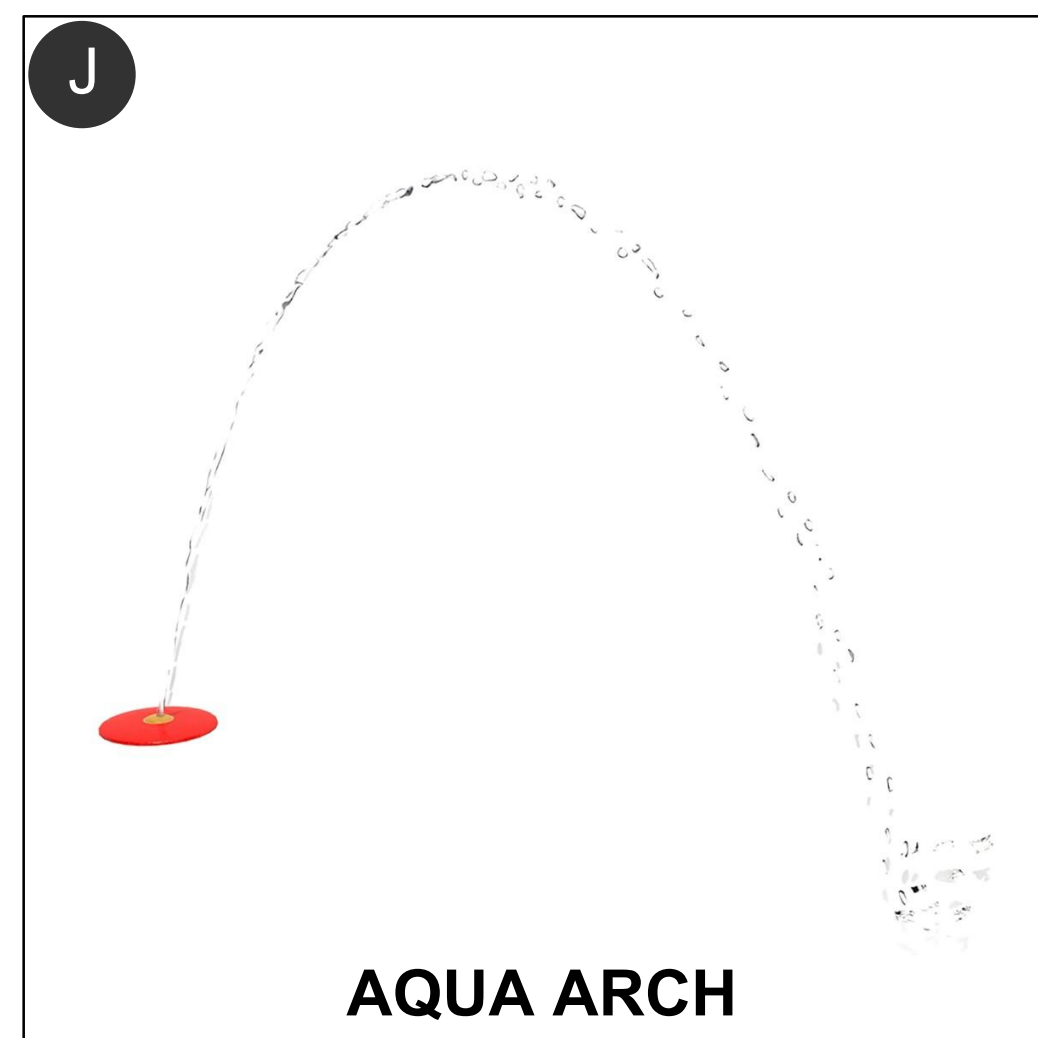
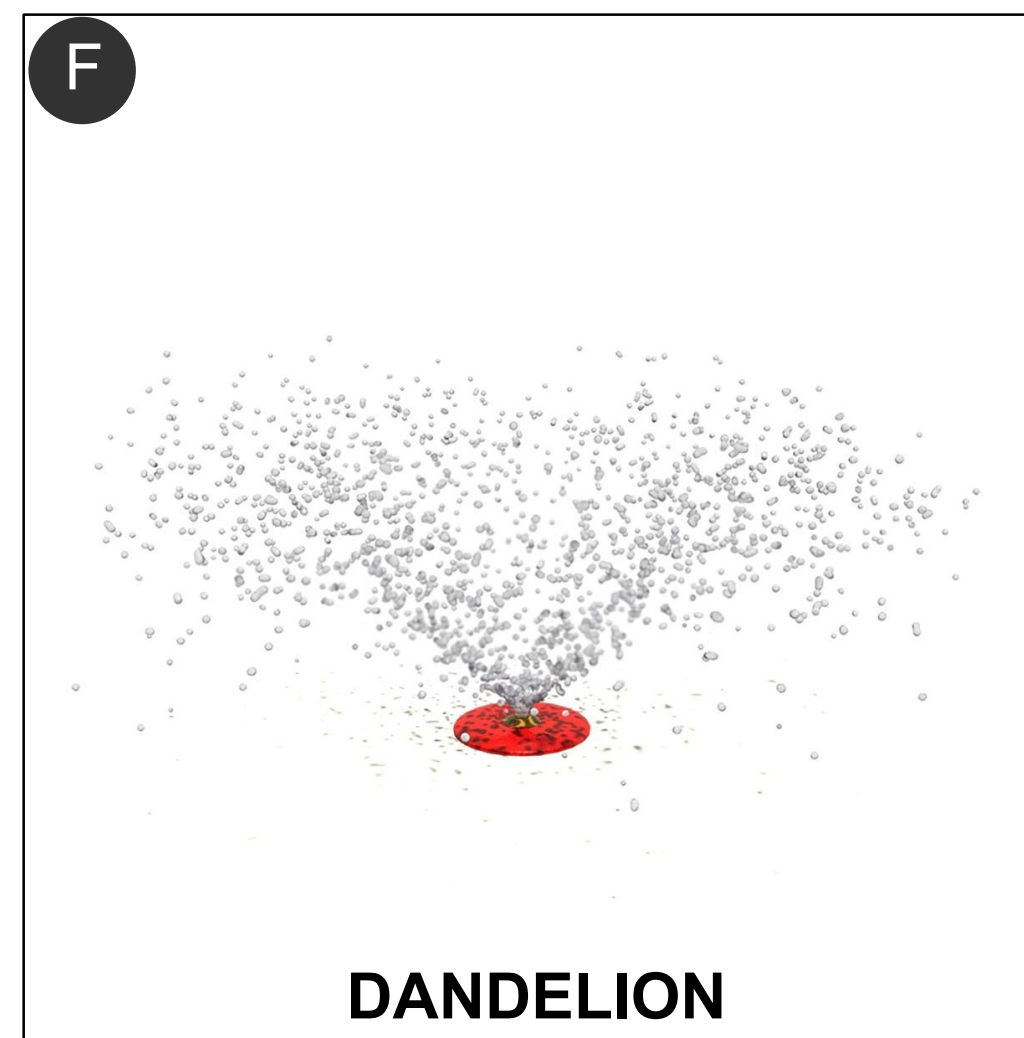
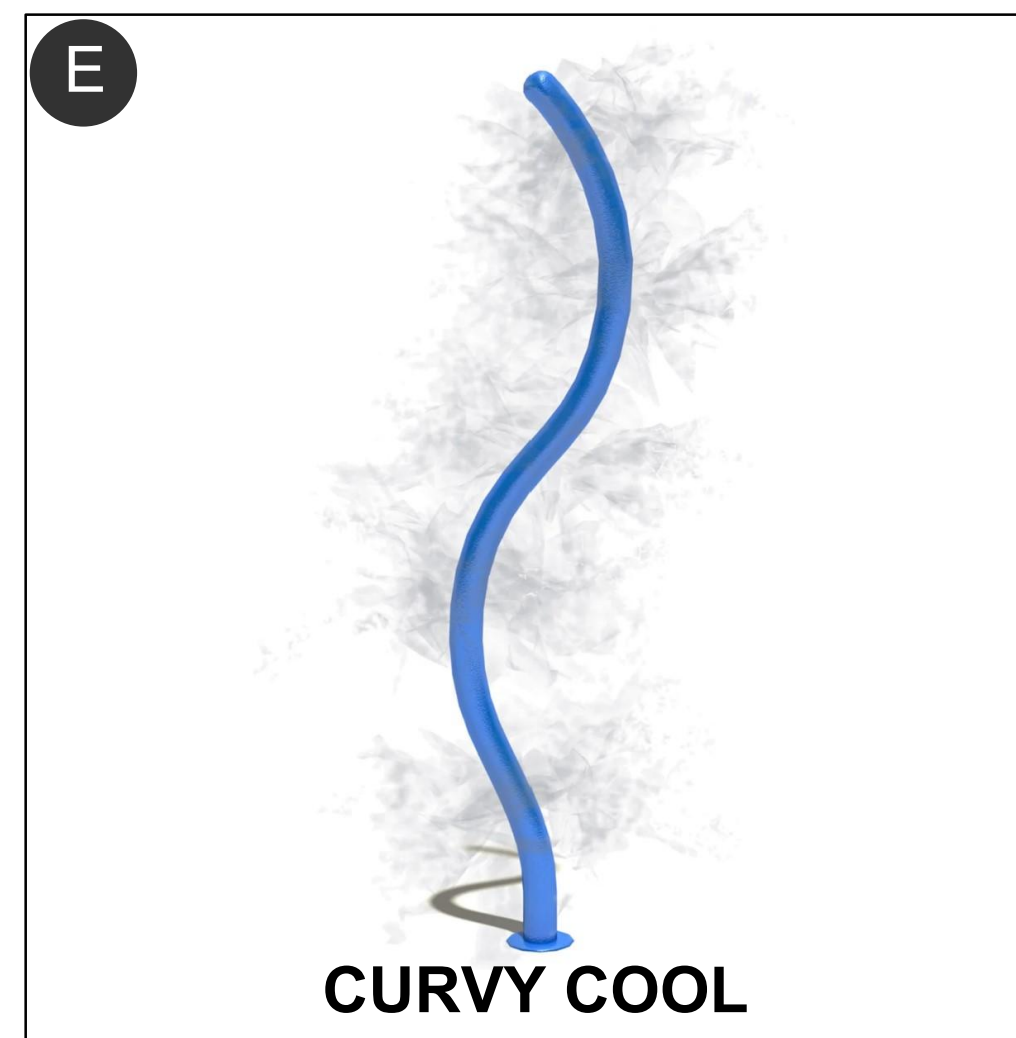
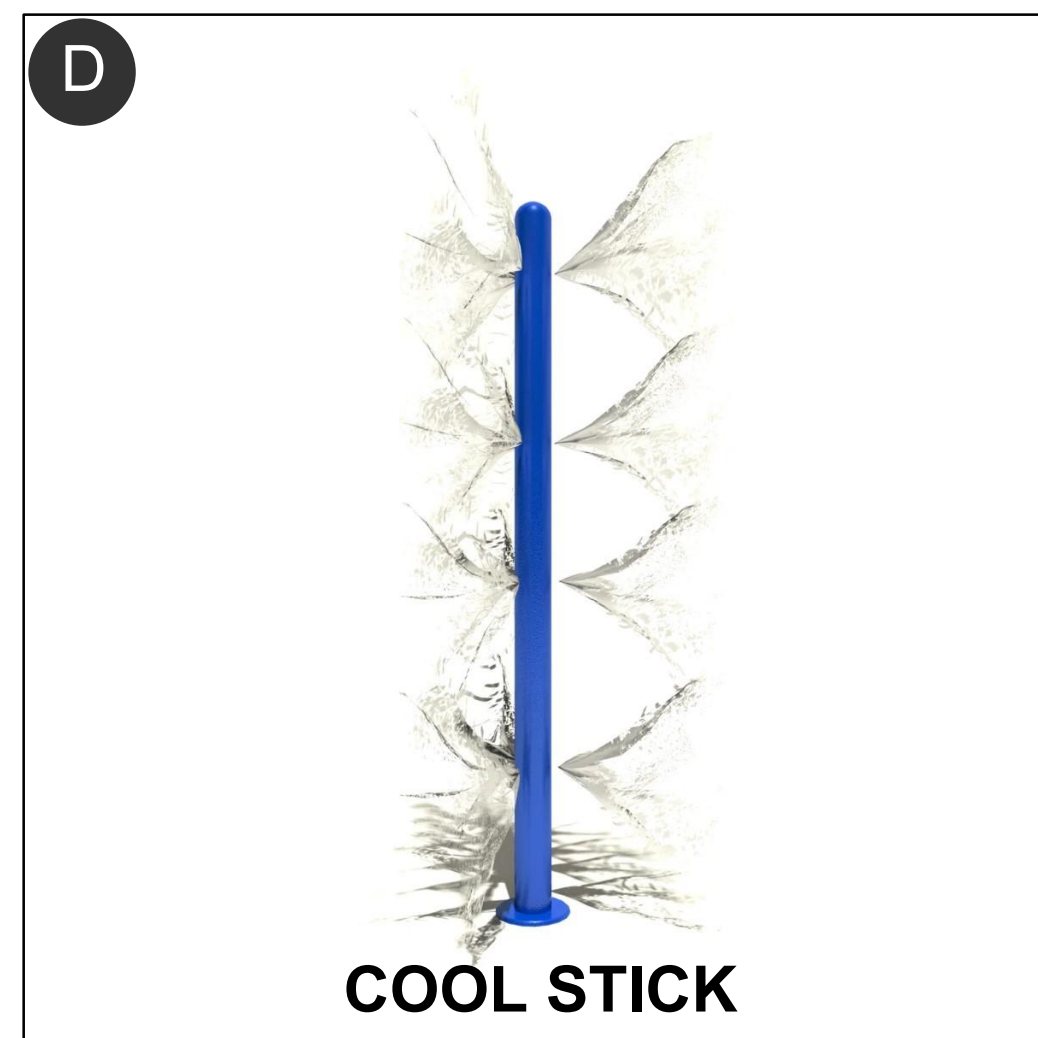
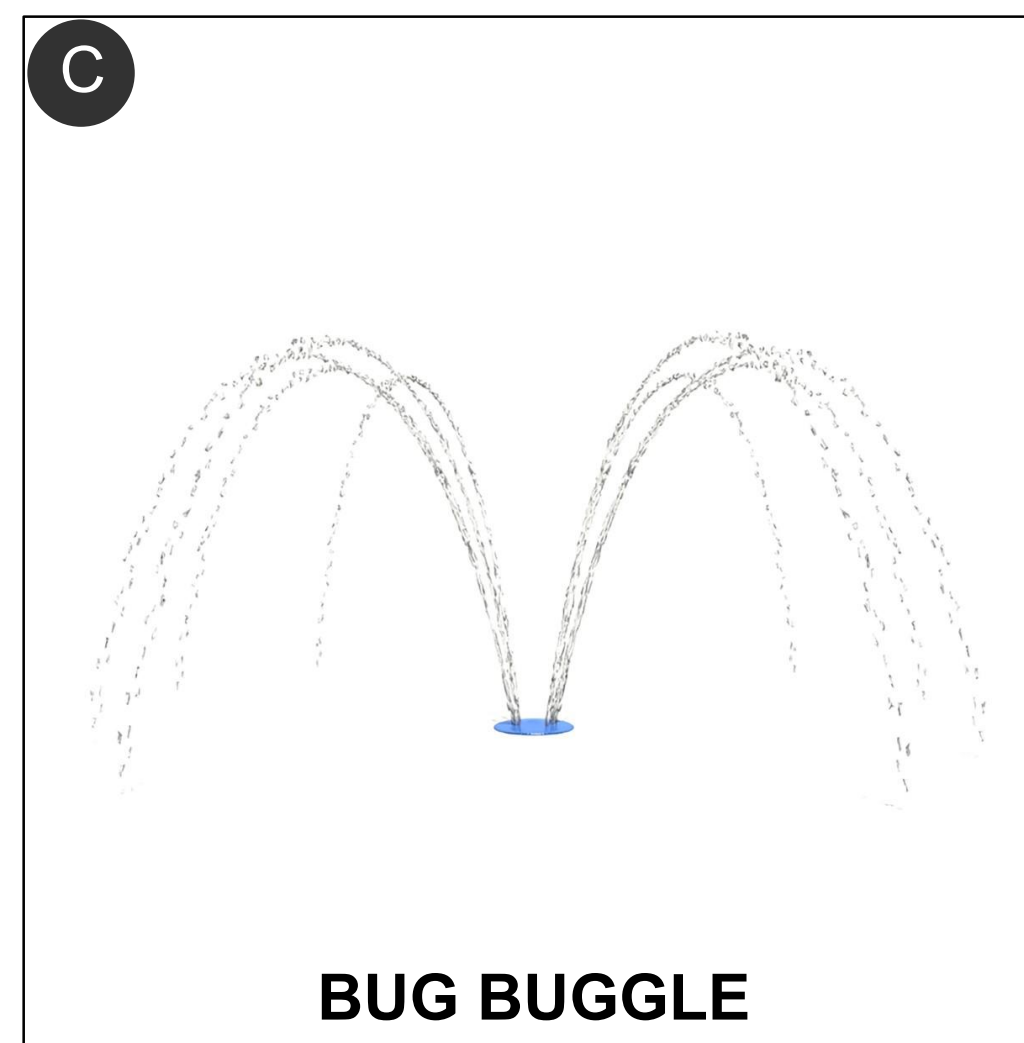
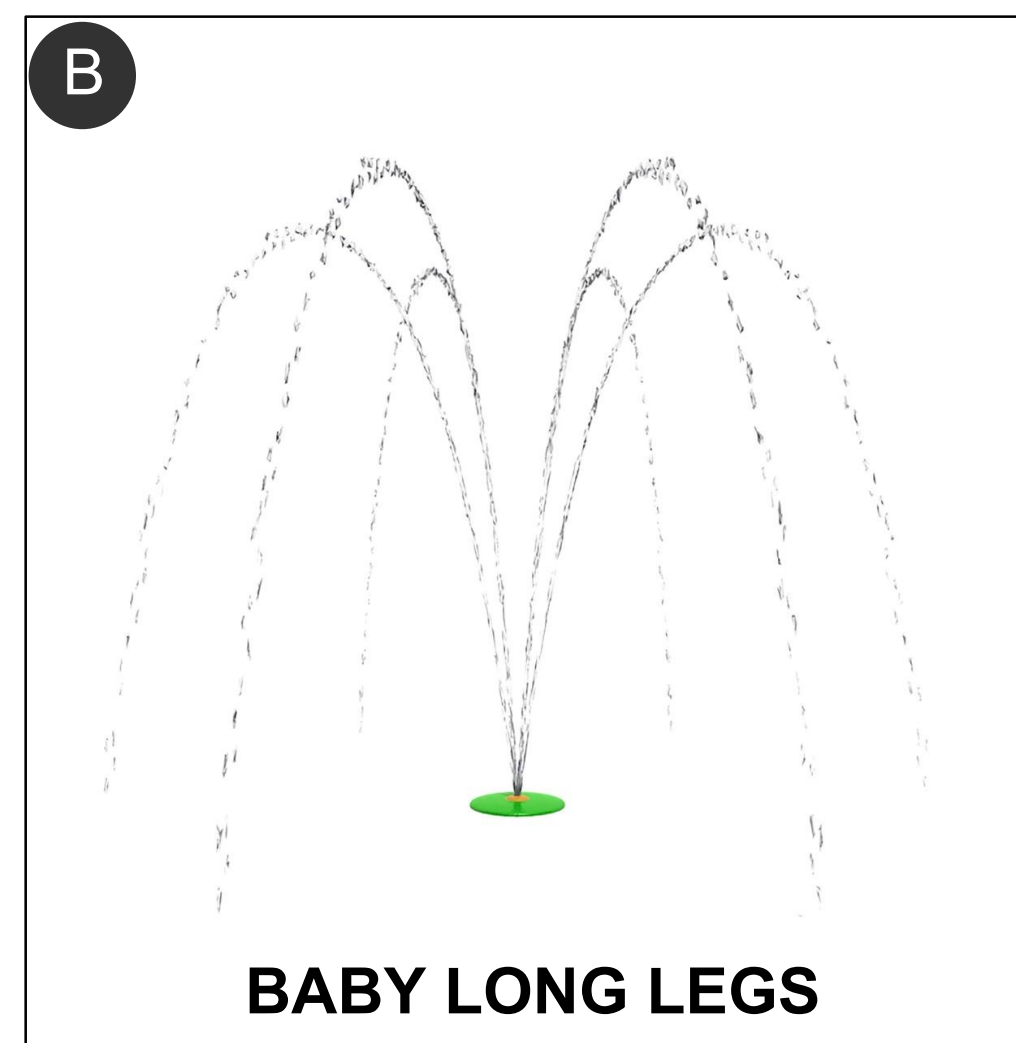
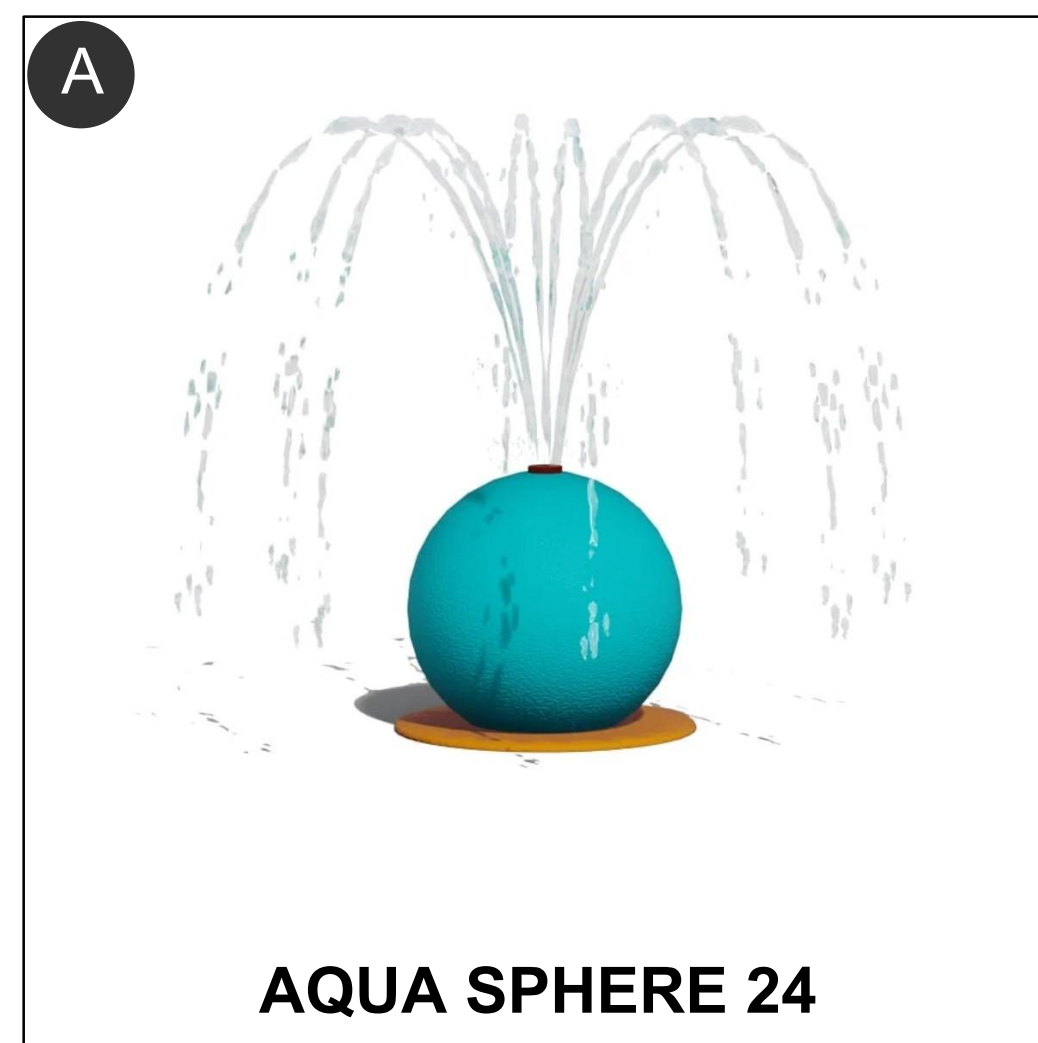
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Issue: DESIGN DEVELOPMENT

SPRAYPAD
PLAN

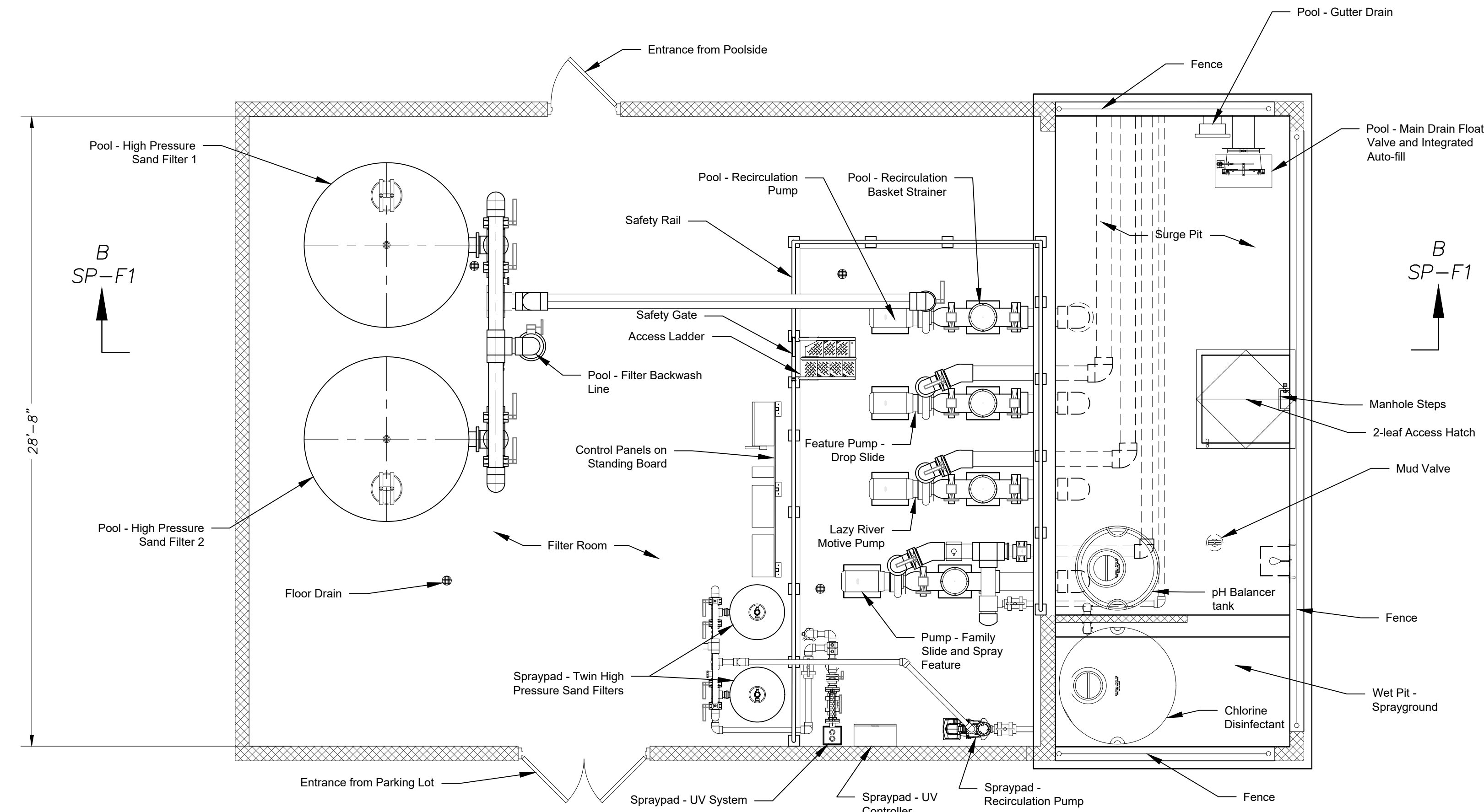
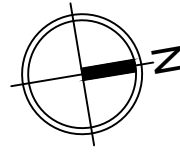
SP-P2

Waters Edge Aquatic Design
© 2023

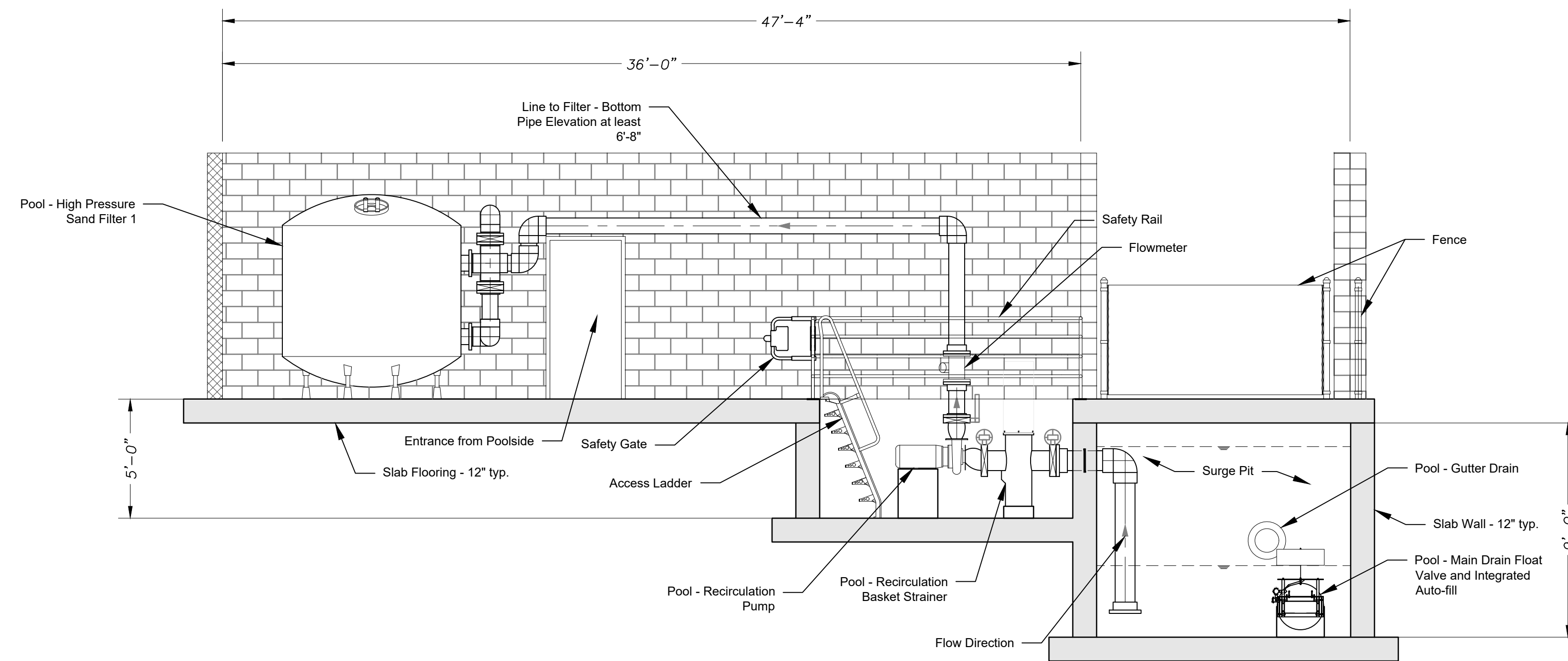


WATER FEATURE FLOW DATA			
Description	Flow	Quantity	Total Flow
SPRAYPAD			
Arch Spray	5 GPM	3	15 GPM
Aqua Sphere 24	5 GPM	1	5 GPM
Baby Long legs	18 GPM	1	18 GPM
Bug Buggle	16 GPM	1	16 GPM
Cool Stick	12 GPM	1	12 GPM
Curvy Cool	26 GPM	1	26 GPM
Dandelion Dome	5 GPM	1	5 GPM
Mission Hill Mister	13 GPM	1	13 GPM
Mission Hill Spill	40 GPM	1	40 GPM
Water Crown	29 GPM	1	29 GPM
TOTAL		12	179 GPM





(A) FILTER AREA PLAN
Scale: 1/4"=1'-0"



(B) FILTER AREA SECTION
Scale: 1/4"=1'-0"

LANSING, KANSAS
Lansing Aquatic Center
2023

Revisions:

#	Description	Date

Seal:

seal/signature
must fit here...
erase box and text
when complete

JEFF BARTLEY-ENGINEER
LICENSE #15116

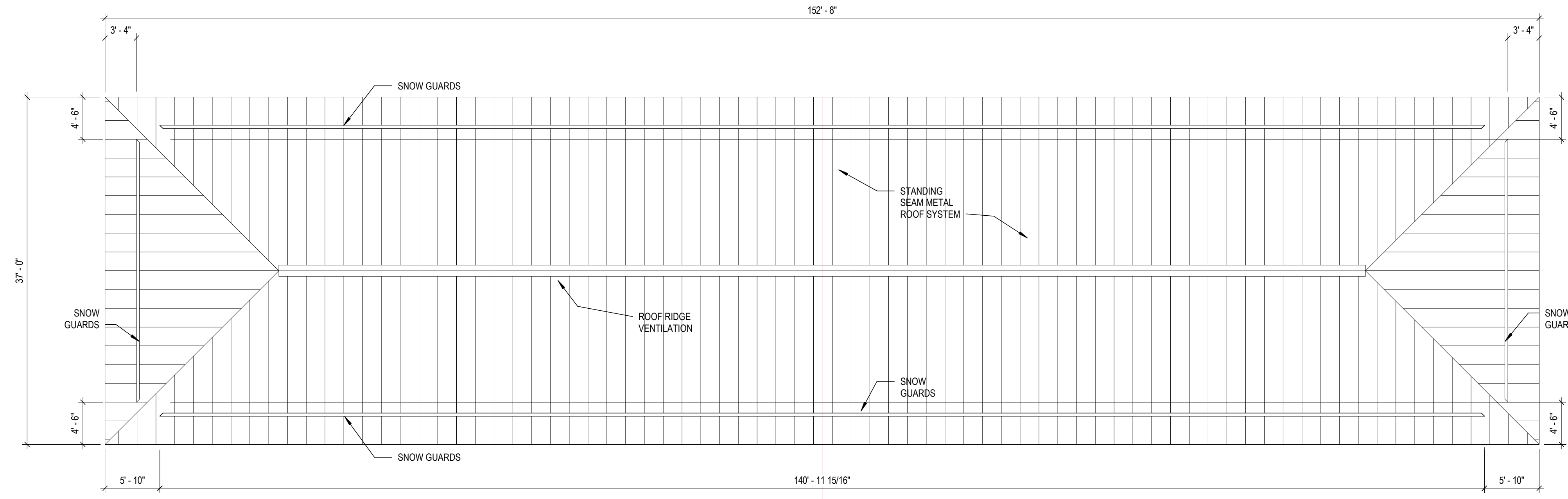
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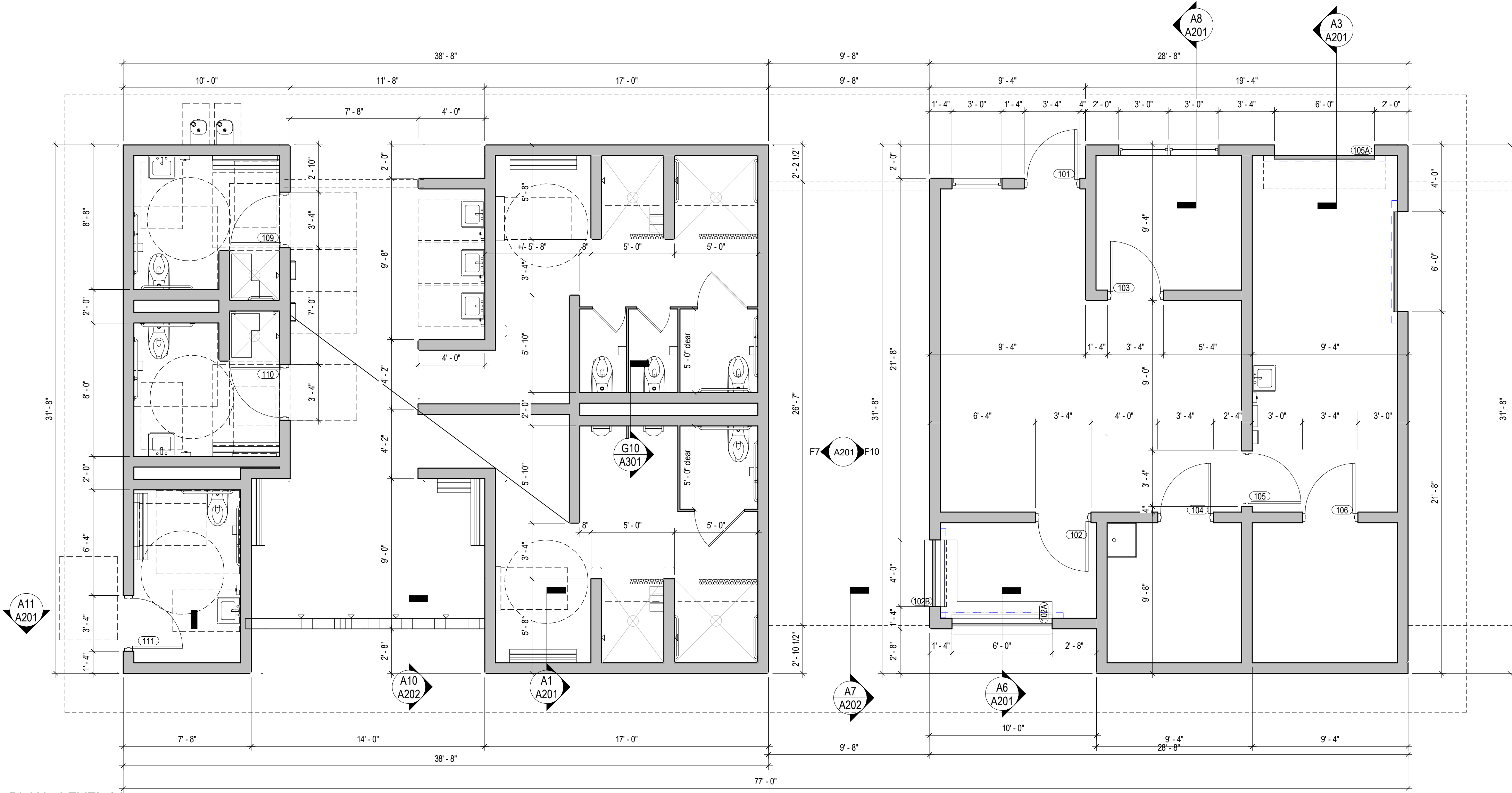
Issue: DESIGN DEVELOPMENT

FILTER AREA
PLAN

SP-F1



F7 Roof
1/8" = 1'-0"



A1 PLAN - LEVEL 01
1/4" = 1'-0"

ROOM FINISH AND MATERIALS LEGEND

SC-1	SEALED CONCRETE TYPE - 1	033300
CL-1	INTERIOR CEILING - 1	064600
CL-2	INTERIOR CEILING - 2	?
DC-1	DECORATIVE CMU TYPE - 1	042000
FC-1	FIBER CEMENT SOFFIT	074646
RP-1	METAL ROOF PANEL	074113
P-1	PAINT COLOR TYPE - 1	099113
P-2	PAINT COLOR TYPE - 2	099113
P-3	PAINT COLOR TYPE - 3	099113
HPC-1	HIGH PERFORMANCE COATING	099600

Room Finish Schedule					
Room Number	Room Name	Floor Finish	Wall Finish	Ceiling Finish	Comments
100	Entry	SC-1	P-1	FC-1	
101	Lifeguards	SC-1	P-1	CL-1	
102	Admissions	SC-1	P-1	CL-1	
103	Office	SC-1	P-1	CL-1	
104	Storage/Utility	SC-1	P-1	CL-1	
105	Concessions	SC-1	P-1	CL-1	
106	Food Storage	SC-1	P-1	CL-1	
107	Women's Restroom	SC-1	P-1	CL-2	
108	Men's Restroom	SC-1	P-1	CL-2	
109	Family Restroom	SC-1	P-1	CL-2	
110	Family Restroom	SC-1	P-1	CL-2	
111	Family Restroom	SC-1	P-1	CL-2	

LANSING, KANSAS
Lansing Aquatic Center
2023

Revisions:

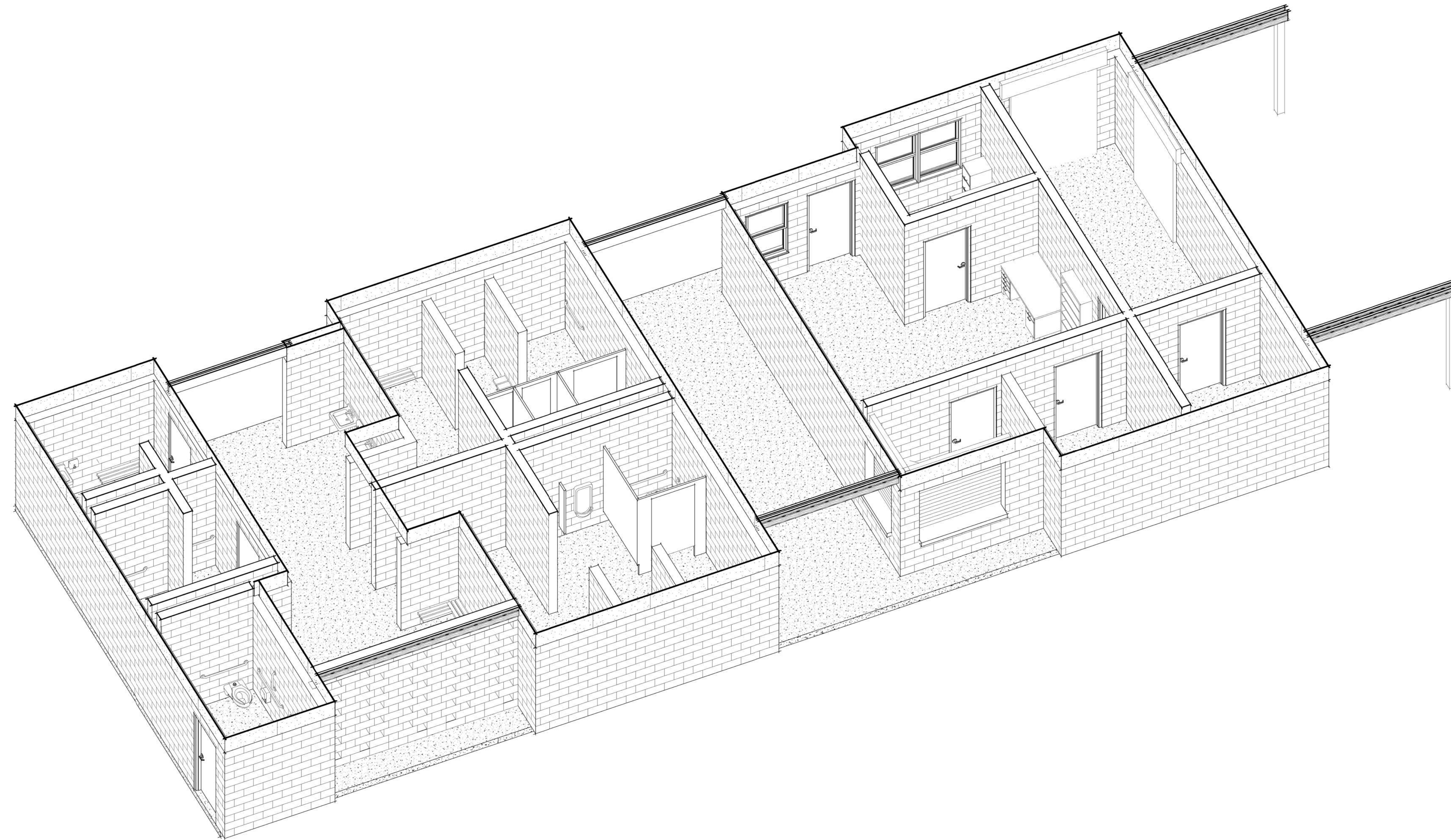
#	Description	Date

PAUL MINTO ARCHITECT
LICENSE #3118
Date: 09-19-2023 Job #: 22-548
Drawn: Checked:

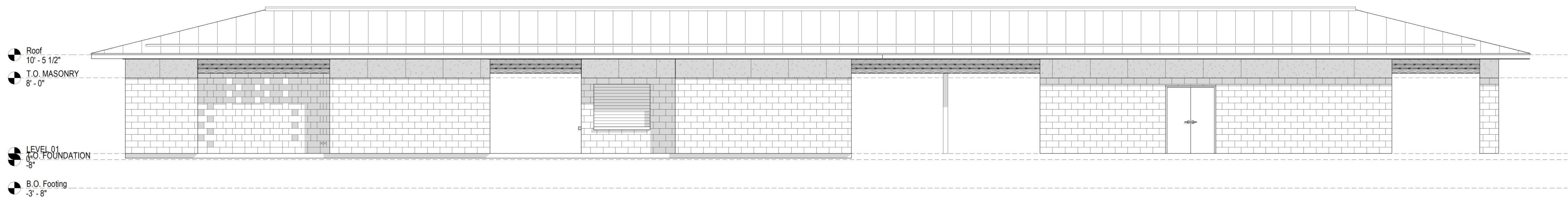
ISSUES: DESIGN DEVELOPMENT

FLOOR PLAN - LEVEL 01,
RCP, & ROOF

A103



1 3D - Axonometric Plan



2 3D - Entry Elevation

LANSING, KANSAS
Lansing Aquatic Center
2023

Revisions:

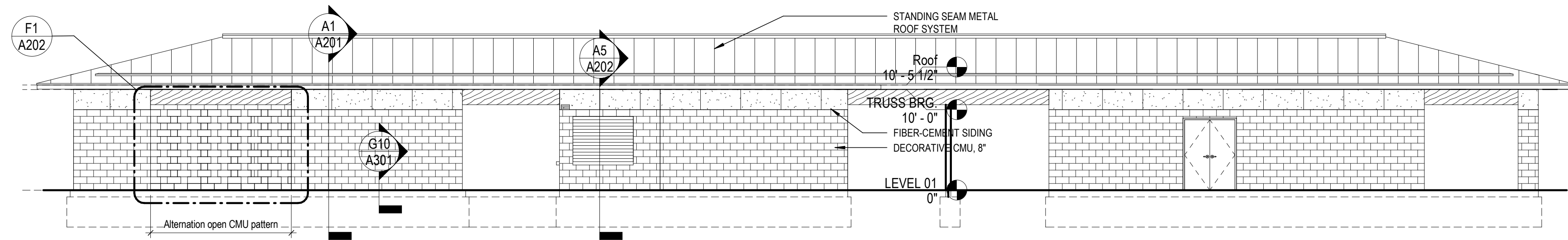
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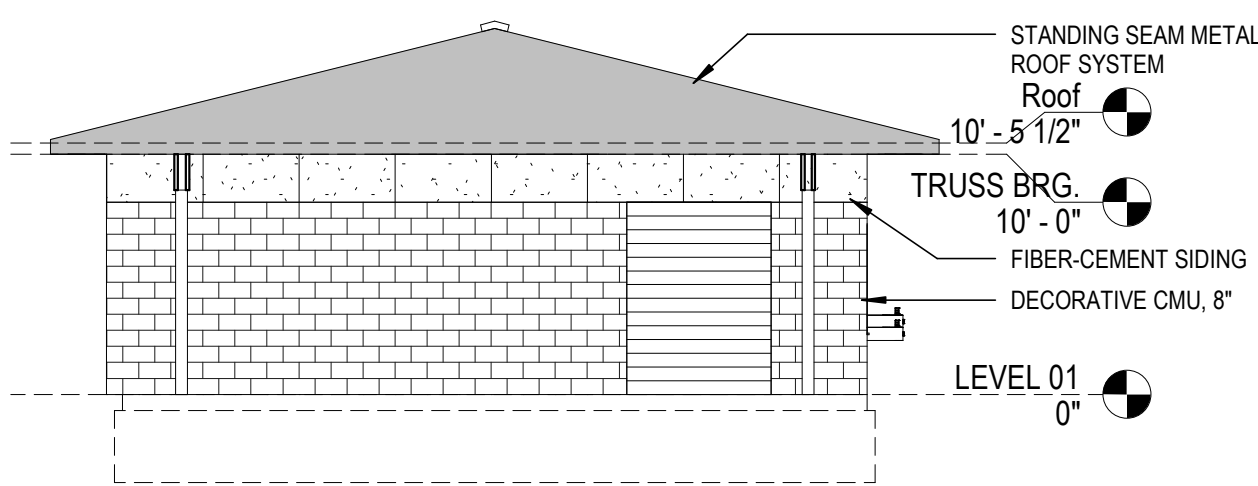
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Drawn: Checked:

ISSUE: DESIGN DEVELOPMENT

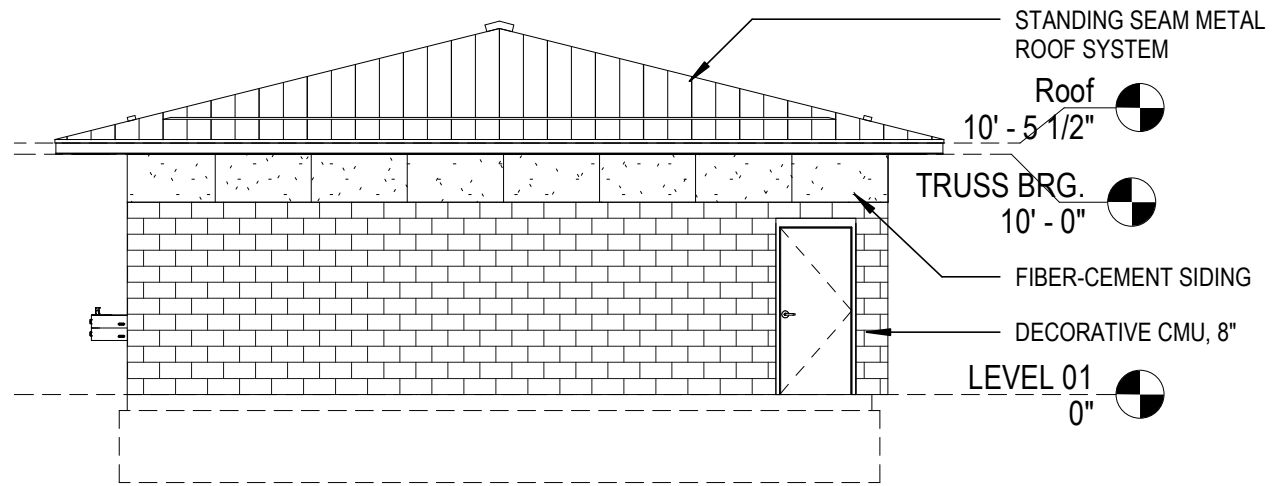
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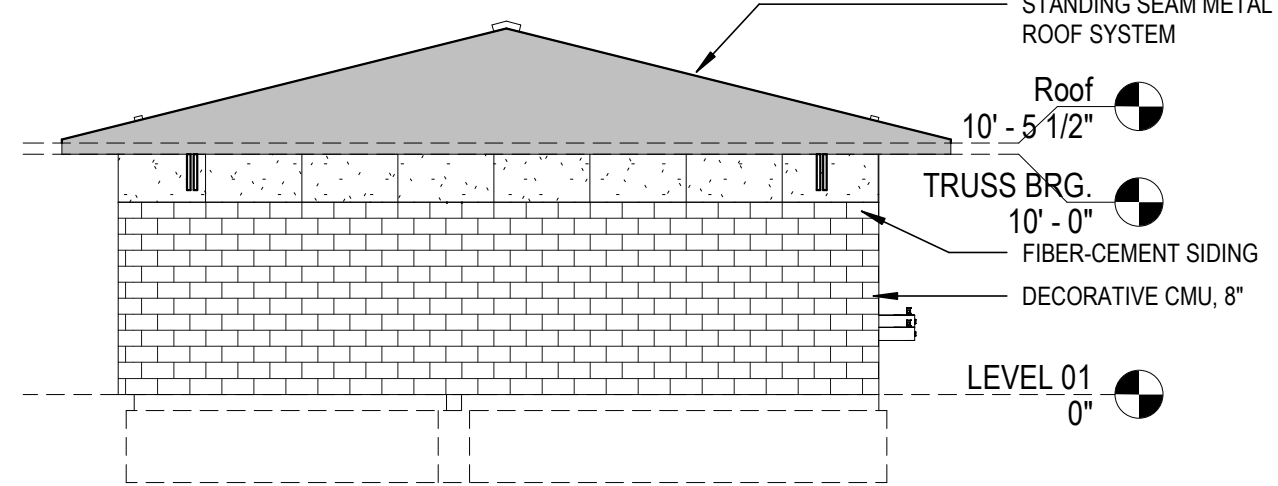
H7 ELEVATION - SOUTH
1/8" = 1'-0"



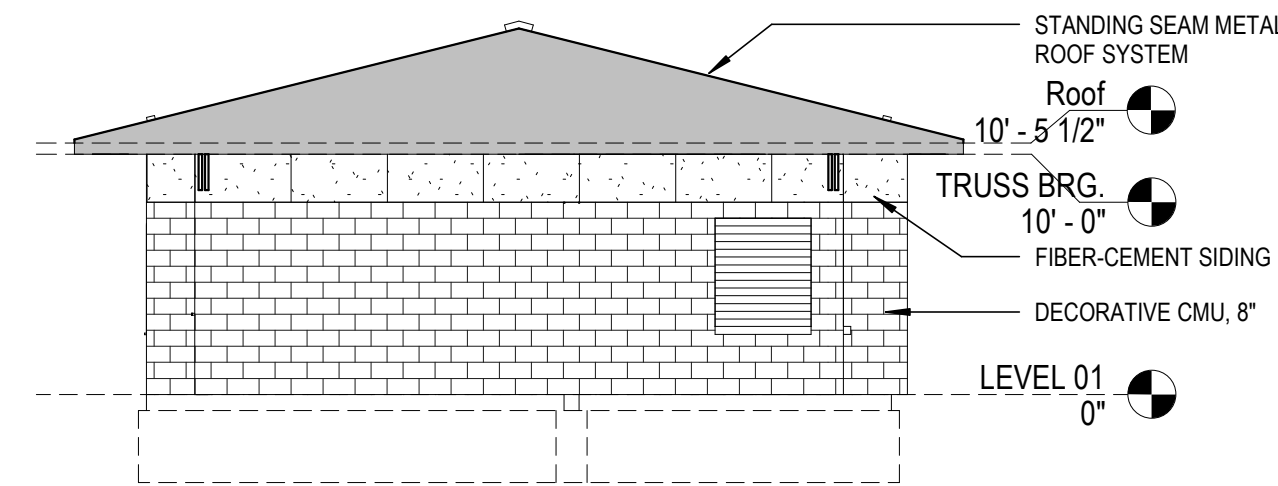
F1 ELEVATION - EAST
1/8" = 1'-0"



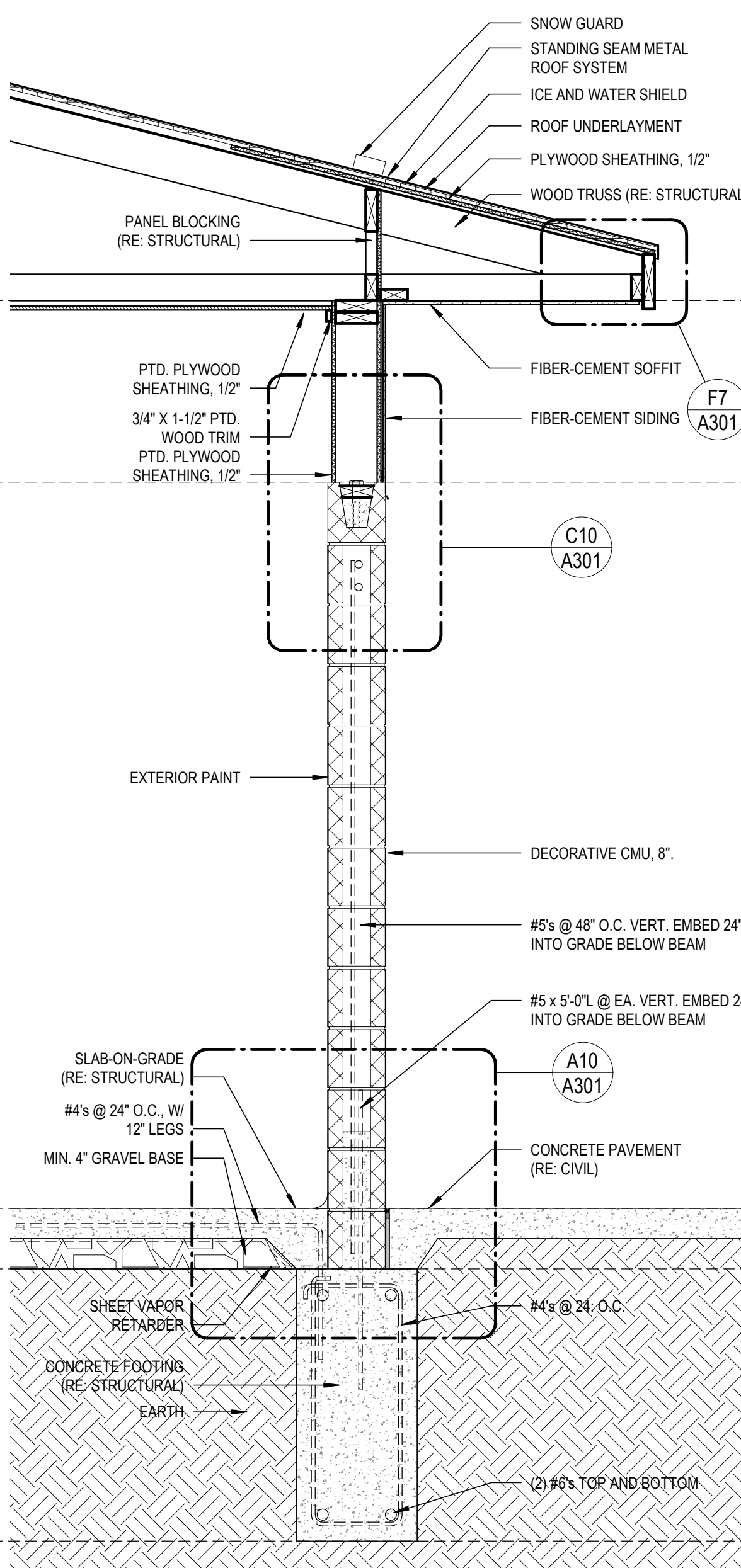
F4 ELEVATION - WEST
1/8" = 1'-0"



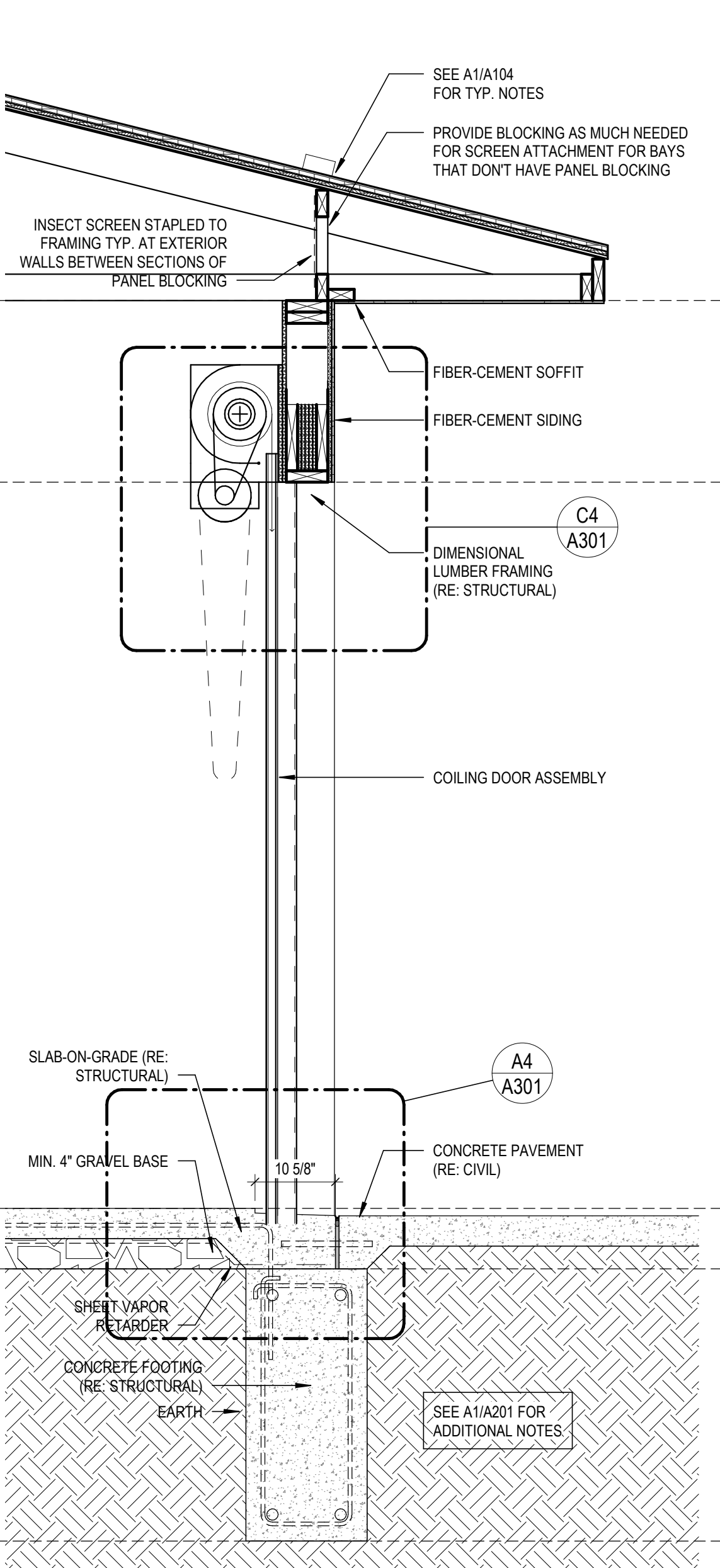
F7 ELEVATION - ENTRY CORRIDOR - EAST
1/8" = 1'-0"



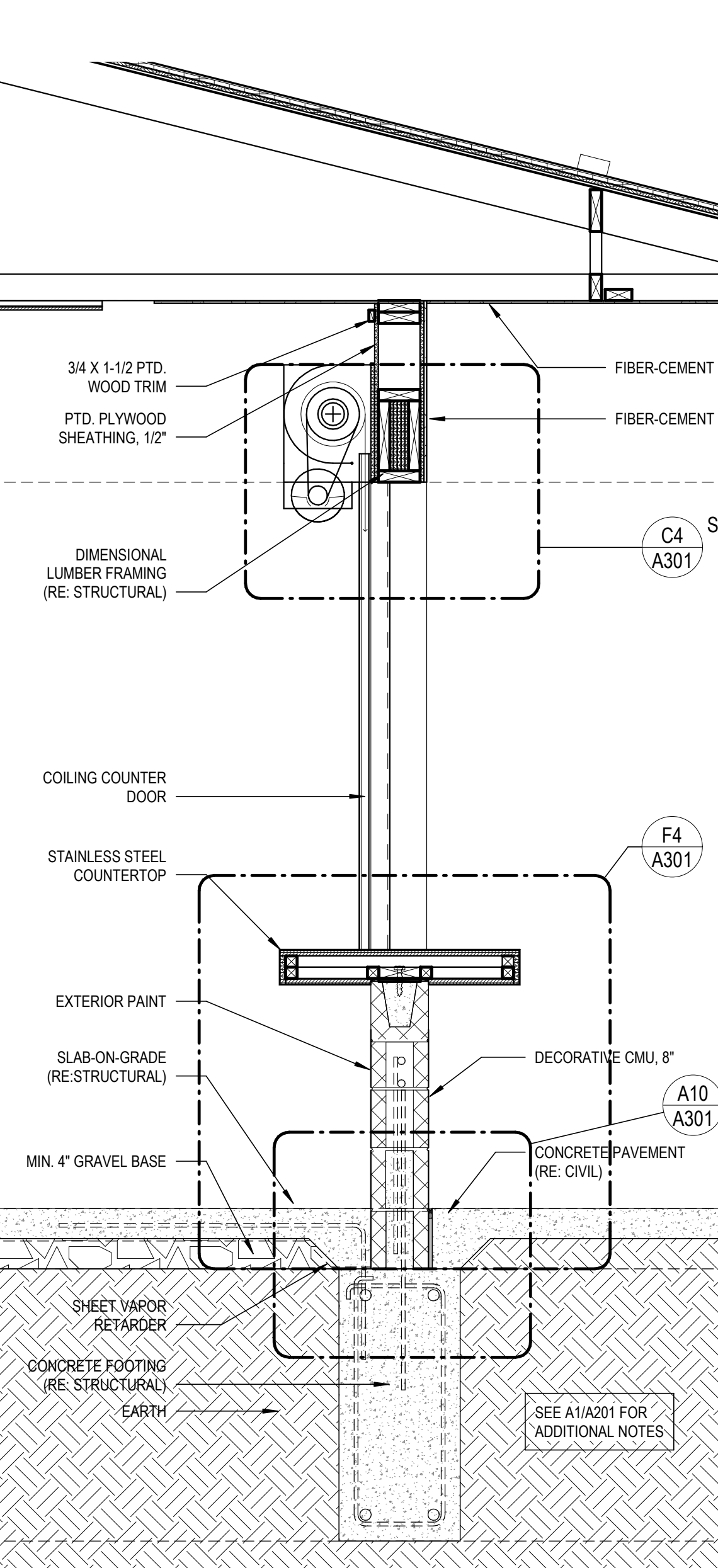
F10 ELEVATION - ENTRY CORRIDOR - WEST
1/8" = 1'-0"



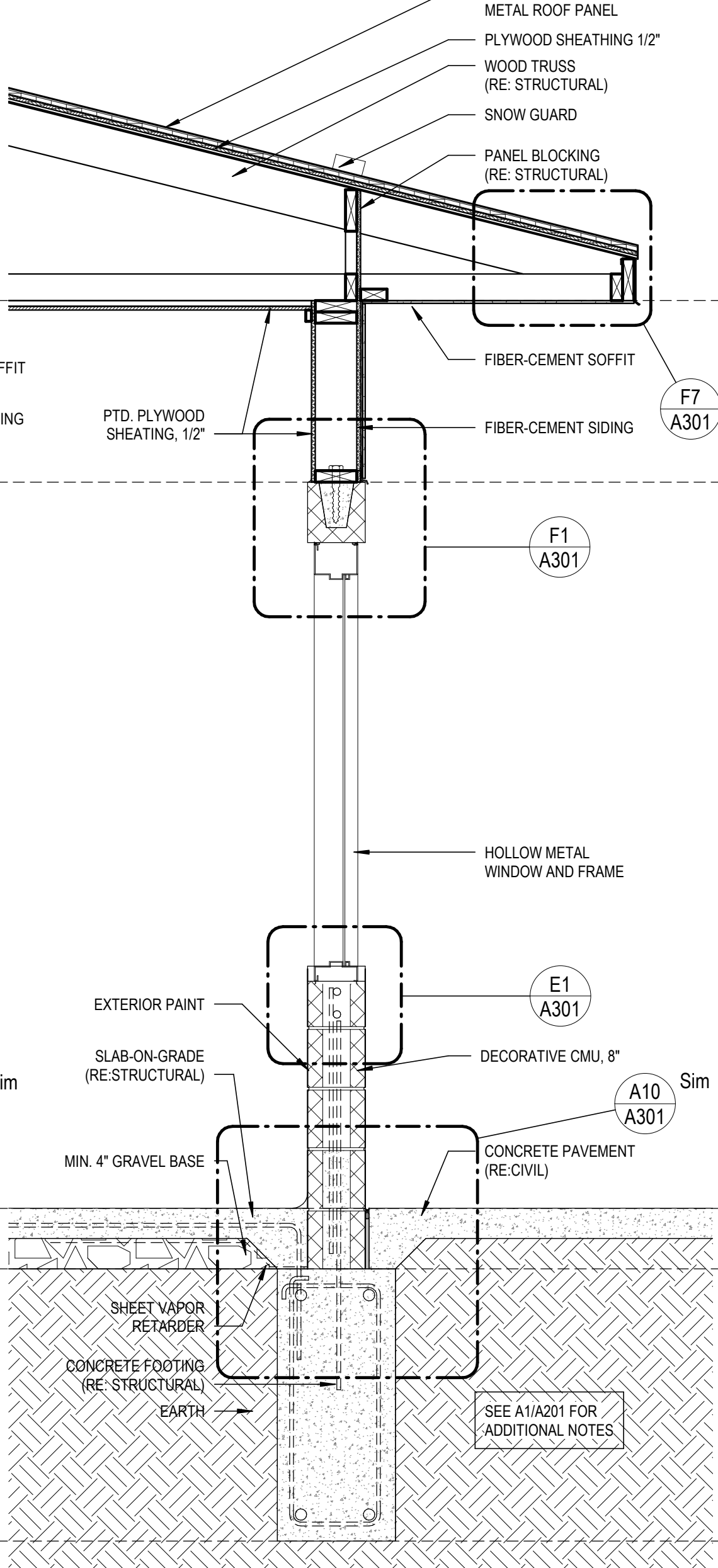
A1 SECTION - WALL TYPICAL - EXTERIOR
3/4" = 1'-0"



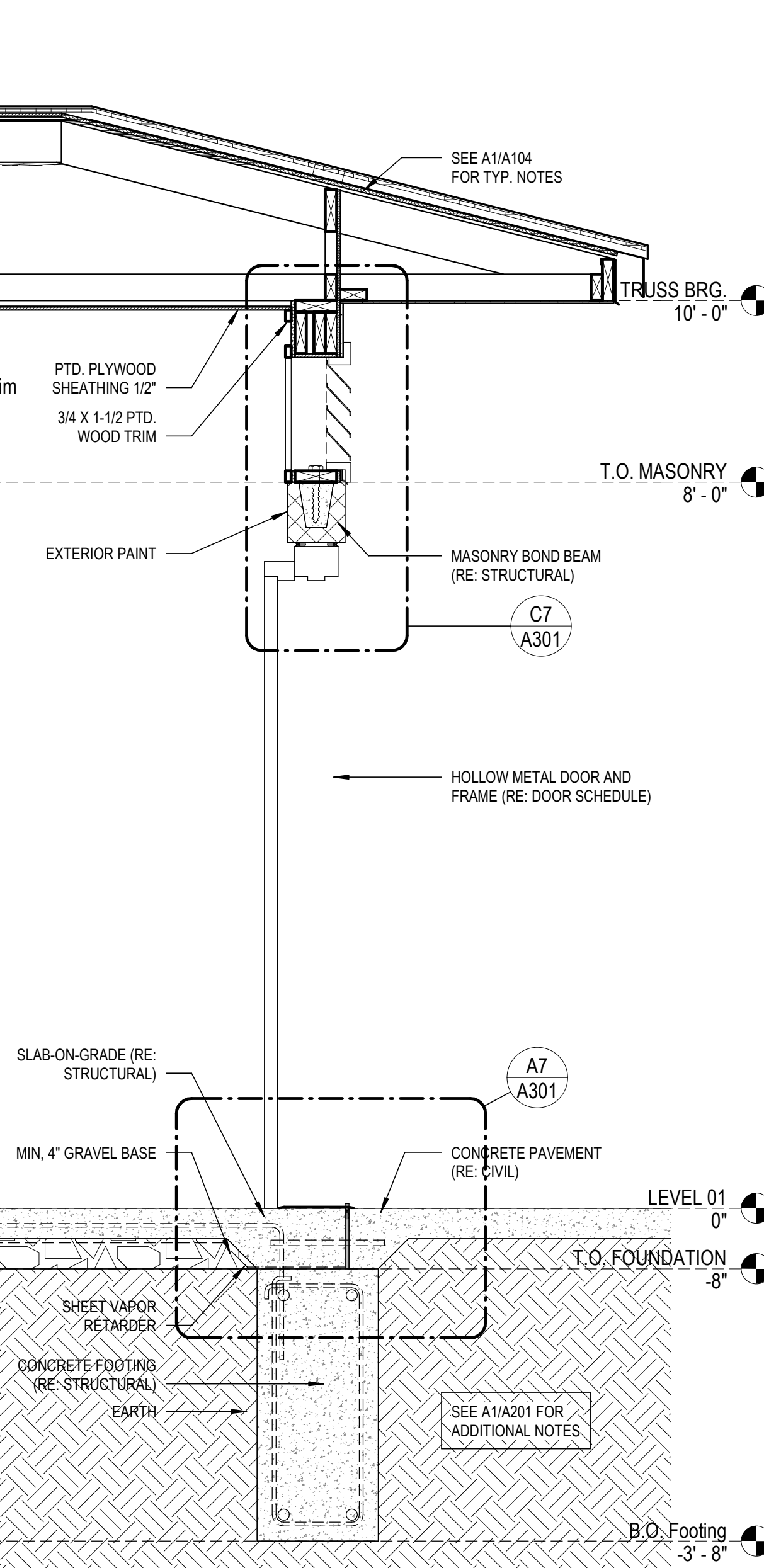
A3 SECTION - WALL TYPICAL - O.H. DOOR
3/4" = 1'-0"



A6 SECTION - WALL TYPICAL - O.H. COUNTER
3/4" = 1'-0"



A8 SECTION - WALL TYPICAL - WINDOW
3/4" = 1'-0"



A11 SECTION - WALL TYPICAL - DOORWAY
3/4" = 1'-0"

LANSING, KANSAS
Lansing Aquatic Center
2023

Revisions:		
#	Description	Date

Seal:

PAUL MINTO ARCHITECT
LICENSE #3118
Date: 09-19-2023 Job #: 22-548
Drawn: Checked:
ISSUE: DESIGN DEVELOPMENT

ELEVATIONS/WALL SECTIONS