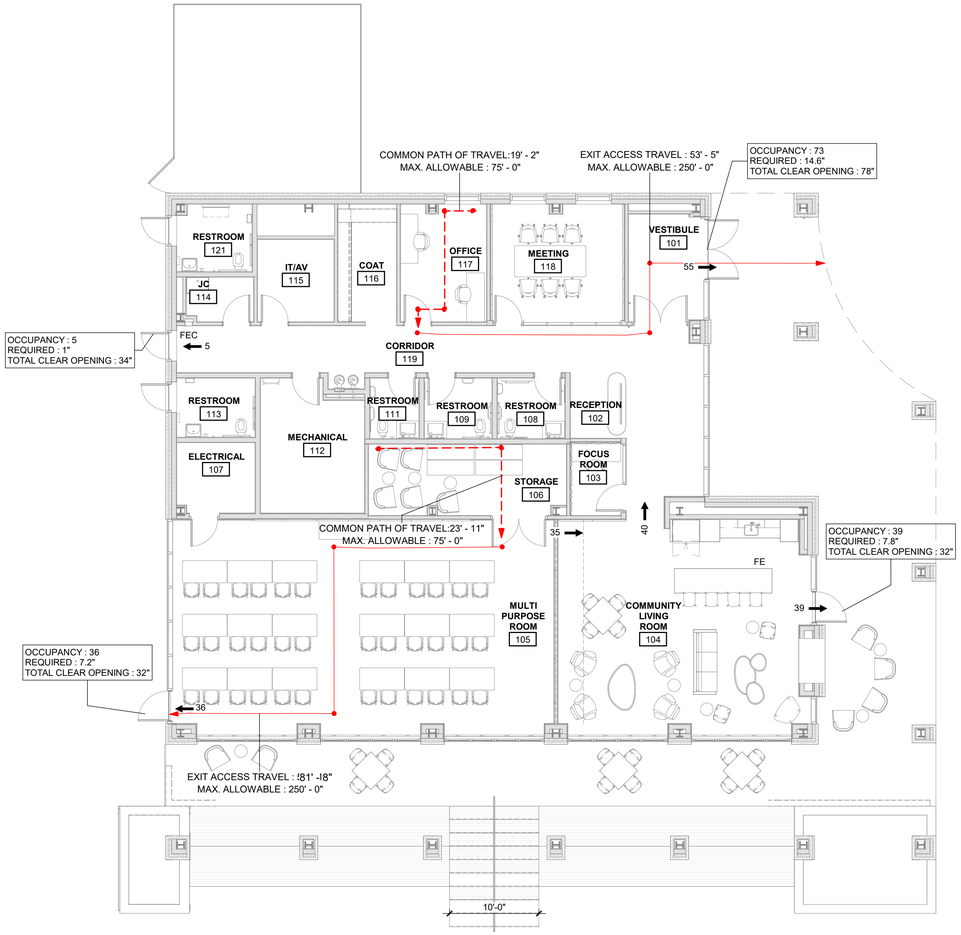


NORTH

LAKE HOUSE

LIFE SAFETY PLAN - AREA A

SCALE: 1/8" = 1'-0"

CODE LEGEND

# →	ROOM EXITS; # INDICATES OCCUPANT LOAD
FE	FIRE EXTINGUISHER (BRACKET MOUNTED)
FEC	FIRE EXTINGUISHER CABINET
OCCUPANCY : ## REQUIRED : ##" TOTAL CLEAR OPENING : ##"	NUMBER OF OCCUPANTS IN SPACE REQUIRED EGRESS WIDTH (0.15", 0.2", 0.3") TOTAL CLEAR OPENING WIDTH PROVIDED
COMMON PATH OF TRAVEL:X'-X" MAX. ALLOWABLE : X'-X"	COMMON PATH OF TRAVEL : DISTANCE TO REACH A POINT WHERE TWO SEPARATE PATHS TO EXITS ARE AVAILABLE. MAXIMUM ALLOWABLE DISTANCE PER CODE
EXIT ACCESS TRAVEL : X'-X" MAX. ALLOWABLE : X'-X"	EXIT ACCESS TRAVEL : DISTANCE FROM THE MOST REMOTE POINT TO AN EXIT (INCLUDES COMMON PATH OF TRAVEL) MAXIMUM ALLOWABLE DISTANCE PER CODE

BUILDING CODE INFORMATION

APPLICABLE CODES AND STANDARDS

2021 MICHIGAN BUILDING CODE
2021 MICHIGAN PLUMBING CODE
2021 MICHIGAN MECHANICAL CODE
2023 NATIONAL ELECTRICAL CODE (WITH MICHIGAN AMENDMENTS PART 8 RULES)
2021 MICHIGAN COMMERCIAL ENERGY CODE
2019 ANSI/ASHRAE/IES STANDARD 90.1
2021 INTERNATIONAL FIRE CODE
2017 ICC A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
2019 NFPA 72, NATIONAL FIRE ALARM CODE

DESCRIPTION / CLASSIFICATION OF WORK

THE INTENT OF THIS PROJECT IS TO DEVELOP A NEW PUBLIC SPACE AT BELLEVILLE LAKE WITHIN VAN BUREN TOWNSHIP. THE PROJECT INCLUDES THE CONSTRUCTION OF TWO NEW BUILDINGS AND ASSOCIATED SITE IMPROVEMENTS TO SUPPORT COMMUNITY USE AND PUBLIC ACCESS.

LAKE HOUSE IS A NEW ONE-STORY BUILDING DESIGNED TO ACCOMMODATE PUBLIC GATHERINGS AND COMMUNITY EVENTS.

ITEM				CODE REFERENCE
MBC CHAPTER 3 - USE AND OCCUPANCY CLASSIFICATION				
USE GROUP: A3 ASSEMBLY (LECTURE HALLS)				302 & 303.4
B BUSINESS (ACCESSORY < 10%)				302 & 304.1
CONSTRUCTION TYPE				
TYPE IIB NONCOMBUSTIBLE, SPRINKLERED				602.2
MBC CHAPTER 5 - GENERAL BUILDING HEIGHTS AND AREAS				
ALLOWABLE HEIGHT:	75 FEET	3 STORIES		TABLE 504.3
ACTUAL HEIGHT:	21 FEET	1 STORY		& 504.4
ALLOWABLE AREA (PER STORY):				TABLE 506.2
A3 ASSEMBLY 38,000 SF				
ACTUAL AREA (SF):	4,044 SF FIRST FLOOR			
	3,644 SF COVERED EXTERIOR PATIO			
	7,688 SF TOTAL			
MIXED USE AND OCCUPANCY				508
NO SEPARATION REQUIRED FOR ACCESSORY OCCUPANCIES				508.2
AGGREGATE < 10% OF FLOOR AREA OF STORY WHERE LOCATED				508.2.3

MBC CHAPTER 6 - TYPES OF CONSTRUCTION

FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HRS)

ITEM	RATING	PROVIDED	UL NO.	REMARKS
PRIMARY STRUCTURAL FRAME	0	0	--	TABLE 601
BEARING WALLS - EXTERIOR	0	0	--	TABLE 601
BEARING WALLS - INTERIOR	0	0	--	TABLE 601
NONBEARING WALLS - EXTERIOR (X>30)	0	0	--	TABLE 705.5
NONBEARING WALLS - INTERIOR	0	0	--	TABLE 601
FLOOR CONSTRUCTION	0	0	--	TABLE 601
ROOF CONSTRUCTION	0	0	--	TABLE 601

COMBUSTIBLE MATERIAL IN TYPE II CONSTRUCTION (WOOD MULLIONS, INTERIOR TRIM) SHALL BE CLASS C AND SHALL NOT EXCEED 10% OF SPECIFIC WALL TO WHICH IT IS ATTACHED — 603.1.8 & 806.7

MBC CHAPTER 9 - FIRE PROTECTION SYSTEMS

AUTOMATIC SPRINKLER SYSTEMS — 903
THIS BUILDING IS EQUIPPED WITH AN AUTOMATIC SPRINKLERED SYSTEM — 903.1.1

MBC CHAPTER 10 - MEANS OF EGRESS

DESIGN OCCUPANT LOAD — TABLE
MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT — 1004.1.2

FUNCTION OF SPACE	TOTAL AREA GROSS/NET	AREA PER OCCUPANT	OCCUPANT LOAD
ASSEMBLY, UNCONCENTRATED	1,950	15 GROSS	130
BUSINESS AREAS (RECEPTION/OFFICE/FOCUS)	234	150 GROSS	2
ACCESSORY STORAGE, MECH EQUIPMENT	694	300 GROSS	3
TOTALS	2,878 GSF		135 OCC

MEANS OF EGRESS COMPONENTS (SPRINKLERED*) — 1005.3.1 & 1005.3.2

COMPONENT	OCCUPANTS	WIDTH	REQUIRED	PROVIDED
EXTERIOR EXIT DOORS	135	0.2"	27"	176" CLEAR

MBC CHAPTER 29 - PLUMBING SYSTEMS

2021 MICHIGAN PLUMBING CODE — TABLE 403.1
MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES

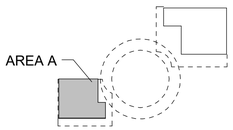
TOTAL OCCUPANTS: 135 = 68 EACH GENDER A2

TWO SINGLE-OCCUPANT EXTERIOR RESTROOMS ARE EXCLUDED FROM THE REQUIRED FIXTURE COUNT CALCULATION.

TOTAL FIXTURES

	REQUIRED		PROVIDED	
MALE	1 WC	1 LAV	0 WC + 0 UR	0 LAV
FEMALE	2 WC	1 LAV	0 WC	0 LAV
SINGLE-OCCUPANT RESTROOM			3 WC	3 LAV
TOTAL	3 WC	2 LAV	3 WC + 0 UR	3 LAV
	1 DF		1 DF	
	1 SS		1 SS	

KEY PLAN



NORTH

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	IOLKHOVESKA
Designer	IOLKHOVETSKA
Reviewer	WLRAPSON
Manager	CKRETOVIC

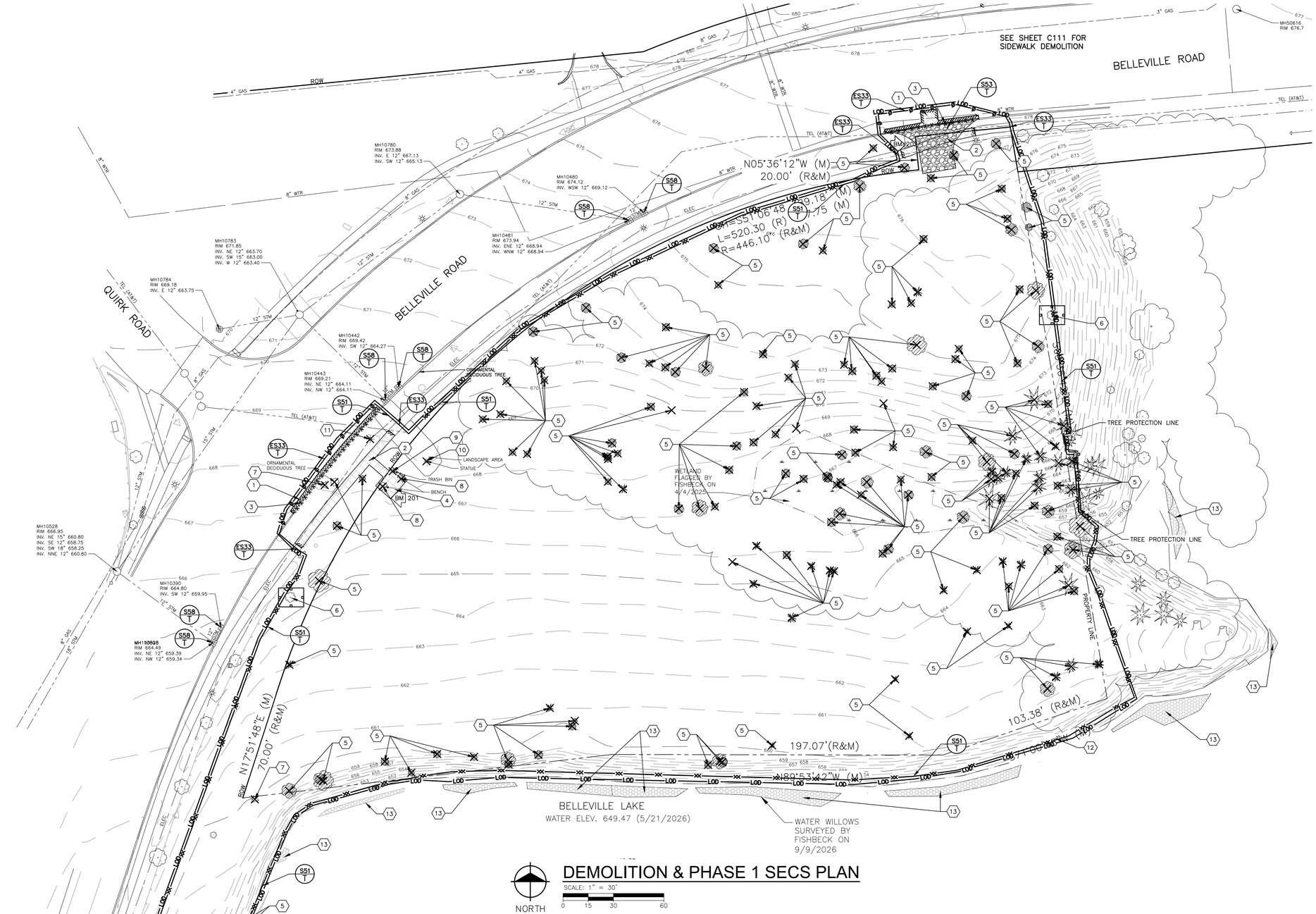
Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

SHEET NO.
G201

©Copyright 2026
All Rights Reserved

PLOT INFO: 10/27/2026 2:55:09 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_A_2500281.rvt



DEMOLITION & PHASE 1 SECS PLAN

SCALE: 1" = 30'

0 15 30 60

NORTH

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES

KEY	DESCRIPTION	DETAIL	CHARACTERISTICS
ES33	FILTER SOCKS		In areas requiring immediate protection of slopes against surface erosion and gully formation and for perimeter sediment control. (Bioengineering)
S51	SILT FENCE		Use adjacent to critical areas, to prevent sediment laden sheet flow from entering these areas.
S53	STABILIZED CONSTRUCTION ACCESS		Used at every point where construction traffic enters or leaves a construction site.
S58	INLET PROTECTION FABRIC DROP		Use at stormwater inlets, especially at construction sites.

(XX T) TEMPORARY MEASURE

(XX P) PERMANENT MEASURE

SECS NOTES

1. MAINTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) ON THE SITE FOR THE DURATION OF CONSTRUCTION, IF REQUIRED. ADHERE TO THE SWPPP DURING CONSTRUCTION OPERATIONS.
2. MAINTAIN AND REPAIR ALL SESC BEST MANAGEMENT PRACTICES BMPS DURING CONSTRUCTION UNTIL ALL VEGETATION IS ESTABLISHED. (ALL DISTURBED SOIL SURFACES ARE UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER, OR AS DEFINED BY PERMIT.)
3. PERFORM ALL EARTH-DISTURBING CONSTRUCTION ACTIVITIES WITHIN THE LIMITS OF DISTURBANCE AS INDICATED ON THE DRAWINGS.
4. REVIEW THE LIMITS OF DISTURBANCE SHOWN ON THE DRAWINGS AND FIELD-STAKING THE LIMIT OF DISTURBANCE LINE PRIOR TO THE START OF CONSTRUCTION AND/OR CONTRACTORS OPERATIONS AT NO ADDITIONAL COST TO OWNER.
5. INSTALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO THE START OF ANY LAND CLEARING OR GRADING ACTIVITIES.
6. APPLY TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE DRAWINGS AND/OR AS REQUIRED BY SESC PERMIT AND IMPLEMENT ADDITIONAL MEASURES AS DICTATED BY SITE CONDITIONS.
7. ENSURE THAT ANY SEDIMENTATION RESULTING FROM WORK ON THIS SITE IS CONTAINED ON THE SITE AND NOT ALLOWED TO COLLECT ON ANY OFF-SITE AREAS OR IN WATERWAYS.
8. LEAVE SLOPES IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
9. LOCATE LAY DOWN, STAGING AND STOCKPILE AREAS WITHIN THE PERMITTED LIMITS OF DISTURBANCE.
10. INSTALL SILT FENCE AROUND THE PERIMETER OF ON-SITE SOIL STOCKPILE AREAS IF RUNOFF CAN IMPACT A STABILIZED PART OF THE SITE, OR LEAVE THE SITE. ADDITIONALLY, INACTIVE PORTIONS OF THE STOCKPILE AREAS ARE TO BE STABILIZED AS REQUIRED BY PERMIT.
11. IMPLEMENT TEMPORARY STABILIZATION MEASURES ON ANY DISTURBED AREAS WHERE CONSTRUCTION ACTIVITIES WILL NOT RESUME FOR 14 DAYS OR MORE. IMPLEMENTATION OF TEMPORARY STABILIZATION MEASURES MUST BE INITIATED IMMEDIATELY AND COMPLETED WITHIN SEVEN (7) DAYS FROM WHEN CONSTRUCTION ACTIVITIES TEMPORARILY CEASED ON ANY PORTION OF THE SITE. APPLY 3-5 LBS/1000 SFT. TEMPORARY SEED AND STRAW MULCH OVER DISTURBED AREA.
12. TOPSOIL AND SEED ALL EXPOSED AREAS WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE CONCLUSION OF FINAL GRADING IN THAT AREA.
13. REGULARLY CHECK SEEDED AREAS TO SEE THAT A GOOD STAND OF VEGETATION IS "ESTABLISHED". VEGETATION WILL NOT BE CONSIDERED "ESTABLISHED" UNTIL 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED WITH PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER. FERTILIZE, WATER, RESEED AND MULCH AS NEEDED.
14. MINIMIZE TRACKING OF SOIL AND SEDIMENT ONTO OFF-SITE ROADWAYS THROUGH THE USE OF APPROPRIATE MEASURES. IMMEDIATELY REMOVE ANY SOIL OR SEDIMENT TRACKED ONTO THE ROADWAYS.
15. NO VEHICLES AND EQUIPMENT CLEANING IS ALLOWED AT LOCATIONS WHERE RUNOFF COULD FLOW DIRECTLY INTO A WATER COURSE OR DOWNSTREAM STORM SEWER.
16. CONTRACTOR TO USE APPROPRIATE MEASURES DURING CONSTRUCTION TO CONTROL AIRBORNE SEDIMENTATION INCLUDING WATERING EXPOSED SOILS, PLACING WIND FENCING, PLANTING TEMPORARY VEGETATION, ETC.
17. SITE SOILS: CL AND ML-CL
18. LIMITS OF DISTURBANCE: 3.61
19. PROXIMITY TO NEAREST BODY OF WATER: < 500 FEET

BENCH MARKS

BENCH MARK 201 ELEVATION: 668.38
MAG NAIL IN SOUTHEASTERLY CORNER OF CONCRETE PAD ON SOUTHERLY SIDE OF BELLEVILLE ROAD, DIRECTLY ACROSS FROM QUIRK ROAD (TO BE REMOVED)

BENCH MARK 202 ELEVATION: 679.17
ARROW ON HYDRANT ON SOUTHERLY SIDE OF BELLEVILLE ROAD 400' EAST OF INTERSECTION OF BELLEVILLE ROAD AND QUIRK ROAD

DEMOLITION SYMBOL LEGEND

- SAWCUT
- CURB REMOVAL
- REMOVE PIPE
- REMOVE OBJECT
- REMOVE CONCRETE PAVEMENT
- TREE PROTECTION
- TREE REMOVAL

SECS SYMBOL LEGEND

- EXISTING MAJOR CONTOUR (-725-)
- EXISTING MINOR CONTOUR (-724-)
- SILT FENCE
- EROSION EEL OR FILTER LOG
- LOD — LIMITS OF DISTURBANCE

DEMOLITION NOTES

1. FIELD VERIFY THE EXTENT OF REMOVALS AND DEMOLITION PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF ANY DEVIATIONS FROM INFORMATION SHOWN.
2. PRIOR TO CONSTRUCTION ALL FENCING, BARRICADES, ENCLOSURES, ETC., MUST BE INSTALLED AND APPROVED BY OWNER OR CONSTRUCTION MANAGER.
3. DISPOSE OF DEMOLITION AND EXCAVATION MATERIALS IN ACCORDANCE WITH CONTRACT DOCUMENTS.
4. SOIL EROSION AND SEDIMENTATION CONTROL MEASURES MUST BE IN PLACE PRIOR TO STARTING REMOVALS AND DEMOLITION.
5. UNLESS SPECIFICALLY NOTED FOR REMOVAL ON THE PLANS, PROTECT ALL SIDEWALKS, DRIVES, CULVERTS, DRAINAGE STRUCTURES, AND ABOVE AS WELL AS BELOW GRADE UTILITIES. REMOVE AND REPLACE ALL SUCH ITEMS DAMAGED OR DESTROYED DURING CONSTRUCTION WITH NEW AT NO ADDITIONAL COST TO THE OWNER.
6. PROTECT EXISTING TREES TO REMAIN WITH TEMPORARY FENCING AT THE DRIP LINE. NO GROUND DISTURBANCE OR STORAGE OF MATERIAL/EQUIPMENT SHALL OCCUR WITHIN THE DRIP LINE LIMITS.
7. COORDINATE REMOVAL OR REPLACEMENT OF ELECTRICAL, TELEPHONE, CABLE TV, WATER, FIBER OPTIC CABLE AND/OR GAS LINES WITH THE AFFECTED UTILITY COMPANY. PROVIDE ADEQUATE TIME FOR RELOCATION AND CLOSE COORDINATION WITH THE UTILITY COMPANY AS NECESSARY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE. PAY CLOSE ATTENTION TO EXISTING UTILITIES WITHIN THE CONSTRUCTION LIMITS. GIVE NOTICE TO ALL UTILITY COMPANIES REGARDING DESTRUCTION AND REMOVAL OF ALL SERVICE LINES AND CAP ALL LINES BEFORE PROCEEDING WITH THE WORK.
8. PERFORM CLEARING, GRUBBING, TREE AND STUMP REMOVAL, TOPSOIL REMOVAL AND STOCKPILING IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
9. BEFORE REMOVING OR ABANDONING ANY UTILITY PIPES, VERIFY NEW UTILITY PIPE HAS BEEN INSTALLED, TESTED AND IS OPERATIONAL.
10. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THIS DRAWING HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. VERIFY CRITICAL INVERT INFORMATION PRIOR TO BEGINNING CONSTRUCTION.
11. SAWCUT AND REPLACE DAMAGE CAUSED TO SURROUNDING AREA PAVEMENT OUTSIDE THE CONSTRUCTION LIMITS AT NO ADDITIONAL COST TO THE OWNER.
12. COORDINATE SEQUENCING AND PHASING OF DEMOLITION WITH CONSTRUCTION MANAGER.
13. SAWCUT CURB AND GUTTER AND SIDEWALKS TO NEAREST JOINT.
14. PICK UP DEBRIS WITHIN PROPERTY LIMITS WEEKLY OR AS NEEDED.

(#) DEMOLITION KEY NOTES

1. SAWCUT AND REMOVE CONCRETE PAVING FULL DEPTH.
2. SAWCUT AND REMOVE CONCRETE SIDEWALK TO NEAREST JOINT.
3. REMOVE CONCRETE CURB AND GUTTER.
4. REMOVE CONCRETE PAD.
5. REMOVE TREE.
6. PROTECT TREE.
7. REMOVE SIGN.
8. REMOVE AND SALVAGE BENCH.
9. REMOVE AND SALVAGE TRASH BIN.
10. REMOVE AND SALVAGE STATUE.
11. REMOVE AND SALVAGE LIGHT POST.
12. REMOVE RIPRAP ALONG BANK. (A2)
13. DO NOT DISTURB WATER WILLOWS.

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS

10/28/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMITS
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	ARAMIREZ
Designer	DRHOTON
Reviewer	ERANDOLPH
Manager	CKRETOVIC

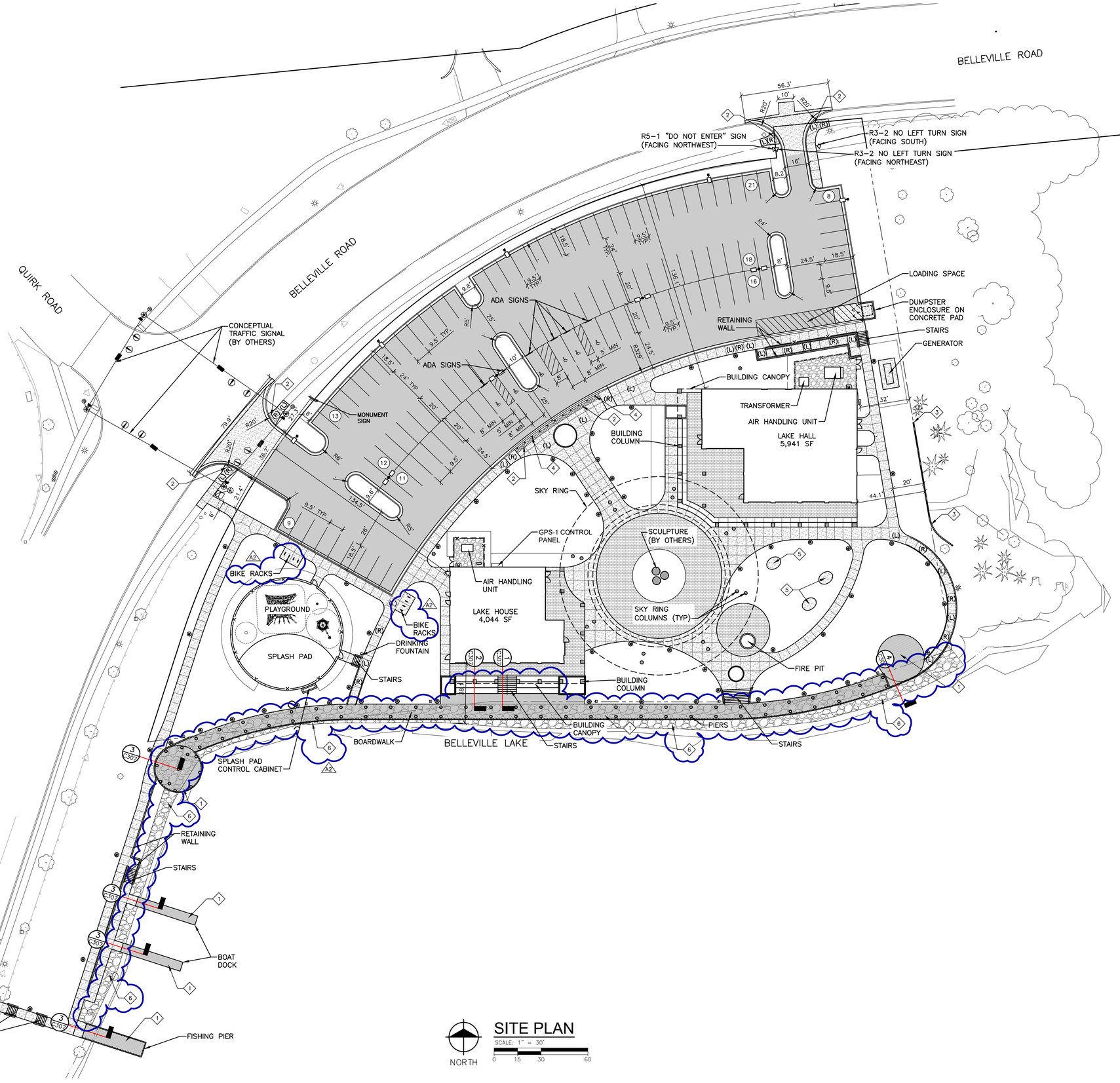
Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

SHEET NO.
C102

©Copyright 2026
All Rights Reserved

PLOT INFO: Z:\2025\2500281\CAD\CDs\C102_2500281.DWG LAYOUT: C102 DATE: 10/28/2026 TIME: 2:49:50 PM USER: DRHOTON



NORTH

SITE PLAN

SCALE: 1" = 30'

0 15 30 60

SYMBOL LEGEND

- SPECIAL PAVEMENT (SEE LANDSCAPE)
- COMPOSITE DECKING (SEE STRUCTURAL)
- 4" THICK CONCRETE SIDEWALK
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- GRAVEL PAVEMENT
- DETECTABLE WARNING STRIP
- STANDARD CURB AND GUTTER
- STANDARD CURB PAN
- (6) PARKING SPACE COUNT
- SITE LIGHT POLE OR LIGHT BOLLARD
- BOARDWALK PIERS (SEE STRUCTURAL)
- FENCE (SEE LANDSCAPE)
- SIGN

NOTES

1. DIMENSIONS ARE TO BACK OF CURB, OUTSIDE FACE OF BUILDING, AND EDGE OF PAVEMENT UNLESS NOTED OTHERWISE.
2. KEEP THE APPROVED AND/OR MOST CURRENT SET OF PROJECT DRAWINGS ON SITE AT ALL TIMES. CONTRACTOR TO CONFIRM THEY ARE IN POSSESSION OF THE MOST CURRENT DRAWING FILES.
3. SEE LANDSCAPE FOR LAYOUT OF SIDEWALK AND SPECIAL PAVEMENT.
4. SEE STRUCTURAL FOR LAYOUT OF DECKING.
5. PAVED SURFACES, WALKWAYS, SIGNS, LIGHTING AND OTHER STRUCTURES AND SURFACES SHALL BE MAINTAINED IN A SAFE, ATTRACTIVE CONDITION AS ORIGINALLY DESIGNED AND CONSTRUCTED. PARKING LOT STRIPING AND MARKINGS SHALL BE MAINTAINED IN CLEARLY VISIBLE CONDITION.

PARKING QUANTITIES

MAXIMUM OCCUPANCY:
LAKE HOUSE: 133 PEOPLE
LAKE HALL: 187 PEOPLE

REQUIRED PARKING:
321 PEOPLE X 1 SPACE PER / 3 PEOPLE = 107 SPACES

PROVIDED PARKING:
102 STANDARD SPACES
6 BARRIER FREE SPACES (5 REQUIRED)
108 TOTAL SPACES

KEY NOTES

1. BOARDWALK. SEE STRUCTURAL.
2. DETECTABLE WARNING STRIP.
3. RETAINING WALL WITH GUARDRAIL.
4. BOLLARDS (11).
5. CONCRETE SLAB FOR TABLE.
6. REPLACE RIPRAP TO EDGE OF WATER. APPROXIMATELY 500 CY.

A2

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS		
10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMITS
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	DRHOTON
Designer	DRHOTON
Reviewer	ERANDOLPH
Manager	CKRETOVIC

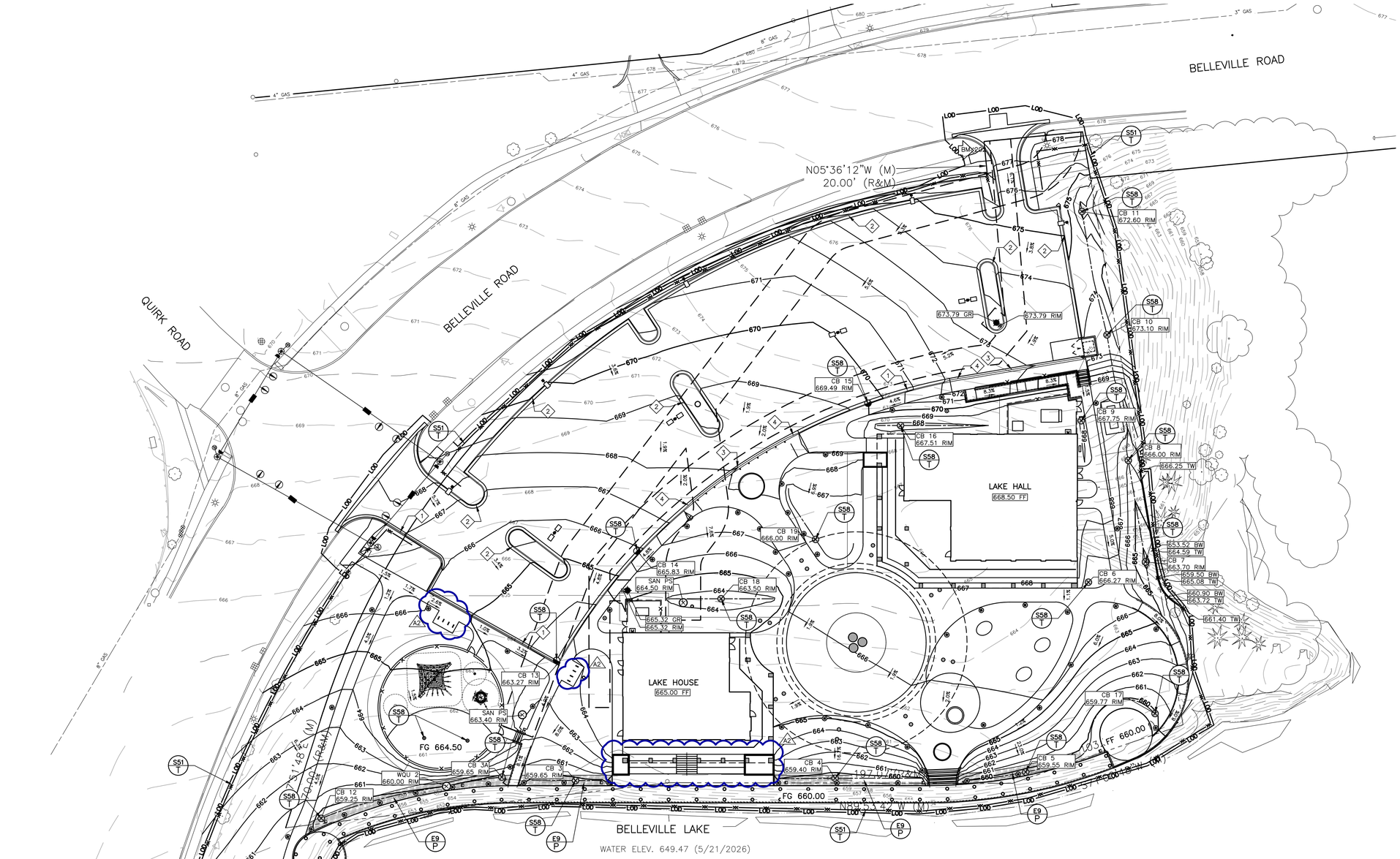
Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

SHEET NO.
C201

©Copyright 2026
All Rights Reserved

PLOT INFO: Z:\2025\2500281\CAD\CD\C201_2500281.DWG LAYOUT: C201 DATE: 10/28/2026 TIME: 2:55:48 PM USER: DRHOTON



GRADING PLAN & PHASE 2 SECS PLAN

SCALE: 1" = 30'

0 15 30 60

NORTH

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES

KEY	DESCRIPTION	DETAIL	CHARACTERISTICS
E9	MULCH BLANKETS		On exposed slopes, newly seeded areas, new ditch bottoms, or areas subject to erosion.
ES33	FILTER SOCKS		In areas requiring immediate protection of slopes against surface erosion and gully formation and for perimeter sediment control. (Bioengineering)
S51	SILT FENCE		Use adjacent to critical areas, to prevent sediment laden sheet flow from entering these areas.
S58	INLET PROTECTION FABRIC DROP		Use at stormwater inlets, especially at construction sites.

(XX T) TEMPORARY MEASURE

(XX P) PERMANENT MEASURE

BENCH MARKS

BENCH MARK 201 ELEVATION: 668.38
MAG NAIL IN SOUTHEASTERLY CORNER OF CONCRETE PAD ON SOUTHERLY SIDE OF BELLEVILLE ROAD, DIRECTLY ACROSS FROM QUIRK ROAD (TO BE REMOVED)

BENCH MARK 202 ELEVATION: 679.17
ARROW ON HYDRANT ON SOUTHERLY SIDE OF BELLEVILLE ROAD 400' EAST OF INTERSECTION OF BELLEVILLE ROAD AND QUIRK ROAD

GRADING SYMBOL LEGEND

725	EXISTING MAJOR CONTOUR
724	EXISTING MINOR CONTOUR
725	PROPOSED MAJOR CONTOUR
724	PROPOSED MINOR CONTOUR
724.50 XX	SPOT ELEVATION
EM	EDGE OF METAL
EW	EDGE OF WALK
FF	FINISH FLOOR
GR	GRADE ELEVATION
GU	GUTTER
HP	HIGH POINT
TC	TOP OF CURB
TP	TOP OF PAVEMENT
TW	TOP OF WALL

SECS SYMBOL LEGEND

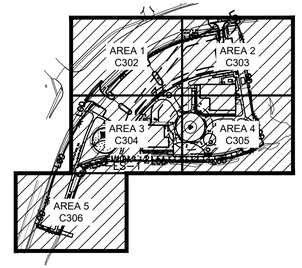
725	EXISTING MAJOR CONTOUR
724	EXISTING MINOR CONTOUR
	SILT FENCE
	EROSION EEL OR FILTER LOG
LOD	LIMITS OF DISTURBANCE
	MULCH BLANKET

GRADING NOTES

1. FINISH GRADE OF SOIL EDGES ALONG PAVEMENT TO MATCH EDGE OF PAVEMENT.
2. STRIP AND STOCKPILE TOPSOIL FROM GRADING AREAS. USE STOCKPILED TOPSOIL AND IMPORTED TOPSOIL AS NECESSARY FOR SURFACE RESTORATION.
3. GRADES SHOWN ARE FINAL SURFACE GRADES AFTER COMPLETION OF SURFACE IMPROVEMENTS AND PLACEMENT OF TOPSOIL.
4. ADA PARKING AREAS NOT TO EXCEED 2.0% SLOPE IN ALL DIRECTIONS.
5. GRADE AREAS AT SITE PERIMETER TO MATCH GRADES OF ADJACENT PARCELS.
6. REMOVE EXCESS SOIL FROM SITE AND DISPOSE OF PROPERLY IN ACCORDANCE WITH APPLICABLE REGULATIONS.
7. PROVIDE TEMPORARY GRADING FEATURES SUCH AS BERMS, SWALES, SUMPS AND BASINS TO MANAGE INTERIM STORM WATER RUNOFF DURING CONSTRUCTION PROCESS. STORM WATER RUNOFF LEAVING THE SITE SHALL MEET ALL FEDERAL, STATE AND LOCAL QUALITY REQUIREMENTS.

KEY NOTES

1. STANDARD CURB AND GUTTER.
2. INVERTED CURB AND GUTTER.
3. GUTTER PAN.
4. CURB TYPE TRANSITION, 5' MIN. LENGTH



ENLARGED
GRADING KEYPLAN

SCALE: NONE

SECS NOTES

1. MAINTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) ON THE SITE FOR THE DURATION OF CONSTRUCTION, IF REQUIRED. ADHERE TO THE SWPPP DURING CONSTRUCTION OPERATIONS.
2. MAINTAIN AND REPAIR ALL SESC BEST MANAGEMENT PRACTICES BMPS DURING CONSTRUCTION UNTIL ALL VEGETATION IS ESTABLISHED. (ALL DISTURBED SOIL SURFACES ARE UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER, OR AS DEFINED BY PERMIT.)
3. PERFORM ALL EARTH-DISTURBING CONSTRUCTION ACTIVITIES WITHIN THE LIMITS OF DISTURBANCE AS INDICATED ON THE DRAWINGS.
4. REVIEW THE LIMITS OF DISTURBANCE SHOWN ON THE DRAWINGS AND FIELD-STAKING THE LIMIT OF DISTURBANCE LINE PRIOR TO THE START OF CONSTRUCTION AND/OR CONTRACTORS OPERATIONS AT NO ADDITIONAL COST TO OWNER.
5. INSTALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO THE START OF ANY LAND CLEARING OR GRADING ACTIVITIES.
6. APPLY TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE DRAWINGS AND/OR AS REQUIRED BY SESC PERMIT AND IMPLEMENT ADDITIONAL MEASURES AS DICTATED BY SITE CONDITIONS.
7. ENSURE THAT ANY SEDIMENTATION RESULTING FROM WORK ON THIS SITE IS CONTAINED ON THE SITE AND NOT ALLOWED TO COLLECT ON ANY OFF-SITE AREAS OR IN WATERWAYS.
8. LEAVE SLOPES IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
9. LOCATE LAY DOWN, STAGING AND STOCKPILE AREAS WITHIN THE PERMITTED LIMITS OF DISTURBANCE.
10. INSTALL SILT FENCE AROUND THE PERIMETER OF ON-SITE SOIL STOCKPILE AREAS IF RUNOFF CAN IMPACT A STABILIZED PART OF THE SITE, OR LEAVE THE SITE. ADDITIONALLY, INACTIVE PORTIONS OF THE STOCKPILE AREAS ARE TO BE STABILIZED AS REQUIRED BY PERMIT.
11. IMPLEMENT TEMPORARY STABILIZATION MEASURES ON ANY DISTURBED AREAS WHERE CONSTRUCTION ACTIVITIES WILL NOT RESUME FOR 14 DAYS OR MORE. IMPLEMENTATION OF TEMPORARY STABILIZATION MEASURES MUST BE INITIATED IMMEDIATELY AND COMPLETED WITHIN SEVEN (7) DAYS FROM WHEN CONSTRUCTION ACTIVITIES TEMPORARILY CEASED ON ANY PORTION OF THE SITE. APPLY 3-5 LBS/1000 SFT. TEMPORARY SEED AND STRAW MULCH OVER DISTURBED AREA.
12. TOPSOIL AND SEED ALL EXPOSED AREAS WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE CONCLUSION OF FINAL GRADING IN THAT AREA.
13. REGULARLY CHECK SEEDED AREAS TO SEE THAT A GOOD STAND OF VEGETATION IS "ESTABLISHED". VEGETATION WILL NOT BE CONSIDERED "ESTABLISHED" UNTIL 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED WITH PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER. FERTILIZE, WATER, RESEED AND MULCH AS NEEDED.
14. MINIMIZE TRACKING OF SOIL AND SEDIMENT ONTO OFF-SITE ROADWAYS THROUGH THE USE OF APPROPRIATE MEASURES. IMMEDIATELY REMOVE ANY SOIL OR SEDIMENT TRACKED ONTO THE ROADWAYS.
15. NO VEHICLES AND EQUIPMENT CLEANING IS ALLOWED AT LOCATIONS WHERE RUNOFF COULD FLOW DIRECTLY INTO A WATER COURSE OR DOWNSTREAM STORM SEWER.
16. CONTRACTOR TO USE APPROPRIATE MEASURES DURING CONSTRUCTION TO CONTROL AIRBORNE SEDIMENTATION INCLUDING WATERING EXPOSED SOILS, PLACING WIND FENCING, PLANTING TEMPORARY VEGETATION, ETC.
17. SITE SOILS: CL AND ML-CL
18. LIMITS OF DISTURBANCE: 3.61
19. PROXIMITY TO NEAREST BODY OF WATER: < 500 FEET

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS		
10/26/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMITS
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	ARAMIREZ
Designer	DRHOTON
Reviewer	ERANDOLPH
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

SHEET NO.
C301

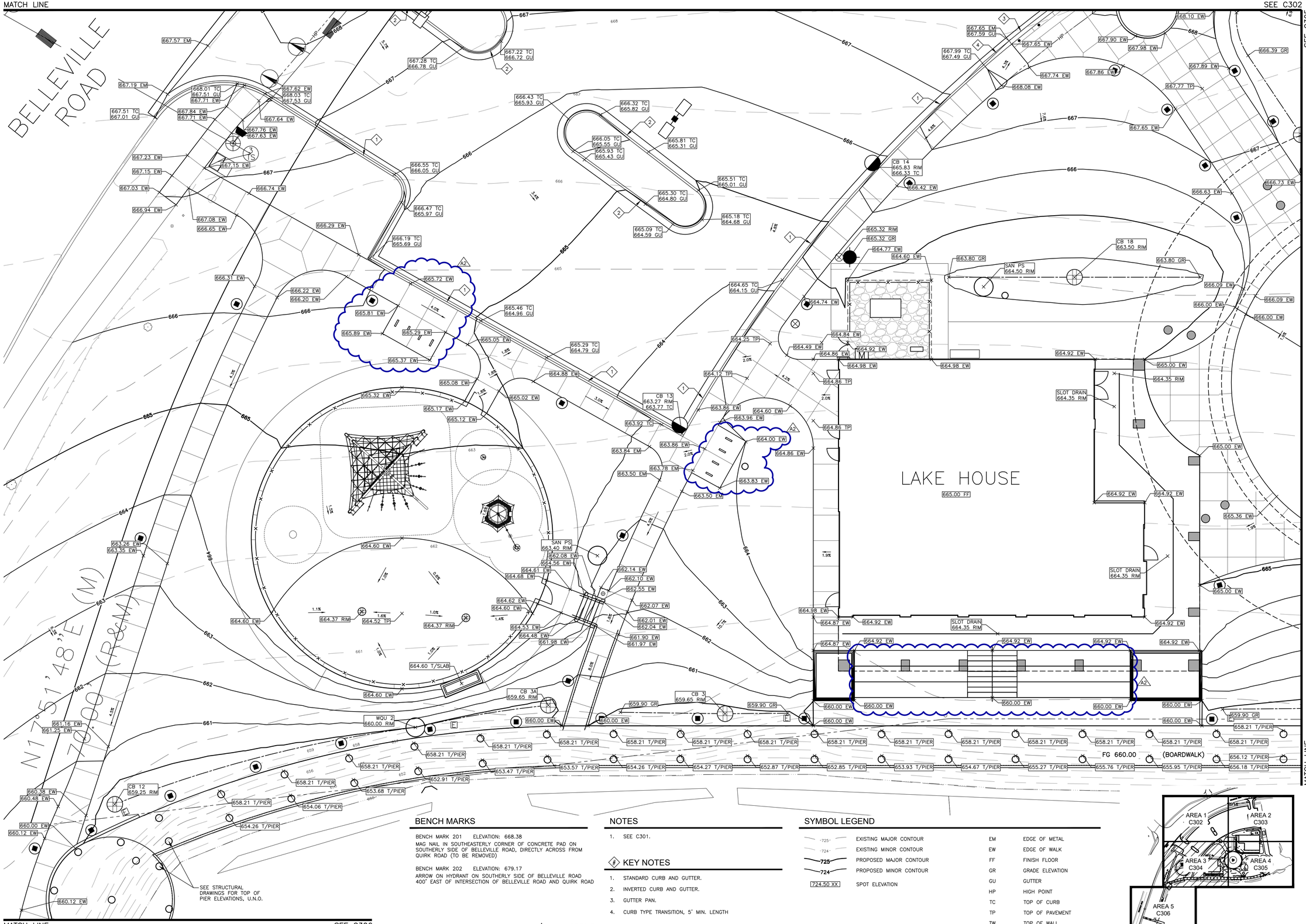
©Copyright 2026
All Rights Reserved

PLOT INFO: Z:\2025\2500281\CAD\CDs\C301_2500281.DWG LAYOUT: C301 DATE: 10/27/2026 TIME: 10:44:02 AM USER: CMAYER

MATCH LINE

SEE C302

SEE C305



BENCH MARKS

BENCH MARK 201 ELEVATION: 668.38
MAG NAIL IN SOUTHEASTERLY CORNER OF CONCRETE PAD ON SOUTHERLY SIDE OF BELLEVILLE ROAD, DIRECTLY ACROSS FROM QUIRK ROAD (TO BE REMOVED)

BENCH MARK 202 ELEVATION: 679.17
ARROW ON HYDRANT ON SOUTHERLY SIDE OF BELLEVILLE ROAD 400' EAST OF INTERSECTION OF BELLEVILLE ROAD AND QUIRK ROAD

NOTES

1. SEE C301.

KEY NOTES

1. STANDARD CURB AND GUTTER.
2. INVERTED CURB AND GUTTER.
3. GUTTER PAN.
4. CURB TYPE TRANSITION, 5' MIN. LENGTH

SYMBOL LEGEND

-725-	EXISTING MAJOR CONTOUR	EM	EDGE OF METAL
-724-	EXISTING MINOR CONTOUR	EW	EDGE OF WALK
725	PROPOSED MAJOR CONTOUR	FF	FINISH FLOOR
724	PROPOSED MINOR CONTOUR	GR	GRADE ELEVATION
724.50 XX	SPOT ELEVATION	GU	GUTTER
		HP	HIGH POINT
		TC	TOP OF CURB
		TP	TOP OF PAVEMENT
		TW	TOP OF WALL

NORTH

AREA 3
ENLARGED GRADING PLAN
SCALE: 1" = 10'
0 5 10 20

ENLARGED
GRADING KEYPLAN
SCALE: NONE

PLOT INFO: Z:\2025\2500281\CAD\CDI\C302_2500281.DWG LAYOUT: C304 DATE: 10/27/2026 TIME: 10:56:55 AM USER: DRHOTON

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS

10/26/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMITS
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	ARAMIREZ
Designer	DRHOTON
Reviewer	ERANDOLPH
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

SHEET NO.
C304

©Copyright 2026
All Rights Reserved

MATCH LINE

SEE C304

SEE C303

LAKE HALL

668.50 FF

SLOT DRAIN 668.32 RIM

CB 19 666.00 RIM

CB 6 666.27 RIM

CB 4 659.40 RIM

CB 5 659.55 RIM

CB 17 659.77 RIM

SB 7 663.70 RIM

FG 660.00 (BOARDWALK)

FF 660.00

197.07' @ S 71°00'38" W (M)

N89°53'42"W (M)

BELLEVILLE LAKE

MATCH LINE

AREA 4
ENLARGED GRADING PLAN
SCALE: 1" = 10'

NORTH

0 5 10 20

AREA 1 C302

AREA 2 C303

AREA 3 C304

AREA 4 C305

AREA 5 C306

ENLARGED
GRADING KEYPLAN
SCALE: NONE

BENCH MARKS

BENCH MARK 201 ELEVATION: 668.38
MAG NAIL IN SOUTHEASTERLY CORNER OF CONCRETE PAD ON SOUTHERLY SIDE OF BELLEVILLE ROAD, DIRECTLY ACROSS FROM QUIRK ROAD (TO BE REMOVED)

BENCH MARK 202 ELEVATION: 679.17
ARROW ON HYDRANT ON SOUTHERLY SIDE OF BELLEVILLE ROAD 400' EAST OF INTERSECTION OF BELLEVILLE ROAD AND QUIRK ROAD

NOTES

1. SEE C301.

SYMBOL LEGEND

725	EXISTING MAJOR CONTOUR
724	EXISTING MINOR CONTOUR
725	PROPOSED MAJOR CONTOUR
724	PROPOSED MINOR CONTOUR
724.50 XX	SPOT ELEVATION
EM	EDGE OF METAL
EW	EDGE OF WALK
FF	FINISH FLOOR
GR	GRADE ELEVATION
GU	GUTTER
HP	HIGH POINT
TC	TOP OF CURB
TP	TOP OF PAVEMENT
TW	TOP OF WALL

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMITS
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	ARAMIREZ
Designer	DRHOTON
Reviewer	ERANDOLPH
Manager	CKRETOVIC

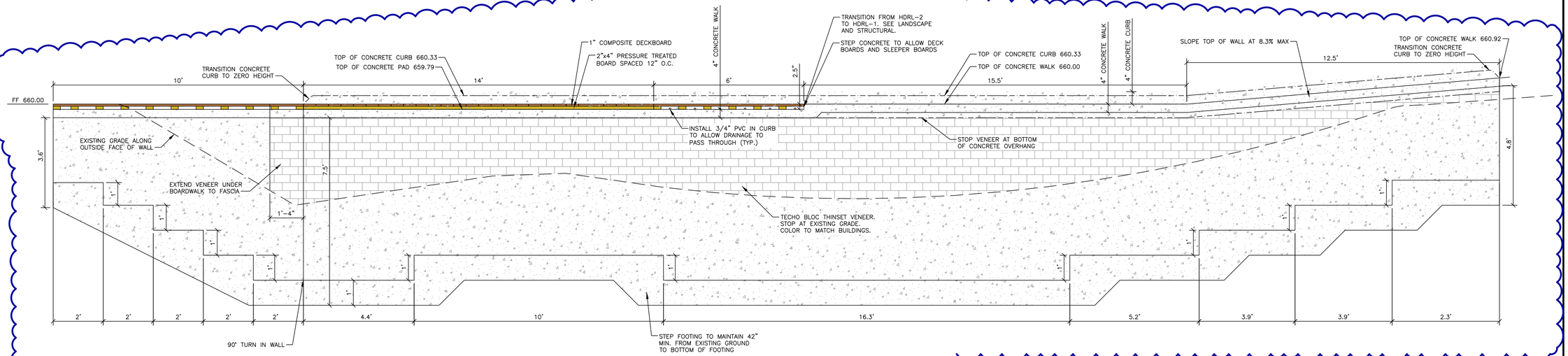
Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

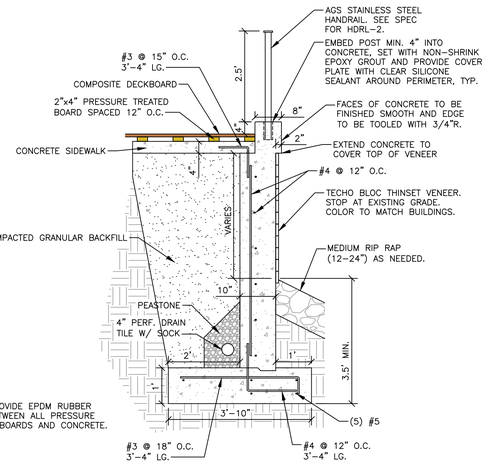
SHEET NO.
C305

©Copyright 2026
All Rights Reserved

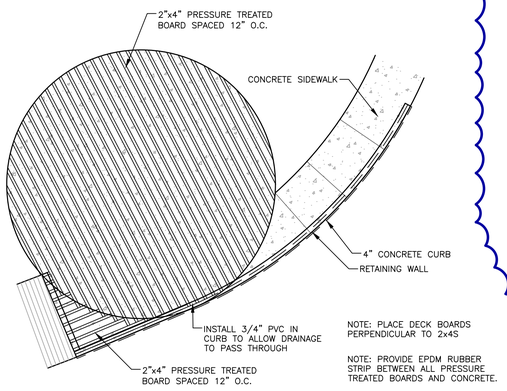
PLOT INFO: Z:\2025\2500281\CAD\CIC302_2500281.DWG LAYOUT: C305 DATE: 10/27/2026 TIME: 11:22:52 AM USER: DRHOTON



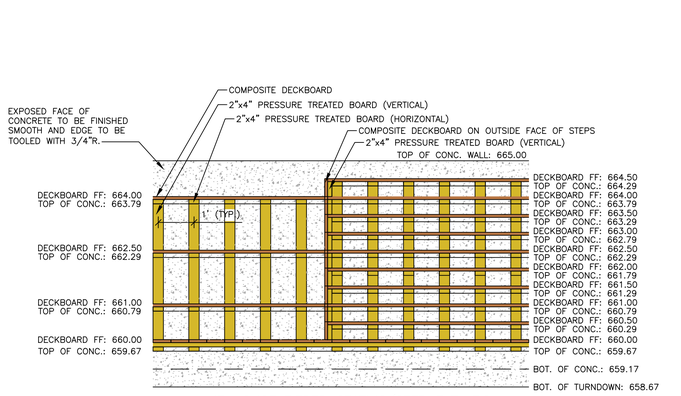
EAST TERMINUS RETAINING WALL ELEVATION
NO SCALE



4 EAST TERMINUS RETAINING WALL SECTION
NO SCALE

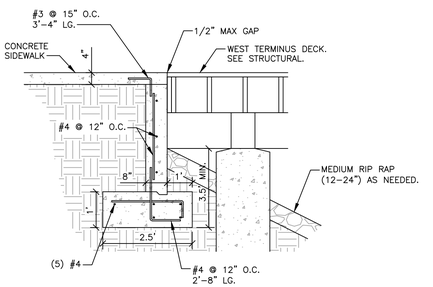


EAST TERMINUS PLAN VIEW
NO SCALE

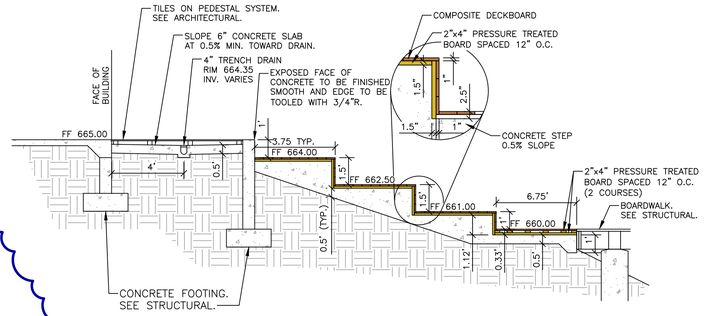


LAKE HOUSE TIERED SEATING/STEP ELEVATION
NO SCALE

NOTE: PROVIDE EPDM RUBBER STRIP BETWEEN ALL PRESSURE TREATED BOARDS AND CONCRETE.

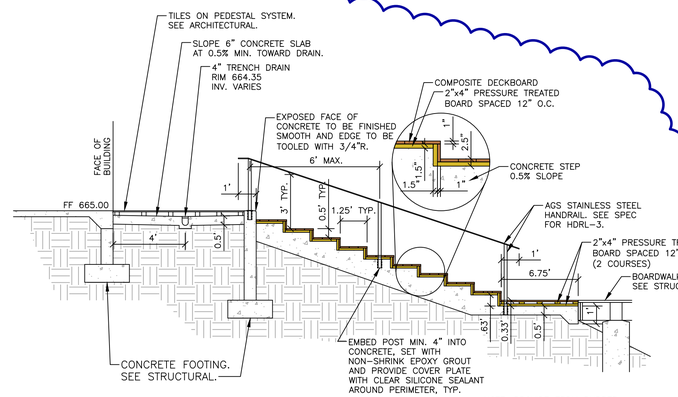


3 BOARDWALK/SIDEWALK JUNCTION RETAINING WALL
NO SCALE



2 LAKE HOUSE TIERED SEATING SECTION
NO SCALE

NOTE: PROVIDE EPDM RUBBER STRIP BETWEEN ALL PRESSURE TREATED BOARDS AND CONCRETE.



1 LAKE HOUSE STAIR SECTION
NO SCALE

NOTE: PROVIDE EPDM RUBBER STRIP BETWEEN ALL PRESSURE TREATED BOARDS AND CONCRETE.

A2

PLOT INFO: Z:\0025\2500281\CAD\GDI\C307_2500281.DWG LAYOUT: C307 DATE: 10/27/2026 TIME: 10:57:34 AM USER: DRHOTON

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMITS
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

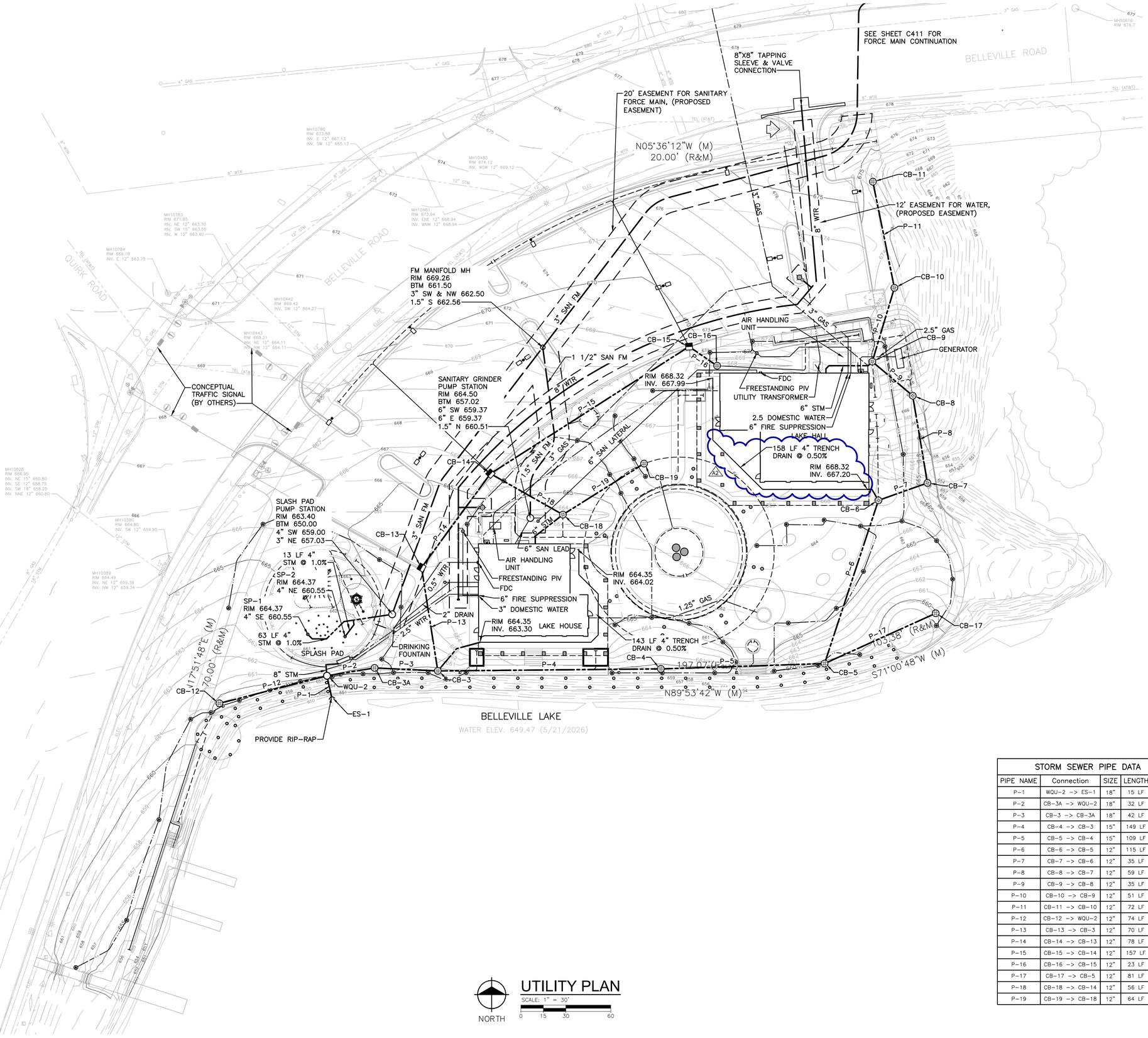
Drawn By	ARAMIREZ
Designer	DRHOTON
Reviewer	ERANDOLPH
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

SHEET NO.
C307

©Copyright 2026
All Rights Reserved



NORTH

UTILITY PLAN

SCALE: 1" = 30'

0 15 30 60

BENCH MARKS

BENCH MARK 201 ELEVATION: 668.38

MAG NAIL IN SOUTHEASTERLY CORNER OF CONCRETE PAD ON SOUTHERLY SIDE OF BELLEVILLE ROAD, DIRECTLY ACROSS FROM QUIRK ROAD (TO BE REMOVED)

BENCH MARK 202 ELEVATION: 679.17

ARROW ON HYDRANT ON SOUTHERLY SIDE OF BELLEVILLE ROAD 400' EAST OF INTERSECTION OF BELLEVILLE ROAD AND QUIRK ROAD

SYMBOL LEGEND

- 8" SAN — SANITARY SEWER & MANHOLE
- 4" FM — SANITARY FORCE MAIN
- WYE & LEAD
- RISER & LEAD
- STANDARD SEWER CLEANOUT
- 12" STM — STORM SEWER & MANHOLE
- CATCH BASIN
- 8" WTR — WATER MAIN
- GAS MAIN
- ELECTRIC
- TELEPHONE/FIBER OPTIC
- UNDERDRAIN
- IRRIGATION SLEEVE. SEE LANDSCAPE.

NOTES

1. EXISTING UTILITIES LOCATIONS SHOWN ARE APPROXIMATE.
2. VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES PRIOR TO EXCAVATION WHERE NECESSARY.
3. PROTECT AND MAINTAIN SERVICE OF OTHER UTILITIES AT CROSSINGS.
4. DO NOT CONNECT ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER SERVICES TO THE SANITARY SEWER.
5. END SECTIONS ARE INCLUDED IN PIPE LENGTHS SHOWN.
6. PROVIDE RIPRAP AT ALL END SECTIONS UNLESS OTHERWISE NOTED.
7. PROVIDE AND MAINTAIN INLET FILTERS AT ALL CATCH BASIN INLETS, DURING CONSTRUCTION.
8. WATER MAIN TO HAVE A MINIMUM OF 6 FEET OF COVER.
9. FIRE HYDRANTS LOCATED IN CURB ISLAND OR GREEN SPACE SHALL BE LOCATED 5' FROM BACK OF CURB OR EDGE OF PAVEMENT (TYP.).
10. PROVIDE A MINIMUM OF EIGHTEEN (18) INCHES OF VERTICAL SEPARATION AND TEN (10) FEET OF HORIZONTAL SEPARATION BETWEEN THE WATER MAIN AND ALL SANITARY AND STORM SEWERS.
11. FACE NOZZLES OF SITE FIRE HYDRANTS TOWARD BUILDING.
12. ADJUST ALL CASTINGS TO FINISH GRADES.
13. PIPE LENGTHS ARE TO CENTER OF STRUCTURES UNLESS NOTED OTHERWISE. ALL PIPE LENGTHS ARE FOR THE CONVENIENCE OF THE CONTRACTOR.
14. UTILITY ELEVATIONS INDICATED REPRESENT INVERT ELEVATIONS UNLESS OTHERWISE NOTED.

STORM SEWER PIPE DATA

PIPE NAME	Connection	SIZE	LENGTH	SLOPE
P-1	WQU-2 -> ES-1	18"	15 LF	1.80%
P-2	CB-3A -> WQU-2	18"	32 LF	3.07%
P-3	CB-3 -> CB-3A	18"	42 LF	3.08%
P-4	CB-4 -> CB-3	15"	149 LF	0.23%
P-5	CB-5 -> CB-4	15"	109 LF	0.23%
P-6	CB-6 -> CB-5	12"	115 LF	3.47%
P-7	CB-7 -> CB-6	12"	35 LF	2.63%
P-8	CB-8 -> CB-7	12"	59 LF	2.63%
P-9	CB-9 -> CB-8	12"	35 LF	1.56%
P-10	CB-10 -> CB-9	12"	51 LF	3.09%
P-11	CB-11 -> CB-10	12"	72 LF	0.31%
P-12	CB-12 -> WQU-2	12"	74 LF	0.31%
P-13	CB-13 -> CB-3	12"	70 LF	3.10%
P-14	CB-14 -> CB-13	12"	78 LF	0.31%
P-15	CB-15 -> CB-14	12"	157 LF	0.88%
P-16	CB-16 -> CB-15	12"	23 LF	0.31%
P-17	CB-17 -> CB-5	12"	81 LF	0.31%
P-18	CB-18 -> CB-14	12"	56 LF	0.31%
P-19	CB-19 -> CB-18	12"	64 LF	3.10%

STORM SEWER STRUCTURES

STRUCTURE	RIM	SIZE	INVERT	ELEVATION
ES-1	651.61		18" N.	650.00
WQU-2	660.00	48"	18" S. 12" W. 18" E.	650.27 650.38 651.77
CB-3A	659.65	48"	18" W. 18" E.	652.76 652.76
CB-3	659.65	48"	12" N. 18" W. 15" E.	655.90 654.06 654.26
CB-4	659.40	48"	15" E. 15" W.	655.27 654.60
CB-5	659.55	48"	12" N. 15" W. 12" NE.	655.80 655.52 655.77
CB-6	666.27	48"	12" E. 12" S.	659.79 659.79
CB-7	663.70	48"	12" N. 12" W.	660.70 660.70
CB-8	666.00	48"	12" NW. 12" S.	662.25 662.25
CB-9	667.75	48"	12" N. 12" SE. 6" SW.	664.00 662.80 663.20
CB-10	673.10	48"	12" S. 12" N.	665.58 668.63
CB-11	672.60	48"	12" S.	668.85
CB-12	659.25	48"	12" E.	650.61
CB-13	663.32	48"	12" NE. 12" S.	658.80 658.07
CB-14	665.88	48"	12" NE. 12" SW. 12" SE.	662.20 659.04 659.14
CB-15	669.49	48"	12" SE. 12" SW.	663.69 663.59
CB-16	667.51	48"	12" NW.	663.76
CB-17	659.77	48"	12" SW.	656.02
CB-18	663.50	48"	12" NE. 6" SW. 12" NW.	659.75 659.71 659.31
CB-19	666.00	48"	12" SW.	661.73

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS		
10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMITS
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	DRHOTON
Designer	DRHOTON
Reviewer	ERANDOLPH
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

SHEET NO.
C401

©Copyright 2026
All Rights Reserved

PLOT INFO: Z:\2025\2500281\CAD\CD\C401_2500281.DWG LAYOUT: C401 DATE: 10/27/2026 TIME: 11:20:58 AM USER: DRHOTON



R3-2

NO LEFT TURN SIGN
NO SCALE

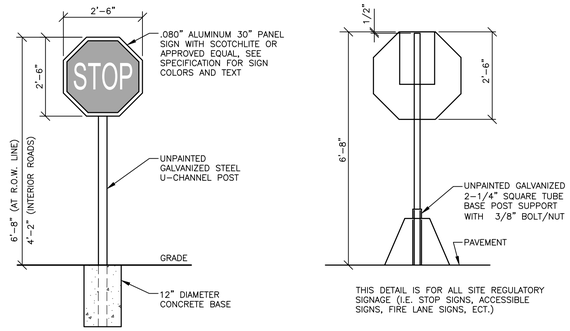


R5-1

DO NOT ENTER SIGN
NO SCALE

INSTALLATION IN PAVED AREAS:
POSTS ARE TO BE LOCATED AS SHOWN ON DRAWINGS AND SET IN PRECAST REINFORCED CONCRETE SIGN POST BASE. MOUNT SIGN TO POST PER MANUFACTURER'S RECOMMENDATIONS.

NOTE: SIGN, POLE AND BASE FURNISHED AND INSTALLED BY CONTRACTOR.



STOP SIGNS AT DRIVE ENTRANCES SHALL BE LOCATED 12'-0" FROM R.O.W. LINE.

THIS DETAIL IS FOR ALL SITE REGULATORY SIGNAGE (I.E. STOP SIGNS, ACCESSIBLE SIGNS, FIRE LANE SIGNS, ECT.)

STOP SIGN DETAIL
NO SCALE SM-006

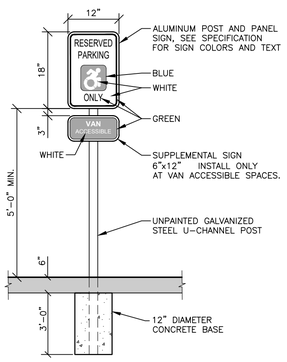
INSTALLATION IN LAWN AREAS:
POSTS ARE TO BE LOCATED 5'-0" FROM EDGE OF CURB. BURY POST 3'-0" DEEP AND AS SHOWN ON DRAWINGS. MOUNT SIGN TO POST PER MANUFACTURER'S RECOMMENDATIONS.

PARKING - FIRE LANE SIGNS:
12"x18", NON-REFLECTIVE

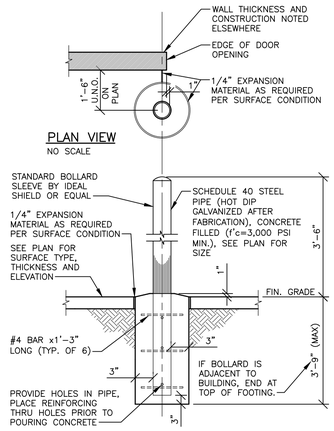
ACCESSIBLE PARKING SIGNS:
REFLECTIVE 0.080: ALUMINUM WITH SCOTCHLITE, OR APPROVED EQUAL.

SUPPLEMENTAL VAN ACCESSIBLE SIGNS:
REFLECTIVE 0.080: ALUMINUM WITH SCOTCHLITE, OR APPROVED EQUAL.

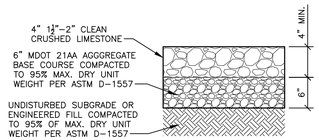
WRONG WAY SIGNS:
30"x18" UV SCREEN PRINTED ALUMINUM



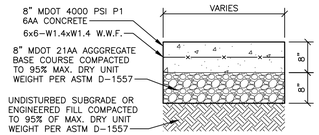
VAN ACCESSIBLE
BARRIER FREE PARKING SIGN DETAIL
NO SCALE SM-005



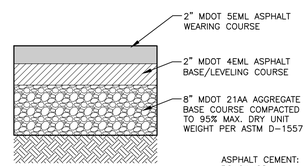
BOLLARD DETAIL
NO SCALE SM-007



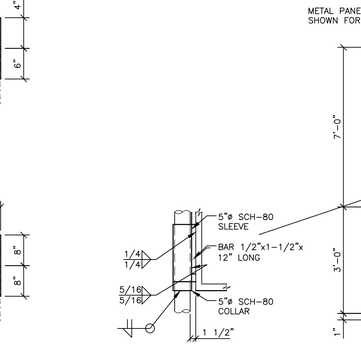
GRAVEL PAVEMENT DETAIL

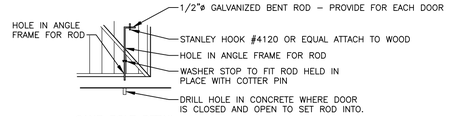


HEAVY DUTY CONCRETE DETAIL



STANDARD DUTY ASPHALT DETAIL
NO SCALE

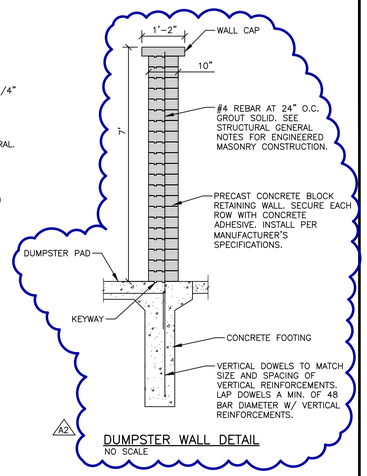




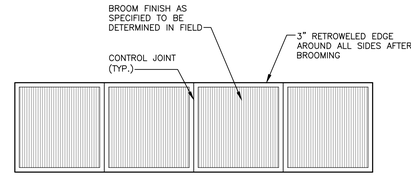
CANE BOLT DETAIL

NOTE:
HOT DIP GALVANIZE ALL STEEL AFTER FABRICATION

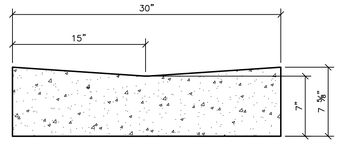
DUMPSTER GATE ELEVATION
NO SCALE



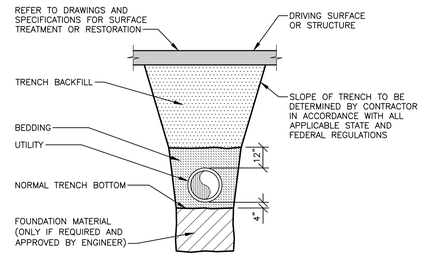
DUMPSTER WALL DETAIL
NO SCALE



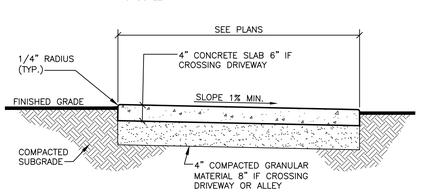
BROOM FINISH SIDEWALK DETAIL
NO SCALE CP-003



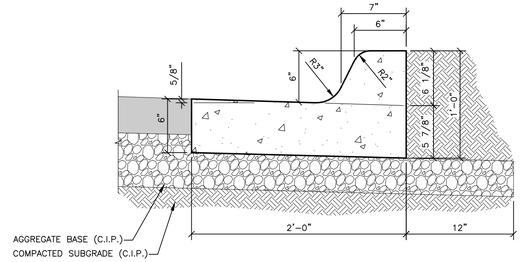
STANDARD GUTTER PAN
NO SCALE CG-005



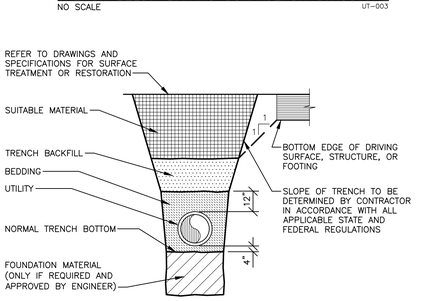
TRENCH BELOW DRIVING SURFACE OR STRUCTURE
NO SCALE UT-003



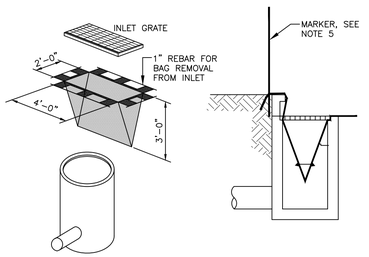
SIDEWALK DETAIL
NO SCALE CP-002



STANDARD CROWN CURB & GUTTER
NO SCALE CG-001

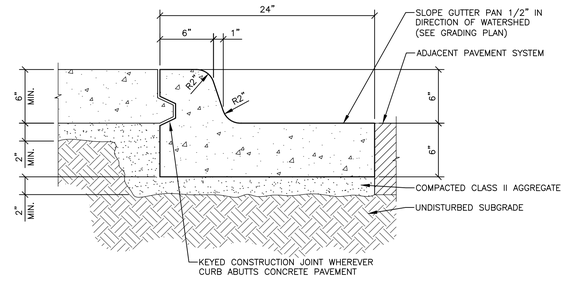


TRENCH ADJACENT TO DRIVING SURFACE OR STRUCTURE
NO SCALE UT-002

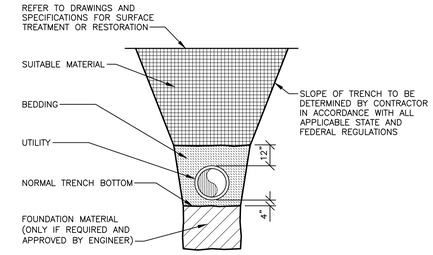


ISOMETRIC VIEW

INSTALLATION DETAIL



SIDEWALK KEYWAY SECTION
NO SCALE CG-010



TRENCH NOT ADJACENT TO DRIVING SURFACE OR STRUCTURE
NO SCALE UT-001

NOTES:

1. PLACE FILTER FABRIC BAG INSIDE THE INLET BENEATH THE GRATE.
2. REPLACE GRATE, WHICH WILL HOLD BAG IN PLACE.
3. ANCHOR FILTER BAG SO IT WILL NOT DROP INTO CATCH BASIN.
4. EXTEND FLAPS OF BAG BEYOND THE BAG. BURY IN SOIL IN EARTH AREAS.
5. IF CATCH BASIN IS IN A LOW DEPRESSION – MARK CB LOCATION WITH A MARKER TO ASSIST LOCATING CATCH BASIN IF FLOODING OCCURS.
6. INSPECT DROP INLET FILTERS ROUTINELY AND AFTER EACH RAIN EVENT.
7. REPLACE DAMAGED FILTER BAGS IMMEDIATELY.
8. CLEAN AND/OR REPLACE FILTER BAG WHEN 1/2 FULL. REPLACE CLOGGED FABRIC IMMEDIATELY.
9. VACUUM OUT CATCH BASIN SUMP IF FILTER BAG TEARS.
10. REMOVE ENTIRE PROTECTIVE MECHANISM WHEN UP GRADIENT AREAS ARE STABILIZED AND STREETS HAVE BEEN SWEPT AND/OR DIRECTLY DETECTED BY ENGINEER/OWNER.

S58 INLET PROTECTION – FABRIC DROP
NO SCALE SE-056

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMITS
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	ARAMIREZ
Designer	DRHOTON
Reviewer	ERANDOLPH
Manager	CKRETOVIC

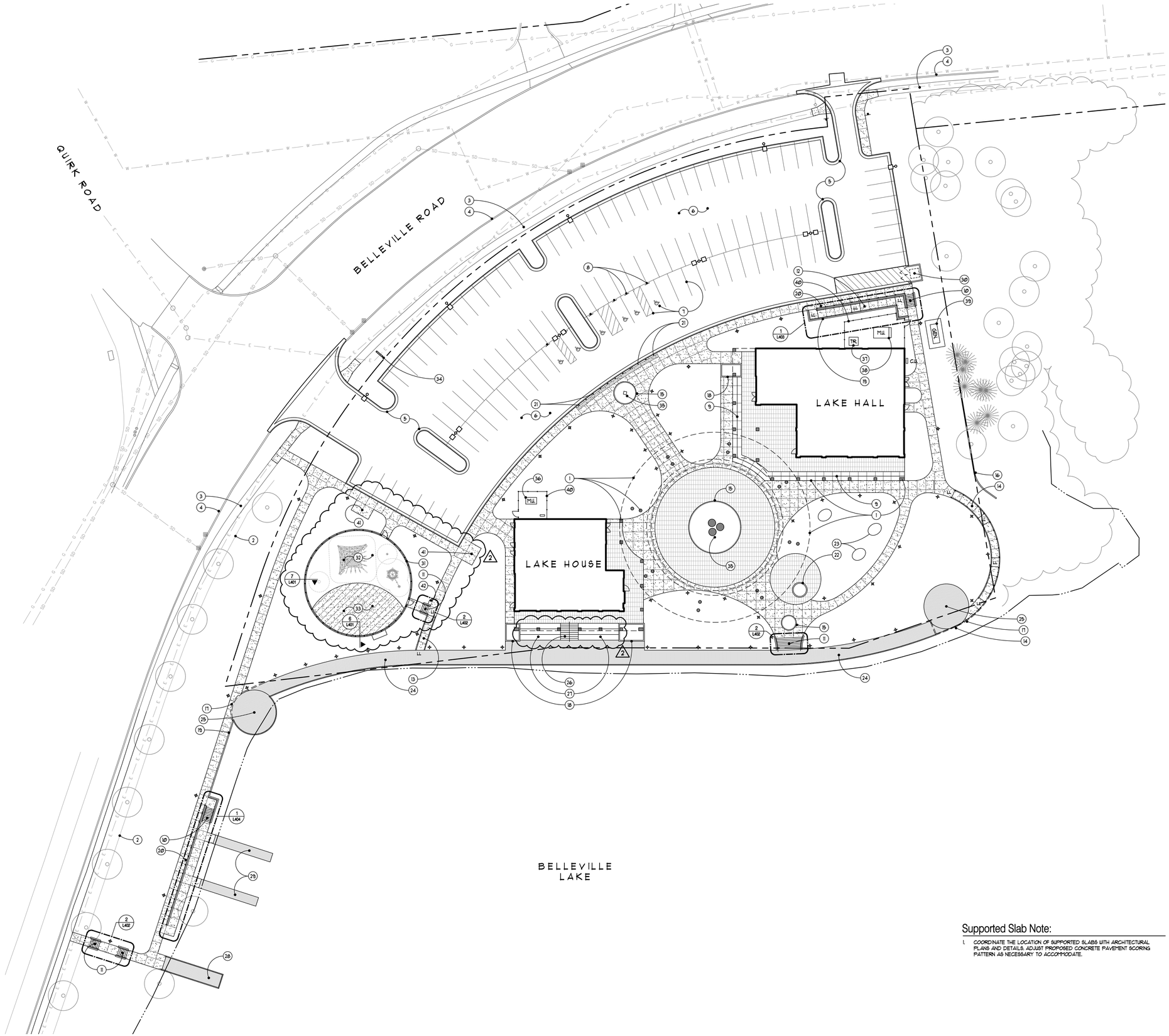
Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

SHEET NO.
C501

©Copyright 2026
All Rights Reserved

PLOT INFO: Z:\2025\2500281\CAD\CDICS01_2500281.DWG LAYOUT: C501 DATE: 10/27/2026 TIME: 10:57:53 AM USER: DRHOTON



GRISSIM METZ ASSOCIATES ANDRIESE
Landscape Architecture

Pedestrian Paving Legend:

- 4" S.D. CONCRETE PAVEMENT, TYP. - REFER TO DETAILS
- 6" H.D. REINFORCED CONCRETE PAVEMENT, TYP. - REFER TO DETAILS AND COORDINATE WITH PLAYABLE FOUNTAIN CONTRACTOR
- PORCELAIN PAVERS, TYP. - REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR PAVERS ADJACENT TO BUILDINGS REFER TO SITE DETAILS AND SPECS FOR PAVERS UNDER CENTER CANOPY AND AT FIRE PIT AREA
- EXISTING TREE TO REMAIN, TYP.
- EXISTING LIGHTING, TYP. - REFER TO ELECTRICAL PLANS
- VEHICULAR POLE LIGHTING, TYP. - REFER TO ELECTRICAL PLANS
- PEDESTRIAN COLUMN / BOLLARD LIGHTING, TYP. - REFER TO ELECTRICAL PLANS
- LL — LEVEL LANDING, TYP. - REFER TO CIVIL PLANS
- SD — EXISTING STORM SEWER, TYP.
- SS — EXISTING SANITARY SEWER, TYP.
- W — EXISTING WATER MAIN, TYP.
- E — EXISTING ELECTRIC, TYP.
- G — EXISTING GAS, TYP.
- EXISTING WATER LINE, TYP.

Note Key:

1. BUILDING CANOPY AND SKYRING COLUMNS, TYP. - REFER TO ARCHITECTURAL PLANS
2. EXISTING ROADWAY GUARDRAIL TO REMAIN
3. EXISTING CONCRETE SIDEWALK TO REMAIN, TYP.
4. EXISTING CONCRETE CURB AND GUTTER TO REMAIN, TYP.
5. CONCRETE CURB AND GUTTER, TYP. - REFER TO CIVIL PLANS
6. ASPHALT PARKING LOT PAVEMENT, TYP. - REFER TO CIVIL PLANS
7. PARKING LOT STRIPING, TYP. - REFER TO CIVIL PLANS
8. BARRIER-FREE PARKING SPACE SIGN, TYP. - REFER TO CIVIL PLANS
9. CONCRETE TIERED SEATING AT LAKE HALL - REFER TO ARCHITECTURAL AND STRUCTURAL PLANS
10. CONCRETE STEPS WITH HANDRAILS (HDRL-1) AND RETAINING WALLS, TYP. - REFER TO SITE DETAILS AND COORDINATE WITH CIVIL PLANS
11. CONCRETE STEPS WITH HANDRAILS (HDRL-1) AND CHEEK WALLS, TYP. - REFER TO SITE DETAILS AND COORDINATE WITH CIVIL PLANS
12. CONCRETE RAMP WITH HANDRAILS (HDRL-1) AND RETAINING WALLS - REFER TO SITE DETAILS AND COORDINATE WITH CIVIL PLANS
13. CONCRETE RAMP WITH HANDRAILS ON BOTH SIDES (HDRL-1) - REFER TO SITE DETAILS AND COORDINATE WITH CIVIL PLANS
14. CONCRETE RAMP WITH HANDRAIL ON WEST SIDE (HDRL-1) AND GUARDRAIL ON EAST SIDE (GDRL-2), PROVIDE SMOOTH TRANSITION BETWEEN RAMP GUARDRAIL AND DECKING HANDRAIL - REFER TO SITE DETAILS AND COORDINATE WITH CIVIL AND STRUCTURAL PLANS
15. 3" HT. CONCRETE PLANTER CURB, TYP. - REFER TO SITE DETAILS
16. RETAINING WALL WITH GUARDRAIL (GDRL-1) - REFER TO CIVIL PLANS
17. CONCRETE RETAINING WALL - REFER TO CIVIL AND STRUCTURAL PLANS
18. PLANTER WALL, TYP. - REFER TO ARCHITECTURAL AND STRUCTURAL PLANS
19. PRECAST CONCRETE BLOCK RETAINING WALL, 36" HT. MAX, TYP. - REFER TO SITE DETAILS AND SPECS, AND COORDINATE WITH CIVIL PLANS
20. PRECAST CONCRETE BLOCK RETAINING WALL WITH GUARDRAIL (GDRL-1) - REFER TO SITE DETAILS AND SPECS, AND COORDINATE WITH CIVIL PLANS
21. BOLLARDS, TYP. - REFER TO CIVIL PLANS
22. FIRE PIT - REFER TO ARCHITECTURAL PLANS
23. CONCRETE SLAB FOR TABLES (QTY. 3) - REFER TO SITE FURNISHINGS PLAN
24. SYNTHETIC WOOD BOARDWALK WITH HANDRAIL (HDRL-2) -REFER TO STRUCTURAL PLANS
25. SYNTHETIC WOOD DECKING WITH HANDRAIL (HDRL-2) - REFER TO STRUCTURAL PLANS
26. SYNTHETIC WOOD STEPS WITH HANDRAIL (HDRL-3) AT LAKE HOUSE - REFER TO STRUCTURAL PLANS
27. SYNTHETIC WOOD TIERED SEATING AT LAKE HOUSE, TYP. - REFER TO STRUCTURAL PLANS
28. SYNTHETIC WOOD FISHING PIER WITH HANDRAIL (HDRL-2) - REFER TO STRUCTURAL PLANS
29. SYNTHETIC WOOD BOAT DOCK, TYP. - REFER TO STRUCTURAL PLANS
30. DUMPSTER ENCLOSURE - REFER TO ARCHITECTURAL PLANS
31. 4' HT. ORNAMENTAL FENCE AND GATES, TYP. - REFER TO SITE DETAILS AND SPECS
32. PLAYGROUND WITH SYNTHETIC TURF SURFACING (PLAY FEATURES BY OTHERS) - REFER TO SITE DETAILS
33. PLAYABLE FOUNTAIN (FOUNTAIN FEATURES BY OTHERS)
34. MONUMENT SIGN - REFER TO ARCHITECTURAL AND CIVIL PLANS
35. IDENTITY ELEMENT / SCULPTURE (BY OTHERS)
36. LAKE HOUSE MECHANICAL UNIT WITH CONCRETE PAD - REFER TO ARCHITECTURAL AND MECHANICAL PLANS
37. LAKE HALL TRANSFORMER WITH CONCRETE PAD - REFER TO ARCHITECTURAL AND ELECTRICAL PLANS
38. LAKE HALL MECHANICAL UNIT WITH CONCRETE PAD - REFER TO ARCHITECTURAL AND MECHANICAL PLANS
39. LAKE HALL GENERATOR WITH CONCRETE PAD - REFER TO ELECTRICAL PLANS
40. SCREEN FENCE ENCLOSURE WITH ACCESS GATES AND INTERIOR STONE SURFACE - REFER TO ARCHITECTURAL AND CIVIL PLANS
41. CONCRETE SLAB FOR BIKE RACKS (QTY. 2) - REFER TO SITE FURNISHINGS PLAN
42. CONCRETE SLAB FOR DRINKING FOUNTAIN - REFER TO SITE FURNISHINGS PLAN

Supported Slab Note:

1. COORDINATE THE LOCATION OF SUPPORTED SLABS WITH ARCHITECTURAL PLANS AND DETAILS. ADJUST PROPOSED CONCRETE PAVEMENT SCORING PATTERN AS NECESSARY TO ACCOMMODATE.

NORTH

PEDESTRIAN PAVING PLAN

SCALE: 1" = 30'

0 15 30 60

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	ADDENDUM NO. 2
10/12/2026	BIDS AND PERMITS
09/25/2026	SITE PLAN REVIEW
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	BBOUCHARD
Designer	PANDRIESE
Reviewer	PANDRIESE
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

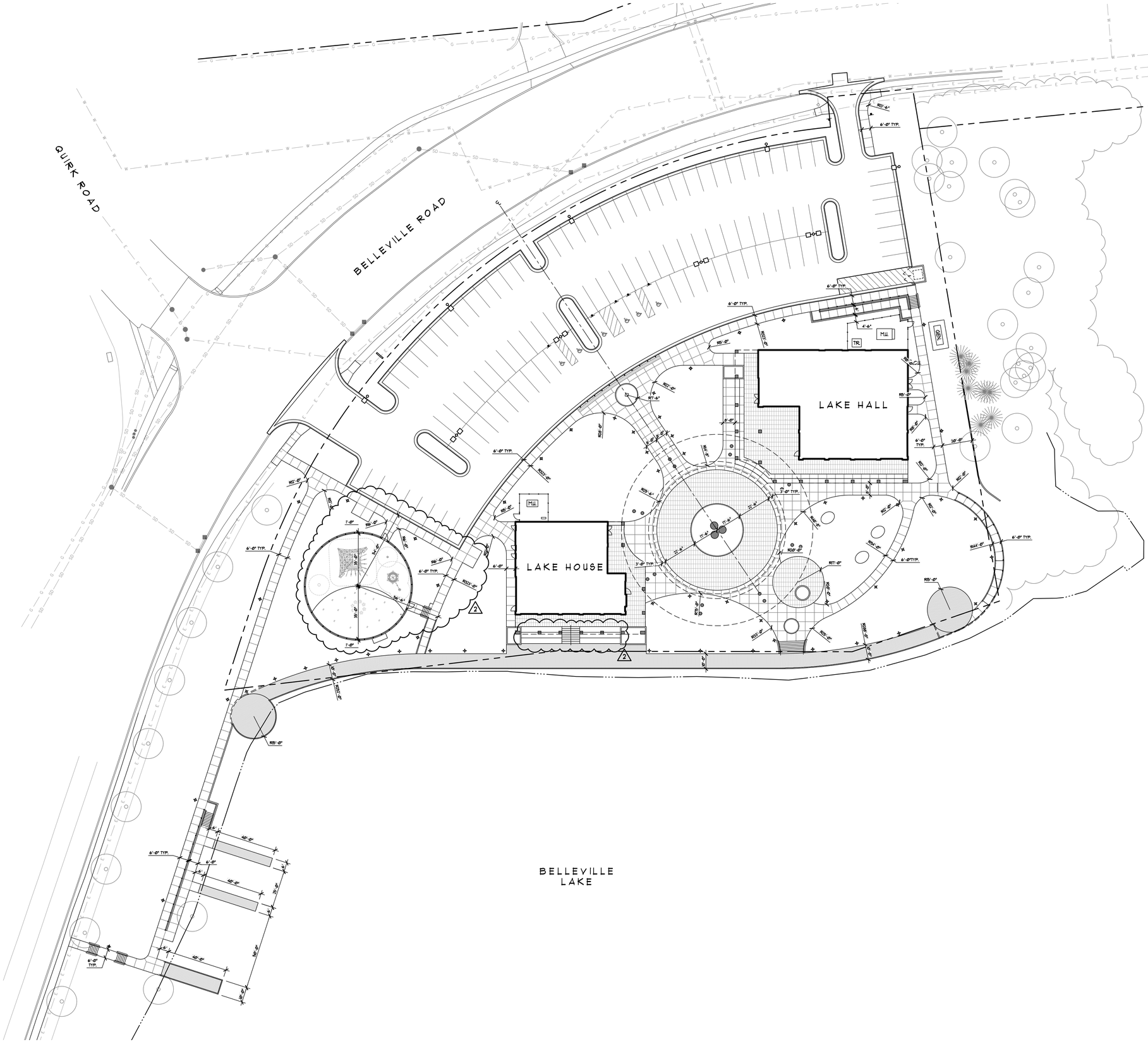
PROJECT NO.

2500281

SHEET NO.

L101

©Copyright 2025
All Rights Reserved



GRISSIM METZ ASSOCIATES ANDRIESE
Landscape Architecture

Layout Notes:

1. LAYOUT TO BE PROVIDED BY A REGISTERED SURVEYOR.
2. ALL DIMENSIONS ARE TO BACK OF CURB, AS APPLICABLE, UNLESS OTHERWISE NOTED.
3. ANY DISCREPANCIES IN SITE LAYOUT SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT PRIOR TO PROCEEDING.
4. MEET ALL EXISTING ROAD PAVEMENT, CURBS, GUTTERS AND SIDEWALKS FLUSH AT EXISTING WIDTHS AS SHOWN ON THE PLANS.
5. RADIAL FORMS THAT ARE CONTINUOUS WITH ABUTTING GEOMETRY ARE TO INTERSECT AT A POINT OF TANGENCY, TYPICAL.
6. ELECTRONIC FILES ARE AVAILABLE UPON REQUEST FOR LAYOUT PURPOSES.

NORTH

LAYOUT PLAN

SCALE: 1" = 30'

0 15 30 60

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	ADDENDUM NO. 2
10/12/2026	BIDS AND PERMITS
09/25/2026	SITE PLAN REVIEW
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	BBOUCHARD
Designer	PANDRIESE
Reviewer	PANDRIESE
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

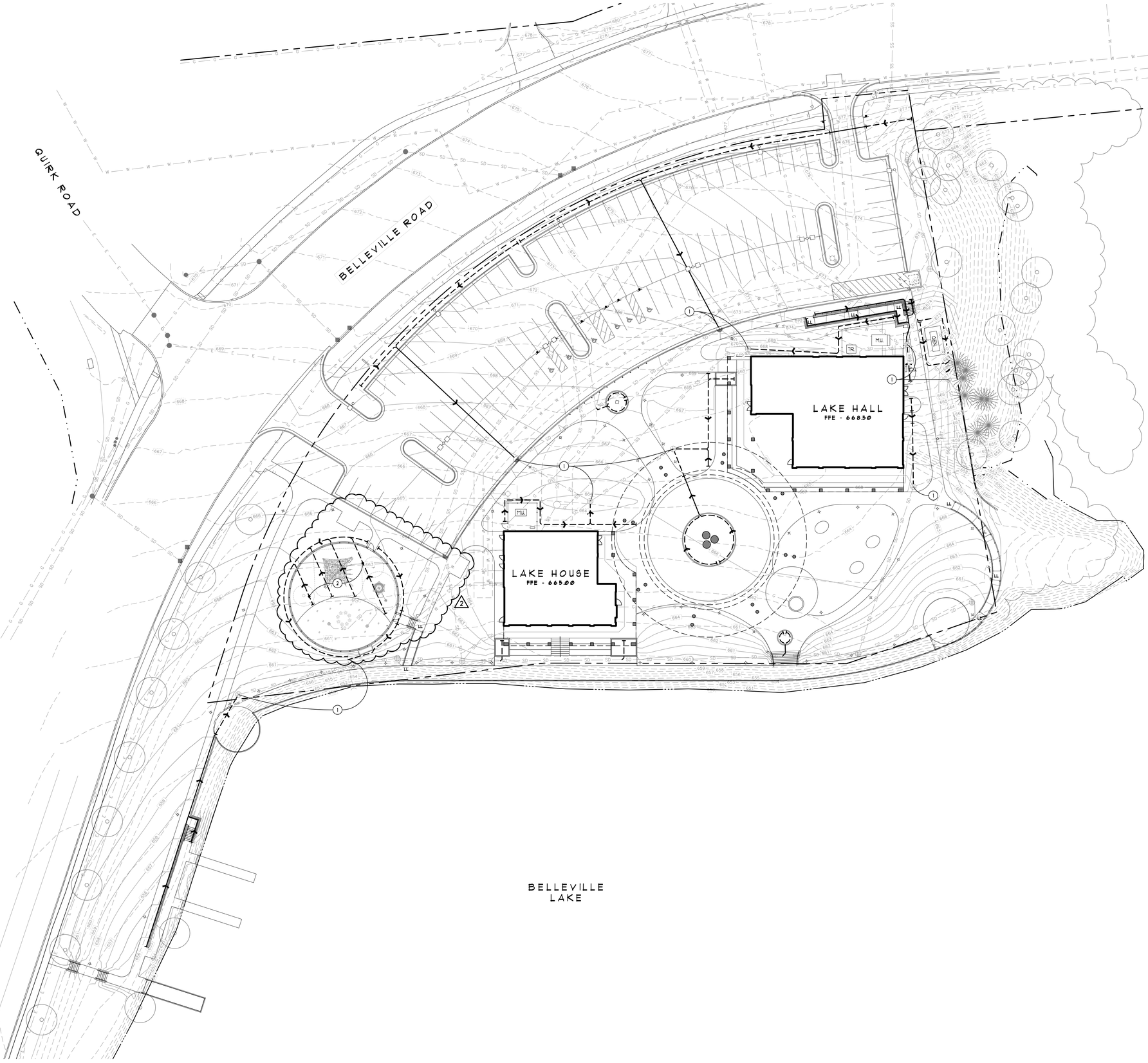
PROJECT NO.

2500281

SHEET NO.

L201

©Copyright 2025
All Rights Reserved



GRISSIM METZ ASSOCIATES ANDRIESE
Landscape Architecture

Landscape Underdrainage Legend:

LL	LEVEL LANDING, TYP. - REFER TO CIVIL PLANS
SD SD SD SD	EXISTING / PROPOSED STORM SEWER, TYP.
SS SS SS SS	EXISTING / PROPOSED SANITARY SEWER, TYP.
W W W W	EXISTING / PROPOSED WATER MAIN, TYP.
E E E E	EXISTING / PROPOSED ELECTRIC, TYP.
G G G G	EXISTING / PROPOSED GAS, TYP.
670	EXISTING CONTOUR MAJOR LINE, TYP.
668	EXISTING CONTOUR MINOR LINE, TYP.
670	PROPOSED CONTOUR MAJOR LINE, TYP. - REFER TO CIVIL PLANS
668	PROPOSED CONTOUR MINOR LINE, TYP. - REFER TO CIVIL PLANS
	EXISTING WATER LINE, TYP.
DIRECTION OF FLOW / C.O. (CLEAN OUT) / TRANSITION FROM PERFORATED DRAIN TILE SOLID DRAIN PIPE	4" DIA. PERF. OR SOLID DRAIN PIPE, 1.0% MIN. SLOPE, UNLESS SHOWN OTHERWISE ON PLANS, TYP. CLEAN OUTS IN LANDSCAPED AREAS TO BE 6" DIA. PVC RISER PIPE FLUSH TO GRADE WITH BLACK PLASTIC CAP, STARTING INVERT FOR ALL DRAIN PIPE TO BE 12" BELOW FINISH GRADE UNLESS SHOWN OTHERWISE ON PLANS, TYP.

Note Key:

1. LANDSCAPE UNDERDRAINAGE TIE-IN LOCATIONS TO STORM SYSTEM, TYP. - REFER TO CIVIL PLANS
2. COORDINATE SYNTHETIC TURF UNDERDRAINAGE LAYOUT WITH PLAYGROUND INSTALLER TO AVOID CONFLICTS WITH PLAY STRUCTURE FOOTINGS, TYP.

Landscape Underdrainage Notes:

1. PROTECT ALL NEW AND EXISTING UTILITIES, LIGHTS, PAVEMENT, POLES, ETC. DURING CONSTRUCTION.
2. RESTORE ANY DAMAGED INFRASTRUCTURE TO PRE-CONSTRUCTION CONDITIONS PER SPECIFICATIONS.
3. ALL DISTURBED LAWN AREAS SHALL BE RESTORED IN ACCORDANCE WITH THE LANDSCAPE PLANS.
4. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITION INFORMATION SHOWN PRIOR TO CONSTRUCTION. NOTIFY THE OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT OF ANY CONCERNS PRIOR TO PROCEEDING.
5. LOCATE ALL EXISTING UNDERGROUND UTILITIES PRIOR TO BEGINNING ANY EXCAVATION WORK.
6. THE CONTRACTOR SHALL NOTE EXISTING UNDERGROUND UTILITIES WITHIN AND ADJACENT TO THE SITE. BACKFILL FOR EXISTING UTILITY TRENCHES SHALL BE EXAMINED CRITICALLY. ANY TRENCHES FOUND TO HAVE SOFT, UNSTABLE OR UNSUITABLE BACKFILL MATERIAL, THAT ARE TO BE WITHIN THE ZONE OF INFLUENCE OF PROPOSED PAVEMENT SHALL BE COMPLETELY EXCAVATED AND BACKFILLED WITH SUITABLE MATERIAL.
7. MATCH PROPOSED GRADES TO EXISTING GRADES AT THE LIMIT OF WORK, AS INDICATED AT EACH PROPOSED CONTOUR, AND AS INDICATED SPECIFICALLY ON THE PLANS.
8. THE STAGING OF CONSTRUCTION ACTIVITIES SHALL OCCUR ONLY WITHIN THE SITE BOUNDARIES. ANY CONSTRUCTION ACTIVITIES OUTSIDE OF THE SITE BOUNDARIES SHALL BE AT THE SOLE RESPONSIBILITY AND RISK OF THE CONTRACTOR.
9. ALL WALK RAMPS ARE TO BE IN COMPLIANCE WITH MDOT R-28 SERIES STANDARD PLANS FOR SIDEWALK RAMPS AND IN COMPLIANCE WITH ADA STANDARDS.
10. REFER TO CIVIL PLANS FOR ALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES AND NOTES.
11. REFER TO CIVIL PLANS FOR ALL GRADING, DRAINAGE, AND UTILITY WORK.

NORTH

UNDERDRAINAGE PLAN

SCALE: 1" = 30'

0 15 30 60

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	ADDENDUM NO. 2
10/12/2026	BIDS AND PERMITS
09/25/2026	SITE PLAN REVIEW
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

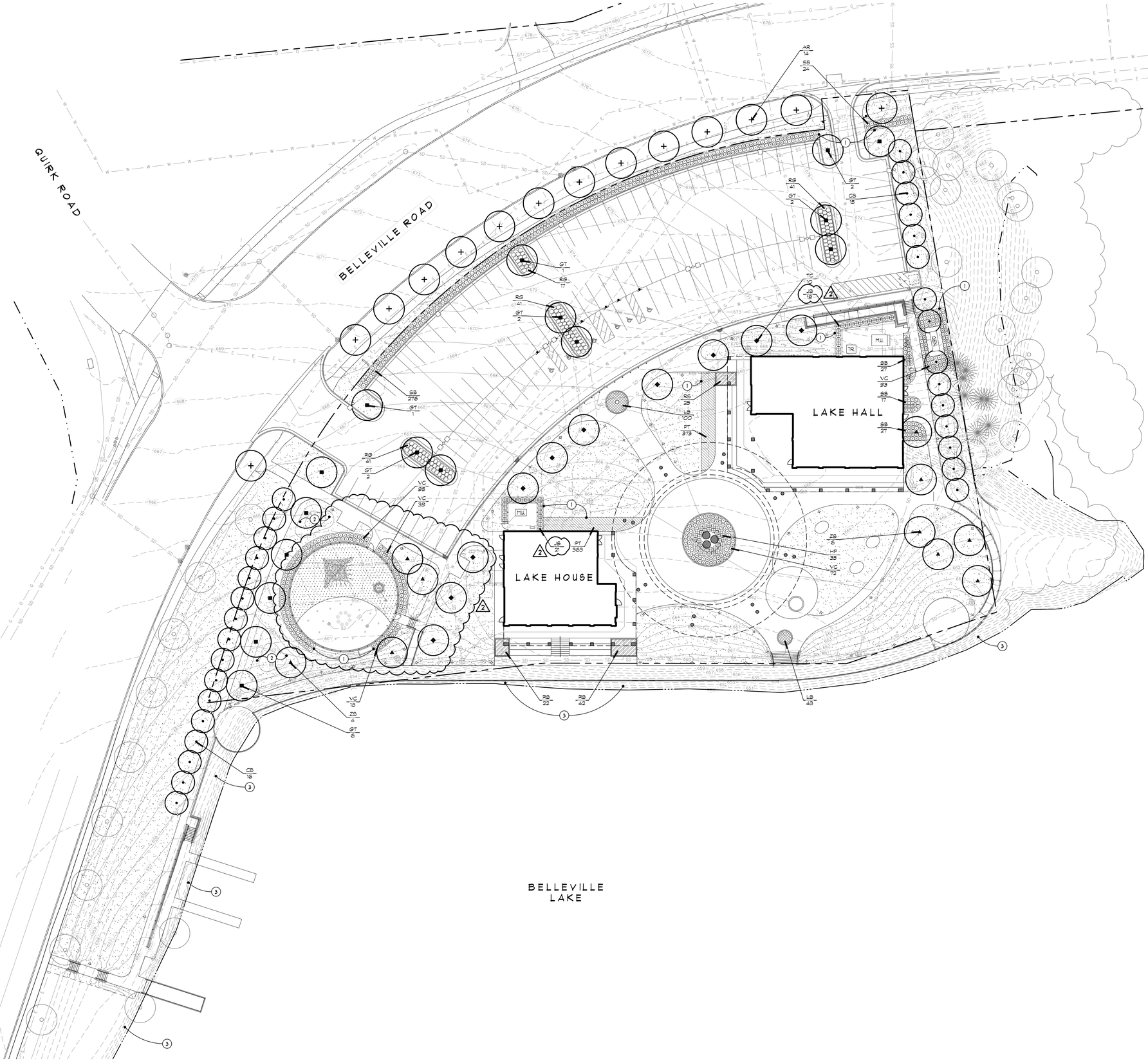
Drawn By	BBOUCHARD
Designer	PANDRIESE
Reviewer	PANDRIESE
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

SHEET NO.
L301

©Copyright 2025
All Rights Reserved



GRISSIM METZ ASSOCIATES ANDRIESE
Landscape Architecture

Landscape Legend:

- PLANT CODE
- AR25 — CALIPER SIZE, IF APPLICABLE
- 1 — QUANTITY
- SODDED AND IRRIGATED LAWN ON 3" DEPTH TOPSOIL, TYP.
- PLAYGROUND SYNTHETIC TURF SURFACING - REFER TO SITE DETAILS
- LIMIT OF SODDED LAWN, TYP.
- EXISTING TREE TO REMAIN, TYP.
- SD — EXISTING / PROPOSED STORM SEWER, TYP.
- SS — EXISTING / PROPOSED SANITARY SEWER, TYP.
- W — EXISTING / PROPOSED WATER MAIN, TYP.
- E — EXISTING / PROPOSED ELECTRIC, TYP.
- G — EXISTING / PROPOSED GAS, TYP.
- 670 — EXISTING CONTOUR LINE, TYP.
- 670 — PROPOSED CONTOUR MAJOR, TYP.
- 668 — PROPOSED CONTOUR MINOR, TYP.
- EXISTING WATER LINE, TYP.

Note Key:

1. ALUMINUM EDGING BETWEEN ALL PLANT BEDS AND LAWN, TYP. - REFER TO SPECS
2. LOW SCULPTED BERMS, TYP. - COORDINATE WITH CIVIL GRADING PLANS
3. PROTECTED WATER-WILLOW PLANT SPECIES ALONG SHORELINE TO REMAIN UNDISTURBED THROUGHOUT CONSTRUCTION, TYP.

Landscape Notes:

1. ALL DISTURBED AREAS DUE TO CONSTRUCTION OPERATIONS SHALL BE RESTORED WITH NEW SODDED LAWN ON 3" OF TOPSOIL. REFER TO TOPSOIL SPECIFICATIONS.
2. ALL BED LINES AND MOW EDGES SHALL BE PAINTED OUT BY THE CONTRACTOR FOR APPROVAL BY THE OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
3. PROVIDE DOUBLE-PROCESSED SHREDDED BARK MULCH IN ALL SHRUB AND PERENNIAL, AND ORNAMENTAL GRASS BEDS, TYP. REFER TO LANDSCAPE PLANTING DETAILS FOR MULCH DEPTH.
4. PROTECT ALL NEW AND EXISTING UTILITIES, LIGHTS, PAVEMENT, POLES, ETC. DURING CONSTRUCTION AS INDICATED ON THE PLANS.
5. RESTORE ANY DAMAGED LANDSCAPE OR INFRASTRUCTURE TO PRE-CONSTRUCTION STATE PER SPECIFICATIONS.
6. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITION INFORMATION PRIOR TO CONSTRUCTION. NOTIFY THE OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT OF ANY CONCERNS PRIOR TO PROCEEDING.
7. LOCATE ALL EXISTING UNDERGROUND UTILITIES PRIOR TO BEGINNING ANY EXCAVATION WORK.
8. PROPOSED UTILITIES SHOWN FOR REFERENCE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES PRIOR TO CONSTRUCTION AND NOTIFYING THE OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT OF ANY CONCERNS PRIOR TO PROCEEDING.
9. REFER TO CIVIL PLANS FOR ALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) MEASURES AND NOTES.

Plant List:

CODE	QTY	BOTANICAL / COMMON NAME	SIZE	REMARKS
TREES				
AR	14	Acer rubrum 'Red Sunset' Red Sunset Maple	3" cal.	B&B
CB	31	Carpinus betulus 'Frans Fontaine' Frans Fontaine Hornbeam	2.5" cal.	B&B
GT	16	Gleditsia triacanthos inermis 'Skyline' Skyline Honey Locust	3" cal.	B&B
TC	10	Tilia cordata 'Greenspire' Greenspire Littleleaf Linden	3" cal.	B&B
ZS	10	Zelkova serrata Japanese Zelkova	3" cal.	B&B
SHRUBS				
HP	35	Hydrangea paniculata 'Ilvobo' Bobo Panicle Hydrangea	3 gal.	Plant 36" o.c.
JS	40	Juniperus sabina 'Broadmoor' Broadmoor Juniper	3 gal.	Plant 36" o.c.
RG	140	Rhus aromatica 'Gro-Low' Gro-Low Fragrant Sumac	3 gal.	Plant 36" o.c.
SB	371	Spiraea x bumalda 'Anthony Waterer' Anthony Waterer Spirea	3 gal.	Plant 30" o.c.
VC	317	Viburnum carlesii 'Koreanspice' Koreanspice Viburnum	3 gal.	Plant 36" o.c.
GROUND COVERS				
LS	143	Liriope spicata Creeping Lilyturf	1 gal.	Plant 15" o.c.
PT	736	Pachysandra terminalis Japanese Pachysandra	1 gal.	Plant 15" o.c.
RS	89	Rosa x 'Meizorland' White Drift Groundcover Rose	3 gal.	Plant 24" o.c.

NORTH

LANDSCAPE PLAN

SCALE: 1" = 30'

0 15 30 60

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	ADDENDUM NO. 2
10/12/2026	BIDS AND PERMITS
09/25/2026	SITE PLAN REVIEW
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

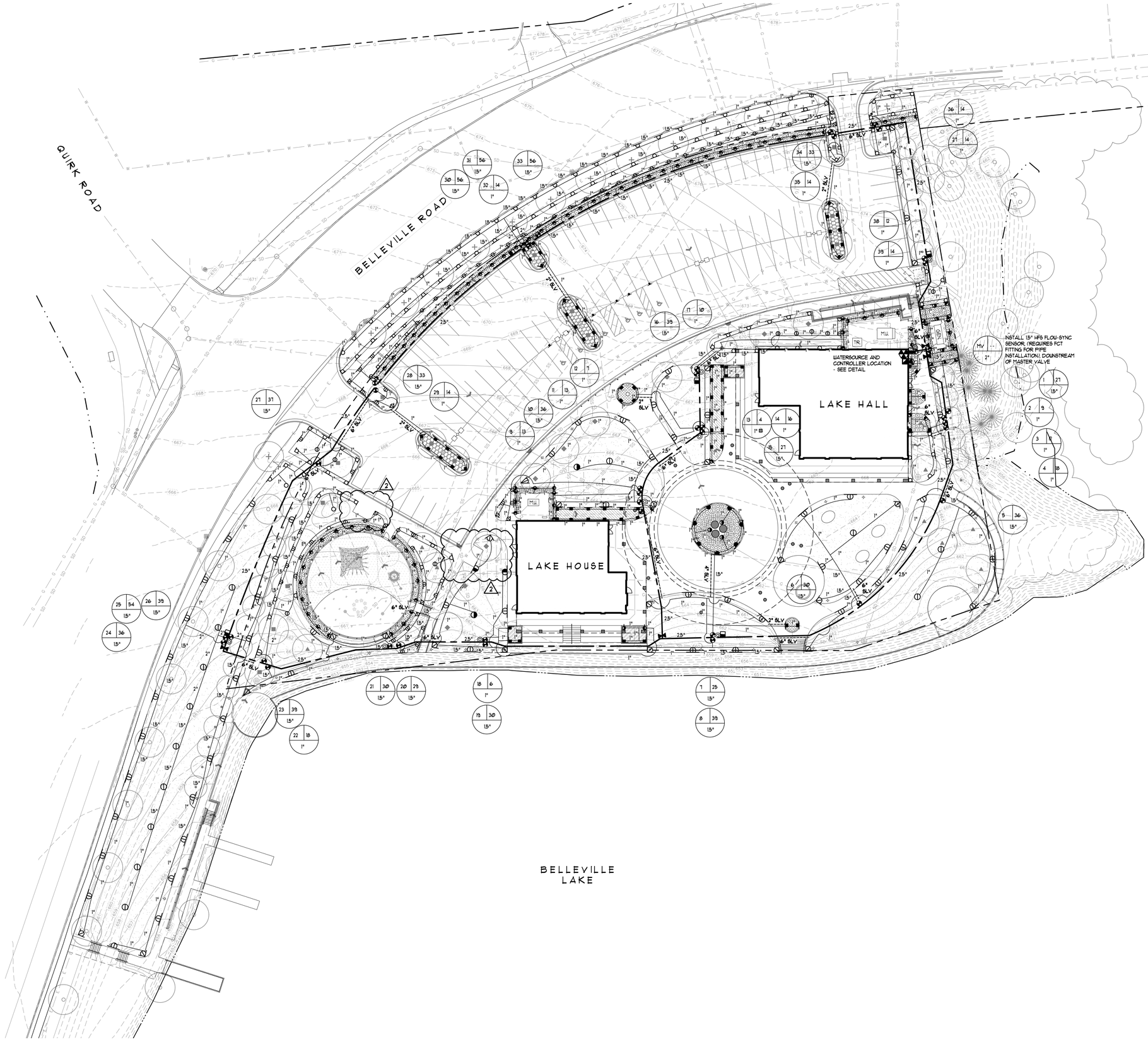
Drawn By	BBOUCHARD
Designer	PANDRIESE
Reviewer	PANDRIESE
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

SHEET NO.
L501

©Copyright 2025
All Rights Reserved



GRISSIM METZ ASSOCIATES ANDRIESE
Landscape Architecture

fishbeck
Engineers | Architects | Scientists | Constructors

Irrigation Legend:

KEY	EQUIPMENT	HUNTER
	4" Pop Up Spray w/	PROS-04-PRS30-CV w/ Pro-Spray Fixed Nozzles
Q F H	15' Radius Nozzle	15 Series Nozzle
	12' Radius Nozzle	12 Series Nozzle
	10' Radius Nozzle	10 Series Nozzle
	Strip Spray Nozzle	SS-530 Side, ES-515 End
	12" Pop Up Spray w/	PROS-12-PRS30-CV w/ Pro-Spray Fixed Nozzles
Q F H	15' Radius Nozzle	15 Series Nozzle
	12' Radius Nozzle	12 Series Nozzle
	10' Radius Nozzle	10 Series Nozzle
	Strip Spray Nozzle	SS-530 Side, ES-515 End
	Medium Rotary Sprinkler	I-20-04
	35' Radius, 3.0 GPM	30 Nozzle
	35' Radius, 6.0 GPM	60 Nozzle
	Medium Rotary Sprinkler	I-20-04
	25' Radius, 3.0 GPM	3.0 LA Nozzle
	25' Radius, 4.5 GPM	4.5 LA Nozzle
	Automatic Control Valve	ICV
	Quick Coupling Valve	QVC-100
	2" Watersource	See Notes on Plans
	Wall mount two-wire controller with cellular nodule, subscription to Centralus software, and hand held remote	A2C-75D-66 A2C-LTEM Cellular Module 1.5" HFS Flow-sync sensor ROAM XL KIT
	Rain Sensor	Solar Sync
	Surge Arrestor	Hunter
	Isolation Valve - 2.5"	Nibco T113

2

Zone Number
GPM for new zones
Valve Size

MAINLINE PIPE, CLASS 200 PVC, REFER TO SPECIFICATIONS

LATERAL PIPE, PE 3408, 100 PSI, REFER TO SPECIFICATIONS

X" SLV — SLEEVE TO BE INSTALLED BENEATH NEW PAVING, 24" BURY - SIZE AS SHOWN; INSTALLATION SHALL BE PART OF IRRIGATION SCOPE OF WORK.

NORTH

IRRIGATION PLAN

SCALE: 1" = 30'

0 15 30 60

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	ADDENDUM NO. 2
10/12/2026	BIDS AND PERMITS
09/25/2026	SITE PLAN REVIEW
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW

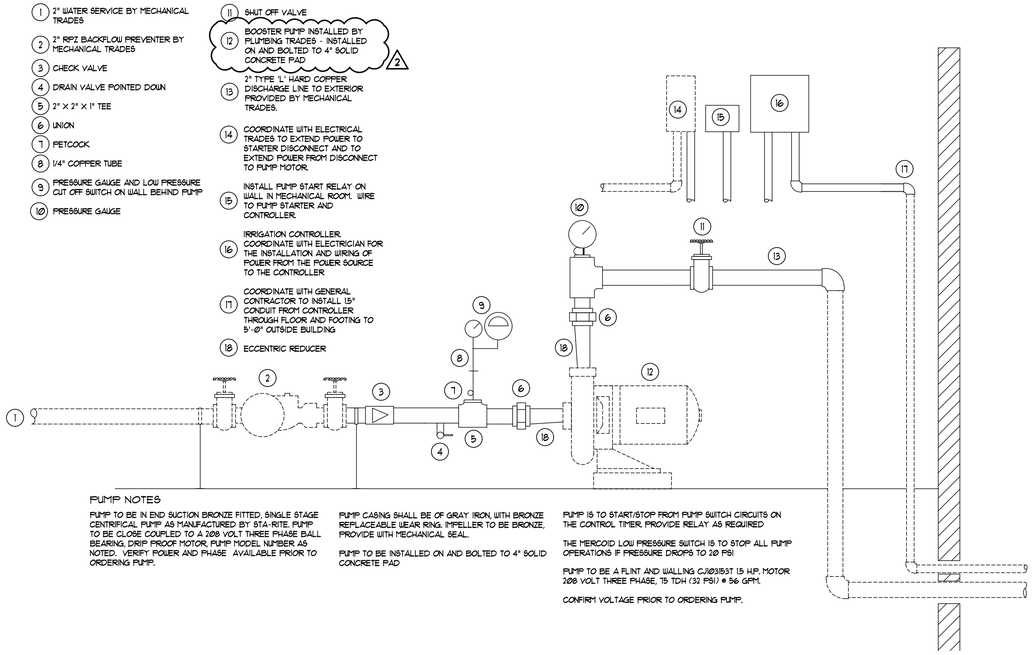
Drawn By	BBOUCHARD
Designer	PANDRIESE
Reviewer	PANDRIESE
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

SHEET NO.
L601

©Copyright 2025
All Rights Reserved



1. 2" WATER SERVICE BY MECHANICAL TRADES
2. 2" RPZ BACKFLOW PREVENTER BY MECHANICAL TRADES
3. CHECK VALVE
4. DRAIN VALVE POINTED DOWN
5. 2" X 2" X 1" TEE
6. UNION
7. PETCOCK
8. 1/4" COPPER TUBE
9. PRESSURE GAUGE AND LOW PRESSURE CUT OFF SWITCH ON WALL BEHIND PUMP
10. PRESSURE GAUGE
11. SHUT OFF VALVE
12. BOOSTER PUMP INSTALLED BY PLUMBING TRADES - INSTALLED ON AND BOLTED TO 4" SOLID CONCRETE PAD
13. 2" TYPE 'L' HARD COPPER DISCHARGE LINE TO EXTERIOR PROVIDED BY MECHANICAL TRADES.
14. COORDINATE WITH ELECTRICAL TRADES TO EXTEND POWER TO STARTER DISCONNECT AND TO EXTEND POWER FROM DISCONNECT TO PUMP MOTOR.
15. INSTALL PUMP START RELAY ON WALL IN MECHANICAL ROOM. WIRE TO PUMP STARTER AND CONTROLLER.
16. IRRIGATION CONTROLLER. COORDINATE WITH ELECTRICIAN FOR THE INSTALLATION AND WIRING OF POWER FROM THE POWER SOURCE TO THE CONTROLLER.
17. COORDINATE WITH GENERAL CONTRACTOR TO INSTALL 1.5" CONDUIT FROM CONTROLLER THROUGH FLOOR AND FOOTING TO 5'-0" OUTSIDE BUILDING
18. ECCENTRIC REDUCER

PUMP NOTES

PUMP TO BE IN END SUCTION BRONZE FITTED, SINGLE STAGE CENTRIFICAL PUMP AS MANUFACTURED BY STA-RITE. PUMP TO BE CLOSE COUPLED TO A 208 VOLT THREE PHASE BALL BEARING, DRIP PROOF MOTOR. PUMP MODEL NUMBER AS NOTED. VERIFY POWER AND PHASE AVAILABLE PRIOR TO ORDERING PUMP.

PUMP CASING SHALL BE OF GRAY IRON, WITH BRONZE REPLACEABLE WEAR RING. IMPELLER TO BE BRONZE, PROVIDE WITH MECHANICAL SEAL.

PUMP TO BE INSTALLED ON AND BOLTED TO 4" SOLID CONCRETE PAD

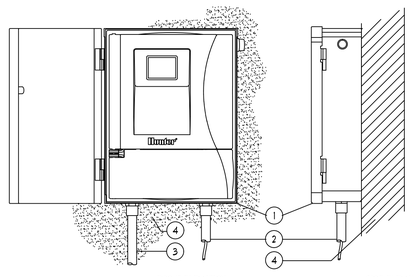
PUMP IS TO START/STOP FROM PUMP SWITCH CIRCUITS ON THE CONTROL TIMER. PROVIDE RELAY AS REQUIRED

THE MERCOID LOW PRESSURE SWITCH IS TO STOP ALL PUMP OPERATIONS IF PRESSURE DROPS TO 20 PSI

PUMP TO BE A FLINT AND WALLING CJ6035ST 1.5 H.P. MOTOR 208 VOLT THREE PHASE, 75 TDH (32 PSI) @ 56 GPM.

CONFIRM VOLTAGE PRIOR TO ORDERING PUMP.

1 Schematic Watersource Detail
NOT TO SCALE



FRONT ELEVATION

SIDE ELEVATION

DETAIL LEGEND

1. IRRIGATION CONTROLLER PER PLAN
2. IRRIGATION CONTROL WIRE IN 1.5" CONDUIT - SIZE AND TYPE PER LOCAL CODES
3. ELECTRICAL SUPPLY CONDUIT - CONNECT TO POWER SOURCE, J-BOX INSIDE CONTROLLER
4. WALL

HUNTER CONTROLLER

CONTROLLERS SHALL BE INSTALLED AT LOCATION IN MECHANICAL ROOM.

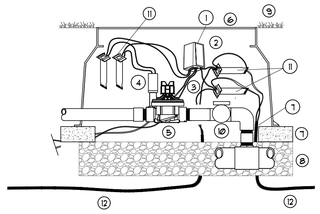
INSTALLATION SHALL INCLUDE

- ACC2 DECODER, WALL MOUNT MODEL WITH STAINLESS STEEL ENCLOSURE, A2C-150-SS.
- INSTALLATION OF SINGLE STATION LINE DECODERS FOR ALL IRRIGATION VALVES.
- GROUND THE TWO-WIRE CABLE PER ALL HUNTER RECOMMENDATIONS AND A MINIMUM OF EVERY 500' ALONG TWO-WIRE PATH AND AT ALL "DEAD ENDS".
- USE OF 14/2 HUNTER CABLE.
- INSTALLATION OF SOLAR SYNC ON BUILDING EXTERIOR.
- WIFI MODULE A2C-WIFI FOR FUTURE CONNECTION TO CENTRALUS.

2 Controller Detail
NOT TO SCALE

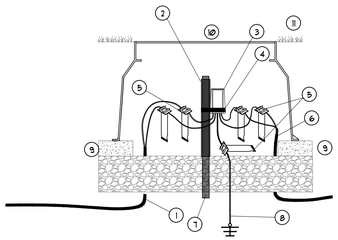
NOTES:

A. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
B. CONTROLLER ACCEPTS 120 VOLTS A.C. OR 230 VOLTS A.C.
C. SEE PLAN LEGEND FOR MODEL NUMBER AND SPECIFICATIONS.
D. ALWAYS REFER TO PRODUCT INSTALLATION NOTES PRIOR TO INSTALLATION.



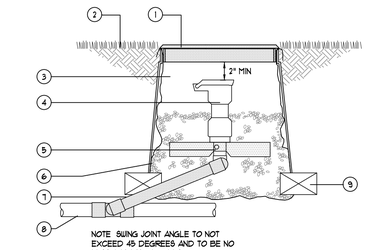
1. HUNTER ICD DECODER MOUNTED ON DECODER STAKE.
2. RED WIRE AT DECODER.
3. BLUE WIRE AT DECODER.
4. BLACK WIRES (2) AT DECODER TO SOLENOID CONTROL WIRES.
5. CONTROL VALVE ASSEMBLY.
6. RECTANGULAR VALVE BOX WITH
7. COMMON BRICK, 2 TOTAL, ONE ON EACH SHORT SIDE OF BOX.
8. GRAVEL BASE, 4" DEEP
9. FINISH GRADE.
10. PLASTIC BALL VALVE, SAME SIZE AS AUTOMATIC VALVE
11. 3M DBRY-6 CONNECTORS
12. TWO-WIRE CABLE FROM / TO NEXT VALVE

3 Automatic Valve Detail
NOT TO SCALE



1. TO NEXT DECODER
2. PVC PIPE 1" SCH 40
3. SURGE PROTECTION MODULE
4. ELECTRICAL CABLE TIE - 12"
5. DBRY-6 (5)
6. JACKETED ID WIRE PATH FROM CONTROLLER ALLOW 5 FT/5M SLACK PER SURGE DEVICE 1/2 ON EITHER SIDE
7. PVC PIPE .75" SCH 40
8. TO EARTH GROUND 8FT/2.5M FROM DECODER AT RIGHT ANGLE TO THE 2-WIRE PATH
9. COMMON BRICK, 2 TOTAL, ONE ON EACH SHORT SIDE OF BOX.
10. RECTANGULAR VALVE BOX
11. GRADE

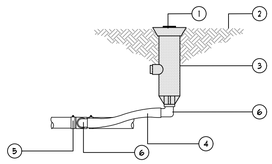
4 Grounding/Surge Arrestor Detail
NOT TO SCALE



1. 10" ROUND ARMOR OR CARSON VALVE BOX
2. FINISH GRADE
3. INTERIOR OF BOX TO BE FREE FROM SOIL AND DEBRIS
4. 1" QUICK COUPLING VALVE
5. 1" QUICK COUPLER STABILIZER
6. FILTER FABRIC WITH PEA STONE. FILL VALVE BOX WITH STONE TO 2" BELOW QUICK COUPLER TOP. PACK STONE IN 1" LIFTS
7. SCHEDULE 80 PRE-FABRICATED SWING JOINT WITH O-RING SEALS AND MINIMUM 12" LAY LENGTH, LASCO, SPEARS, OR DURA
8. MAINLINE PIPE.
9. BRICK SUPPORT - INSTALL TWO ON OPPOSING SIDES

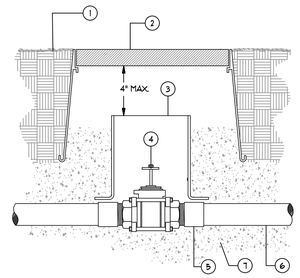
NOTE SWING JOINT ANGLE TO NOT EXCEED 45 DEGREES AND TO BE NO LESS THAN 22 DEGREES

5 Quick Coupling Valve Detail
NOT TO SCALE



1. INSTALL SPRINKLER 1/4" ABOVE GRADE AND A MINIMUM OF 6" OFF WALKS AND CURBS.
2. FINISH GRADE
3. POP UP SPRINKLER USING BOTTOM INLET.
4. 1/2" SWING PIPE, MINIMUM LENGTH 8" MAXIMUM LENGTH 18".
5. STAINLESS STEEL WORM GEAR CLAMP AND SCREW
6. 1/2" OR 3/4" MALE ELBOW

6 Two Elbow Swing Joint Detail
NOT TO SCALE



1. FINISH GRADE
2. 11" X 14" VALVE BOX - SEE GENERAL NOTES, 12@3
3. 8" DIAMETER CL. 160 PVC SLEEVE BOTTOM TO BE FLARED AND CONTACT TOP OF PRESSURE SUPPLY LINE
4. GATE VALVE, SIZE TO EQUAL MAINLINE SIZE
5. SLIP X MIPT SCH. 80 PVC ADAPTOR (2 REQUIRED)
6. MAINLINE PIPE
7. 3/4" CRUSHED ROCK 1 CU FT. MIN

7 Isolation Valve
NOT TO SCALE

IRRIGATION DETAILS

SCALE: AS NOTED

GRISSIM METZ ASSOCIATES ANDRIESE
Landscape Architecture

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	ADDENDUM NO. 2
10/12/2026	BIDS AND PERMITS
09/25/2026	SITE PLAN REVIEW
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW

Drawn By	BBOUCHARD
Designer	PANDRIESE
Reviewer	PANDRIESE
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

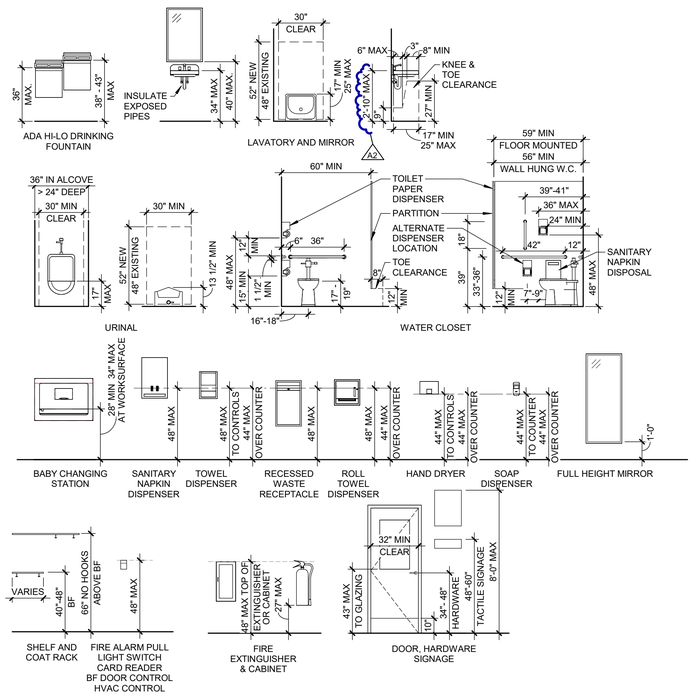
SHEET NO.
L602

©Copyright 2025
All Rights Reserved

GENERAL ARCHITECTURAL ABBREVIATIONS

ACM	ALUMINUM COMPOSITE MATERIAL	FT	FOOT, FEET	PORT	PORTABLE
ACT	ACOUSTICAL CEILING TILE	FTG	FOOTING	PP	PUSH PLATE
ACP	ACOUSTICAL CEILING PANEL	FURN	FURNITURE	PR	PAIR
ADDL	ADDITIONAL			PREFAB	PREFABRICATED
ADJ	ADJUSTABLE	GA	GAUGE, GAGE	PREP	PREPARATION
AFF	ABOVE FINISH FLOOR	GAL	GALLON	PRKG	PARKING
AFG	ABOVE FINISH GRADE	GALV	GALVANIZED	PROC	PROCESS
AGGR	AGGREGATE	GB	GRAB BAR	PROJ	PROJECT
AHU	AIR HANDLING UNIT	GC	GENERAL CONTRACTOR	PROP	PROPERTY
AL	ALUMINUM	GFRC	GLASS FIBER REINFORCED CONCRETE	PSF	POUNDS PER SQUARE FOOT
ALT	ALTERNATE	GFRG	GLASS FIBER REINFORCED GYPSUM	PSI	POUNDS PER SQUARE INCH
ALUM	ALUMINUM	GL	GLASS	PTN	PARTITION
ANOD	ANODIZED	GLU LAM	GLUE LAMINATED	PVC	POLYVINYL CHLORIDE
APPROX	APPROXIMATE (LY)	GLZ	GLAZING	PVG	PAVING
ARCH	ARCHITECT (URAL)	GM	GRAM	PVMT	PAVEMENT
ASPH	ASPHALT	GR	GRADE, GRADING	PWR	POWER
AVG	AVERAGE	GYP BD	GYPSUM BOARD		
				QT	QUARRY TILE
BD	BOARD	H	HEIGHT, HIGH	QTR	QUARTER
BF	BARRIER FREE	HB	HOSE BIB	QTY	QUANTITY
BITUM	BITUMINOUS	HC	HOLLOW CORE		
BLDG	BUILDING	HD	HEAD	R	RISER
BM	BENCHMARK	HDW	HARDWARE	RA	RETURN AIR
BO	BOTTOM OF	HDWD	HARDWOOD	RAD	RADIUS
BOS	BOTTOM OF STEEL	HM	HOLLOW METAL	RB	RESILIENT/RUBBER BASE
BOT	BOTTOM	HORIZ	HORIZONTAL	RCP	REFLECTED CEILING PLAN
BRG	BEARING	HPT	HIGH POINT	RCPT	RECEPTACLE
BSMT	BASEMENT	HR	HOUR	RD	ROOF DRAIN
BTWN	BETWEEN	HT	HEIGHT	RECT	RECTANGULAR
BUR	BUILT UP ROOFING	HVAC	HEATING-VENTILATION-AIR CONDITIONING	REF	REFERENCE
				REFR	REFRIGERATOR
CAB	CABINET	HW	HOT WATER	REG	REGISTER
CB	CATCH BASIN			REINF	REINFORCE (D) (ING) (MENT)
CCTV	CLOSED CIRCUIT TELEVISION	ID	INSIDE DIAMETER	REQD	REQUIRED
CEM	CEMENT, CEMENTITIOUS	IMP	INSULATED METAL PANEL	REQT	REQUIREMENT
CER	CERAMIC	IN	INCH (ES)	RESIL	RESILIENT
CFCI	CONTRACTOR FURNISHED-CONTRACTOR INSTALLED	INCAND	INCANDESCENT	RET	RETURN
		INCL	INCLUDE, INCLUDING	REV	REVISION
CFOI	CONTRACTOR FURNISHED-OWNER INSTALLED	INFO	INFORMATION	RF	RESILIENT FLOORING
		INSUL	INSULATION	RH	RIGHT HAND
CG	CORNER GUARD	INT	INTERIOR	RM	ROOM
CI	CAST IRON	INV	INVERT	RND	ROUND
CJ	CONTROL JOINT			RO	ROUGH OPENING
CL	CENTER LINE	JAN	JANITOR	ROW	RIGHT OF WAY
CLG	CEILING	JC	JANITOR'S CLOSET		
CLR	CLEAR	JST	JOIST	SA	SUPPLY AIR
CMU	CONCRETE MASONRY UNIT	JT	JOINT	SB	SPLASH BLOCK
COL	COLUMN			SC	SOLID CORE
CONC	CONCRETE	KG	KILOGRAM	SCHED	SCHEDULE
CONF	CONFERENCE	KIT	KITCHEN	SD	STORM DRAIN
CONN	CONNECTION	KM	KILOMETER	SE	SOUTHEAST
CONSTR	CONSTRUCTION	KPL	KICK PLATE	SECT	SECTION
CONT	CONTINUOUS			SEG	SEGMENT
CONTR	CONTRACTOR	L	LENGTH, LONG	SEP	SEPARATION, SEPARATE
CORR	CORRUGATED	LAB	LABORATORY	SEP JT	SEPARATION JOINT
CPT	CARPET	LAM	LAMINATE, LAMINATION	SHGC	SOLAR HEAT GAIN COEFFICIENT
CR	CARD READER	LAV	LAVATORY	SHT	SHEET, SHEETING
CSK	COUNTERSUNK	LB	POUND	SHV	SHELVES, SHELVING
CT	CERAMIC TILE	LED	LIGHT-EMITTING DIODE	SHWR	SHOWER
CU	CUBIC	LF	LINEAR FOOT	SIM	SIMILAR
CW	COLD WATER	LH	LEFT HAND	SP	SPACE, SPACED, SPACING
		LIN	LINEAR	SPEC	SPECIFICATION
D	DEPTH, DEEP	LL	LEAD LINED	SPKLR	SPRINKLER
DBL	DOUBLE	LLH	LONG LEG HORIZONTAL	SPKR	SPEAKER
DBL ACT	DOUBLE ACTING	LLV	LONG LEG VERTICAL	SQ	SQUARE
DEFS	DIRECT APPLIED EXTERIOR FINISH SYSTEM	LP	LOW POINT	SS	STAINLESS STEEL
		LT	LIGHT	SSK	SERVICE SINK
DEG	DEGREE	LT WT	LIGHT WEIGHT	SSM	SOLID SURFACE MATERIAL
DEMO	DEMOLITION	LTG	LIGHTING	ST	STREET
DEPT	DEPARTMENT	LVL	LAMINATED VENEER LUMBER	STAG	STAGGERED
DET	DETAIL	LVR	LOUVER	STC	SOUND TRANSMISSION COEFFICIENT
DF	DRINKING FOUNTAIN			STD	STANDARD
DIA	DIAMETER	M	METERS	STL	STEEL
DIAG	DIAGONAL	MATL	MATERIAL	STOR	STORAGE
DIFF	DIFFUSER	MAX	MAXIMUM	STRUCT	STRUCTURAL
DIM	DIMENSION	MDF	MEDIUM DENSITY FIBERBOARD	SUSP	SUSPENDED
DISP	DISPENSER	MDO	MEDIUM DENSITY OVERLAY	SUSP CLG	SUSPENDED CEILING
DN	DOWN	MECH	MECHANICAL	SW	SOUTHWEST
DS	DOWNSPOUT	MED	MEDIUM	SYM	SYMMETRICAL
DW	DISHWASHER	MEMB	MEMBRANE	SYST	SYSTEM
DWG	DRAWING	MEZZ	MEZZANINE		
DWGS	DRAWINGS	MFG	MANUFACTURING	T&B	TOP AND BOTTOM
		MFR	MANUFACTURER	T&G	TONGUE AND GROOVE
EA	EACH	MH	MANHOLE	TAN	TANGENT
EC	END CAP	MIN	MINIMUM	TD	TRENCH DRAIN
EF	EXHAUST FAN	MISC	MISCELLANEOUS	TEL	TELEPHONE
EG	EDGE GUARD	MM	MILLIMETERS	TEMP	TEMPORARY
EIFS	EXTERIOR INSULATION FINISH SYSTEM	MO	MASONRY OPENING	TEMP GL	TEMPERED GLASS
EJ	EXPANSION JOINT	MOD	MODULE, MODULAR	THERM	THERMAL
EL	ELEVATION	MTD	MOUNTED	THK	THICK (NESS)
ELAST	ELASTOMERIC	MTG	MOUNTING	THR	THRESHOLD
ELEC	ELECTRICAL	MULL	MULLION	THRU	THROUGH
ELEV	ELEVATOR			TO	TOP OF
EMER	EMERGENCY	N/A	NOT APPLICABLE	TOC	TOP OF CONCRETE, TOP OF CURB
ENCL	ENCLOSURE	NAT	NATURAL	TOR	TOP OF RAILING
EOS	EDGE OF SLAB	NE	NORTHEAST	TOS	TOP OF STEEL
EP	ELECTRICAL PANEL	NIC	NOT IN CONTRACT	TOT	TOTAL
EPB	ELECTRICAL PANEL BOARD	NO	NUMBER	TOW	TOP OF WALL
EPDM	ETHYLENE PROPYLENE DIENE MONOMER	NOM	NOMINAL	TP	TOP OF PAVEMENT
		NRC	NOISE REDUCTION COEFFICIENT	TPO	THERMOPLASTIC POLYOLEFIN
EQ	EQUAL	NTS	NOT TO SCALE	TR	TREAD
EQ SP	EQUALLY SPACED	NW	NORTHWEST	TV	TELEVISION
EQUIP	EQUIPMENT			TYP	TYPICAL
EQUIV	EQUIVALENT	OA	OVERALL		
ESCAL	ESCALATOR	OC	ON CENTER	UC	UNDER COUNTER
EST	ESTIMATE (D)	OD	OUTSIDE DIAMETER	UL	UNDERWRITERS LABORATORIES
EWC	ELECTRIC WATER COOLER	OFCI	OWNER FURNISHED-CONTRACTOR INSTALLED	UNO	UNLESS OTHERWISE NOTED
EX	EXISTING			UTIL	UTILITY
EXCAV	EXCAVATED	OFOI	OWNER FURNISHED-OWNER INSTALLED		
EXH	EXHAUST			VAC	VACUUM
EXIST	EXISTING	OH	OVERHEAD	VCT	VINYL COMPOSITION TILE
EXP	EXPANSION	OPP	OPPOSITE	VERT	VERTICAL
EXT	EXTERIOR	ORD	OVERFLOW ROOF DRAIN	VEST	VESTIBULE
		OVHD	OVERHEAD	VIF	VERIFY IN FIELD
F/F	FACE TO FACE	OZ	OUNCE	VOL	VOLUME
FA	FIRE ALARM			VTR	VENT THROUGH ROOF
FAS	FIRE ALARM STATION	PA	PUBLIC ADDRESS	VWC	VINYL WALL COVERING
FCU	FAN COIL UNIT	PART	PARTIAL		
FD	FLOOR DRAIN	PBD	PARTICLEBOARD	W/	WITH
FDC	FIRE DEPARTMENT CONNECTION	PCF	POUNDS PER CUBIC FOOT	WC	WATER CLOSET
FEC	FIRE EXTINGUISHER CABINET	PCI	POUNDS PER CUBIC INCH	W/O	WITHOUT
FE	FIRE EXTINGUISHER	PEMB	PRE-ENGINEERED METAL BUILDING	W/W	WALL TO WALL
FF	FINISH FACE	PERF	PERFORATED	WC	WALL COVERING
FF&E	FURNITURE, FIXTURES & EQUIPMENT	PERIM	PERIMETER	WD	WOOD
FFE	FINISH FLOOR ELEVATION	PERM	PERMEABLE	WH	WATER HEATER
FFU	FAN FILTER UNIT	PERP	PERPENDICULAR	WLCHR	WHEELCHAIR
FHC	FIRE HOSE CABINET	PL	PLATE	WM	WIRE MESH
FIXT	FIXTURE	PLAM	PLASTIC LAMINATE	WR	WATER RESISTANT
FLAM	FLAMABLE	PLF	POUNDS PER LINEAR FOOT	WT	WEIGHT
FLASH	FLASHING	PLUMB	PLUMBING	WTHPRF	WEATHERPROOF
FLEX	FLEXIBLE	PLYWD	PLYWOOD	WTRPRF	WATERPROOF
FLUOR	FLUORESCENT	PNL	PANEL	WWF	WELDED WIRE FABRIC
FNDN	FOUNDATION	PNL BD	PANEL BOARD	WWM	WELDED WIRE MESH
FO	FACE OF	PT	PAINT		
FP	FIRE PROTECTION			YD	YARD
FRP	FIBER REINFORCED PLASTIC				
FRT	FIRE RETARDANT TREATED				

ACCESSIBILITY DETAILS (BASED ON ICC/ANSI A117.1, 2017)



MATERIALS LEGEND

PLAN AND SECTION

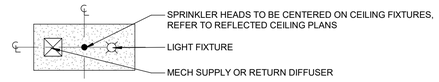
- ACOUSTIC TILE
- ALUMINUM
- BRICK MASONRY
- CONCRETE
- CONCRETE MASONRY UNIT
- EARTH
- FIREPROOFING, SPRAY FOAM INSULATION
- GRAVEL, PEASTONE
- LIMESTONE, SANDSTONE, GRANITE
- MARBLE
- MINERAL WOOL
- QUARTZ
- RIGID INSULATION
- SAND, GYPSUM BOARD
- SOLID SURFACE
- STEEL, STAINLESS STEEL
- TILE
- WOOD
- BATT INSULATION
- CARPET
- PLYWOOD
- WOOD BLOCKING - CONTINUOUS
- WOOD BLOCKING - DISCONTINUOUS

ELEVATION

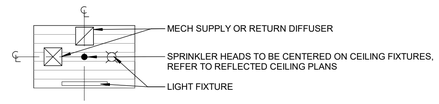
- ACOUSTIC WALL PANEL
- CONCRETE
- CONCRETE MASONRY UNIT
- CONCRETE MASONRY UNIT - SPLIT FACED
- GLAZING
- GLAZING - SPANDREL
- METAL WALL PANEL (SIZE ON DRAWINGS)
- METAL ROOF PANELS
- PRECAST PANELS (SIZE ON DRAWINGS)
- TILE, 1/3 OFFSET (SIZE IN FINISH LIST)
- TILE, MOSAIC (SIZE IN FINISH LIST)
- TILE, RUNNING BOND (SIZE IN FINISH LIST)
- TILE, STACK BOND (SIZE IN FINISH LIST)
- WOOD

FIRE SPRINKLER LOCATION LEGEND

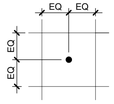
SPRINKLER HEAD LOCATION IN GYPSUM BOARD CEILINGS



SPRINKLER HEAD LOCATION IN LINEAR METAL CEILINGS



SPRINKLER HEAD LOCATION IN ACP CEILING



FLOOR PLAN SYMBOL LEGEND

- A — WALL TYPE
- CW1 — CURTAINWALL TYPE
- 101 — DOOR NUMBER
- 1T — WINDOW AND GLAZING TYPE
- METAL STUD WALL
- CMU WALL
- FACE BRICK
- CAST IN PLACE OR PRECAST CONCRETE
- EXISTING WALL
- EXISTING DOOR
- NEW DOOR
- FD — FLOOR DRAIN; REFER TO MECHANICAL
- ROOF HATCH ABOVE

REFLECTED CEILING PLAN SYMBOL LEGEND

- 2X4 LIGHT FIXTURE
- 2X2 LIGHT FIXTURE
- INDUSTRIAL OR STRIP LIGHT FIXTURE
- SURFACE, RECESSED, OR PENDANT LIGHT FIXTURE
- CEILING MOUNTED EXIT SIGN
- S — CEILING MOUNTED SPEAKER
- S — FIRE ALARM SMOKE DETECTOR
- H — FIRE ALARM HEAT DETECTOR
- J — CEILING MOUNTED JUNCTION BOX
- M — CEILING MOUNTED MICROPHONE
- S — CEILING MOUNTED SPEAKER
- PJ — PROJECTOR LIFT
- C — SECURITY CAMERA
- RETURN OR EXHAUST AIR GRILLE
- SUPPLY AIR DIFFUSER
- SLOT DIFFUSER
- ACCESS HATCH
- 3 — CONTROL JOINT
- 8'-0" — CEILING HEIGHT ELEVATION
- ACP# — CEILING TYPE
- GYPSUM BOARD SOFFIT OR CEILING
- 24 X 24 CEILING TILE AND GRID
- 24 X 96 CEILING TILE AND GRID
- WOOD CEILING
- LINEAR METAL CEILING

ROOF PLAN SYMBOL LEGEND

- TAPERED INSULATION
- RD — ROOF DRAIN
- ORD — OVERFLOW ROOF DRAIN
- SC — ROOF SCUPPER
- VTR — VENT THRU ROOF
- EF — EXHAUST FAN
- ROOF TOP HVAC UNIT
- ROOF HATCH
- SKYLIGHT
- TRAFFIC PAD
- CONCRETE SPLASH BLOCK
- R1 — ROOF TYPE

ELEVATION SYMBOL LEGEND

- 1T — GLASS AND FRAME TYPE
- 101 — DOOR NUMBER
- CW1 — CURTAINWALL TYPE

FINISH SYMBOL LEGEND

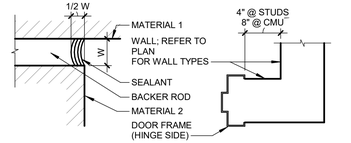
- X — FLOOR / WALL FINISH INDICATOR
- X — WALL FINISH EXTENTS
- PATTERN DIRECTION
- FLOOR FINISH TRANSITION
- W_XXX — WINDOW TREATMENT LOCATION INDICATOR (WINDOW TREATMENTS TO SPAN ENTIRE LENGTH OF OPENING)
- CORNER GUARD
- WALL PROTECTION
- ROOM FINISH TAG (WALL / BASE / FLOOR) "X" = VARIES, REFER TO FINISH PLAN AND ELEVATIONS

GENERAL NOTES

THE FOLLOWING GENERAL NOTES APPLY TO ARCHITECTURAL SHEETS. NOT ALL NOTES BELOW NECESSARILY APPLY TO THIS PROJECT.

1. COORDINATE ALL WORK INDICATED PER THE PROJECT MANUAL AND DRAWINGS - NOTE: THE MOST STRINGENT REQUIREMENT OR MORE COSTLY WORK SHALL GOVERN WHERE CONFLICTS OCCUR.
2. IF EXISTING CONDITIONS DIFFER FROM WHAT IS SHOWN, NOTIFY THE ARCHITECT IMMEDIATELY SO THE DESIGN MAY BE PROPERLY MODIFIED.
3. COORDINATE PHASING AND SEQUENCING OF THE WORK TO MAINTAIN CONTINUING OPERATION, BUILDING SECURITY AND WEATHER TIGHTNESS.
4. COORDINATE ALL CUT, PATCH, AND REPAIR WORK WITH ALL OTHER TRADES, INCLUDING MECHANICAL AND ELECTRICAL DRAWINGS. PATCHING OF FINISHES TO EXTEND TO NEAREST NATURAL BREAK OR SURFACE TERMINATION FOR A CLEAN, UNBLEMISHED APPEARANCE AT THE END OF CONSTRUCTION.
5. PROVIDE INTERIOR AND/OR EXTERIOR SHORING, BRACING, OR SUPPORT AS REQUIRED TO PREVENT MOVEMENT, SETTLEMENT, OR DAMAGE OF THE STRUCTURE WHERE WORK OCCURS.
6. VERIFY ALL DIMENSIONS INDICATED ON DRAWINGS PRIOR TO CONSTRUCTION; COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.
7. IF THE WORK RENOVATES AN EXISTING BUILDING AND AREAS WITHIN THE BUILDING ARE TO REMAIN OCCUPIED, PROVIDE AND MAINTAIN CONSTRUCTION BARRIER BETWEEN CONSTRUCTION AND OCCUPIED AREA.
8. REFER TO REFLECTED CEILING PLANS FOR CEILING HEIGHTS. ALL CEILING ELEVATIONS ARE ABOVE FINISH FLOOR.
9. ALL DIMENSIONS ON DRAWINGS ARE SHOWN TO FINISHED FACE OF WALL, FLOOR, OR CEILING, UNLESS OTHERWISE NOTED. REFER TO ENLARGED FLOOR PLANS, SECTIONS, AND DETAILS FOR OTHER DIMENSIONS.
10. REFER TO ROOM FINISH SCHEDULE, ELEVATIONS, REFLECTED CEILING PLAN AND FLOOR FINISH PLANS FOR FINISHES.
11. EXTEND ALL WALLS TIGHT TO DECK ABOVE, UNLESS NOTED OTHERWISE.
12. TOP OF SIDEWALK8 (INCLUDING PAVEMENT PEDESTAL SYSTEM) OUTSIDE OF EXIT DOORS TO BE HELD 1/4" BELOW FINISHED FLOOR.
13. REFER TO STRUCTURAL DRAWINGS FOR ALL STEEL SHAPES AND SIZES.
14. SLOPE FLOORS TO FLOOR DRAINS. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
15. MECHANICAL AND ELECTRICAL FIXTURES ARE SHOWN FOR REFERENCE AND COORDINATION ONLY. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR TYPES, LOCATIONS AND QUANTITIES REQUIRED.
16. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR COMPLETE LISTING OF ALL PENETRATIONS, ROOF PENETRATIONS, AND ROOF TOP EQUIPMENT.
17. ALL BLOCKING / SHEATHING TO BE FIRE RETARDANT TREATED (FRT), IN INTERIOR WALLS SUCH AS FOR TOILET ACCESSORIES, HANDRAILS, MILLWORK, CABINETS, AND WINDOW AND DOOR FRAMES; OR AS OTHERWISE INDICATED.
18. ROOF SLOPE TO BE 1/4:12 SLOPE MINIMUM; VERIFY ROOF DECK CONDITION AND COORDINATE ROOF SYSTEM INSTALLATION REQUIREMENTS PRIOR TO COMMENCING ROOFING WORK.
19. ALL ROOF SADDLES/CRICKETS TO BE 1/2:12 SLOPE MINIMUM.
20. PROVIDE ROOF TRAFFIC PADS AT ALL LANDING LOCATIONS ADJACENT TO ACCESS HATCHES, PORTABLE LADDER ACCESS POINTS, STAIRS, SURROUND FULLY AROUND ANY MECHANICAL EQUIPMENT, ADJACENT TO ANY TYPICAL POINTS OF MAINTENANCE (HOSE BIBBS, ELECTRICAL RECEPTACLES, ROOF LADDERS, EQUIPMENT PANELS, ETC).
21. COORDINATE INSTALLATION OF FLASHING TO PROVIDE CONTINUITY, END DAMS, AND TERMINATIONS THAT DIRECT MOISTURE OUT OF THE BUILDING; COORDINATE WITH BUILDING AIR / MOISTURE BARRIER SYSTEMS.
22. REFER TO VENDOR DRAWINGS (IF ANY) FOR ADDITIONAL INFORMATION TO COORDINATE INSTALLATION OF OWNER EQUIPMENT / SYSTEMS.
23. BUILDING FIRST FLOOR ELEVATION SHOWN AT 100'-0".
    ACTUAL BUILDING FIRST FLOOR ELEVATION:
    - LAKE HOUSE (USGS) ELEVATION 665.00'.
    - LAKE HALL (USGS) ELEVATION 668.50'.

STANDARD DETAILS



TYPICAL SEALANT JOINT BETWEEN DISSIMILAR MATERIALS
NOT TO SCALE

NOTE: CLEAN AND PREPARE SURFACE TO RECEIVE SEALANT. TEST JOINT TO ENSURE PROPER BONDING.

TYPICAL DOOR LOCATION
NOT TO SCALE

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS		
10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	IOLKHOVESKA
Designer	IELHENNAWY
Reviewer	WLRAPSON
Manager	CKRETOVIC

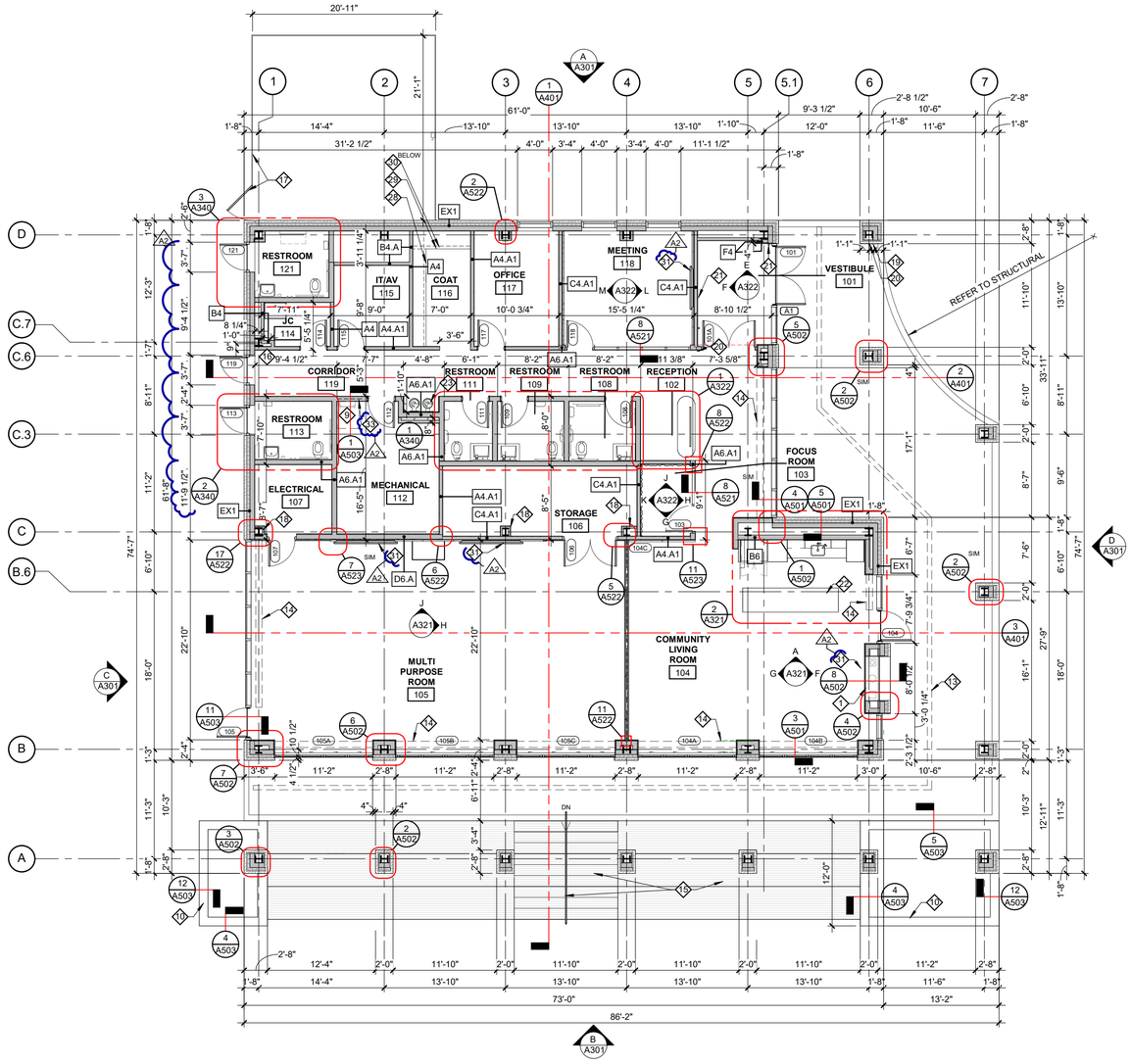
Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

SHEET NO.
A001

©Copyright 2026
All Rights Reserved

PLOT INFO: 10/27/2026 2:55:09 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_A_2500281.rvt



LAKE HOUSE

FLOOR PLAN - AREA A

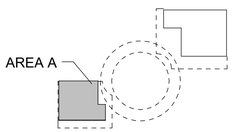
SCALE: 1/8" = 1'-0"

NORTH

KEY NOTES

1. CUSTOM VENTED SEE-THROUGH GAS FIREPLACE, REFER TO ELECT., MECH AND SPECS.; APPROX 5'W X 3'H
2. SERVICE SINK REFER TO PLUMBING.
3. OPEN TO STRUCTURE ABOVE.
4. ROOF ACCESS LADDER AND HATCH DOOR ABOVE.
5. ATTIC ACCESS HATCH WITH FOLD DOWN LADDER WITH FLAT LOWER / INTERIOR COVER
6. KITCHEN SINK. REFER TO FOOD SERVICE AND PLUMBING.
7. SOLID SURFACE BAR COUNTER (HIGH AND LOW) WITH BAR EQUIPMENT. REFER TO FOOD SERVICE DRAWINGS FOR BAR EQUIPMENT INFORMATION AND DETAILS.
8. PROVIDE LEVEL 5 GYPSUM BOARD WALL FINISH ON ENTIRE LENGTH OF WALL.
9. ROOF ACCESS LADDER AND HATCH DOOR ABOVE.
10. ARCHITECTURAL PLANTER BOX REFER CIVIL AND STRUCTURAL FOR DETAILS
11. SKYRING COLUMNS SEE SHEET A173 FOR DIMENSIONS
12. 42-INCH HIGH PAINTED (SAFETY YELLOW) GUARDRAIL, TYPE HDRL-4,WITH 36" WIDE (CLEAR MIN.) SWING GATE.
13. LINEAR DRAINS BELOW PEDESTAL PAVER SYSTEM, REFER TO CIVIL FOR DRAINS
14. IN FLOOR MECHANICAL TRENCH, REFER TO MECHANICAL.
15. TIERED SEATING, STAIRS, AND HANDRAIL; REFER TO CIVIL DRAWINGS FOR DETAIL
16. FULLY-RECESSED FIRE EXTINGUISHER CABINET W/ EXTINGUISHER; PAINT TO MATCH ADJACENT WALL FINISH.
17. MECHANICAL SCREEN WALLS AND GATE. MATERIAL AND CONSTRUCTION TO BE DETERMINED. REFER TO ELEVATIONS FOR HEIGHT
18. 5/8" GYPSUM BOARD ON 2-1/2" METAL STUD FRAMING; PROVIDE TIGHT-FITTING ENCLOSURE AROUND COLUMN.
19. CARD READER: 42" A.F.F. TO CENTERLINE.
20. ACTUATOR BUTTON OPERATOR: 42" A.F.F. TO CENTERLINE.
21. ROUGH-IN FOR FUTURE ACTUATOR BUTTON: 42" A.F.F. TO CENTERLINE.
22. FIRE EXTINGUISHER, BRACKET MOUNTED INSIDE BASE CABINET.
23. WALL MOUNTED DRINKING FOUNTAIN, REFER TO PLUMBING.
24. PROVIDE 12" HIGH WALL BLOCKING ON ENTIRE LENGTH OF WALL (FOR FUTURE ARTWORK), TOP OF BLOCKING TO BE 7'-0" A.F.F.
25. WALL MOUNTED, INTEGRALLY LIT MIRROR, REFER TO ELECT.
26. L-SHAPED ARCHTECTURAL TRIM INTEGRATED INTO WALL AND COVERED IN WALL FINISH MATERIAL, REFER TO GYPSUM BOARD ASSEMBLIES SPEC
27. PROVIDE CUT-OUT IN COUNTER FOR BEER TAP, COORD. SIZE AND LOCATION WITH EQUIPMENT, REFER TO FOOD SERVICE DRAWINGS
28. 18" WIDE PLASTIC LAMINATE SHELF WITH COAT BAR, TOP OF SHELF TO BE 70" A.F.F.
29. 18" WIDE PLASTIC LAMINATE SHELF, TOP OF SHELF TO BE 70" A.F.F.
30. 18" WIDE PLASTIC LAMINATE SHELF WITH COAT BAR, TOP OF SHELF TO BE 44" A.F.F.
31. WALL-MOUNTED MONITOR, REFER TO TECH.
32. DASHED LINE INDICATED COLD FORMED METAL FRAMED WALL FOR SUPPORT OF ATTIC FLOOR SYSTEM ABOVE.
33. DASHED LINE INDICATES COLD-FORMED METAL FRAMED WALL FOR SUPPORT OF LADDER.

KEY PLAN



fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS		
10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	IOLKHOVESKA
Designer	IELHENNAWY
Reviewer	WLRAPSON
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.

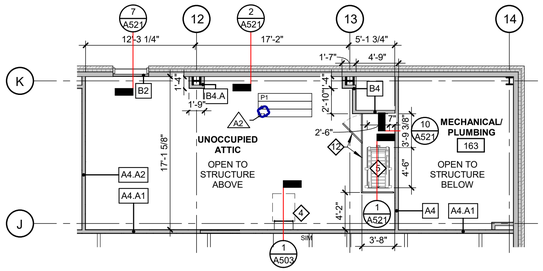
2500281

SHEET NO.

A101

©Copyright 2026
All Rights Reserved

PLOT INFO: 10/28/2026 8:54:46 AM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_A_2500281.rvt

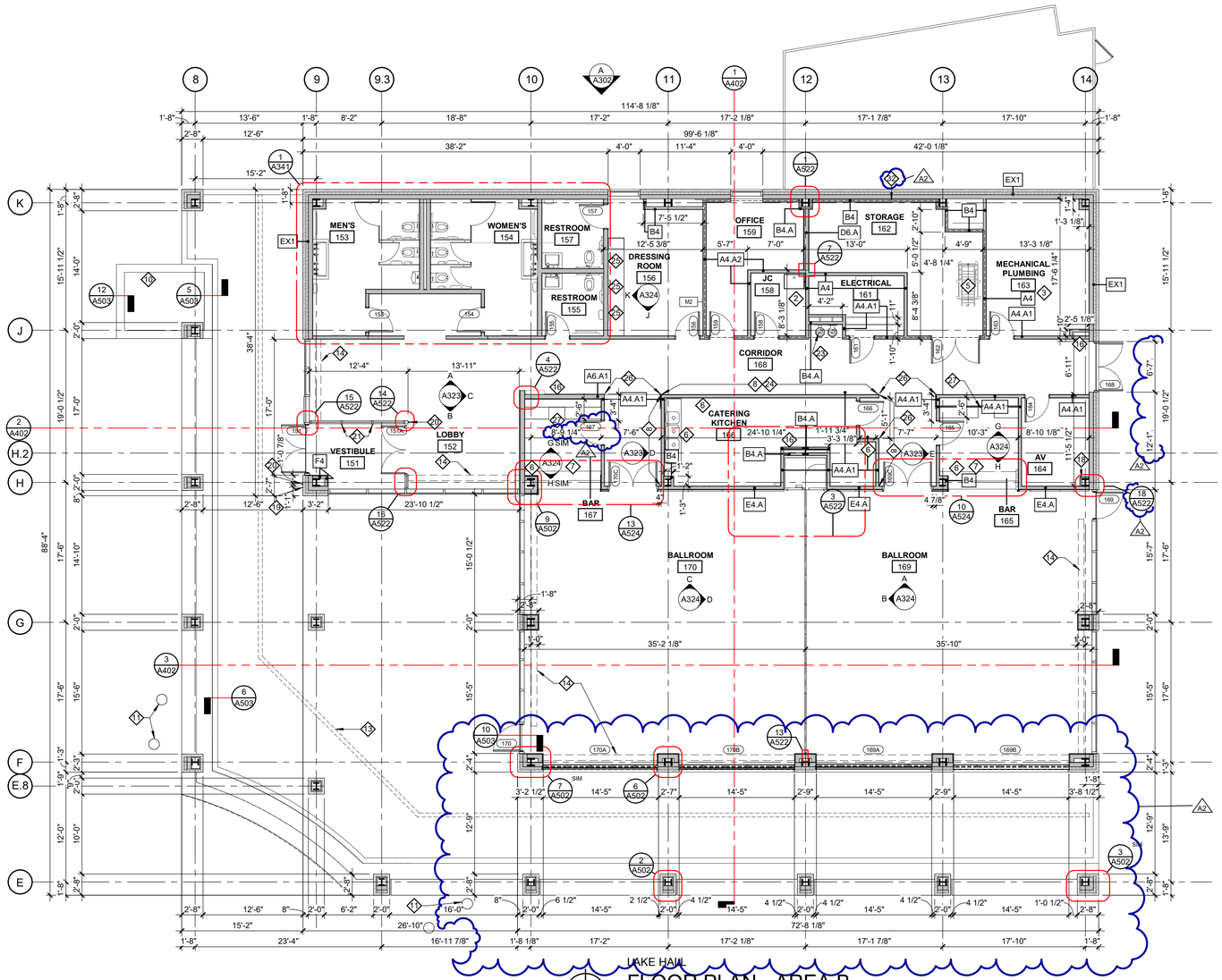


LAKE HALL

ATTIC FLOOR PLAN - AREA B

SCALE: 1/8" = 1'-0"

NORTH



LAKE HALL

FLOOR PLAN - AREA B

SCALE: 1/8" = 1'-0"

NORTH

KEY NOTES

1 CUSTOM VENTED SEE-THROUGH GAS FIREPLACE, REFER TO ELECT., MECH AND SPECS.; APPROX 5'W X 3'H

2 SERVICE SINK REFER TO PLUMBING.

3 OPEN TO STRUCTURE ABOVE.

4 ROOF ACCESS LADDER AND HATCH DOOR ABOVE.

5 ATTIC ACCESS HATCH WITH FOLD DOWN LADDER WITH FLAT LOWER / INTERIOR COVER

6 KITCHEN SINK. REFER TO FOOD SERVICE AND PLUMBING.

7 SOLID SURFACE BAR COUNTER (HIGH AND LOW) WITH BAR EQUIPMENT, REFER TO FOOD SERVICE DRAWINGS FOR BAR EQUIPMENT INFORMATION AND DETAILS.

8 PROVIDE LEVEL 5 GYPSUM BOARD WALL FINISH ON ENTIRE LENGTH OF WALL.

9 ROOF ACCESS LADDER AND HATCH DOOR ABOVE.

10 ARCHITECTURAL PLANTER BOX REFER CIVIL AND STRUCTURAL FOR DETAILS

11 SKYRING COLUMNS SEE SHEET A173 FOR DIMENSIONS

12 42-INCH HIGH PAINTED (SAFETY YELLOW) GUARDRAIL, TYPE HDRL-4,WITH 36" WIDE (CLEAR MIN.) SWING GATE.

13 LINEAR DRAINS BELOW PEDESTAL PAVER SYSTEM, REFER TO CIVIL FOR DRAINS

14 IN FLOOR MECHANICAL TRENCH, REFER TO MECHANICAL.

15 TIERED SEATING, STAIRS, AND HANDRAIL; REFER TO CIVIL DRAWINGS FOR DETAIL

16 FULLY-RECESSED FIRE EXTINGUISHER CABINET W/ EXTINGUISHER; PAINT TO MATCH ADJACENT WALL FINISH.

17 MECHANICAL SCREEN WALLS AND GATE. MATERIAL AND CONSTRUCTION TO BE DETERMINED. REFER TO ELEVATIONS FOR HEIGHT

18 5/8" GYPSUM BOARD ON 2-1/2" METAL STUD FRAMING; PROVIDE TIGHT-FITTING ENCLOSURE AROUND COLUMN.

19 CARD READER; 42" A.F.F. TO CENTERLINE.

20 ACTUATOR BUTTON OPERATOR; 42" A.F.F. TO CENTERLINE.

21 ROUGH-IN FOR FUTURE ACTUATOR BUTTON; 42" A.F.F. TO CENTERLINE.

22 FIRE EXTINGUISHER, BRACKET MOUNTED INSIDE BASE CABINET.

23 WALL MOUNTED DRINKING FOUNTAIN, REFER TO PLUMBING.

24 PROVIDE 12" HIGH WALL BLOCKING ON ENTIRE LENGTH OF WALL (FOR FUTURE ARTWORK), TOP OF BLOCKING TO BE 7'-0" A.F.F.

25 WALL MOUNTED, INTEGRALLY LIT MIRROR, REFER TO ELECT.

26 L-SHAPED ARCHTECTURAL TRIM INTEGRATED INTO WALL AND COVERED IN WALL FINISH MATERIAL, REFER TO GYPSUM BOARD ASSEMBLIES SPEC

27 PROVIDE CUT-OUT IN COUNTER FOR BEER TAP, COORD. SIZE AND LOCATION WITH EQUIPMENT, REFER TO FOOD SERVICE DRAWINGS

28 18" WIDE PLASTIC LAMINATE SHELF WITH COAT BAR, TOP OF SHELF TO BE 70" A.F.F.

29 18" WIDE PLASTIC LAMINATE SHELF, TOP OF SHELF TO BE 70" A.F.F.

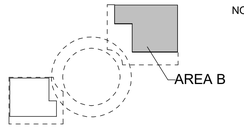
30 18" WIDE PLASTIC LAMINATE SHELF WITH COAT BAR, TOP OF SHELF TO BE 44" A.F.F.

31 WALL-MOUNTED MONITOR, REFER TO TECH.

A2 32 DASHED LINE INDICATED COLD FORMED METAL FRAMED WALL FOR SUPPORT OF ATTIC FLOOR SYSTEM ABOVE.

33 DASHED LINE INDICATES COLD-FORMED METAL FRAMED WALL FOR SUPPORT OF LADDER.

KEY PLAN



fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	IOLKHOVESKA
Designer	IELHENNAWY
Reviewer	WLRAPSON
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.

2500281

SHEET NO.

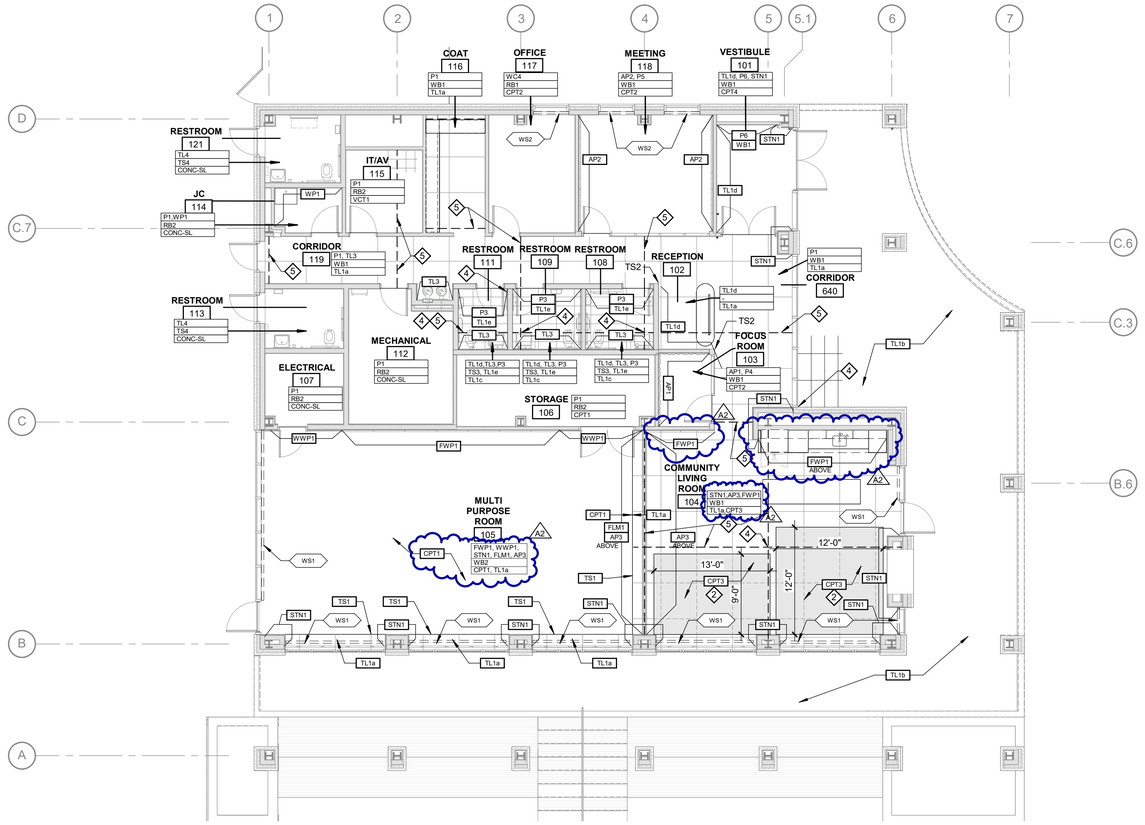
A102

©Copyright 2026
All Rights Reserved

PLOT INFO: 10/27/2026 2:55:19 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_A_2500281.rvt

KEY NOTES

1. INTEGRATED RECESSES WITHIN STONE WITH ACRYLIC PANEL ACCENTS AND LIGHTING
2. TILE CONTINUES BELOW CPT RUG
3. CUSTOM GRAPHIC VINYL PROVIDED AND INSTALLED BY IMAGE360
4. TILE PATTERN START
5. TILE SOFT JOINT, LOCATED OVER CONCRETE SLAB CONTROL JOINT
6. CUT TILES TO ACCOMODATE OVERALL PATTERN AND CONTROL JOINT LOCATION
7. ADDED TILE SOFT JOINT FOR DIRECT SUN LOCATION
8. WALL FINISH TO CONTINUE OVER WALL EMBEDDED L-SHAPED ARCHTECTURAL CORNER TRIM, REFER TO FLOOR PLAN



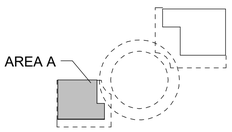
LAKE HOUSE

FINISH PLAN - AREA A

SCALE: 1/8" = 1'-0"

NORTH

KEY PLAN



NORTH

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS		
10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	IOLKHOVESKA
Designer	KBRAUN
Reviewer	WLRAPSON
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.

2500281

SHEET NO.

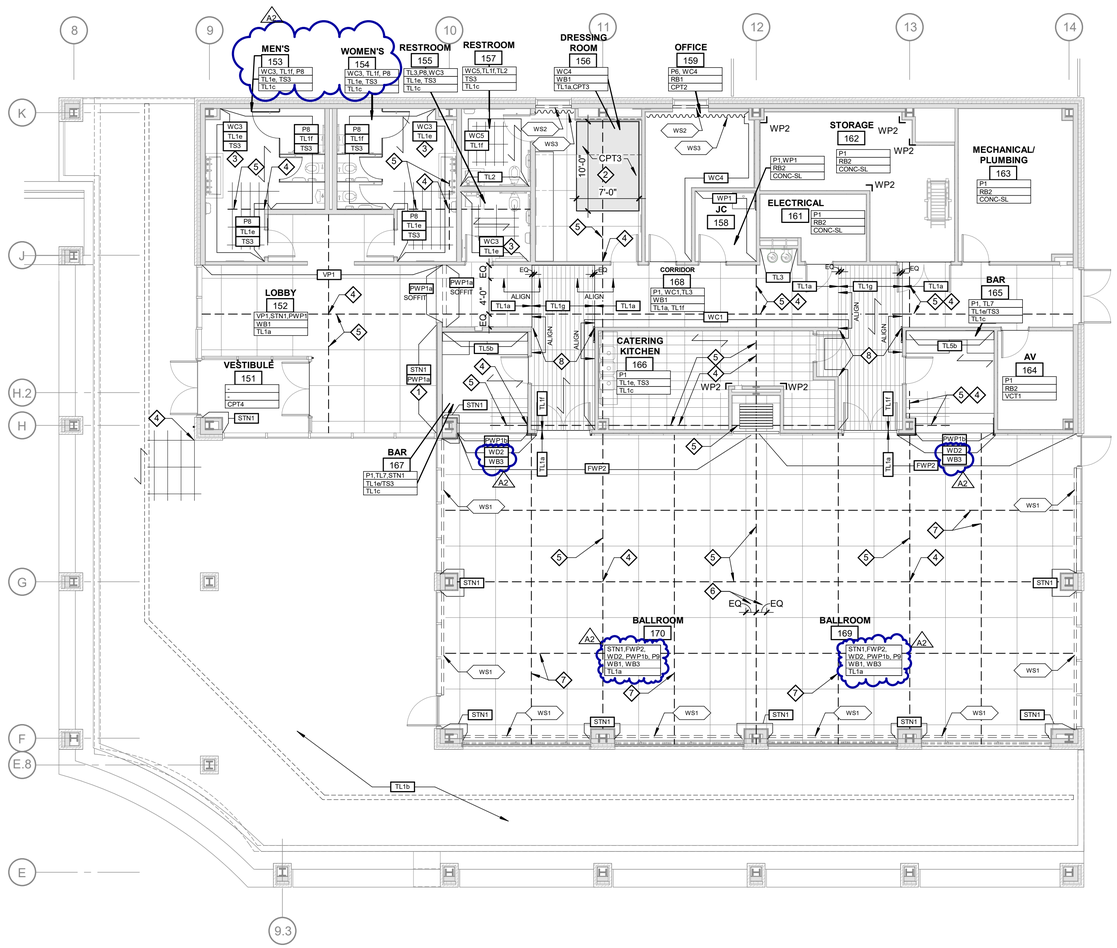
A131

©Copyright 2026
All Rights Reserved

PLOT INFO: 10/27/2026 2:55:25 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_A_2500281.rvt

KEY NOTES

1. INTEGRATED RECESSES WITHIN STONE WITH ACRYLIC PANEL ACCENTS AND LIGHTING
2. TILE CONTINUES BELOW CPT RUG
3. CUSTOM GRAPHIC VINYL PROVIDED AND INSTALLED BY IMAGE360
4. TILE PATTERN START
5. TILE SOFT JOINT, LOCATED OVER CONCRETE SLAB CONTROL JOINT
6. CUT TILES TO ACCOMODATE OVERALL PATTERN AND CONTROL JOINT LOCATION
7. ADDED TILE SOFT JOINT FOR DIRECT SUN LOCATION
8. WALL FINISH TO CONTINUE OVER WALL EMBEDDED L-SHAPED ARCHTECTURAL CORNER TRIM, REFER TO FLOOR PLAN



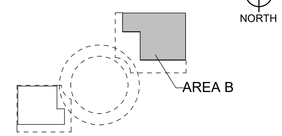
LAKE HALL

FINISH PLAN - AREA B

SCALE: 1/8" = 1'-0"

NORTH

KEY PLAN



fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	IOLKHOVESKA
Designer	KBRAUN
Reviewer	WLRAPSON
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

SHEET NO.
A132

©Copyright 2026
All Rights Reserved

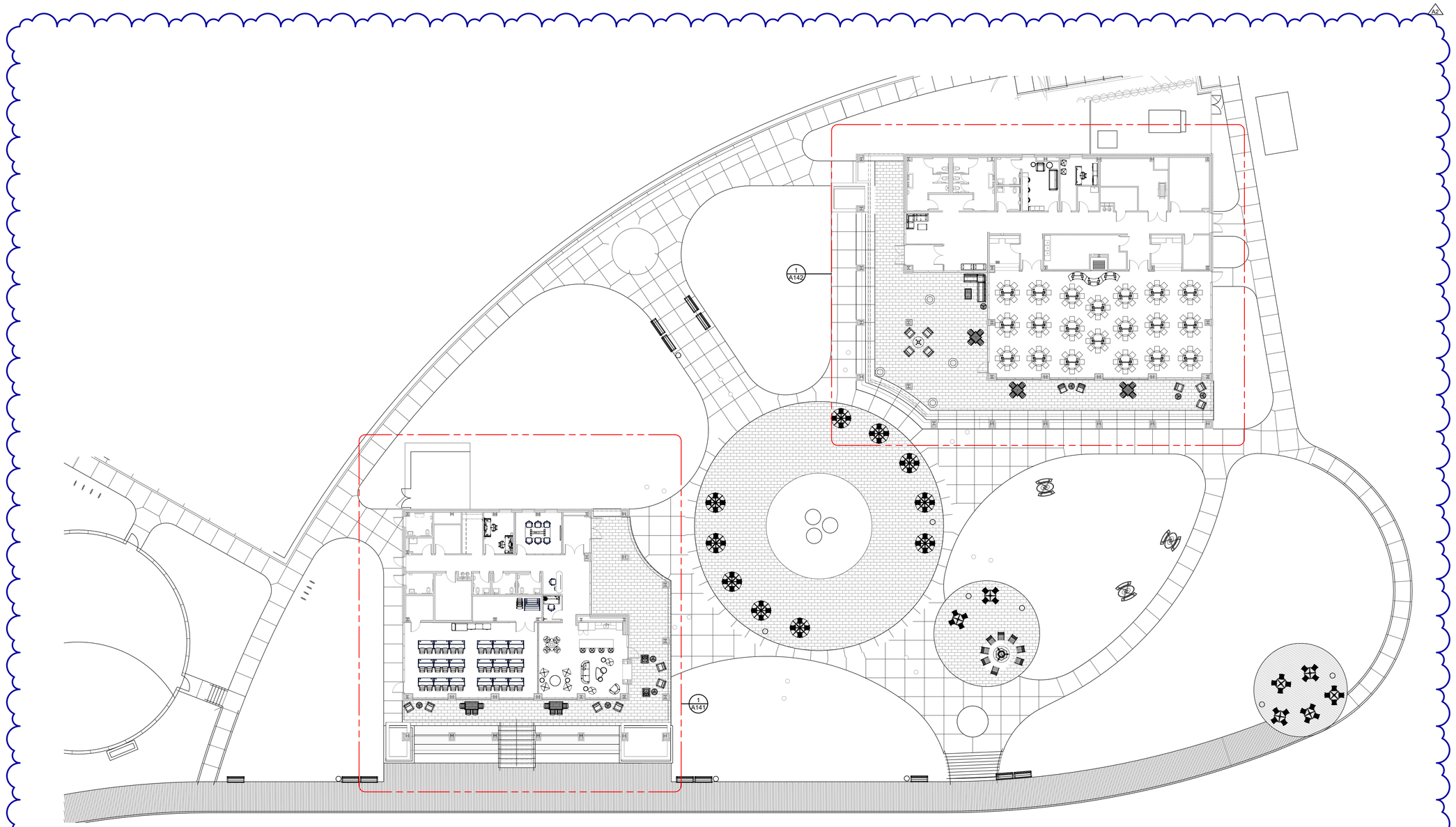
PLOT INFO: 10/27/2026 2:55:31 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_A_2500281.rvt

GENERAL FURNITURE NOTES

1. FURNITURE SHOWN FOR REFERENCE ONLY

2. FINAL FURNITURE SPECIFICATION BY FURNITURE DEALER IN COORDINATION WITH DESIGNER.

3. SITE DEPICTED FOR EXTERIOR FURNITURE PLACEMENT ONLY. REFER TO CIVIL/LANDSCAPE DRAWINGS.



FURNITURE FLOOR PLAN - OVERALL

SCALE: 1/16" = 1'-0"

FOR REFERENCE ONLY

PLOT INFO: 10/27/2026 2:55:36 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_A_2500281.rvt

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	IOLKHOVESKA
Designer	KBRAUN
Reviewer	WLRAPSON
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

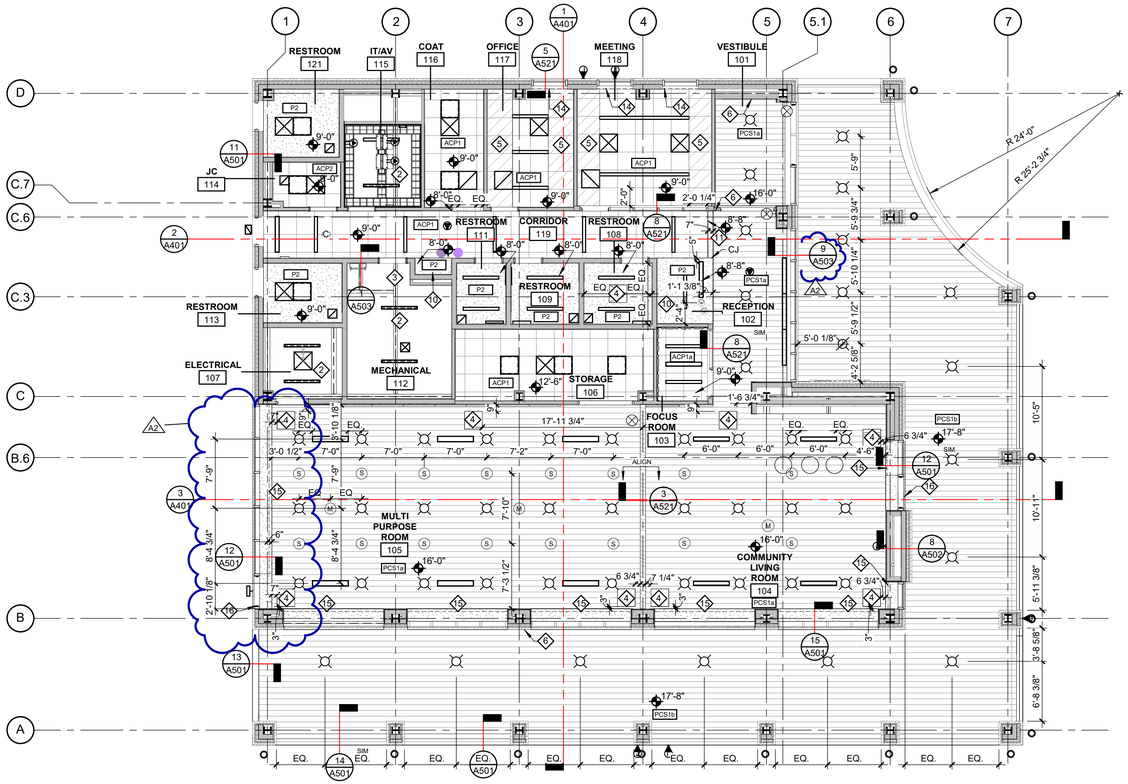
PROJECT NO.

2500281

SHEET NO.

A140

©Copyright 2026
All Rights Reserved



LAKE HOUSE

REFLECTED CEILING PLAN - AREA A

SCALE: 1/8" = 1'-0"

NORTH

GENERAL REFLECTED CEILING PLAN NOTES

1. ALL CEILING ELEVATIONS ARE ABOVE FINISH FLOOR
2. ALL CEILING GRIDS ARE TO BE CENTERED ON ROOM / AREA U.N.O
3. CENTER HVAC DIFFUSERS AND LIGHTING ON METAL CEILING PANELS.
4. WHERE LIGHT FIXTURES ARE TO BE MOUNTED IN LINEAR METAL CEILINGS, DIMENSION PROVIDED IN REFLECTED CEILING PLANS IS TO BE VERIFIED IN FIELD SO FIXTURE IS LOCATED CENTERED WITHIN AN INDIVIDUAL LINEAR METAL SLAT.

KEY NOTES

1 ACOUSTIC ROOM COMPONENTS - MOBILE, LIGHTART ACOUSTIC MOBILE; AIRCRAFT CABLE SUPPORTS WITH FOLDED SQUARE PET SOLA FELT IN COLORS DUNE & DRIFTWOOD

2 OPEN TO STRUCTURE ABOVE.

3 ROOF HATCH DOOR.

4 ACCESS DOOR, 2' X 2' UNLESS OTHERWISE NOTED.

5 DIAGONAL HATCH; CUT OVERSIZED TILES AS REQUIRED TO CENTER CEILING GRID IN ROOM.

6 START METAL PLANK CEILING LAYOUT FROM NORTH WALL; MAINTAIN CONSISTENT PLANK ALIGNMENT THROUGHOUT.

7 DECORATIVE CHANDELIER, REFER TO ELECTRICAL.

8 PROJECTOR, REFER TO TECHNOLOGY.

9 PROJECTION SCREEN, REFER TO TECHNOLOGY.

10 SOFFIT, REFER TO TYPICAL SOFFIT DETAIL 1/A201

11 BULKHEAD, REFER TO TYPICAL BULKHEAD DETAIL 2/A201

12 LINE OF CONT. LIGHT COVE AT SOFFIT 5/A524

13 LINE OF DRAPERY TRACK. TRACK TO EXTEND FULL WIDTH OF WALL. REFER TO SCHEDULES.

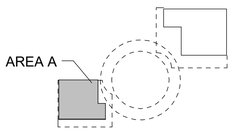
14 LINE OF SOFFIT MOUNTED ROLLER SHADE (DO NOT PUNCTURE OR MOUNT TO WINDOW FRAME), REFER TO SCHEDULES.

15 LINE OF SOFFIT MOUNTED DOUBLE ROLLER SHADE, REFER TO SCHEDULES.

16 EGRESS DOOR, BELOW. STOP ROLLER SHADE IN ALIGNMENT WITH OUTSIDE FACE OF DOOR JAMB AND DO NOT EXTEND ROLLER SHADE OVER DOOR.

17 ATTIC ACCESS HATCH WITH PULL-DOWN LADDER.

KEY PLAN



fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	IOLKHOVESKA
Designer	IELHENNAWY
Reviewer	WLRAPSON
Manager	CKRETOVIC

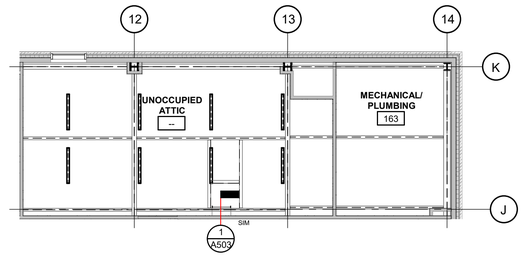
Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

SHEET NO.
A151

©Copyright 2026
All Rights Reserved

PLOT INFO: 10/27/2026 2:55:41 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_A_2500281.rvt

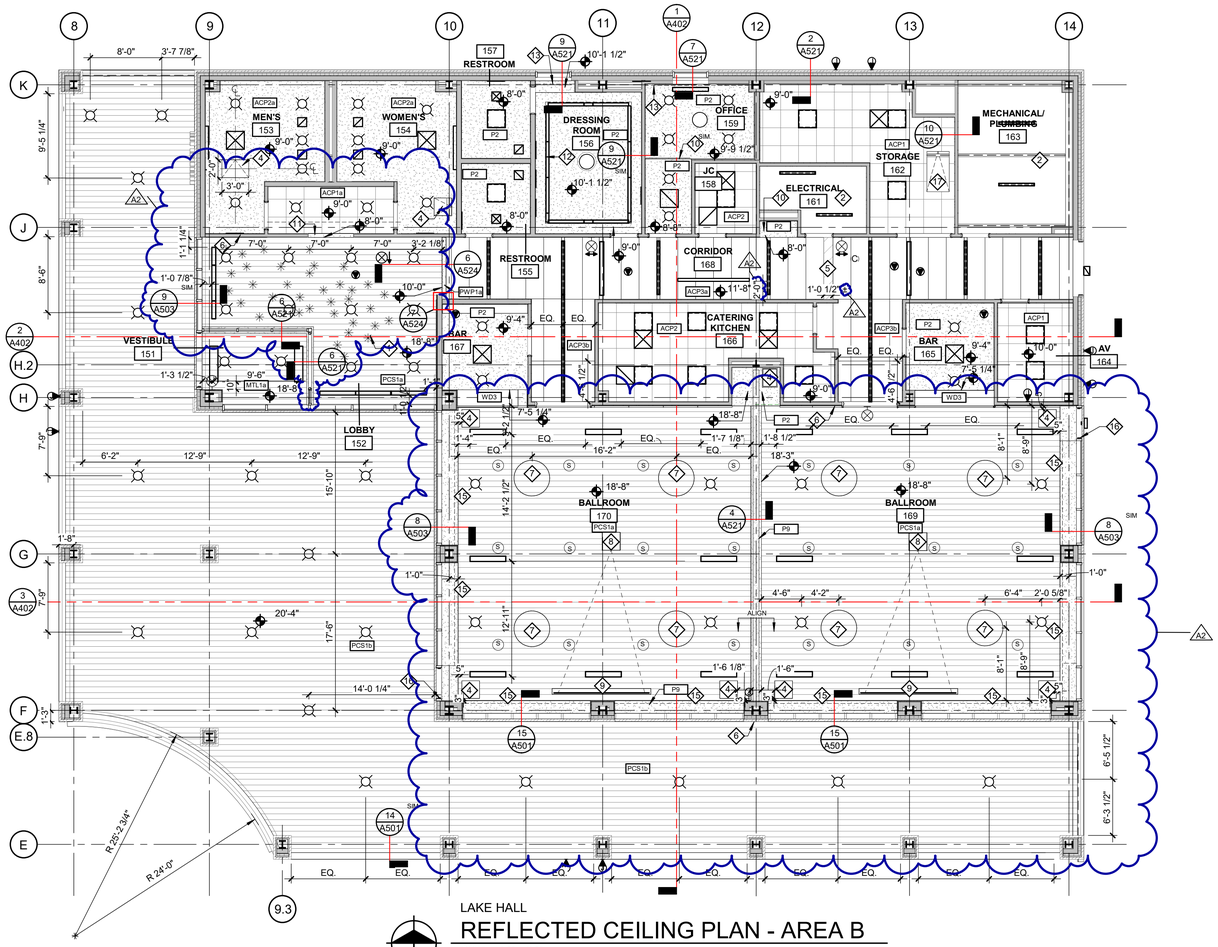


LAKE HALL

ATTIC REFLECTED CEILING PLAN - AREA B

SCALE: 1/8" = 1'-0"

NORTH



LAKE HALL

REFLECTED CEILING PLAN - AREA B

SCALE: 1/8" = 1'-0"

NORTH

GENERAL REFLECTED CEILING PLAN NOTES

1. ALL CEILING ELEVATIONS ARE ABOVE FINISH FLOOR
2. ALL CEILING GRIDS ARE TO BE CENTERED ON ROOM / AREA U.N.O
3. CENTER HVAC DIFFUSERS AND LIGHTING ON METAL CEILING PANELS.
4. WHERE LIGHT FIXTURES ARE TO BE MOUNTED IN LINEAR METAL CEILINGS, DIMENSION PROVIDED IN REFLECTED CEILING PLANS IS TO BE VERIFIED IN FIELD SO FIXTURE IS LOCATED CENTERED WITHIN AN INDIVIDUAL LINEAR METAL SLAT.

KEY NOTES

1 ACOUSTIC ROOM COMPONENTS - MOBILE, LIGHTART ACOUSTIC MOBILE; AIRCRAFT CABLE SUPPORTS WITH FOLDED SQUARE PET SOLA FELT IN COLORS DUNE & DRIFTWOOD

2 OPEN TO STRUCTURE ABOVE.

3 ROOF HATCH DOOR.

4 ACCESS DOOR, 2' X 2' UNLESS OTHERWISE NOTED.

5 DIAGONAL HATCH; CUT OVERSIZED TILES AS REQUIRED TO CENTER CEILING GRID IN ROOM.

6 START METAL PLANK CEILING LAYOUT FROM NORTH WALL; MAINTAIN CONSISTENT PLANK ALIGNMENT THROUGHOUT.

7 DECORATIVE CHANDELIER, REFER TO ELECTRICAL.

8 PROJECTOR, REFER TO TECHNOLOGY.

9 PROJECTION SCREEN, REFER TO TECHNOLOGY.

10 SOFFIT, REFER TO TYPICAL SOFFIT DETAIL 1/A201

11 BULKHEAD, REFER TO TYPICAL BULKHEAD DETAIL 2/A201

12 LINE OF CONT. LIGHT COVE AT SOFFIT 5/A524

13 LINE OF DRAPERY TRACK. TRACK TO EXTEND FULL WIDTH OF WALL, REFER TO SCHEDULES.

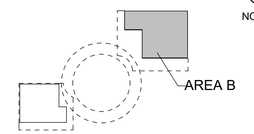
14 LINE OF SOFFIT MOUNTED ROLLER SHADE (DO NOT PUNCTURE OR MOUNT TO WINDOW FRAME), REFER TO SCHEDULES.

15 LINE OF SOFFIT MOUNTED DOUBLE ROLLER SHADE, REFER TO SCHEDULES.

16 EGRESS DOOR, BELOW. STOP ROLLER SHADE IN ALIGNMENT WITH OUTSIDE FACE OF DOOR JAMB AND DO NOT EXTEND ROLLER SHADE OVER DOOR.

17 ATTIC ACCESS HATCH WITH PULL-DOWN LADDER.

KEY PLAN



fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	IOLKHOVESKA
Designer	IELHENNAWY
Reviewer	WLRAPSON
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

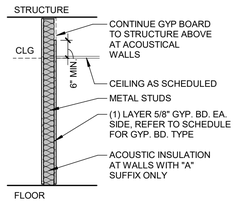
SHEET NO.
A152

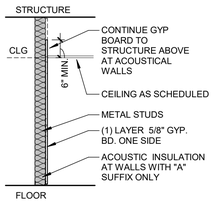
©Copyright 2026
All Rights Reserved

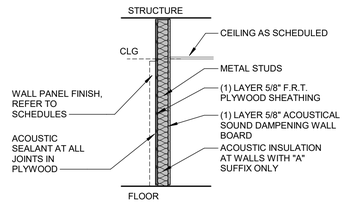
PLOT INFO: 10/27/2026 2:55:43 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_A_2500281.rvt

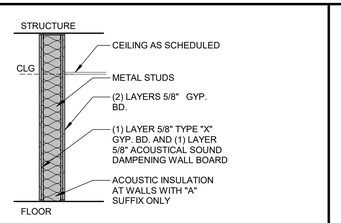
WALL TYPES

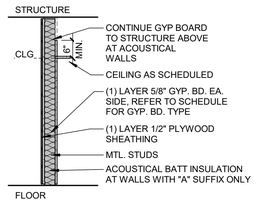
CONSTRUCTION











LEGEND

REFER TO ACOUSTICAL WALL NOTES FOR ALL WALLS WITH "A" SUFFIX

A

TAG	STUD SIZE	TOTAL WIDTH	STC	DESCRIPTION
A4	4"	5 1/4"	--	(1) LAYER 5/8" GYPSUM BOARD, EACH SIDE OF 4" METAL STUDS, 33 MIL (MIN.) AT 16" O.C.
A4.A1	4"	5 1/4"	46	(1) LAYER OF 5/8" GYPSUM BOARD, 4" METAL STUDS, 33 MIL (MIN.) AT 16" O.C., 4" ACOUSTIC INSULATION, (1) LAYER OF 5/8" TYPE "X" GYPSUM BOARD. ACOUSTICAL ASSEMBLY STC PER NATIONAL GYPSUM COMPANY TEST ASSEMBLY NGC2018106.
A4.A2	4"	5 1/4"	50	(1) LAYER OF 5/8" THICK ACOUSTICAL SOUND DAMPENING WALL BOARD, 4" METAL STUDS, 33 MIL (MIN.) AT 16" O.C., 4" THICK ACOUSTIC INSULATION, (1) LAYER OF 5/8" THICK ACOUSTICAL SOUND DAMPENING WALL BOARD. ACOUSTICAL ASSEMBLY STC PER NATIONAL GYPSUM COMPANY TEST ASSEMBLY NGC2018004.
A6	6"	7 1/4"	--	(1) LAYER 5/8" GYPSUM BOARD, EACH SIDE OF 6" METAL STUDS, 33 MIL (MIN.), AT 16" O.C.
A6.A1	6"	7 1/4"	46	(1) LAYER OF 5/8" GYPSUM BOARD, 6" METAL STUDS, 33 MIL (MIN.) AT 16" O.C., 6" ACOUSTIC INSULATION, (1) LAYER OF 5/8" TYPE "X" GYPSUM BOARD. ACOUSTICAL ASSEMBLY STC PER NATIONAL GYPSUM COMPANY TEST ASSEMBLY NGC2018106.
A6.A2	6"	7 1/4"	50	(1) LAYER OF 5/8" THICK ACOUSTICAL SOUND DAMPENING WALL BOARD, 6" METAL STUD, 33 MIL (MIN.) AT 16" O.C., 6" THICK ACOUSTIC INSULATION, (1) LAYER OF 5/8" THICK ACOUSTICAL SOUND DAMPENING WALL BOARD. ACOUSTICAL ASSEMBLY STC PER NATIONAL GYPSUM COMPANY TEST ASSEMBLY NGC2018004.

B

TAG	STUD SIZE	TOTAL WIDTH	STC	DESCRIPTION
B2	2 1/2"	3 1/8"	--	PROVIDE ACOUSTICAL INSULATION WITHIN WALL CAVITY.
B4	4"	4 5/8"	--	(1) LAYER 5/8" GYP. BOARD, 4" METAL STUDS, 33 MIL (MIN.) AT 16" O.C.
B4.A	4"	4 5/8"	--	(1) LAYER 5/8" GYP. BOARD, 4" METAL STUDS, 33 MIL (MIN.) AT 16" O.C., 4" ACOUSTIC INSULATION.
B6	6"	6 5/8"	--	(1) LAYER 5/8" GYP. BOARD, 6" METAL STUDS, 33 MIL (MIN.) AT 16" O.C.
B6.A	6"	6 5/8"	--	(1) LAYER 5/8" GYP. BOARD, 6" METAL STUDS, 33 MIL (MIN.) AT 16" O.C., 5" ACOUSTIC INSULATION.

C

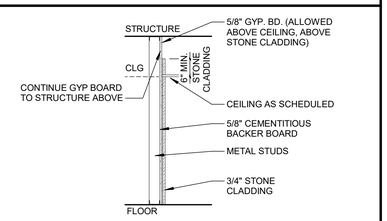
TAG	STUD SIZE	TOTAL WIDTH	STC	DESCRIPTION
C4.A1	4	5 1/4"	46	(1) LAYER OF 5/8" F.R.T. PLYWOOD SHEATHING, 4" METAL STUDS, 33 MIL (MIN.) AT 16" O.C., 4" ACOUSTIC INSULATION, (1) LAYER OF 5/8" THICK ACOUSTICAL SOUND DAMPENING WALL BOARD.

D

TAG	STUD SIZE	TOTAL WIDTH	STC	DESCRIPTION
D6.A	6"	8 1/2"	62	(2) LAYERS OF 5/8" GYPSUM BOARD, 6" METAL STUDS, 33 MIL (MIN.) AT 16" O.C., 6" ACOUSTIC INSULATION, (1) LAYER OF 5/8" TYPE "X" GYPSUM BOARD ON 5/8" ACOUSTICAL SOUND DAMPENING WALL BOARD. ACOUSTICAL ASSEMBLY STC PER NATIONAL GYPSUM COMPANY TEST ASSEMBLY NGC2019062.

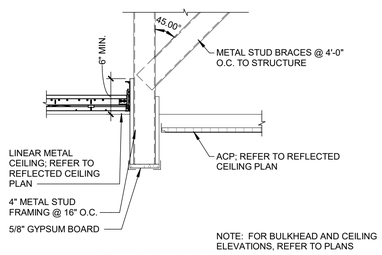
E

TAG	STUD SIZE	TOTAL WIDTH	STC	DESCRIPTION
E4.A	4"	5 3/4"	46	(1) LAYER OF 1/2" PLYWOOD SHEATHING, (1) LAYER OF 5/8" GYPSUM BOARD, 4" METAL STUDS, 33 MIL (MIN.) AT 16" O.C., 4" ACOUSTIC INSULATION, (1) LAYER OF 5/8" TYPE "X" GYPSUM BOARD. ACOUSTICAL ASSEMBLY STC PER NATIONAL GYPSUM COMPANY TEST ASSEMBLY NGC2018106.

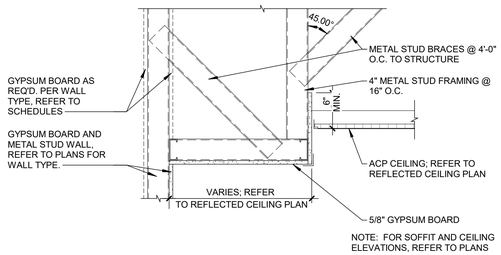


F

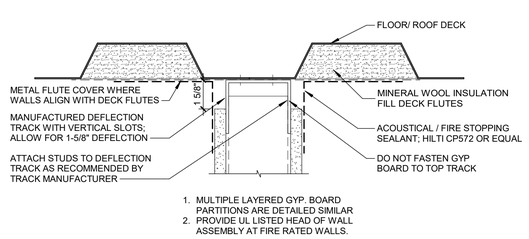
TAG	STUD SIZE	TOTAL WIDTH	STC	DESCRIPTION
F4	4"	5 5/8"	--	4" METAL STUDS, 33 MIL (MIN.) AT 16" O.C., 5/8" CEMENTITIOUS BACKER BOARD (ABOVE CEILING 5/8" GYPSUM BOARD IS ALLOWED), 3/4" STONE CLADDING.
F6	6"	7 5/8"	--	6" METAL STUDS, 33 MIL (MIN.) AT 16" O.C., 5/8" CEMENTITIOUS BACKER BOARD (ABOVE CEILING 5/8" GYPSUM BOARD IS ALLOWED), 3/4" STONE CLADDING.



2 BULKHEAD DETAIL
SCALE: 1" = 1'-0"



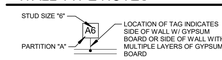
1 SOFIT DETAIL
SCALE: 1" = 1'-0"



1. MULTIPLE LAYERED GYP. BOARD PARTITIONS ARE DETAILED SIMILAR
2. PROVIDE UL LISTED HEAD OF WALL ASSEMBLY AT FIRE RATED WALLS.

TYPICAL TOP OF WALL DETAIL
SCALE: NOT TO SCALE

WALL TYPE NOTES



WALL TYPE LEGEND

1. WALL TAG WITH "A" SUFFIX INDICATES ACOUSTICAL WALL, REFER TO ACOUSTICAL WALL NOTES BELOW.
2. PROVIDE DEFLECTION TRACKS OR CLIPS FOR ALL PARTITIONS ABUTTING STRUCTURE ABOVE.
3. INTERIOR METAL STUD PARTITIONS ARE DIMENSIONED FROM FACE OF GYPSUM BOARD OR TILE BACKER BOARD.
4. WHERE THICKNESS VARIES BETWEEN TWO PARTITIONS IN AN UNINTERRUPTED CONTINUOUS WALL PLANE, OFFSET STUDS AND ALIGN FACE OF PARTITIONS.
5. METAL STUD FRAMING: MIN. 20 GAGE @ 16" O.C., U.N.O.
6. BEHIND WALL TILE PROVIDE 5/8" CEMENT BOARD IN LIEU OF GYP. BOARD. HOLD TOP OF CEMENT BOARD 1/2" BELOW TOP OF TILE.
7. EXTEND ALL WALLS TIGHT TO DECK ABOVE UNLESS NOTED OR DETAILED OTHERWISE.
8. OFF-SET ALL RECESSED DEVICES BY MINIMUM OF ONE STUD CAVITY. DO NOT INSTALL BACK TO BACK OR WITHIN SAME STUD CAVITY.
9. PROVIDE BLOCKING IN WALL REQ'D TO SUPPORT BUILT-IN ITEMS, FIXTURES, MILLWORK, AND OTHER WALL SUPPORTED ITEMS.
10. PROVIDE IMPACT RESISTANT GYPSUM BOARD FROM FLOOR TO 8'-0" A.F.F. IN LIEU OF REGULAR GYPSUM BOARD OR TYPE X GYPSUM BOARD ON WALLS WITHIN CORRIDORS.
11. WHERE ACOUSTICAL SOUND DAMPENING WALL BOARD IS SCHEDULED ON WALLS THAT ARE SHARED BETWEEN A CORRIDOR AND INTERIOR ROOM, THE ACOUSTICAL SOUND DAMPENING WALL BOARD IS TO BE INSTALLED ON THE INTERIOR ROOM SIDE OF THE WALL.
12. AT WALL TYPES WITH NATIONAL GYPSUM COMPANY TEST ASSEMBLY: STUD DEPTH AND MIL THICKNESS (MIN.) AS LISTED IN WALL TYPE SCHEDULE IS REQUIRED IN LIEU OF TESTED ASSEMBLY STUD DEPTH AND MIL THICKNESS.
13. AT WALLS WITH TILE OR STONE CLADDING FINISH ON ONE SIDE WITH OTHER SIDE OF STUD BEING UNFINISHED (NON-COMPOSITE WALL; WALL TYPES B AND F), PROVIDE FULL BRACING OR BRACING 48" O.C. AS REQUIRED TO MEET ALLOWABLE SPAN AND DEFLECTION AS SPECIFIED.

A2 14. WHERE WALLS ARE INDICATED ON A102 TO BE COLD FORMED METAL FRAMED WALLS FOR SUPPORT OF ATTIC FLOOR SYSTEM, METAL FRAMING TO BE 12 GAUGE MIN.

ACOUSTICAL WALL NOTES (WALLS INDICATED WITH "A" SUFFIX)

1. INSULATION IN STUD CAVITY TO COMPLETELY FILL THE CAVITY WITHOUT OVER COMPRESSION.
2. NON-RATED PARTITIONS TO HAVE ACOUSTICAL SEALANT AT THE HEAD, SILL, THROUGH PENETRATIONS, OPENINGS AND JOINTS BETWEEN DISSIMILAR MATERIALS.

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	IOLKHOVESKA
Designer	LFINNEY
Reviewer	WLRAPSON
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.

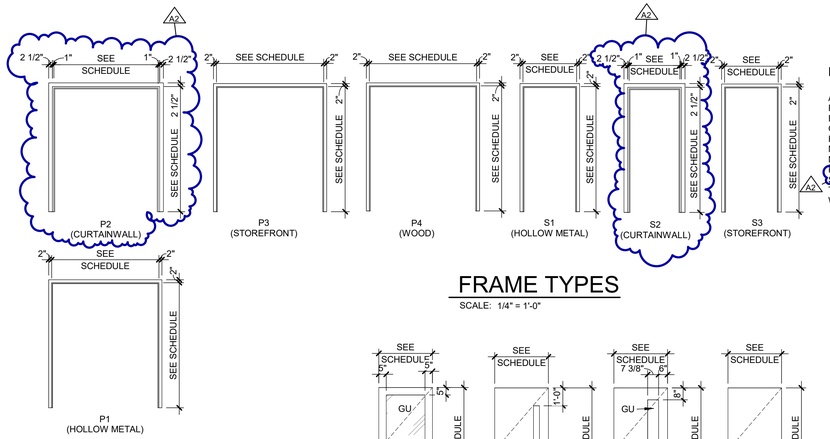
2500281

SHEET NO.

A201

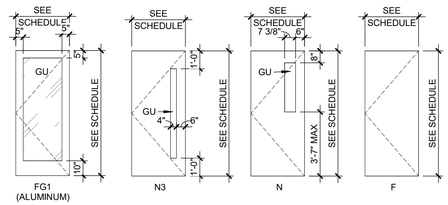
©Copyright 2026
All Rights Reserved

PLOT INFO: 10/27/2026 2:55:44 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_A_2500281.rvt



FRAME TYPES

SCALE: 1/4" = 1'-0"



DOOR TYPES

SCALE: 1/4" = 1'-0"

DESIGNATION DESCRIPTIONS

AL	ALUMINUM (REFER TO SPECIFICATIONS FOR FINISH)
F	FLUSH
FG	FULL GLASS
GU	GLAZING UNIT (REFER TO SCHEDULE FOR GLASS TYPE)
HM	HOLLOW METAL
N	NARROW LIGHT
N3	NARROW LIGHT
P	PAIR
S	SINGLE
TEMP	TEMPERED GLASS
WD	WOOD

DOOR SCHEDULE

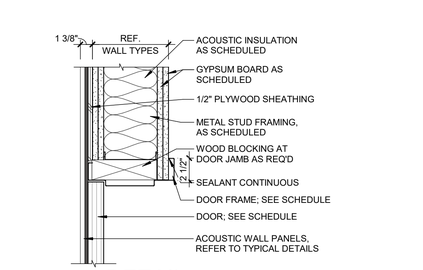
NO.	LOCATION	DOOR PANEL QTY	DOOR PANEL WIDTH	DOOR PANEL HEIGHT	DOOR TYPE	DOOR MATERIAL	DOOR PANEL FINISH	DOOR GLASS	FRAME TYPE	FRAME MATERIAL	FRAME EXT FINISH	FRAME INT FINISH	FRAME HEAD	FRAME JAMB	LABEL	HDW	NOTE
LAKE HALL																	
151	VESTIBULE	2	3'-0" / 3'-0"	9'-11"	FG1 / FG1	AL	--	TEMP	P2	AL	--	--	H4 SIM.	5/A522 & J4	--		5, 7, 11
151A	LOBBY	2	3'-0" / 3'-0"	9'-11"	FG1 / FG1	AL	--	TEMP	P3	AL	--	--	H4 SIM.	14 & 16/A522	--		7,11
153	MEN'S	1	3'-0"	7'-10"	F	WD	WD1	--	S1	HM	P1	P8	H1	J1	--		
154	WOMEN'S	1	3'-0"	7'-10"	F	WD	WD1	--	S1	HM	P1	P8	H1	J1	--		
155	RESTROOM	1	3'-0"	7'-10"	F	WD	WD1	--	S1	HM	P1	P8	H1	J1	--		
156	DRESSING ROOM	1	3'-0"	7'-10"	F	WD	WD1	--	S1	HM	P1	P6	H1	J1	--		5
157	RESTROOM	1	3'-0"	7'-10"	F	WD	WD1	--	S1	HM	P6	P1	H1	J1	--		
158	JC	1	3'-0"	7'-10"	F	WD	WD1	--	S1	HM	P1	P1	H5	J5	--		5
159	OFFICE	1	3'-0"	7'-10"	F	WD	WD1	--	S1	HM	P1	P6	H5	J5	--		5
161	ELECTRICAL	1	3'-0"	7'-10"	F	WD	WD1	--	S1	HM	P1	P1	H5	J5	--		5
162	STORAGE	2	3'-0" / 3'-0"	7'-10"	F / F	WD	WD1	--	S1	HM	P1	P1	H5	J5	--		5, 8
163	MECHANICAL/ PLUMBING	1	3'-0"	7'-10"	F	WD	WD1	--	S1	HM	P1	P1	H1	J1	--		5
164	AV	1	3'-0"	7'-10"	F	WD	WD1	--	S1	HM	P1	P1	H1	J1	--		5
165	BAR	1	3'-0"	7'-10"	N	WD	WD1	TEMP	S1	HM	P1	P1	H1	J1	--		5
166	CATERING KITCHEN	1	3'-0"	7'-10"	N	WD	WD1	TEMP	S1	HM	P1	P1	H1	J1	--		5
167	BAR	1	3'-0"	7'-10"	N	WD	WD1	TEMP	S1	HM	P1	P1	H1	J1	--		5
168	CORRIDOR	2	3'-0" / 3'-0"	7'-8 1/2"	FG1 / FG1	AL	--	TEMP	P2	AL	--	--	H3	J4	--		3, 5, 6, 9
169	BALLROOM	1	3'-4"	9'-11"	FG1	AL	--	TEMP	S2	AL	--	--	H4	J4	--		5, 7
169C	BALLROOM	2	3'-0" / 3'-0"	9'-0"	N3 / N3	WD	WD2	TEMP	P4	WD	WD2	WD2	H2	10/A524	--		5, 8
170	BALLROOM	1	3'-4"	9'-11"	FG1	AL	--	TEMP	S2	AL	--	--	H4	J4	--		5, 7
170C	BALLROOM	2	3'-0" / 3'-0"	9'-0"	N3 / N3	WD	WD2	TEMP	P4	WD	WD2	WD2	H2	10/A524	--		5, 8
LAKE HOUSE																	
101	VESTIBULE	2	3'-4" / 3'-4"	9'-11"	FG1 / FG1	AL	--	TEMP	P2	AL	--	--	H4 SIM.	J4	--		5, 7,11
101A	VESTIBULE	2	3'-0" / 3'-0"	9'-11"	FG1 / FG1	AL	--	TEMP	P3	AL	--	--	6/A521 SIM.	4/A502 & 10/A523 SIM.	--		7,8
103	FOCUS ROOM	1	3'-0"	7'-10"	F	WD	WD1	--	S3	AL	--	--	6/A521 SIM.	8/A521	--		7
104	COMMUNITY LIVING ROOM	1	3'-5"	9'-11"	FG1	AL	--	TEMP	S2	AL	--	--	H4	J4	--		5, 7
105	MULTI PURPOSE ROOM	1	3'-4"	9'-11"	FG1	AL	--	TEMP	S2	AL	--	--	H4	6/A502	--		5, 7
106	STORAGE	2	3'-0" / 3'-0"	7'-0"	F / F	WD	PL3	--	P1	HM	P7	P1	H6	5/A522	--		4, 5, 8
107	ELECTRICAL	1	3'-0"	7'-0"	F	WD	PL3	--	S1	HM	P7	P1	H6	J6	--		4, 5
108	RESTROOM	1	3'-0"	7'-10"	F	WD	WD1	--	S1	HM	P1	P3	H1	J1	--		
109	RESTROOM	1	3'-0"	7'-10"	F	WD	WD1	--	S1	HM	P1	P3	H1	J1	--		
111	RESTROOM	1	3'-0"	7'-10"	F	WD	WD1	--	S1	HM	P1	P3	H1	J1	--		
112	MECHANICAL	1	3'-0"	7'-10"	F	WD	WD1	--	S1	HM	P1	P1	H1	J1	--		5
113	RESTROOM	1	3'-0"	7'-8 1/2"	FG1	AL	--	TEMP	S2	AL	--	--	H3	J4	--		3, 5, 6
114	JC	1	3'-0"	7'-10"	F	WD	WD1	--	S1	HM	P1	P1	H1	J1	--		5
115	IT/AV	1	3'-0"	7'-10"	F	WD	WD1	--	S1	HM	P1	P1	H1	J1	--		5
117	OFFICE	1	3'-0"	7'-10"	F	WD	WD1	--	S1	HM	P1	P6	H1	J1	--		5
118	MEETING	1	3'-0"	7'-10"	F	WD	WD1	--	S3	AL	--	--	6/A521 SIM.	8/A521 SIM.	--		5, 7
119	CORRIDOR	1	3'-0"	7'-8 1/2"	FG1	AL	--	TEMP	S2	AL	--	--	H3	J4	--		3, 5, 6
121	RESTROOM	1	3'-0"	7'-8 1/2"	FG1	AL	--	TEMP	S2	AL	--	--	H3	J4	--		3, 5, 6

GENERAL DOOR SCHEDULE NOTES:

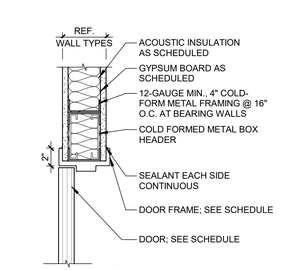
1. DOORS 104A, 104B, 105A, 105B,105C, 169A, 169B, 170A,170B ARE PART OF EXTERIOR MOVABLE PARTITION SYSTEM. REFER TO WINDOW SCHEDULE SHEET.
2. DOOR 104C IS A PART OF INTERIOR MOVABLE PARTITION SYSTEM. REFER TO INTERIOR ELEVATIONS SHEET.

DOOR SCHEDULE NOTES:

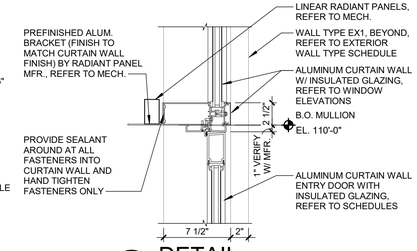
11. NOT USED.
2. NOT USED.
3. FROSTED GLASS.
4. CONCEALED / INVISIBLE HINGE DOOR WITH ACOUSTIC WOOD PANEL FINSH (WWP1) ON ROOM 105 SIDE.
5. DOOR TO RECEIVE CARD READER, REFER TO TELECOMMUNICATION DRAWINGS, ELECTRICAL DRAWINGS, AND HARDWARE SETS.
6. TOP OF DOOR FRAME TO BE 8'-0" TO ALIGN MASONRY COURSING. VERIFY FINAL DOOR HEIGHT WITH ENTRANCE DOOR MANUFACTURER.
7. DOOR IS TO BE SIZED TO FIT WITHIN MULLION DESIGN LOCATIONS. VERIFY FINAL DOOR SIZES WITH MULLION LOCATIONS AND ENTRANCE DOOR MFR.
8. WEST LEAF IS ACTIVE LEAF.
9. SOUTH LEAF IS ACTIVE LEAF.
10. NOT USED.
11. NORTH LEAF IS ACTIVE LEAF.
12. NOT USED.



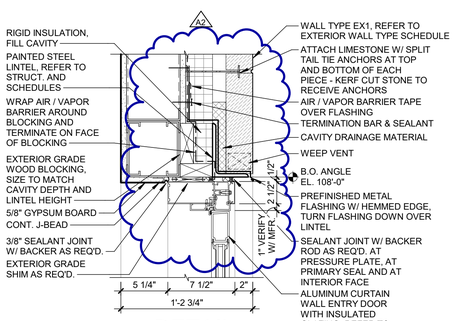
H6 DETAIL
SCALE: 1 1/2" = 1'-0"



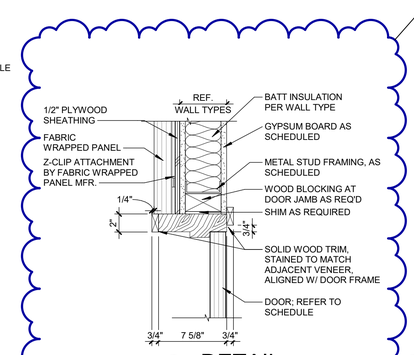
H5 DETAIL
SCALE: 1 1/2" = 1'-0"



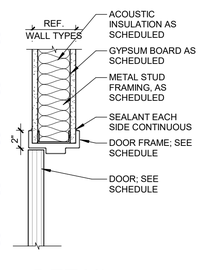
H4 DETAIL
SCALE: 1 1/2" = 1'-0"



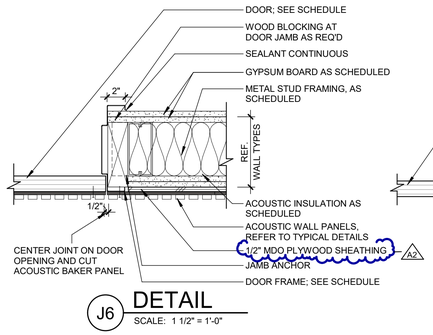
H3 DETAIL
SCALE: 1 1/2" = 1'-0"



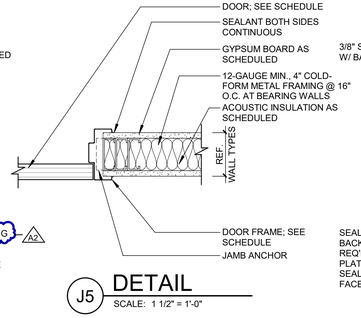
H2 DETAIL
SCALE: 1 1/2" = 1'-0"



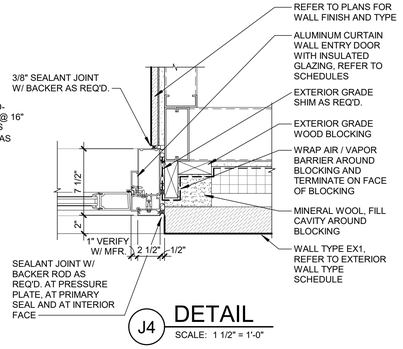
H1 DETAIL
SCALE: 1 1/2" = 1'-0"



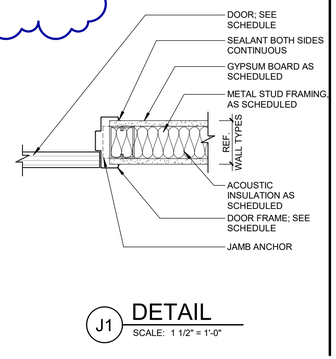
J6 DETAIL
SCALE: 1 1/2" = 1'-0"



J5 DETAIL
SCALE: 1 1/2" = 1'-0"



J4 DETAIL
SCALE: 1 1/2" = 1'-0"



J1 DETAIL
SCALE: 1 1/2" = 1'-0"

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS		
10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	IOLKHOVESKA
Designer	LFINNEY
Reviewer	WLRAPSON
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.

2500281

SHEET NO.

A202

©Copyright 2026
All Rights Reserved

PLOT INFO: 10/27/2026 2:55:48 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_A_2500281.rvt

FINISH LEGEND

ACP1 — ACOUSTIC PANEL CEILING
MFR: ARMSTRONG
PRODUCT: CALLA 2824
COLOR: WHITE
SIZE: 24" X 24" X 1" THICK
EDGE: SQUARE TEGULAR
GRID: 15/16" PRELUDE XL
ACOUSTICS: 0.85 NRC / 35 CAC
ECOLABLE: DECLARE
CONTACT: SARA KUCHTA, 586 940 5121 sdkuchta@armstrong.com

ACP2 — ACOUSTIC PANEL CEILING
MFR: ARMSTRONG
PRODUCT: SCHOOL ZONE FINE FISSURE 1810
COLOR: WHITE
SIZE: 24" X 24" X 3/4" THICK
EDGE: SQUARE LAY-IN
GRID: 15/16" PRELUDE XL
ACOUSTICS: 0.70 NRC / 40 CAC
ECOLABLE: DECLARE
CONTACT: SARA KUCHTA, 586 940 5121 sdkuchta@armstrong.com

ACP3a — ACOUSTIC PANEL CEILING (HALL CORRIDOR)
MFR: ARMSTRONG
PRODUCT: TECHZONE, 4"
PANELS: LYRA PB VECTOR 8497PB
COLOR: WHITE
SIZE: 24" X 96" X 7/8" THICK
EDGE: 15/16" VECTOR W/ 1/4" REVEAL
GRID: 15/16" PRELUDE XL
ACOUSTICS: 0.90 NRC
ECOLABLE: DECLARE
CONTACT: SARA KUCHTA, 586 940 5121 sdkuchta@armstrong.com

ACP3b — ACOUSTIC PANEL CEILING (HALL CORRIDOR)
MFR: ARMSTRONG
PRODUCT: TECHZONE, 4"
PANELS: LYRA PB VECTOR 8496PB
COLOR: WHITE
SIZE: 24" X 72" X 7/8" THICK
EDGE: 15/16" VECTOR W/ 1/4" REVEAL
GRID: 15/16" PRELUDE XL
ACOUSTICS: 0.90 NRC
ECOLABLE: DECLARE
CONTACT: SARA KUCHTA, 586 940 5121 sdkuchta@armstrong.com

AP1 — ACOUSTIC PANEL (FOCUS ROOM)
TYPE: THERMOBONDED RELIEF PANEL
MFR: SLALOM
PRODUCT: ECOrange
PROFILE: WAVE
SIZE: 51.2Wx 110.2Hx1.77" THICK
BACKING: 40MM
FABRIC: BOUCLE, 503B CHAMPAGNE
ACOUSTICS: 0.90 NRC
ECOLABLE: DECLARE
CONTACT: SUSAN HALL, 248.241.6000 SUSAN@ECOSURROUNDINGS.ECO

AP2 — ACOUSTIC PANEL (MEETING ROOM)
TYPE: THERMOBONDED RELIEVE PANEL
MFR: SLALOM
PRODUCT: ECOrange
PROFILE: MILLERIGHE
SIZE: 52.2Wx 110.2Hx0.43" THICK
BACKING: 40MM
FABRIC: VELVET, 666 DARK BLUE
ACOUSTICS: 0.90 NRC
ECOLABLE: DECLARE
CONTACT: SUSAN HALL, 248.241.6000 SUSAN@ECOSURROUNDINGS.ECO

AP3 — WALLCOVERING (DIGITAL MURAL ON ACOUSTIC PANEL)
MATERIAL: PET PANEL
MFR: MOMENTUM
TYPE: CUBE PANEL W/ DIGITAL PRINT GRAPHIC
MATERIAL: 100% POLYESTER
THICKNESS: 1"
SIZE: 48" X 111"
PATTERN: WHISPERS IN MOTION DIGITAL PRINT
COLOR: PAVILION
CONTACT: BRANDI WEISS, 313.720.2871 BWEISS@MOMTEX.COM

CPT1 — CARPET TILE
MFR: SHAW
PRODUCT: SPOKEN TILE 5T406
COLOR: SCRIPT 05210
SIZE: 9 X 16"
INSTALLATION: ASHLAR
BACKING: ECOWORX TILE
FIBER/DYE: 100% SOLUTION DYED NYLON
ECOLABLE: CRADLE TO CRADLE SILVER DECLARE RED LIST FREE
CONTACT: ASHLEY HAZEL 616.980.7391 ASHLEY.HAZEL@SHAWCONTRACT.COM

CPT2 — CARPET TILE
MFR: INTERFACE
PRODUCT: DIGITIZED TUFT 139380AK00
COLOR: NEUTRAL 105981
SIZE: 25CM X 1M
INSTALLATION: ASHLAR
BACKING: GLASBAC TILE
FIBER/DYE: 100% SOLUTION DYED NYLON
CONTENT: SHELBE OGBURN, 616.370.6087 SHELBE.OGBURN@INTERFACE.COM

CPT3 — CARPET RUG
MFR: SHAW
PRODUCT: FAULT 5A221
COLOR: ALABASTER GOLD 20111
SIZE: 13'X9', 12'X12', 7'X10' SEE PLANS FOR LOCATIONS, GOODS: 12'
INSTALLATION: BROADLOOM, BOUND EDGES
BACKING: ULTRALOC
FIBER/DYE: 100% SOLUTION DYED NYLON
ECOLABLE: CRADLE TO CRADLE SILVER
NOTE: BIND EDGES FOR RUG APPLICATION
CONTACT: ASHLEY HAZEL 616.980.7391 ASHLEY.HAZEL@SHAWCONTRACT.COM

CPT4 — WALK-OFF CARPET
MFR: SHAW
PRODUCT: 60745 WELCOME II
COLOR: 31761 PORTABELLA
SIZE: 12'
BACKING: ULTRALOC
ECOLABLE: CRI GREEN LABEL PLUS
CONTACT: ASHLEY HAZEL 616.980.7391 ASHLEY.HAZEL@SHAWCONTRACT.COM

CONC-SL — CONCETE - SEALED
REFER TO SPEC

FB1 — FABRIC (MOVABLE PARTITION)
MFR: CARNGIE
CONTENT: 100% XOREL
PATTERN: TANGLE 6213W
COLOR: 8
WIDTH: 56"
WEIGHT: 10.1OZ
ECOLABLE: BIOBASED CONTENT, PVC-FREE, LIVING PRODUCT

FLM1 — GLASS FILM
MFR: SOLYX
PRODUCT: XS1309 FINE CRYSTAL FROST
NOTE: PROVIDE FULL HEIGHT MOCK-UP FOR OWNER REVIEW

FWP1 — FABRIC WRAPPED WALL PANELS
MFR: KINETICS
PRODUCT: HARDSIDE W/ ECONETIC CORE
SIZE: 2"D
FABRIC: KNOLL TEXTILES
PATTERN: CIRCUIT 901907
COLOR: CURRENT 003
ECOLABLE: DECLARE RED LIST FREE

FWP2 — FABRIC WRAPPED WALL PANELS
MFR: KINETICS
PRODUCT: HARDSIDE W/ ECONETIC CORE
SIZE: 2" D
FABRIC: CARNGIE
PATTERN: DOVER 6123
COLOR: 12
ECOLABLE: BIOBASED CONTENT, PVC-FREE, LIVING PRODUCT

PCS1a — LINEAR METAL PLANK CEILING SYSTEM (INTERIOR)
MFR: ARMSTRONG CEILINGS
PRODUCT: METALWORKS LINEAR CLASSIC
SIZE: 96 X 8 X 5/8" THICK
COLOR: EFFECTS CHERRY FXCH
PERF: PERFORATED
NOTE: ACOUSTIC FIBERGLASS INFILL BACKING
ACOUSTICS: .85 NRC
CONTACT: SARA KUCHTA, 586 940 5121 sdkuchta@armstrong.com

PCS1b — LINEAR METAL PLANK CEILING SYSTEM (EXTERIOR)
MFR: ARMSTRONG CEILINGS
PRODUCT: METALWORKS LINEAR CLASSIC
SIZE: 96"W X 8" X 5/8" THICK
COLOR: EFFECTS CHERRY FXCH2
PERF: UNPERFORATED
CONTACT: SARA KUCHTA, 586 940 5121 sdkuchta@armstrong.com

P1 — PAINT (TYPICAL WALL)
MFR: BENJAMIN MOORE
COLOR: OC-131 WHITE DOWN

P2 — PAINT (TYPICAL CEILING)
MFR: SHERWIN WILLIAMS
COLOR: SW7005 PURE WHITE

P3 — PAINT
MFR: SHERWIN WILLIAMS
COLOR: SW6204 SEA SALT

P4 — PAINT
MFR: SHERWIN WILLIAMS
COLOR: SW0069 ROSE TAN

P5 — PAINT
MFR: SHERWIN WILLIAMS
COLOR: SW9179 ANCHORS AWEIGH

P6 — PAINT
MFR: SHERWIN WILLIAMS
COLOR: SW7044 AMAZING GRAY

P7 — PAINT
MFR: SHERWIN WILLIAMS
COLOR: SW6258 TRICORN BLACK

P8 — PAINT
MFR: SHERWIN WILLIAMS
COLOR: SW6429 BAIZE GREEN

P9 — PAINT
MFR: SHERWIN WILLIAMS
COLOR: SW0045 ANTIQUARIAN BROWN

P10 — PAINT (@ BASE OF AP1)
MFR: SHERWIN WILLIAMS
COLOR: SW6106 KILIM BEIGE

P11 — PAINT
MFR: SHERWIN WILLIAMS
COLOR: SW7071 GRAY SCREEN

PL1 — PLASTIC LAMINATE
MFR: WILSONART
COLOR: WALNUT HEIGHTS 7965K
FINISH: 12 SOFTGRAIN FINISH WITH AEON

PL2 — PLASTIC LAMINATE
MFR: PIONITE
COLOR: AW300 LOVE LETTERS
FINISH: SD SUEDE

PL3 — PLASTIC LAMINATE
MFR: WILSONART
COLOR: 1595 BLACK
FINISH: 60 MATTE

PL4 — PLASTIC LAMINATE
MFR: WILSONART
COLOR: 4878-38 PEWTER MESH
FINISH: 60 MATTE

PWP1a — PLASTIC WALL PANEL
MFR: 3FORM
MATERIAL: VARIA WITH REFLECT BACKING
SIZE: 1/4" THICK
STYLE: KHAKI N22 + REFLECT E01
FINISH: VELLUM
CONTACT: REBECCA BLACK 313.500.9710, REBECCA.BLACK@3-FORM.COM

PWP1b — PLASTIC WALL PANEL
MFR: 3FORM
MATERIAL: VARIA WITH REFLECT BACKING
SIZE: 1/2" THICK
STYLE: KHAKI N22 + REFLECT E01
FINISH: VELLUM
CONTACT: REBECCA BLACK 313.500.9710 REBECCA.BLACK@3-FORM.COM

Q1 — QUARTZ (DRESSING RM COUNTER)
MFR: WILSONART
COLOR: HALDI Q4032
THICKNESS: 3CM

Q2 — QUARTZ (RESTROOM SINKS)
MFR: CORIAN
COLOR: VENETIA CREAM

RB1 — RUBBER BASE
MFR: TARKETT
TYPE: JOHNSONITE BASEWORKS MILLWORK
PROFILE: REVEAL, MX-XX-F
THICKNESS: 0.25"
COLOR: 672 ASHEN
SIZE: 4.25"H
ECOLABLE: NON-PVC, CRADLE TO CRADLE SILVER

RB2 — RUBBER BASE
TYPE: STANDARD COVE BASE
MFR: TARKETT
TYPE: JOHNSONITE BASEWORKS
PROFILE: COVE
THICKNESS: 0.125"
COLOR: 672 ASHEN
SIZE: 4"
ECOLABLE: NON-PVC, CRADLE TO CRADLE SILVER

SSM1 — SOLID SURFACE (RECEPTION & BAR)
MFR: LX HAUSYS
PRODUCT: HIMACS
COLOR/PTRN: STRATA CREAM

SSM2 — SOLID SURFACE (SILLS)
MFR: CORIAN
COLOR/PTRN: CAMEO WHITE

STN1 — STONE
NATURAL STONE CLADDING, MATCH EXTERIOR STONE IN COLOR & PATTERN
MFR: EARTHWORKS
NOTE: REFER TO STONE CLADDING SPEC

TL1a — PORCELAIN TILE (INTERIOR)
MFR: ERGON
PRODUCT: ELEGANCE PRO
COLOR: IVORY
SIZE: 47-1/4" x 47"-1/4" x 9.5MM
FINISH: NATURAL R10 RECTT.
PATTERN: SEE PLAN
GROUT: 1/8"W, MAPEI, ULTRACOLOR PLUS FA, 5039 IVORY
CONTACT: MICHAEL MONTORSI, (630)935-6450 MMONTORSI@M2ILTD.COM

TL1b — PORCELAIN TILE (OUTDOOR PAVER)
MFR: ERGON
PRODUCT: ELEGANCE PRO
COLOR: IVORY
SIZE: 18" x 36" x 20MM
FINISH: R11 RECTT.
PATTERN: SEE PLAN
CONTACT: MICHAEL MONTORSI,(630)935-6450, MMONTORSI@M2ILTD.COM

TL1c — PORCELAIN TILE
MFR: ERGON
PRODUCT: ELEGANCE PRO
COLOR: IVORY
SIZE: 11-13/16" X 23-5/8" x 9.5MM
FINISH: NATURAL R10 RECTT.
PATTERN: SEE PLAN
GROUT: 1/8"W, MAPEI, ULTRACOLOR PLUS FA, 5039 IVORY
CONTACT: MICHAEL MONTORSI, (630)935-6450 MMONTORSI@M2ILTD.COM

TL1d — PORCELAIN TILE (WALL, TEXTURED)
MFR: ERGON
PRODUCT: ELEGANCE PRO, MURAL
COLOR: IVORY
SIZE: 23-5/8" x 47"-1/4" x 9.5MM
FINISH: MURAL NATURAL R10 RECTT.
PATTERN: SEE ELEVATIONS
GROUT: 1/8"W, MAPEI, ULTRACOLOR PLUS FA, 5039 IVORY
NOTE: NO BASE, WALL FINISH TO FLOOR
CONTACT: MICHAEL MONTORSI,(630)935-6450, MMONTORSI@M2ILTD.COM

TL1e — PORCELAIN TILE (WALL BASE)
MFR: ERGON
PRODUCT: ELEGANCE PRO, BATTISCOPA
COLOR: IVORY
SIZE: 2-3/4" X 23-5/8" x 9.5MM
FINISH: NATURAL R10 RECTT.
PATTERN: ALIGN WITH FLOORING
GROUT: MATCH FLOOR GROUT
CONTACT: MICHAEL MONTORSI,(630)935-6450, MMONTORSI@M2ILTD.COM

TL1f — PORCELAIN TILE
MFR: ERGON
PRODUCT: ELEGANCE PRO
COLOR: IVORY
SIZE: 23-5/8" x 47"-1/4" x 9.5MM
FINISH: NATURAL R10 RECTT.
PATTERN: SEE ELEVATIONS
GROUT: 1/8"W, MAPEI, ULTRACOLOR PLUS FA, 5039 IVORY
CONTACT: MICHAEL MONTORSI, (630)935-6450 MMONTORSI@M2ILTD.COM

TL1g — PORCELAIN TILE
MFR: ERGON
PRODUCT: ELEGANCE PRO
COLOR: IVORY
SIZE: 5-7/8" x 47-1/4" x 9.5MM
FINISH: NATURAL R10 RECTT.
PATTERN: SEE FINISH PLAN
GROUT: 1/8"W, MAPEI, ULTRACOLOR PLUS FA, 5039 IVORY
CONTACT: MICHAEL MONTORSI, (630)935-6450 MMONTORSI@M2ILTD.COM

TL2 — GLASS MOSAIC TILE
MFR: DAL TILE
PRODUCT: CASCADING WATERS
COLOR: CW40 SHIMMER SHORE
SIZE: 4 X RANDOM STRAIGHT STACK
INSTALLATION: MOSAIC SHEET
FINISH: POLISHED
GROUT: MAPEI, ULTRACOLOR PLUS FA, 50/14 BISCUIT, MATCH WIDTH BETWEEN TILES ON SHEET

TL3 — PORCELAIN TILE
MFR: PLATFORM SURFACES
PRODUCT: CONCAVA
COLOR: WINTER BLUE
SIZE: 4.5" X 9"
INSTALLATION: HORIZONTAL STACKED
FINISH: GLOSSY
GROUT: MAPEI, ULTRACOLOR PLUS FA, 5093 WARM GRAY
GROUT SIZE: MATCH GROVES OF TILE FOR CONSISTENT GROUT THICKNESS
NOTE: GROUT TILE GROVES

TL4 — PORCELAIN TILE (EXTERIOR RESTROOM WALLS)
MFR: DWYER
PRODUCT: CORE
PATTERN: QUARTZITE QU-001
SIZE: 12X24, 8MM THICK
COLOR: AVORIO
FINISH: MATTE
INSTALLATION: VERTICALLY STACKED
GROUT: MAPEI, ULTRACOLOR PLUS FA, IVORY
CONTACT: MORGAN KLINE, 616.644.9362 MORGAN.KLINE@DWYERMARBLE.COM

TL5a — PORCELAIN PANEL
MFR: ENVI SURFACES
PRODUCT: TRIBUTE
COLOR: GLORY
SIZE: 126X60", 12MM
FINISH: POLISHED
PATTERN: SLAB
CONTACT: MORGAN KLINE, 616.644.9362 MORGAN.KLINE@DWYERMARBLE.COM

TL5b — PORCELAIN PANEL (WALL CLADDING)
MFR: ENVI SURFACES
PRODUCT: TRIBUTE
COLOR: GLORY
SIZE: 126X60", 6MM
FINISH: POLISHED
PATTERN: SLAB
CONTACT: MORGAN KLINE, 616.644.9362 MORGAN.KLINE@DWYERMARBLE.COM

TPN1 — TOILET PARTITIONS
MFR: IRONWOOD
PRODUCT: ELEMENT SERIES, MODEL 100093
MATERIAL: HPL LAMINATE
LAMINATE: MATCH PL1
CONTACT: AARON MAHELONA 425.249.1911 SPECS@IRONWOOD-MFG.COM

TS1 — TRANSITION STRIP (TILE/CARPET)
MFR: SCHLUTER STRIP
PRODUCT: SCHIENE
MATERIAL: STAINLESS STEEL

TS2 — TRANSITION STRIP (WALL TILE OPEN EDGES)
MFR: SCHLUTER STRIP
PRODUCT: JOLLY
MATERIAL: COLOR COATED ALUMINUM
COLOR: SP, SAND PEBBLE

TS3 — TRANSITION STRIP (FLOOR/WALL COVE TRANSITION)
MFR: SCHLUTER STRIP
PRODUCT: COVE SHAPED BASE DILEX-EHK
MATERIAL: STAINLESS STEEL
FINISH: BRUSHED

TS4 — TRANSITION STRIP (EXTERIOR RESTROOMS COVE)
MFR: SCHLUTER STRIP
PRODUCT: COVE SHAPED BASE DILEX-AHKA
MATERIAL: STAINLESS STEEL
FINISH: BRUSHED
NOTE: AT TILE WALL/CONCRETE FLOOR

TS5 — TRANSITION STRIP (CARPET/CONCRETE)
MFR: TARKETT
TYPE: JOHNSONITE RESILIENT REDUCER
PRODUCT: CRS-XX-B
COLOR: 55 SILVER GREY WG

TS6 — TRANSITION STRIP (TILE/CONCRETE)
MFR: SCHLUTER STRIP
PRODUCT: RENO-RAMP
MATERIAL: SATIN ANODIZED ALUMINUM

TS7 — TRANSITION STRIP (FIREPLACE EDGE) A2
MFR:
PRODUCT:
MATERIAL:

VCT1 — VINYL COMPOSITION TILE
MFR: ARMSTRONG
PRODUCT: IMPERIAL TEXTURE
COLOR: ARM51911 CLASSIC WHITE
SIZE: 12"X12"

VP1 — VENETIAN PLASTER
MFR: COLOR ATELIER
PRODUCT: VENETIAN LIME PLASTER
COLOR: WABI
COATS: 3 COAT SCRATCH-BODY-TOP, LAYERED AND BURNISHED
FINISH: SUEDE
TOP COAT: SEALED
MOVEMENT: CROSS-HATCH PATTERN WITH LONG & SWEEPING STROKES
NOTE: INTENT FOR EXPRESSED GENTLE TROWEL MARKS EMPHASIZING DEPTH
CONTACT: SPENCER KASTEN, (616)403-1836, SPENCERKASTEN@GMAIL.COM

WB1 — WOOD BASE, PAINTED
TYPE: WOOD
SIZE: 4"H
FINISH: PAINTED TO MATCH WALL OR AS NOTED

WB2 — WOOD BASE
TYPE: SOLID WOOD BASE
SIZE: 4"H
FINISH: MATCH WWP1 WOOD

WB3 — WOOD BASE
TYPE: SOLID WOOD BASE
SIZE: 4"H
FINISH: MATCH WD2

WC1 — WALLCOVERING
MATERIAL: VINYL
MFR: WOLF GORDON
COLLECTION: RAMPART FLEXIBLE WALL PROTECTION
PATTERN: GRAIN GOH 34809018
COLOR: BEECH
WIDTH: 52"W

WC2 — NOT USED

WC3 — WALLCOVERING (ACCENT)
MFR: IMAGE360
CONTENT: VINYL
PATTERN: CUSTOM
SUBSTRATE: GF 229 WALLMARK CANVAS 6.0 MIL MATTE WHITE EMBOSSED VINYL
NOTE: PRODUCT PRODUCED AND INSTALLED BY IMAGE360

WC4 — WALLCOVERING (DRESSING & OFFICE)
MFR: INNOVATIONS
CONTENT: VINYL
PATTERN: ILLUMINA
COLOR: ILL-08 WHITE DIAMOND
WIDTH: 54"
REPEAT: NON-MATCH
BACKING: OSNABURG
WEIGHT: 20oz

WC5 — WALLCOVERING (DRESSING RESTROOM)
MFR: INNOVATIONS
CONTENT: VINYL
PATTERN: ILLUMINA
COLOR: ILL-12 CROWN JEWEL
WIDTH: 54"
REPEAT: NON-MATCH
BACKING: OSNABURG
WEIGHT: 20oz

WD1 — WOOD (TYPICAL WOOD DOORS)
MFR: FORTE
SPECIES: WHITE MAPLE
CUT: PLAIN SLICED
FINISH: ENGLISH SADDLE

WD2 — WOOD (BALLROOM DOORS AND MILLWORK)
MFR: DOOGE VENEERS
SPECIES: RECON LINEAR RIFT WHITE OAK
CUT: RIFT CUT
MATCH: SLIP
LOG: 3414859-12

WD3 — WOOD (RECEPTION DESK)
TYPE: TAMBOUR FLEXIBLE WOOD SHEET
MFR: DESIGNS OF DISTINCTION
PRODUCT: FLEXIBLE TAMBOUR
PROFILE: 101
SIZE: 3/4" BEAD, 0.313 THICK
SPECIES: WHITE OAK
FINISH: SITE FINISH WITH CLEAR SEALER

WD4a — WOOD (INTERIOR NANAWALL FINISH)
MFR: NANAWALL
COLOR: CHERRY #100
FINISH: STANDARD FACTORY CLEAR FINISH

WD4b — WOOD (MILLWORK TRIM AT INTERIOR NANAWALL)
MFR: MATCH WD4a

WP1 — WALL PROTECTION (FRP)
MFR: MARLITE
PRODUCT: PEBBLED FRP, CLASS A
COLOR: P100 WHITE
SIZE: 4' X 8'
LOCATION: JANITORS CLOSET AT SINKS.
NOTE: INSTALL APPROX 4'-4"AFF - A FULL SHEET ABOVE BASE WITH COORDINATING PVC TRIMS

WP2 — CORNER GUARD
MFR: CONSTRUCTION SPECIALTIES
MATERIAL: STAINLESS STEEL
TYPE: CO-8
SIZE: 2" LEGS

WS1 — WINDOW SHADE
TYPE: ROLLER SHADE
MFR: MECHOSHADE
STYLE: TWO SINGLE ROLLS, ELECTRIC
SHD CLOTH 1: LIGHT-FILTERING: SOHO 1600, 3% OPEN COLOR: 1603 LIGHT GREY
SHD CLOTH 2: ACOUSTIC ROOM-DARKENING: ACOUSTIVEIL, COLOR: 0893 PEARL GREY
TRIMS: CLOSURE COLOR: SWF BRONZE
CONTACT: ANGELA ROHDE, AMERICAN INTERIORS 734.624.8173, arohde@aminteriors.com

WS2 — WINDOW SHADE
TYPE: ROLLER SHADE
MFR: MECHOSHADE
STYLE: SINGLE ROLL, MANUAL SHADE
SHADE CLOTH: SOHO 1600, 3% OPEN
COLOR: 1603 LIGHT GREY
TRIMS: POCKET COLOR: SWF - 875 CLEAR ANODIZED
CONTACT: ANGELA ROHDE, AMERICAN INTERIORS 734.624.8173, arohde@aminteriors.com

WS3 — WINDOW SHADE (DRAPERY)
TYPE: DRAPE, SHEER
MFR: CARNEGIE
PATTERN: HALINA 36915
COLOR: 336
WIDTH: 128"
CONTENT: 100% TREVIRA CS POLYESTER
STYLE: RIPPLEFOLD
FULLNESS: 120%
DRAW: BATON, ONE-WAY, BUTTMASTER
HEM: BEAD WEIGHTED EUROHEM
NOTE: FABRIC MUST BE RAILROADED
CONTACT: ANGELA ROHDE, AMERICAN INTERIORS 734.624.8173, arohde@aminteriors.com

WWP1 — WOOD (WOOD WALL PANELS, ACOUSTIC)
MFR: TERRA MIA
TYPE: THIN SLAT ACOUSTIC WALL PANELS (SKU2797)
SIZE: 1"Wx1/2" THICK WOOD SLAT ON BACKER, 7/8" TOTAL THICK, 12" FACE WIDTH, 7'-10 1/2" FIXED LENGTHS
SPECIES: BLACK WALNUT
FINISH: FACTORY FINISHED LOW-VOC MATTE POLYURETHANE
BACKING: RECYCLED PET FELT PANEL, BLACK
ACOUSTICS: 0.50 SAA, 0.50 NRC,
CONTACT: MITCH GREENBURG, MITCH@TERRAMAI.COM, 312.618.6070

GENERAL FINISH NOTES

1. GENERAL:
   - REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL FINISH INFORMATION.
2. FLOORING:
   - INSTALL FLOORING MATERIAL IN DIRECTION INDICATED ON FINISH PLAN, UNLESS NOTED OTHERWISE.
   - PROVIDE CEMENTITIOUS COMPOUND BETWEEN FLOOR MATERIALS OF DIFFERENT THICKNESS. FEATHER FLOOR FOR SMOOTH TRANSITION. SLOPE: 1/8":12
   - USE TRANSITION STRIPS WHERE INDICATED ON FINISH LEGEND.
   - FLOORING TRANSITIONS TO TAKE PLACE AT CENTER OF DOOR IN CLOSED POSITION.
   - TRANSITIONS:
     TILE/CARPET = TS1
     CARPET/CONCRETE = TS5
     TILE/CONCRETE = TS6
3. EXPOSED STRUCTURE:
   - EXPOSED STEEL ADJACENT TO GLASS CURTAIN WALL SHALL BE P11
4. SOFFITS:
   - PAINT ALL SOFFIT FACE AND UNDERSIDES TO MATCH ADJACENT WALL COLOR.
5. DIFFUSERS AND COVERS:
   - PAINT ALL WALL DIFFUSERS AND AIR GRILLE COVERS TO MATCH ADJACENT WALL COLOR.
6. COUNTERTOPS:
   - TYPICAL QUARTZ SURFACE COUNTERTOP EDGE PROFILE TO BE 3CM EASED EDGE.
   - PORCELAIN COUNTER TOPS EDGE TO BE MITERED
   - SOLID SURFACE COUNTER TOPS EDGE TO BE 1/8" EASED.
7. RESTROOM SINK SYSTEM ROOMS 108, 109, 111, 153, 154, 155, 157:
   - TOP MATERIAL: QUARTZ Q1
   - APRON: 4.75"H
   - EDGE: STRAIGHT
   - FIXTURES: BRUSHED NICKEL
   - PIPE ENCLOSURE: ANGLED LAMINATE, SEE ELEVATIONS
8. CEILINGS:
   - REFER TO REFLECTED CEILING PLAN AND LEGEND FOR CEILING TYPES, FINISH DESIGNATION AND LOCATIONS.
   - CEILING SYSTEM ACCESS PANELS SHALL CONTINUE PATTERN OF CEILING WITHOUT INTERRUPTION OF A FRAME AROUND THE PANEL EDGE. A2
9. INTERIOR STONE VENEER WALLS AND COLUMNS:
   - AT ALL INTERIOR WALLS AND COLUMNS CLAD IN STONE VENEER, THE STONE SHALL CONTINUE TO THE FLOOR. DO NOT APPLY ROOM SPECIFIED BASE AT THESE LOCATIONS.
   - THE STONE COLOR AND PATTERN SHALL MATCH AND CONTINUE FROM THE EXTERIOR.

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	IOLKHOVESKA
Designer	KBRAUN
Reviewer	WLRAPSON
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

SHEET NO.
A203

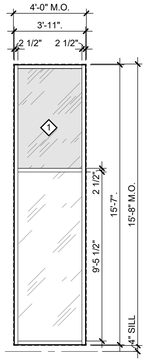
©Copyright 2026
All Rights Reserved

PLOT INFO: 10/27/2026 2:55:49 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_A_2500281.rvt

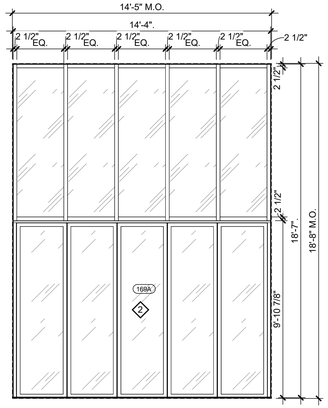
KEY NOTES

1 1" INSULATED SPANDREL GLAZING UNIT (INDICATED BY SOLID GRAY HATCH).

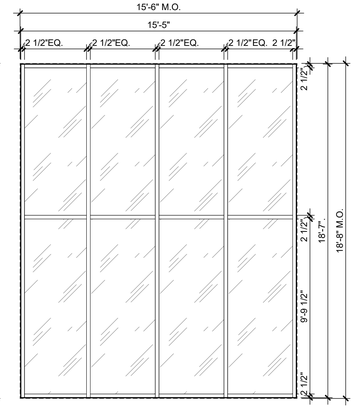
2 NANAWALL ALUMINUM SERIES 640L.



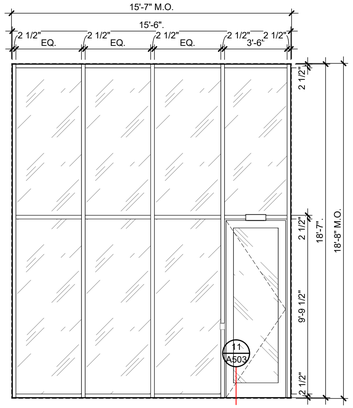
12 CW-A7 CURTAIN WALL
SCALE: 1/4" = 1'-0"



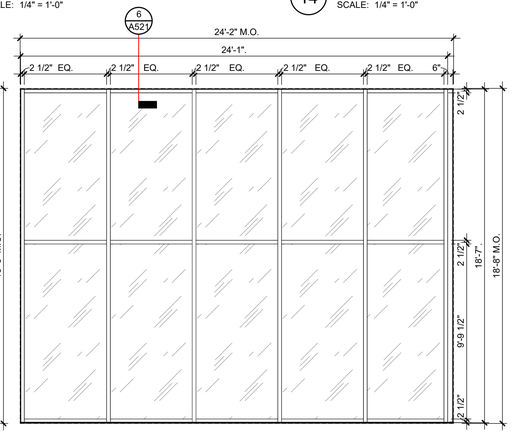
11 CW-B5 CURTAIN WALL
SCALE: 1/4" = 1'-0"



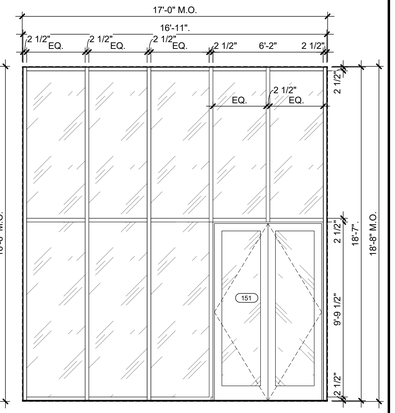
10 CW-B4 CURTAIN WALL
SCALE: 1/4" = 1'-0"



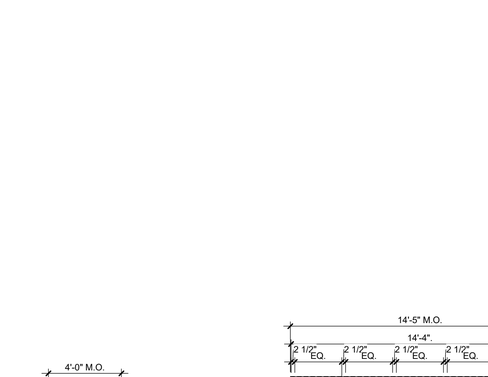
9 CW-B3 CURTAIN WALL
SCALE: 1/4" = 1'-0"



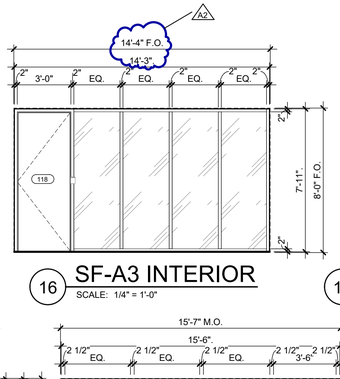
8 CW-B2 CURTAIN WALL
SCALE: 1/4" = 1'-0"



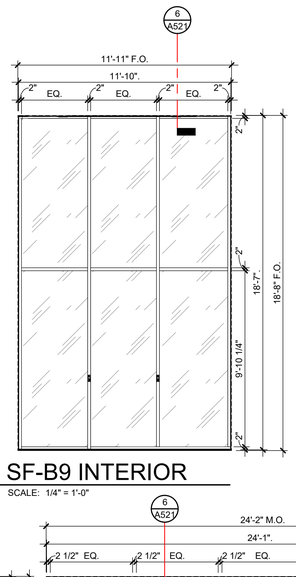
7 CW-B1 CURTAIN WALL
SCALE: 1/4" = 1'-0"



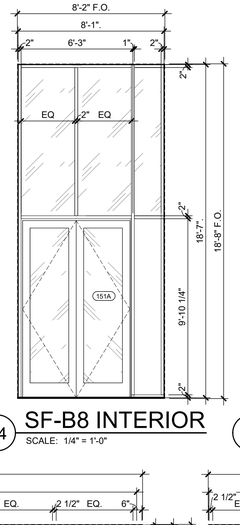
17 SF-A2 INTERIOR
SCALE: 1/4" = 1'-0"



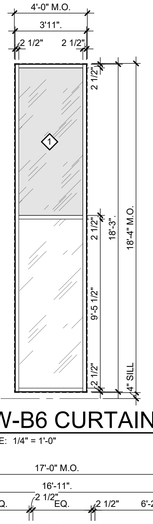
16 SF-A3 INTERIOR
SCALE: 1/4" = 1'-0"



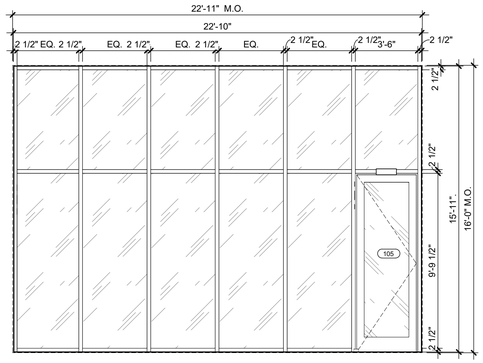
15 SF-B9 INTERIOR
SCALE: 1/4" = 1'-0"



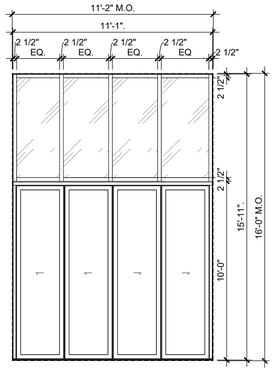
14 SF-B8 INTERIOR
SCALE: 1/4" = 1'-0"



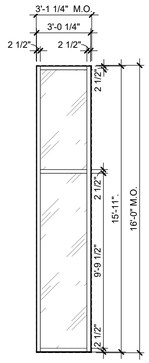
13 CW-B6 CURTAIN WALL
SCALE: 1/4" = 1'-0"



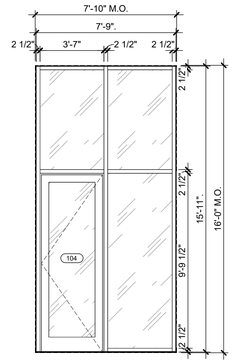
6 CW-A6 CURTAIN WALL
SCALE: 1/4" = 1'-0"



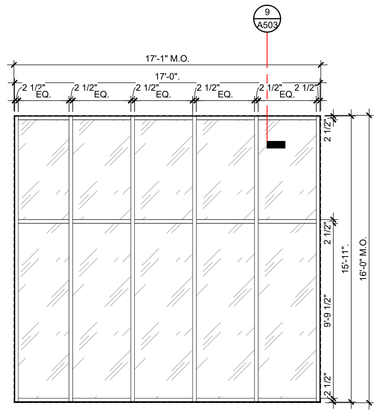
5 CW-A5 CURTAIN WALL
SCALE: 1/4" = 1'-0"



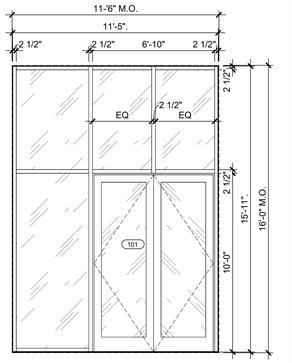
4 CW-A4 CURTAIN WALL
SCALE: 1/4" = 1'-0"



3 CW-A3 CURTAIN WALL
SCALE: 1/4" = 1'-0"



2 CW-A2 CURTAIN WALL
SCALE: 1/4" = 1'-0"



1 CW-A1 CURTAIN WALL
SCALE: 1/4" = 1'-0"

PLOT INFO: 10/27/2026 2:55:57 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_A_2500281.rvt

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

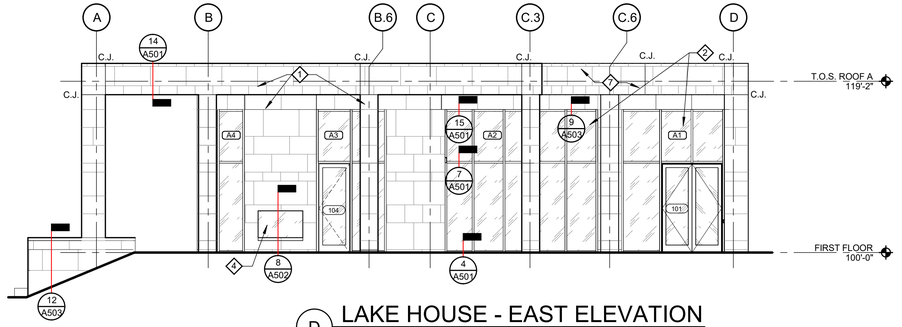
Drawn By	IOLKHOVESKA
Designer	IELHENNAWY
Reviewer	WLRAPSON
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

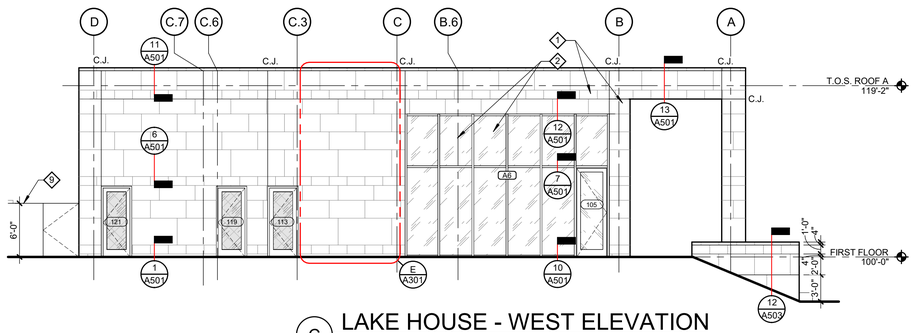
PROJECT NO.
2500281

SHEET NO.
A204

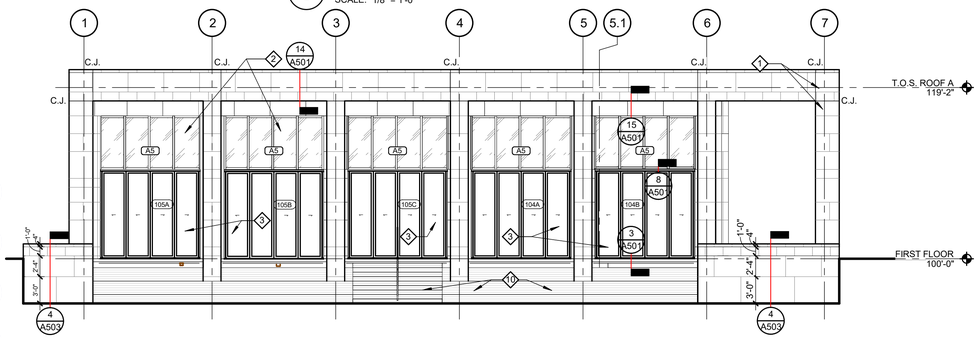
©Copyright 2026
All Rights Reserved



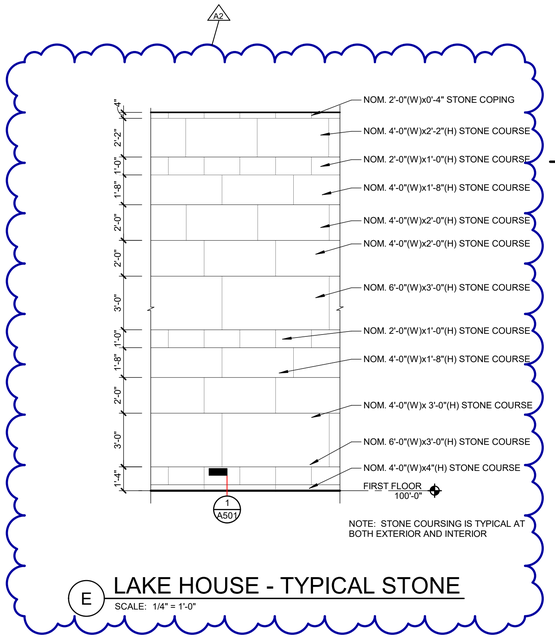
D LAKE HOUSE - EAST ELEVATION
SCALE: 1/8" = 1'-0"



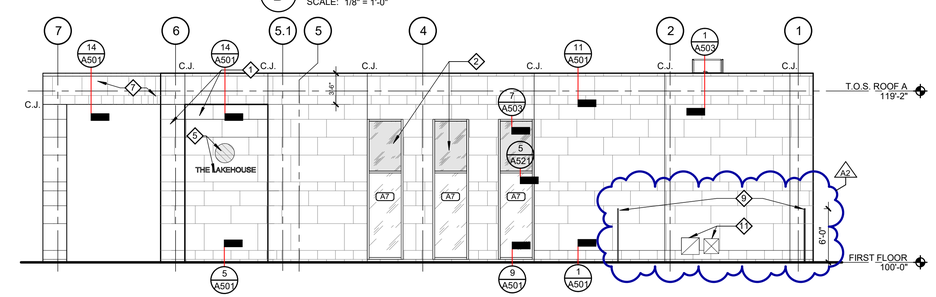
C LAKE HOUSE - WEST ELEVATION
SCALE: 1/8" = 1'-0"



B LAKE HOUSE - SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



E LAKE HOUSE - TYPICAL STONE
SCALE: 1/4" = 1'-0"



A LAKE HOUSE - NORTH ELEVATION
SCALE: 1/8" = 1'-0"

KEY NOTES

1	NATURAL STONE VENEER, TYP.
2	ALUMINUM CURTAIN WALL, TYP.
3	FOLDING WALL
4	FIREPLACE; DOUBLE-SIDED GLASS FRONT; APPROX 5'W X 3'H
5	SIGNAGE
6	NATURAL STONE COPING TYP.
7	FACETED STONE WALL WITH SURFACE CUT TO RADIUS , REFER TO ROOF PLAN FOR DIMENSIONS
8	DASHED LINE INDICATES SKY RING STRUCTURE BY OTHERS, REFER TO MANUFACTURER DRAWINGS
9	PERFORATED METAL MECHANICAL SCREEN WALLS, ALIGN W/ LIMESTONE COURSING
10	TIERED SEATING AND STAIRS, REFER TO CIVIL DRAWINGS FOR DETAIL
11	THRU-WALL MECHANICAL VENTS, REFER TO MECHANICAL FOR SIZE AND LOCATION

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	IOLKHOVESKA
Designer	IELHENNAWY
Reviewer	WLRAPSON
Manager	CKRETOVIC

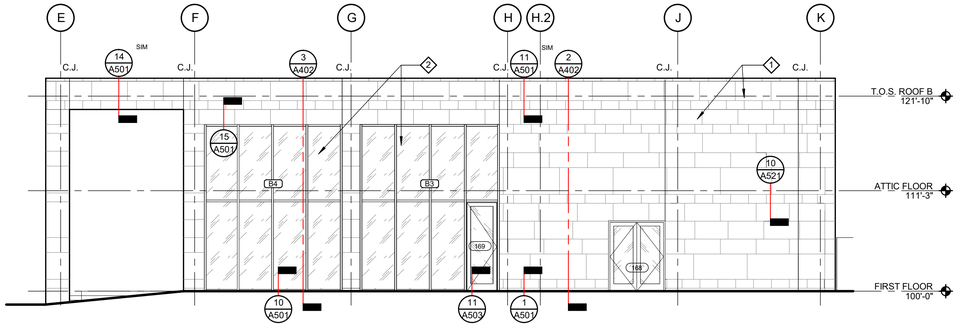
Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

SHEET NO.
A301

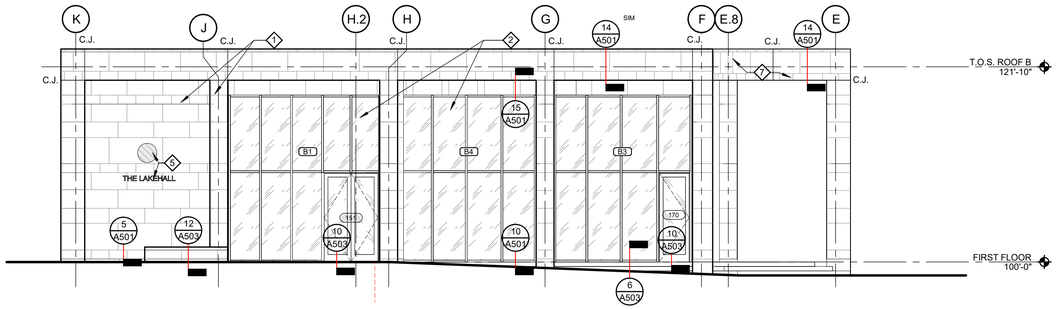
©Copyright 2026
All Rights Reserved

PLOT INFO: 10/27/2026 2:56:00 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_A_2500281.rvt



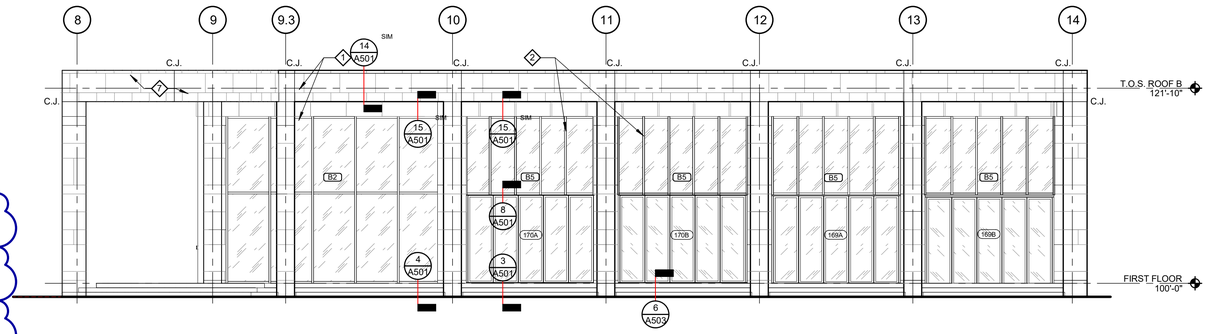
H LAKE HALL - EAST ELEVATION

SCALE: 1/8" = 1'-0"



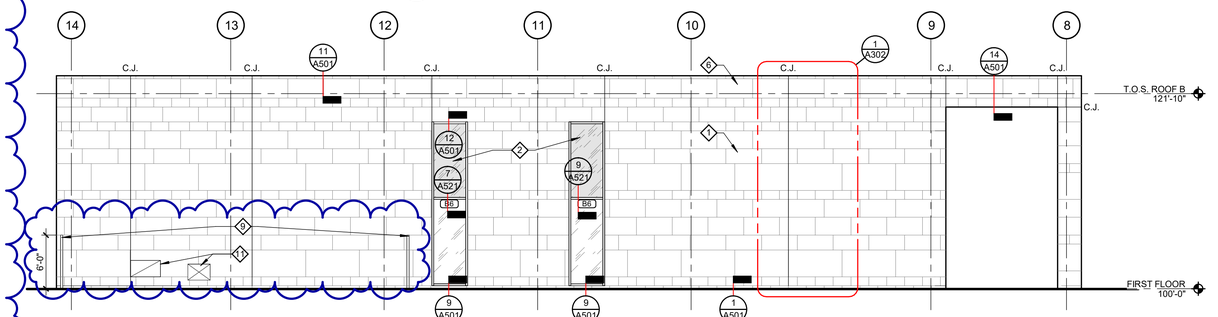
C LAKE HALL - WEST ELEVATION

SCALE: 1/8" = 1'-0"



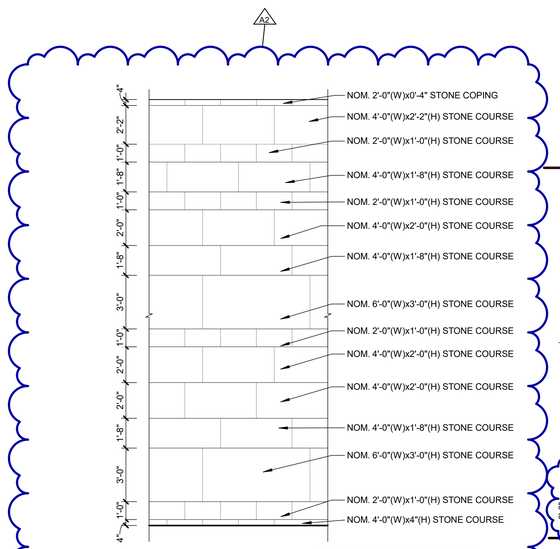
B LAKE HALL - SOUTH ELEVATION

SCALE: 1/8" = 1'-0"



A LAKE HALL - NORTH ELEVATION

SCALE: 1/8" = 1'-0"



1 LAKE HALL - TYPICAL STONE

SCALE: 1/4" = 1'-0"

KEY NOTES

#	
1	NATURAL STONE VENEER, TYP.
2	ALUMINUM CURTAIN WALL, TYP.
3	FOLDING WALL
4	FIREPLACE; DOUBLE-SIDED GLASS FRONT; APPROX 5'W X 3'H
5	SIGNAGE
6	NATURAL STONE COPING TYP.
7	FACETED STONE WALL WITH SURFACE CUT TO RADIUS , REFER TO ROOF PLAN FOR DIMENSIONS
8	DASHED LINE INDICATES SKY RING STRUCTURE BY OTHERS, REFER TO MANUFACTURER DRAWINGS
9	PERFORATED METAL MECHANICAL SCREEN WALLS, ALIGN W/ LIMESTONE COURSING
10	TIERED SEATING AND STAIRS, REFER TO CIVIL DRAWINGS FOR DETAIL
11	THRU-WALL MECHANICAL VENTS, REFER TO MECHANICAL FOR SIZE AND LOCATION

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	IOLKHOVESKA
Designer	IELHENNAWY
Reviewer	WLRAPSON
Manager	CKRETOVIC

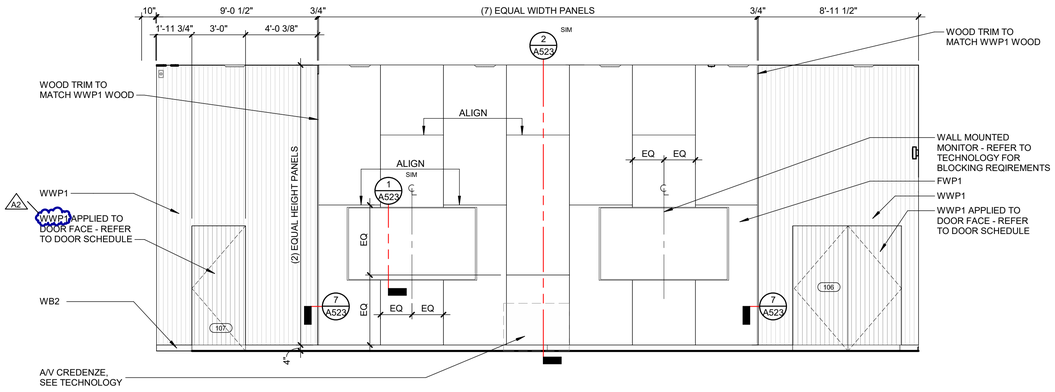
Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

SHEET NO.
A302

©Copyright 2026
All Rights Reserved

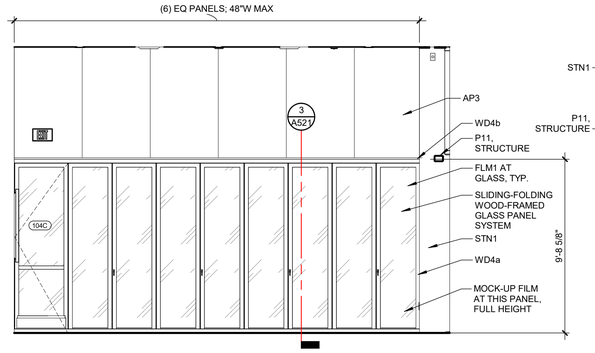
PLOT INFO: 10/27/2026 2:56:04 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_A_2500281.rvt



MULTIPURPOSE ROOM 105 NORTH

J INTERIOR ELEVATION

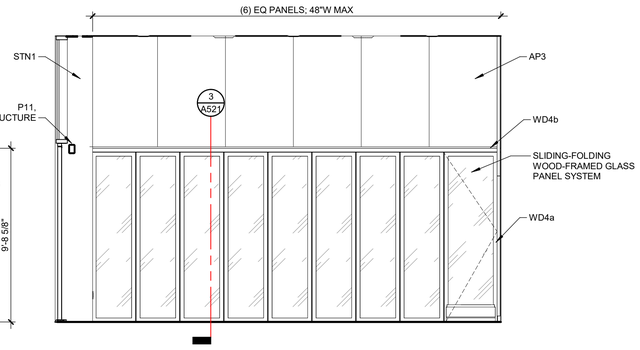
SCALE: 1/4" = 1'-0"



MULTIPURPOSE ROOM 105 EAST

H INTERIOR ELEVATION

SCALE: 1/4" = 1'-0"

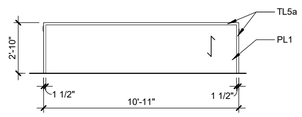


COMMUNITY LIVING ROOM 104 WEST

G INTERIOR ELEVATION

SCALE: 1/4" = 1'-0"

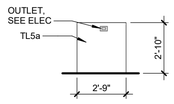
APPLIANCE SCHEDULE							
TAG	DESCRIPTION	MANUFACTURER	MODEL	SIZE	FINISH	RESPONSIBILITY	NOTES
REF	REFRIGERATOR, COUNTER DEPTH FRENCH DOOR W/ IN DOOR ICE/WATER, 20.6cu.ft. FIGERPRINT RESISTANT, ENERGY STAR	GE	GYE21JYMFS	69.875 H x 35.625 W x 30.9375 D	STAINLESS STEEL FINGERPRINT RESISTANT	CFCI	
MW	MICROWAVE, BUILT-IN W/ TRIM KIT, 2.2 Cu. Ft.	FRIGIDAIRE	GMBS3068BF TRIM KIT: GMTK2768AF	13 5/8" H x 24 4/9" W x 19 5/8" D	STAINLESS STEEL	CFCI	INSTALLED W/ FRIGIDAIRE 27" TRIM KIT (STAINLESS STEEL)
DW	DISHWASHER, BUILT-IN, CUSTOM PANEL READY, ADA HEIGHT	BOSCH	800 SERIES, SGV78C53UC	32 1/16" H x 23 9/16" W x 21 5/8" D	CUSTOM PANEL TO MATCH ADJACENT CASEWORK	CFCI	REQUIRES CUSTOM PANEL BY CASEWORK SUPPLIER
CFE	COFFEE MACHINE, COMMERCIAL, MODULAR BEAN-TO-CUP, WITH TOUCH SCREEN	CAFECTION	SYMBOL	30.5" H x 17.8" W x 23.9" D	STANDARD FINISH (BLACK)	CFCI	



KITCHENETTE 104 ISLAND NORTH

E INTERIOR ELEVATION

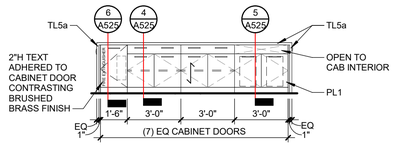
SCALE: 1/4" = 1'-0"



KITCHENETTE 104 ISLAND EAST & WEST

D INTERIOR ELEVATION

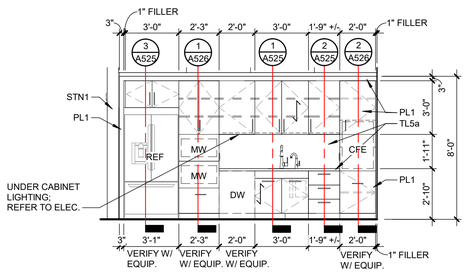
SCALE: 1/4" = 1'-0"



COMMUNITY LIVING KITCHENETTE 104 SOUTH

C INTERIOR ELEVATION

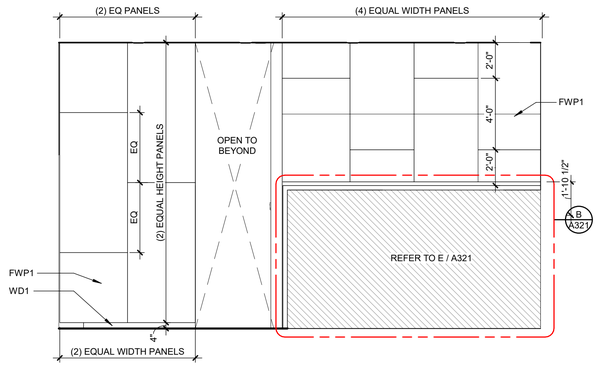
SCALE: 1/4" = 1'-0"



COMMUNITY LIVING RM KITCHENETTE 104 NORTH

B INTERIOR ELEVATION

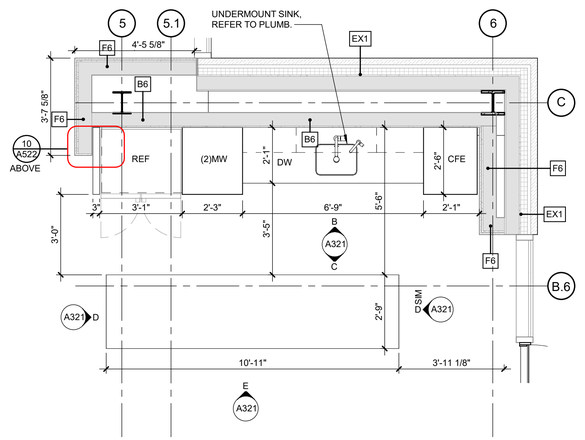
SCALE: 1/4" = 1'-0"



COMMUNITY LIVING ROOM 104 NORTH

A INTERIOR ELEVATION

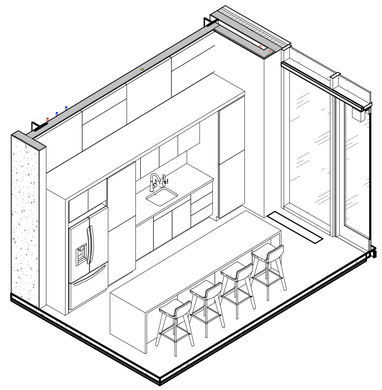
SCALE: 1/4" = 1'-0"



COMMUNITY LIVING RM 104 - KITCHENETTE

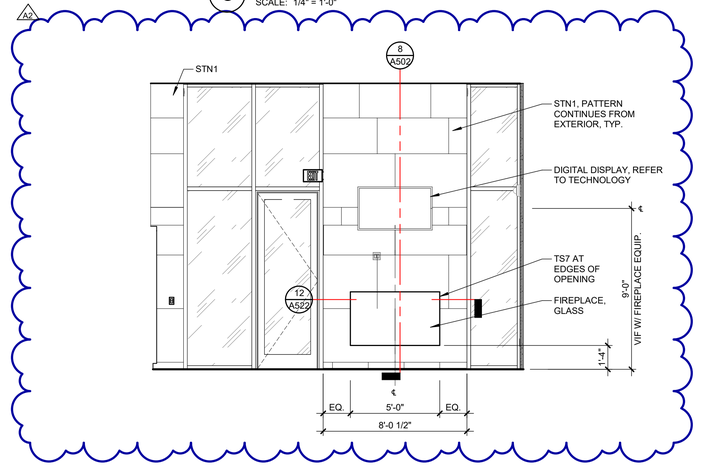
2 ENLARGED PLAN

SCALE: 3/8" = 1'-0"



1 KITCHENETTE - ISO

SCALE:



COMMUNITY LIVING ROOM 104 EAST

F INTERIOR ELEVATION

SCALE: 1/4" = 1'-0"

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

fishbeck

Engineers | Architects | Scientists | Constructors

REVISIONS		
10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	IOLKHOVESKA
Designer	KBRAUN
Reviewer	WLRAPSON
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.

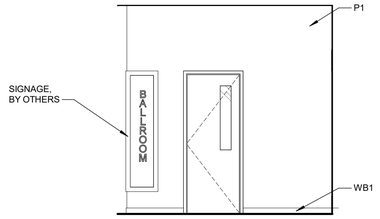
2500281

SHEET NO.

A321

©Copyright 2026
All Rights Reserved

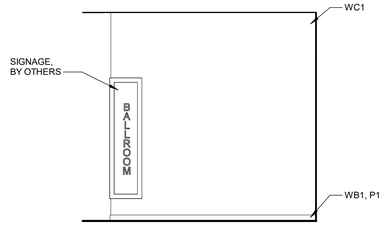
PLOT INFO: 10/27/2026 2:56:10 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_A_2500281.rvt



BALLROOM 169 ENTRY CORRIDOR EAST

E **INTERIOR ELEVATION**

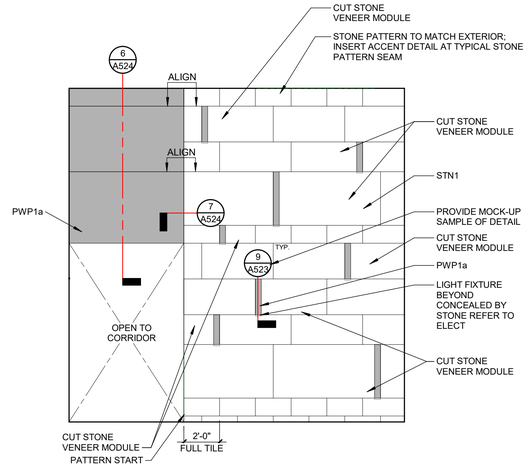
SCALE: 1/4" = 1'-0"



CORRIDOR 168 WEST

D **INTERIOR ELEVATION**

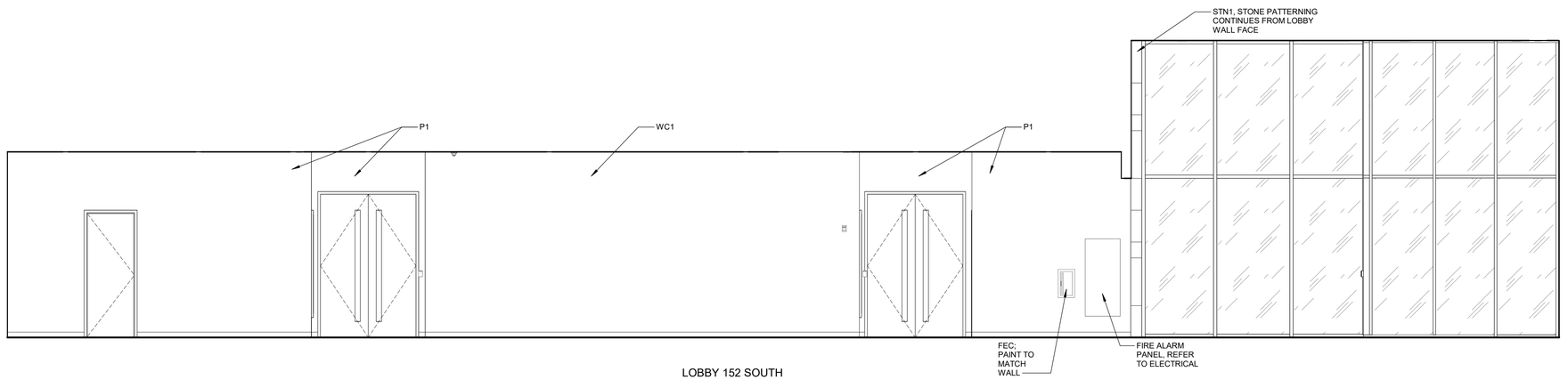
SCALE: 1/4" = 1'-0"



LOBBY 152 EAST

C **INTERIOR ELEVATION**

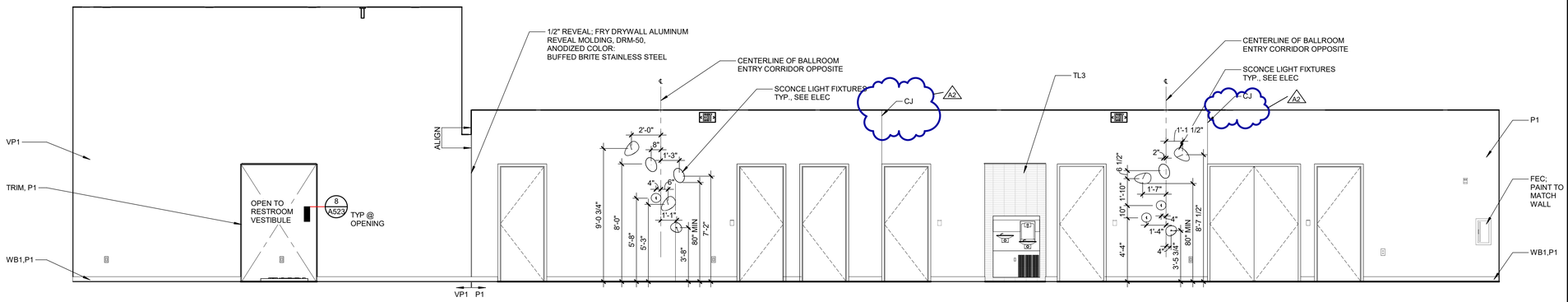
SCALE: 1/4" = 1'-0"



LOBBY 152 SOUTH

B **INTERIOR ELEVATION**

SCALE: 1/4" = 1'-0"



LOBBY 152 NORTH

A **INTERIOR ELEVATION**

SCALE: 1/4" = 1'-0"

PLOT INFO: 10/27/2026 2:56:23 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_A_2500281.rvt

fishbeck

Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS		
10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	KBRAUN
Designer	KBRAUN
Reviewer	WLRAPSON
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

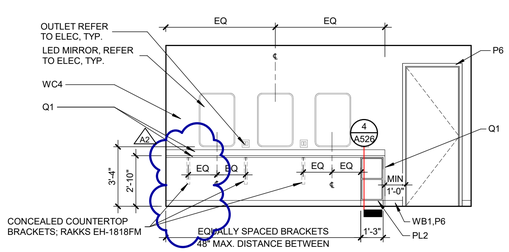
PROJECT NO.

2500281

SHEET NO.

A323

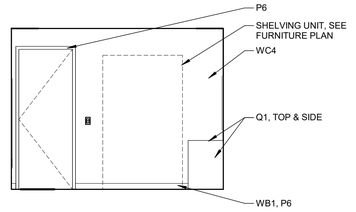
©Copyright 2026
All Rights Reserved



DRESSING ROOM 156 WEST

K INTERIOR ELEVATION

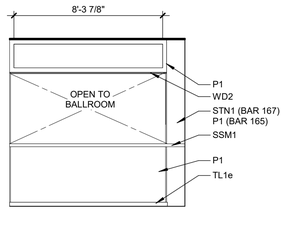
SCALE: 1/4" = 1'-0"



DRESSING ROOM 156 SOUTH

J INTERIOR ELEVATION

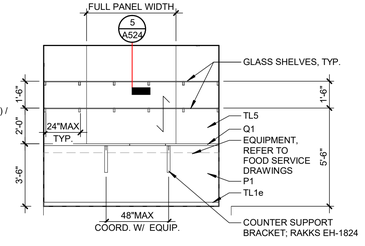
SCALE: 1/4" = 1'-0"



BAR 165 SOUTH

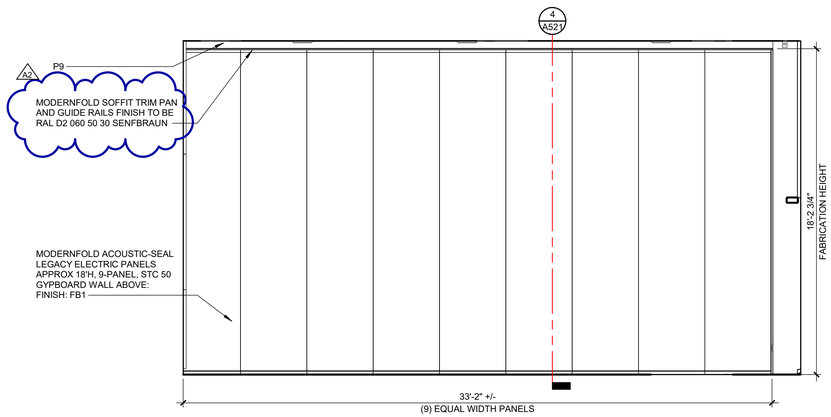
H INTERIOR ELEVATION

SCALE: 1/4" = 1'-0"



G INTERIOR ELEVATION

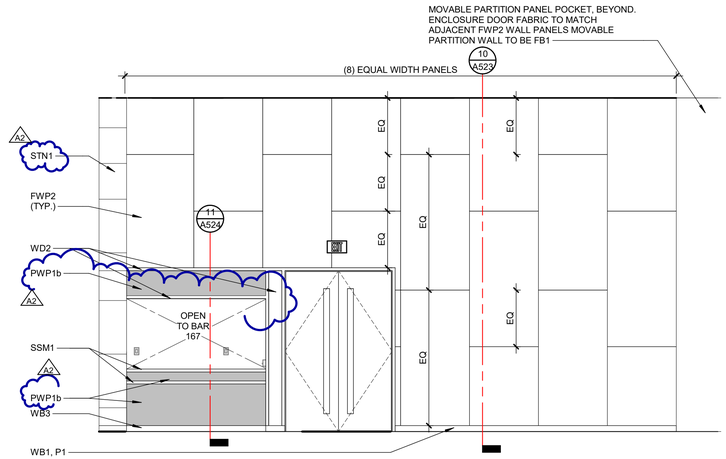
SCALE: 1/4" = 1'-0"



BALLROOM 170 EAST

D INTERIOR ELEVATION

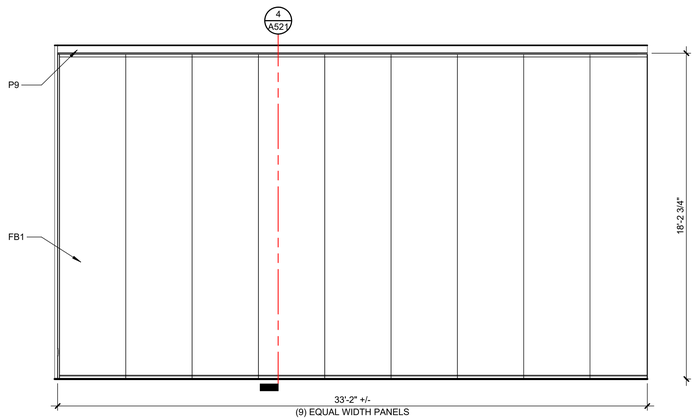
SCALE: 1/4" = 1'-0"



BALLROOM 170 NORTH

C INTERIOR ELEVATION

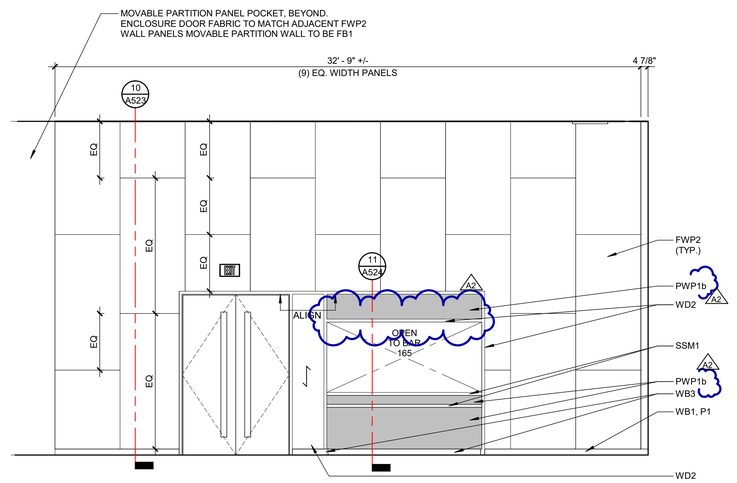
SCALE: 1/4" = 1'-0"



BALLROOM 169 WEST

B INTERIOR ELEVATION

SCALE: 1/4" = 1'-0"



BALLROOM 169 NORTH

A INTERIOR ELEVATION

SCALE: 1/4" = 1'-0"

PLOT INFO: 10/27/2026 2:56:28 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_A_2500281.rvt

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS		
10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	KBRAUN
Designer	KBRAUN
Reviewer	WLRAPSON
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.

2500281

SHEET NO.

A324

©Copyright 2026
All Rights Reserved

KEY NOTES - ENLARGED FLOOR PLAN

1 SERVICE SINK, REFER TO PLUMB.

2 60" LONG, CONTINUOUS TROUGH, DOUBLE SINK WITH ANGLED, LAMINATED ENCLOSURE BY SINK MFR. REFER TO PLUMB.

3 30" LONG SINGLE SINK WITH ANGLED, LAMINATED ENCLOSURE BY SINK MFR., REFER TO PLUMB.

4 ALONG LINE OF FLOOR TO CEILING MOUNTED TOILET PARTITION PILASTERS, PROVIDE 6" DEEP COLD FORMED BOX HEADER ((2) 600S200-54 AND (2) 600T200-54) ABOVE CEILING.

5 PLASTIC LAMINATE, TOILET PARTITION WITH FULL HEIGHT PILASTERS AND 84" HIGH DOORS AND SIDE PANELS.

6 LOCATE / ALIGN WALL WITH GYPSUM BOARD RETURN, REFER TO DETAIL X/AXXX FOR WINDOW JAMB DETAILING.

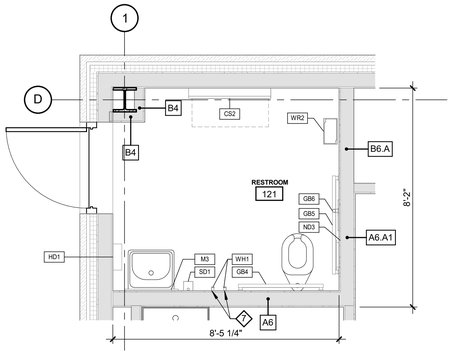
7 COAT HOOK (2); MOUNT ONE HOOK AT 42" A.F.F. AND SECOND HOOK AT 64" A.F.F.

TOILET ACCESSORY SCHEDULE

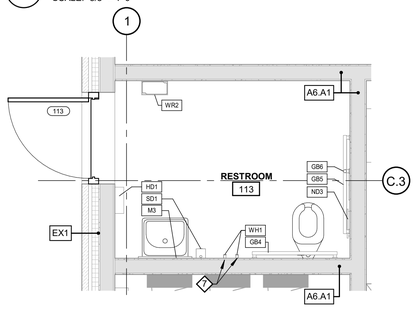
TAG	DESCRIPTION	MANUFACTURER	MODEL
CS1	SURFACE MOUNTED BABY CHANGING STATION	KOALA KARE	KB310-SSWM
CS2	SURFACE MOUNTED BABY CHANGING STATION	BRADLEY	962-11
GB1	42" HORIZONTAL GRAB BAR	BRADLEY	8B1-0014200 - No Hooks
GB2	18" VERTICAL GRAB BAR	BRADLEY	8B1-0011800 - No Hooks
GB3	36" HORIZONTAL GRAB BAR	BRADLEY	8B1-0013600 - No Hooks
GB4	36" HORIZONTAL GRAB BAR	BOBRICK	B-9806-36
GB5	42" HORIZONTAL GRAB BAR	BOBRICK	B-9806-42
GB6	18" VERTICAL GRAB BAR	BOBRICK	B-9806-18
HD1	HAND DRYER	BOBRICK	B-7179
M1	24" X 36" MIRROR	BRADLEY	7B1-0024360
M2	24" x 60" MIRROR	BRADLEY	7B1-5024600
M3	24" X 36" MIRROR	BOBRICK	B-290 2436
ND1	NAPKIN DISPOSAL - RECESSED	BRADLEY	4B2-000000
ND2	NAPKIN DISPOSAL - SURFACE MOUNTED	BRADLEY	4B2-110000
ND3	NAPKIN DISPOSAL - RECESSED	BOBRICK	B-35303
SD1	SOAP DISPENSER - SURFACE MOUNTED	BOBRICK	B-2012
TD1	TOILET PAPER DISPENSER WITH SHELF	BRADLEY	5B2-110089
TD2	TOILET PAPER DISPENSER - RECESSED	BOBRICK	B-35883
WH1	COAT HOOK	BRADLEY	9B1-110000
WR1	WASTE RECEPTACLE - SEMI-RECESSED	BRADLEY	3B1-100000
WR2	WASTE RECEPTACLE	BOBRICK	B-9279

GENERAL NOTES

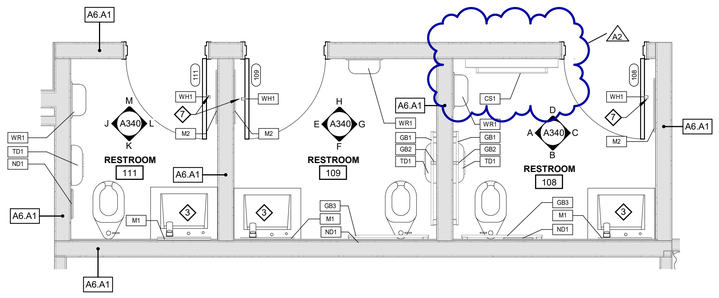
1. REFER TO A001 FOR MOUNTING HEIGHT.



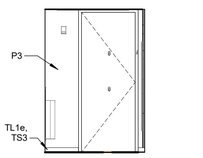
LAKE HOUSE
3 ENLARGED PLAN
SCALE: 3/8" = 1'-0"



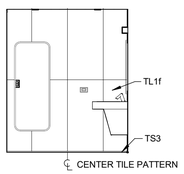
LAKE HOUSE
2 ENLARGED PLAN
SCALE: 3/8" = 1'-0"



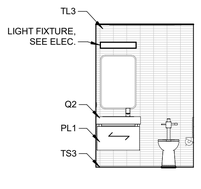
LAKE HOUSE
1 ENLARGED PLAN
SCALE: 3/8" = 1'-0"



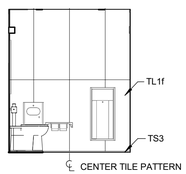
RESTROOM 111 NORTH
M ELEVATION
SCALE: 1/4" = 1'-0"



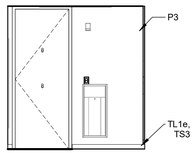
RESTROOM 111 EAST
L ELEVATION
SCALE: 1/4" = 1'-0"



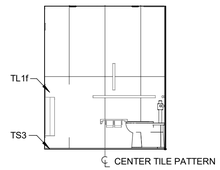
RESTROOM 111 SOUTH
K ELEVATION
SCALE: 1/4" = 1'-0"



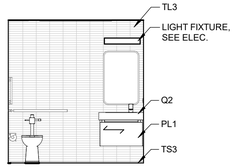
RESTROOM 111 WEST
J ELEVATION
SCALE: 1/4" = 1'-0"



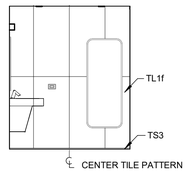
RESTROOM 109 NORTH
H ELEVATION
SCALE: 1/4" = 1'-0"



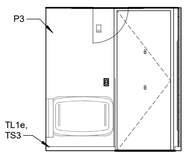
RESTROOM 109 EAST
G ELEVATION
SCALE: 1/4" = 1'-0"



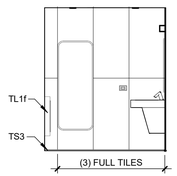
RESTROOM 109 SOUTH
F ELEVATION
SCALE: 1/4" = 1'-0"



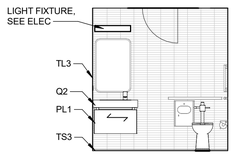
RESTROOM 109 WEST
E ELEVATION
SCALE: 1/4" = 1'-0"



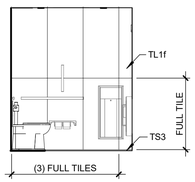
RESTROOM 108 NORTH
D ELEVATION
SCALE: 1/4" = 1'-0"



RESTROOM 108 EAST
C ELEVATION
SCALE: 1/4" = 1'-0"



RESTROOM 108 SOUTH
B ELEVATION
SCALE: 1/4" = 1'-0"



RESTROOM 108 WEST
A ELEVATION
SCALE: 1/4" = 1'-0"

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS		
10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	IOLKHOVESKA
Designer	IELHENNAWY
Reviewer	WLRAPSON
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.

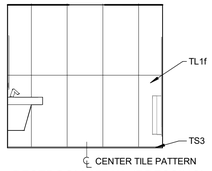
2500281

SHEET NO.

A340

©Copyright 2026
All Rights Reserved

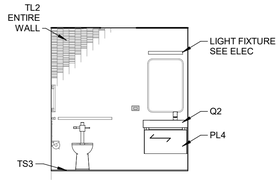
PLOT INFO: 10/27/2026 2:56:34 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_A_2500281.rvt



RESTROOM 157 W (DRESSING)

P ELEVATION

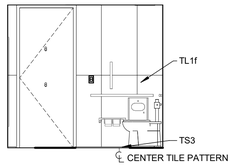
SCALE: 1/4" = 1'-0"



RESTROOM 157 S (DRESSING)

O ELEVATION

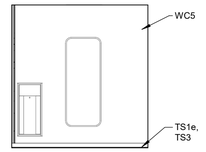
SCALE: 1/4" = 1'-0"



RESTROOM 157 E (DRESSING)

N ELEVATION

SCALE: 1/4" = 1'-0"



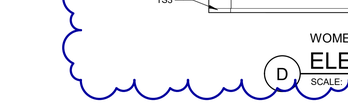
RESTROOM 157 N (DRESSING)

M ELEVATION

SCALE: 1/4" = 1'-0"

KEY NOTES - ENLARGED FLOOR PLAN

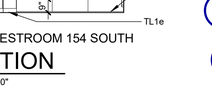
1. SERVICE SINK, REFER TO PLUMB.
2. 60" LONG, CONTINUOUS TROUGH, DOUBLE SINK WITH ANGLED, LAMINATED ENCLOSURE BY SINK MFR. REFER TO PLUMB.
3. 30" LONG SINGLE SINK WITH ANGLED, LAMINATED ENCLOSURE BY SINK MFR., REFER TO PLUMB.
4. ALONG LINE OF FLOOR TO CEILING MOUNTED TOILET PARTITION PILASTERS, PROVIDE 6" DEEP COLD FORMED BOX HEADER ((2) 600S200-54 AND (2) 600T200-54) ABOVE CEILING.
5. PLASTIC LAMINATE, TOILET PARTITION WITH FULL HEIGHT PILASTERS AND 84" HIGH DOORS AND SIDE PANELS.
6. LOCATE / ALIGN WALL WITH GYPSUM BOARD RETURN, REFER TO DETAIL X/AXXX FOR WINDOW JAMB DETAILING.
7. COAT HOOK (2); MOUNT ONE HOOK AT 42" A.F.F. AND SECOND HOOK AT 64" A.F.F.



RESTROOM 155 WEST

L ELEVATION

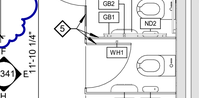
SCALE: 1/4" = 1'-0"



RESTROOM 155 SOUTH

K ELEVATION

SCALE: 1/4" = 1'-0"



RESTROOM 155 EAST

J ELEVATION

SCALE: 1/4" = 1'-0"



RESTROOM 155 NORTH

I ELEVATION

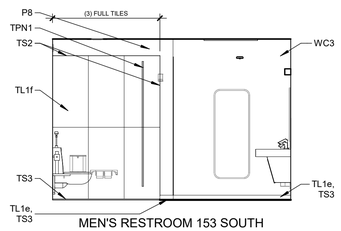
SCALE: 1/4" = 1'-0"

TOILET ACCESSORY SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	MODEL
CS1	SURFACE MOUNTED BABY CHANGING STATION	KOALA KARE	KB310-SSWM
CS2	SURFACE MOUNTED BABY CHANGING STATION	BRADLEY	962-11
GB1	42" HORIZONTAL GRAB BAR	BRADLEY	8B1-0014200 - No Hooks
GB2	18" VERTICAL GRAB BAR	BRADLEY	8B1-0011800 - No Hooks
GB3	36" HORIZONTAL GRAB BAR	BRADLEY	8B1-0013600 - No Hooks
GB4	36" HORIZONTAL GRAB BAR	BOBRICK	B-9806-36
GB5	42" HORIZONTAL GRAB BAR	BOBRICK	B-9806-42
GB6	18" VERTICAL GRAB BAR	BOBRICK	B-9806-18
HD1	HAND DRYER	BOBRICK	B-7179
M1	24" X 36" MIRROR	BRADLEY	7B1-0024360
M2	24" x 60" MIRROR	BRADLEY	7B1-5024600
M3	24" X 36" MIRROR	BOBRICK	B-290 2436
ND1	NAPKIN DISPOSAL - RECESSED	BRADLEY	4B2-000000
ND2	NAPKIN DISPOSAL - SURFACE MOUNTED	BRADLEY	4B2-110000
ND3	NAPKIN DISPOSAL - RECESSED	BOBRICK	B-35303
SD1	SOAP DISPENSER - SURFACE MOUNTED	BOBRICK	B-2012
TD1	TOILET PAPER DISPENSER WITH SHELF	BRADLEY	5B2-110089
TD2	TOILET PAPER DISPENSER - RECESSED	BOBRICK	B-35883
WH1	COAT HOOK	BRADLEY	9B1-110000
WR1	WASTE RECEPTACLE - SEMI-RECESSED	BRADLEY	3B1-100000
WR2	WASTE RECEPTACLE	BOBRICK	B-9279

GENERAL NOTES

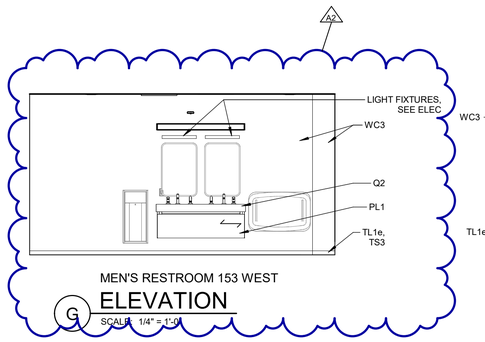
1. REFER TO A001 FOR MOUNTING HEIGHT.



MEN'S RESTROOM 153 SOUTH

H ELEVATION

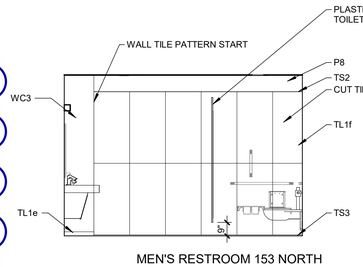
SCALE: 1/4" = 1'-0"



MEN'S RESTROOM 153 WEST

G ELEVATION

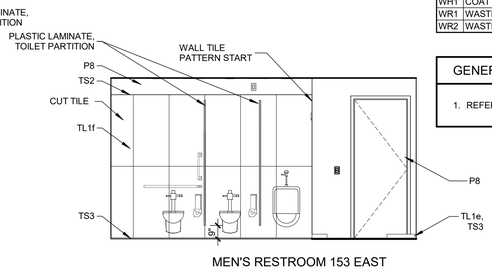
SCALE: 1/4" = 1'-0"



MEN'S RESTROOM 153 NORTH

F ELEVATION

SCALE: 1/4" = 1'-0"



MEN'S RESTROOM 153 EAST

E ELEVATION

SCALE: 1/4" = 1'-0"

WOMEN'S RESTROOM 154 EAST

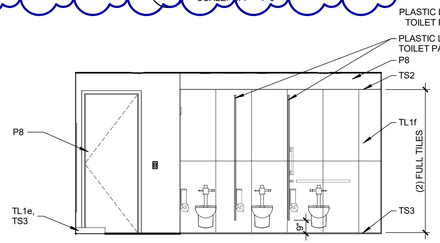
D ELEVATION

SCALE: 1/4" = 1'-0"

WOMEN'S RESTROOM 154 SOUTH

C ELEVATION

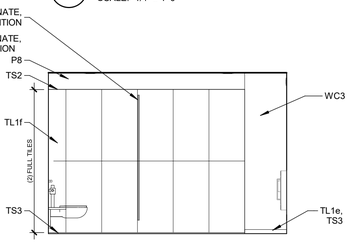
SCALE: 1/4" = 1'-0"



WOMEN'S RESTROOM 154 WEST

B ELEVATION

SCALE: 1/4" = 1'-0"



WOMEN'S RESTROOM 154 NORTH

A ELEVATION

SCALE: 1/4" = 1'-0"

LAKE HALL

1 ENLARGED PLAN

SCALE: 1/4" = 1'-0"

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	IOLKHOVESKA
Designer	IELHENNAWY
Reviewer	WLRAPSON
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.

2500281

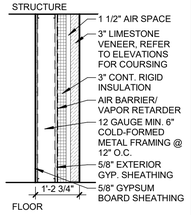
SHEET NO.

A341

©Copyright 2026
All Rights Reserved

PLOT INFO: 10/27/2026 2:56:45 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_A_2500281.rvt

EXTERIOR WALL TYPES



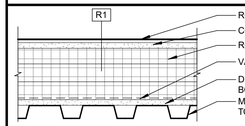
CONSTRUCTION LEGEND

REFER TO ACOUSTICAL WALL LEGEND FOR WALLS WITH 'A' SUFFIX

EX1

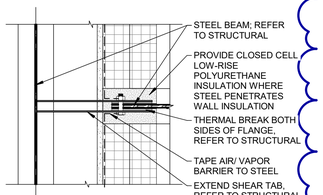
TYPE CHART		
TAG	STUD SIZE	TOTAL WIDTH
EX1	6"	1' - 2 3/4"

ROOF TYPES



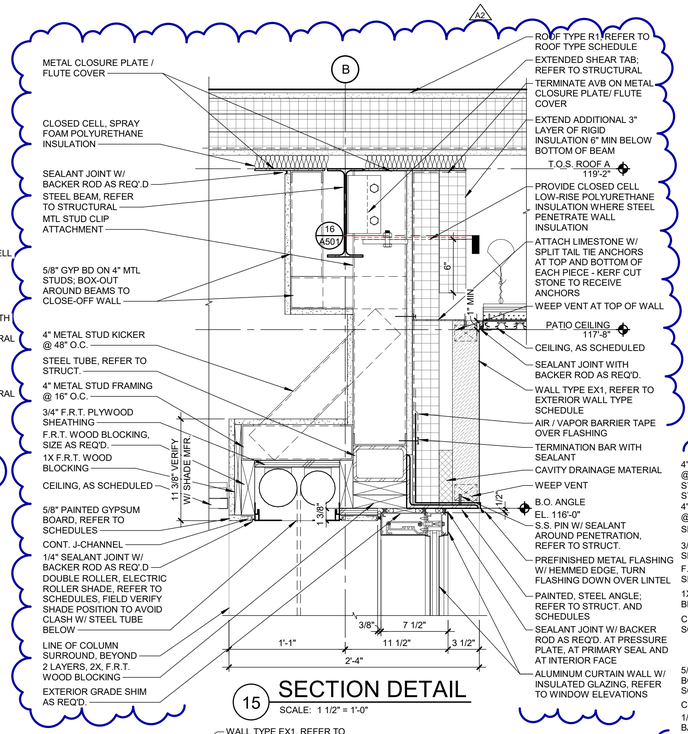
ROOF TYPE R1

SCALE: 1 1/2" = 1'-0"



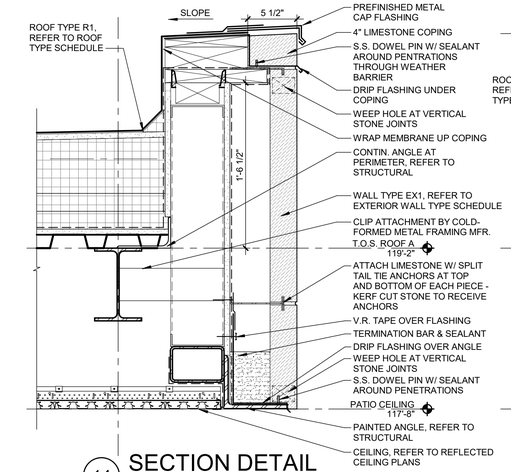
16 SECTION DETAIL

SCALE: 1 1/2" = 1'-0"



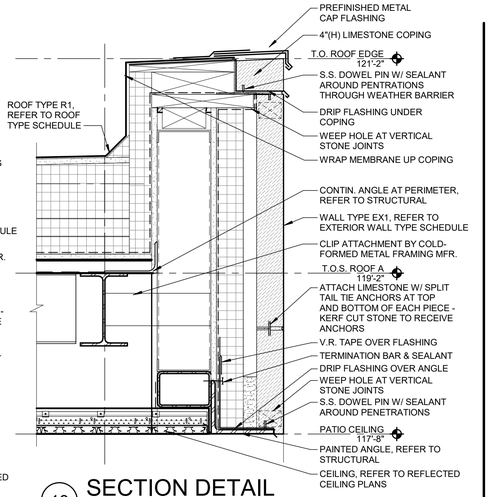
15 SECTION DETAIL

SCALE: 1 1/2" = 1'-0"



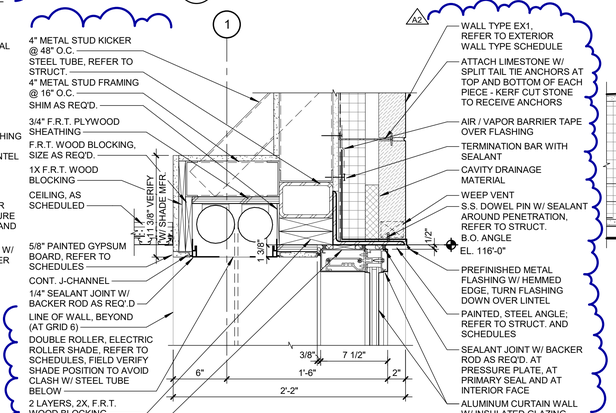
14 SECTION DETAIL

SCALE: 1 1/2" = 1'-0"



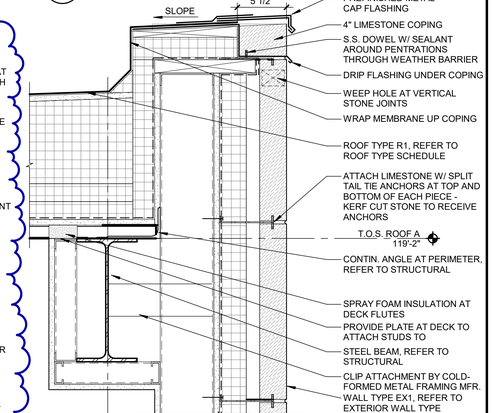
13 SECTION DETAIL

SCALE: 1 1/2" = 1'-0"



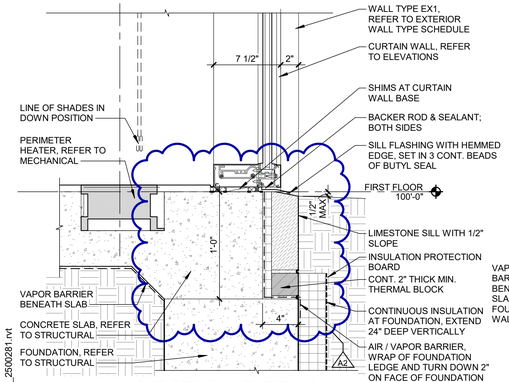
12 SECTION DETAIL

SCALE: 1 1/2" = 1'-0"



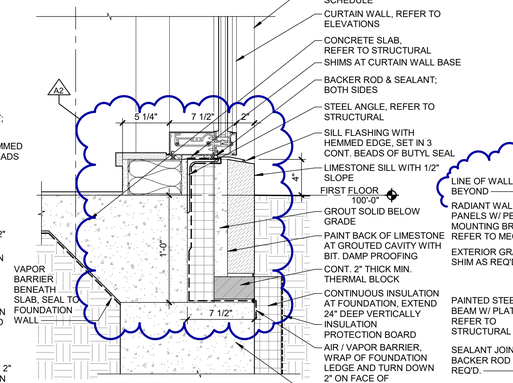
11 SECTION DETAIL

SCALE: 1 1/2" = 1'-0"



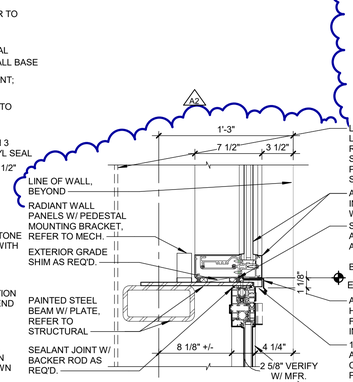
10 SECTION DETAIL

SCALE: 1 1/2" = 1'-0"



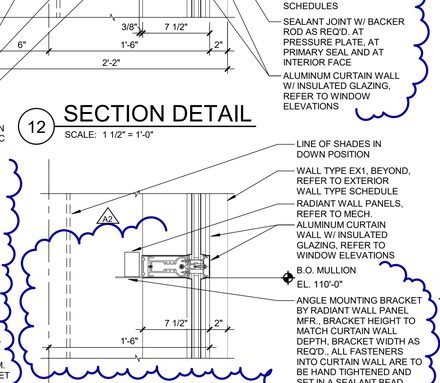
9 SECTION DETAIL

SCALE: 1 1/2" = 1'-0"



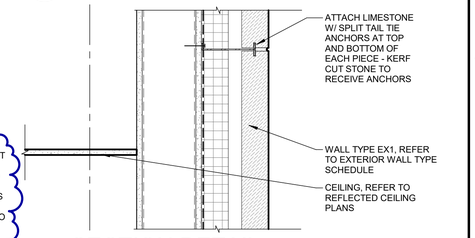
8 SECTION DETAIL

SCALE: 1 1/2" = 1'-0"



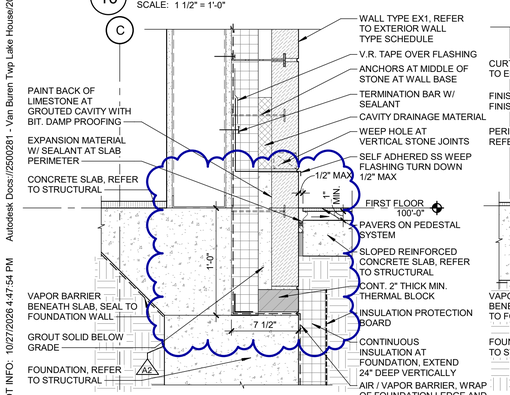
7 SECTION DETAIL

SCALE: 1 1/2" = 1'-0"



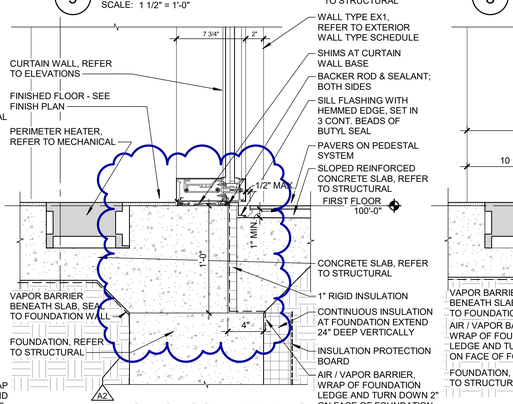
6 SECTION DETAIL

SCALE: 1 1/2" = 1'-0"



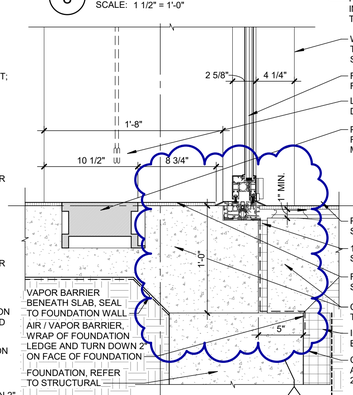
5 SECTION DETAIL

SCALE: 1 1/2" = 1'-0"



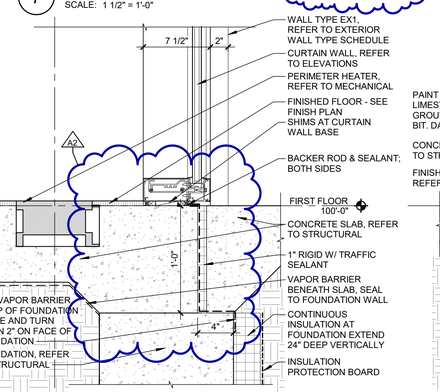
4 SECTION DETAIL

SCALE: 1 1/2" = 1'-0"



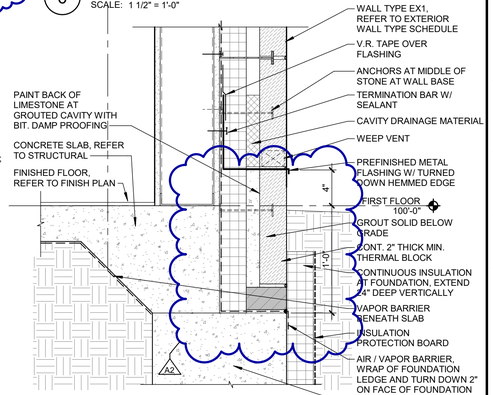
3 SECTION DETAIL

SCALE: 1 1/2" = 1'-0"



2 SECTION DETAIL

SCALE: 1 1/2" = 1'-0"



1 SECTION DETAIL

SCALE: 1 1/2" = 1'-0"

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS		
10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	NGEERS
Designer	LFINNEY
Reviewer	WLRAPSON
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.

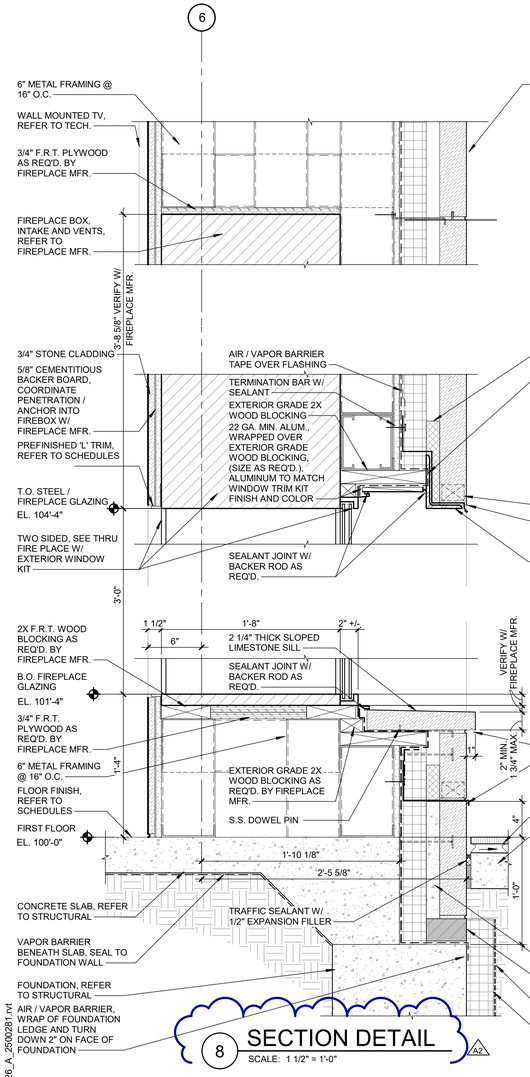
2500281

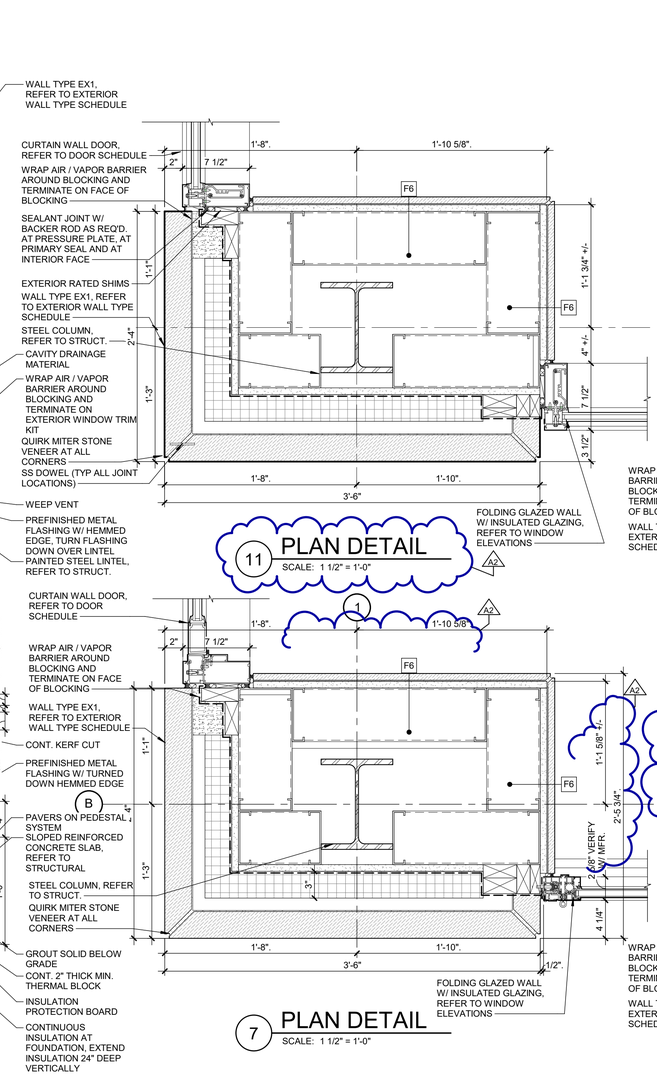
SHEET NO.

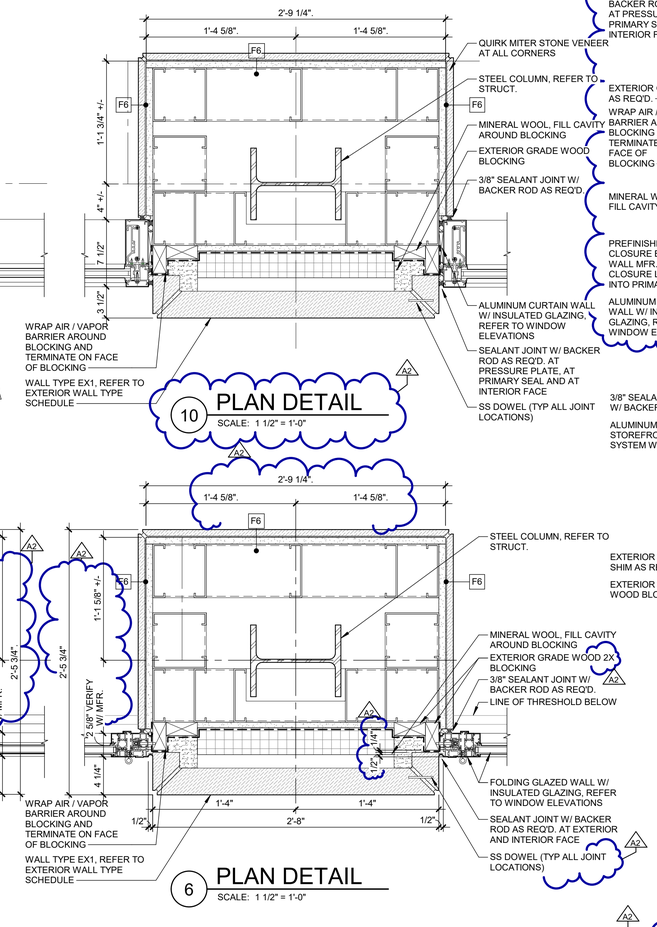
A501

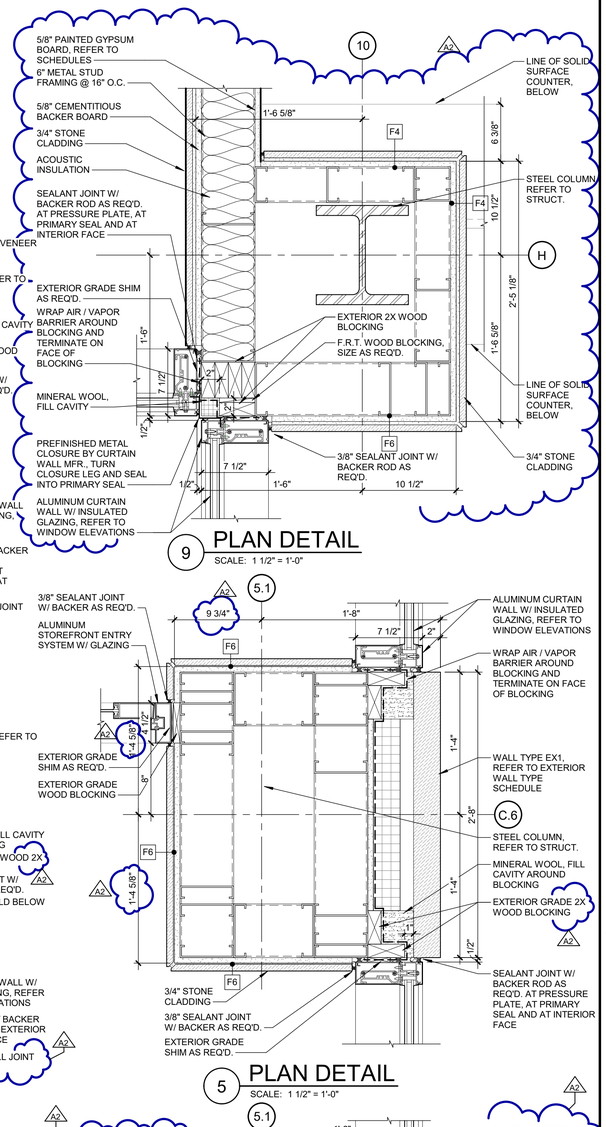
©Copyright 2026
All Rights Reserved

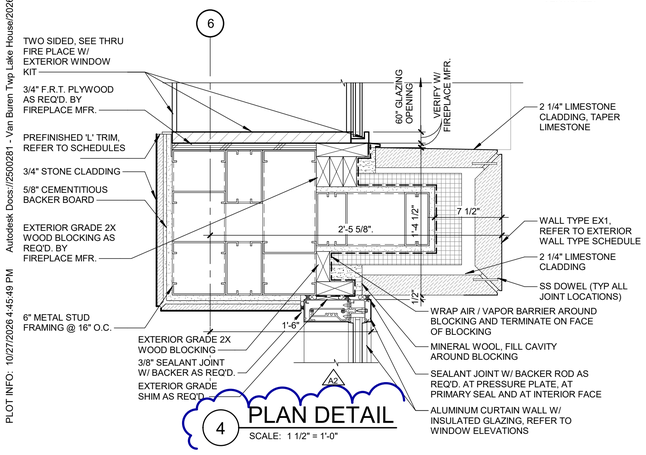
PLOT INFO: 10/27/2026 4:47:54 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_A_2500281.rvt

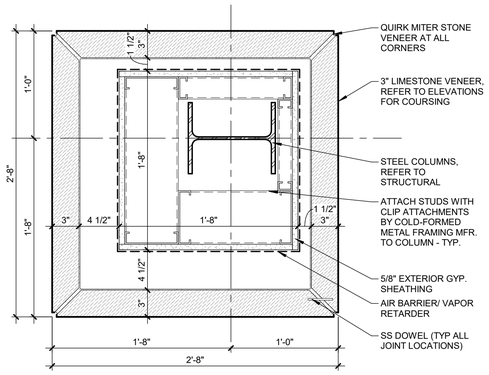


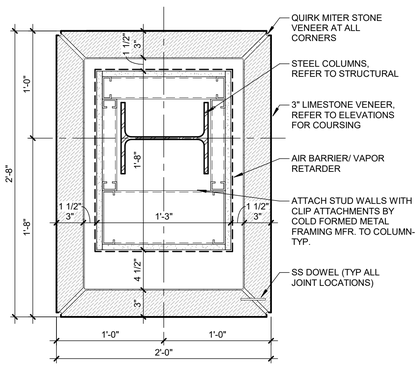












fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS		
10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	NGEERS
Designer	LFINNEY
Reviewer	WLRAPSON
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.

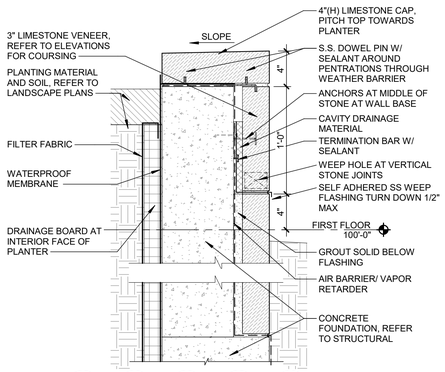
2500281

SHEET NO.

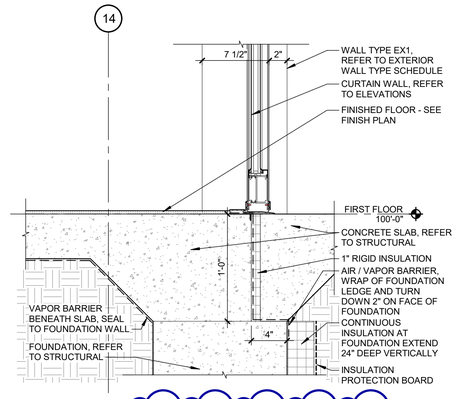
A502

©Copyright 2026
All Rights Reserved

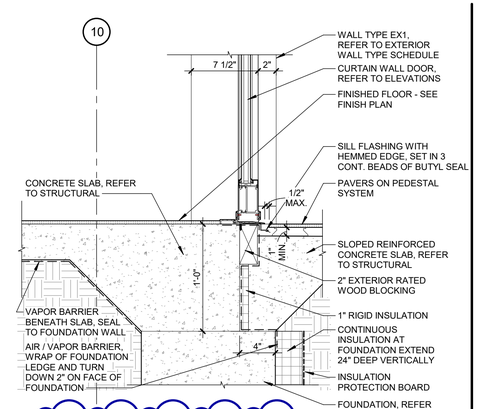
PLOT INFO: 10/27/2026 4:45:49 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_A_2500281.rvt



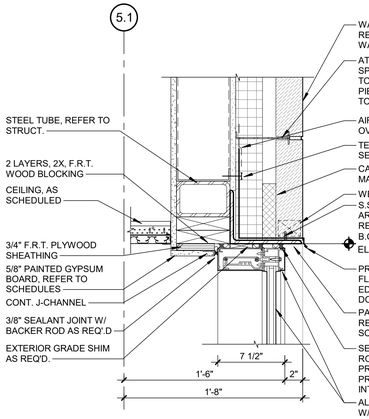
12 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



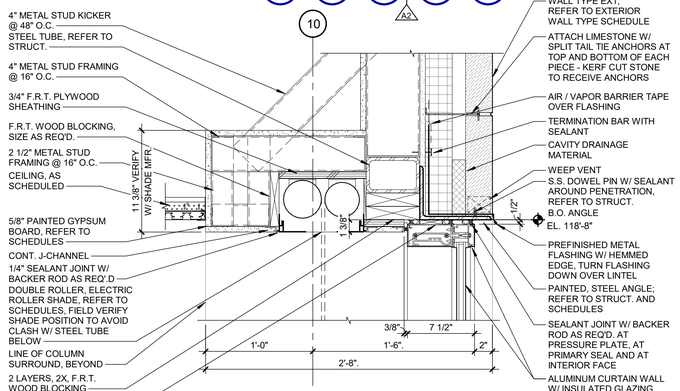
11 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



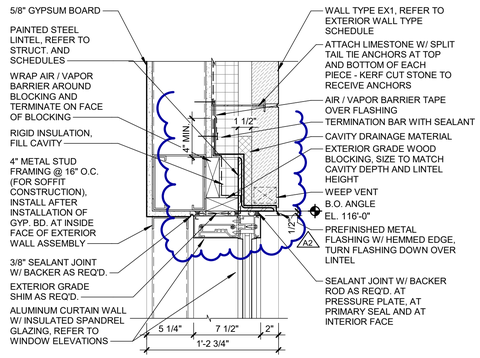
10 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



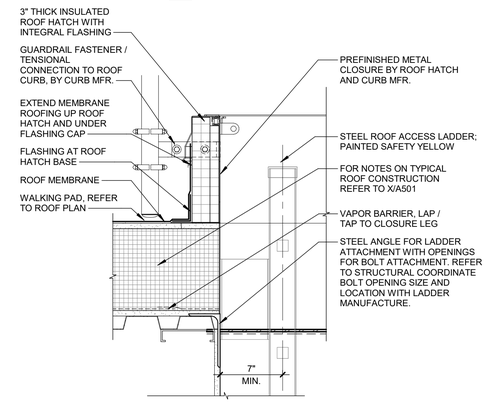
9 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



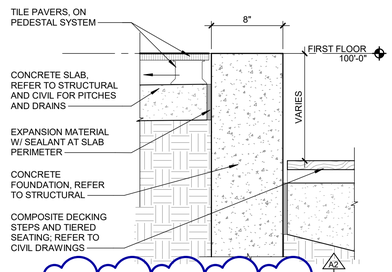
8 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



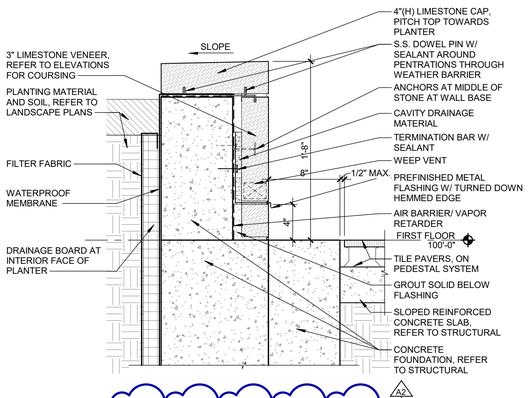
7 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



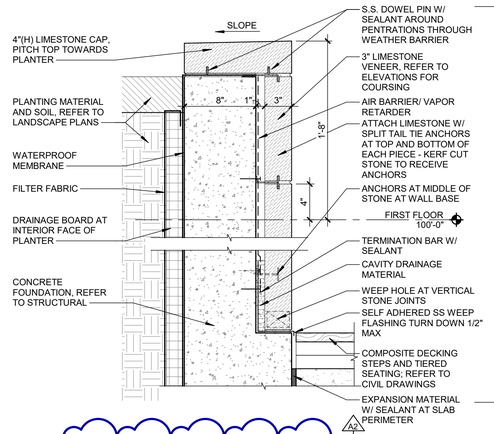
3 LADDER SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



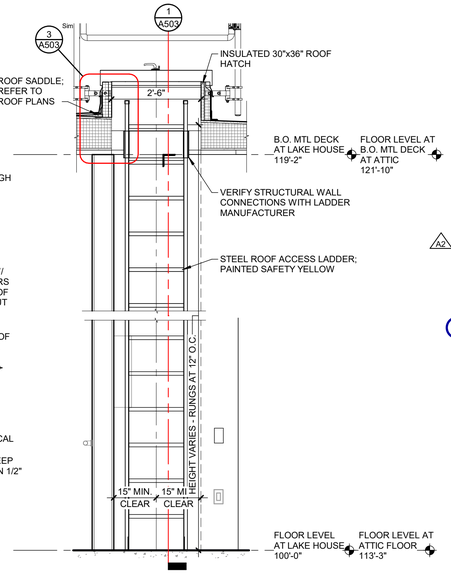
6 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



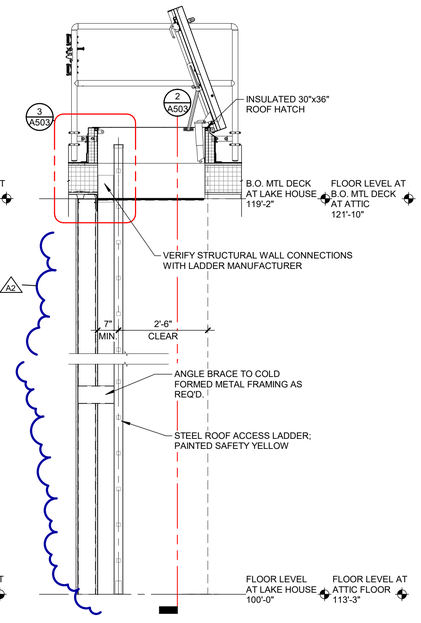
5 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



4 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



2 LADDER ELEVATION
SCALE: 1/2" = 1'-0"



1 LADDER SECTION
SCALE: 1/2" = 1'-0"

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	NGEERS
Designer	LFINNEY
Reviewer	WLRAPSON
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.

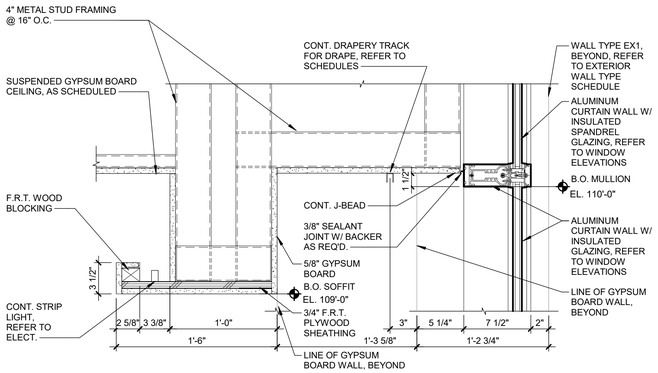
2500281

SHEET NO.

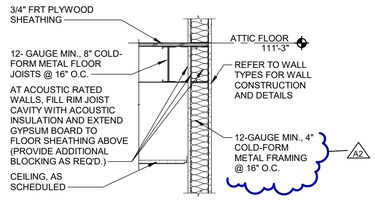
A503

©Copyright 2026
All Rights Reserved

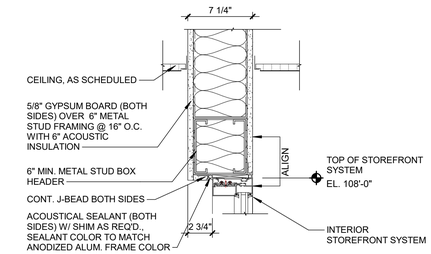
PLOT INFO: 10/27/2026 4:46:55 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_A_2500281.rvt



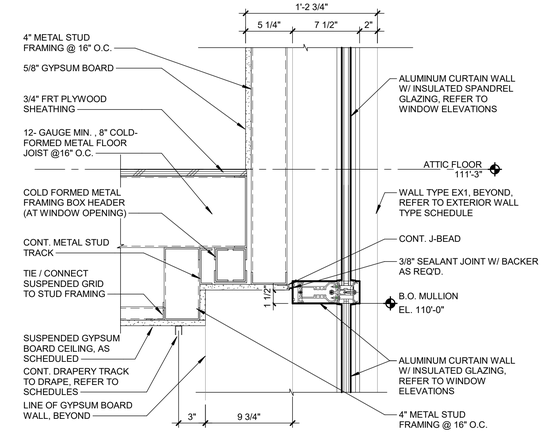
9 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



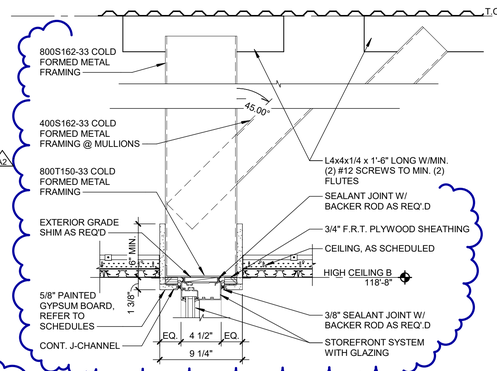
10 SECTION DETAIL
SCALE: 3/4" = 1'-0"



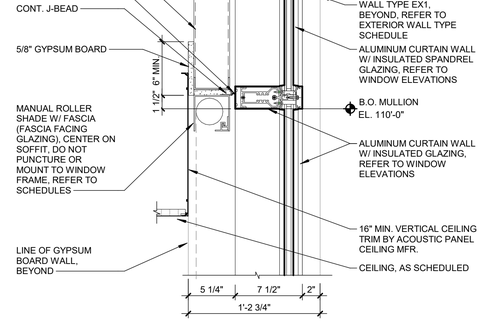
8 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



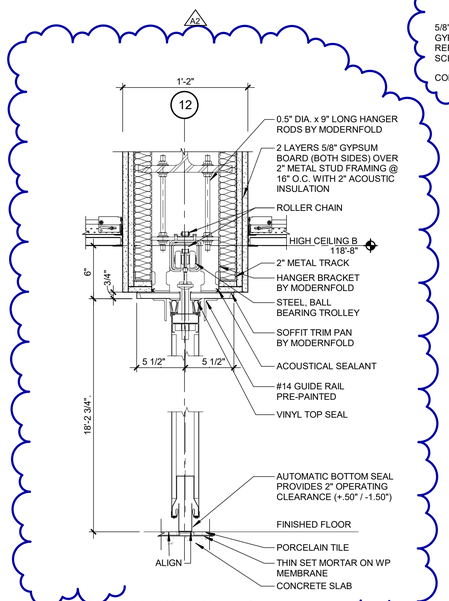
7 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



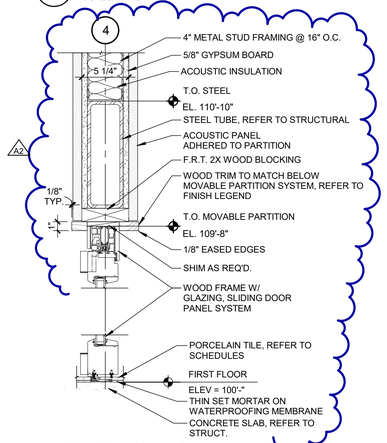
6 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



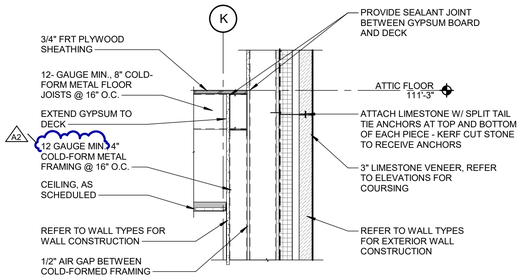
5 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



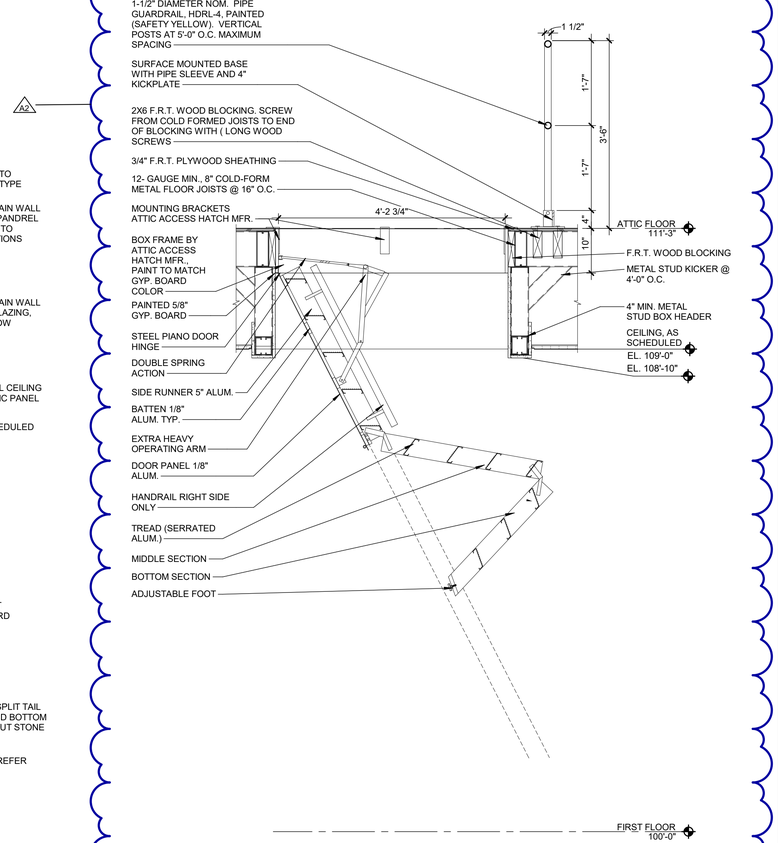
4 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



3 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



2 SECTION DETAIL
SCALE: 3/4" = 1'-0"



1 SECTION DETAIL
SCALE: 3/4" = 1'-0"

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	IOLKHOVESKA
Designer	LFINNEY
Reviewer	WLRAPSON
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.

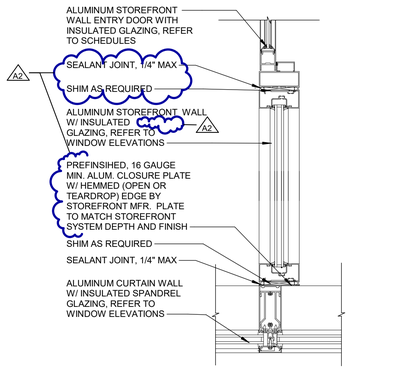
2500281

SHEET NO.

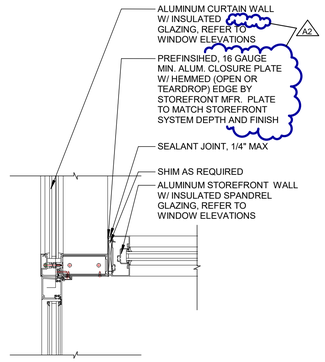
A521

©Copyright 2026
All Rights Reserved

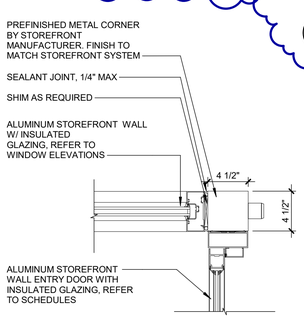
PLOT INFO: 10/27/2026 2:57:12 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_A_2500281.rvt



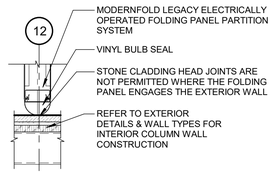
16 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



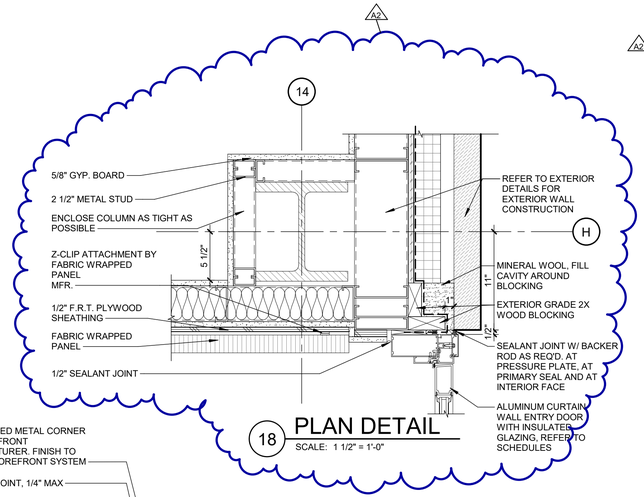
15 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



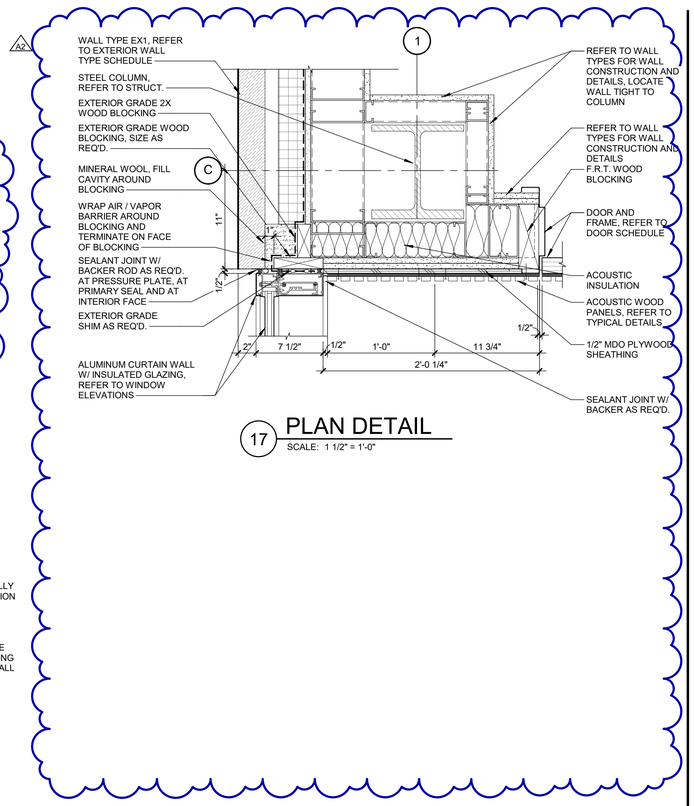
14 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



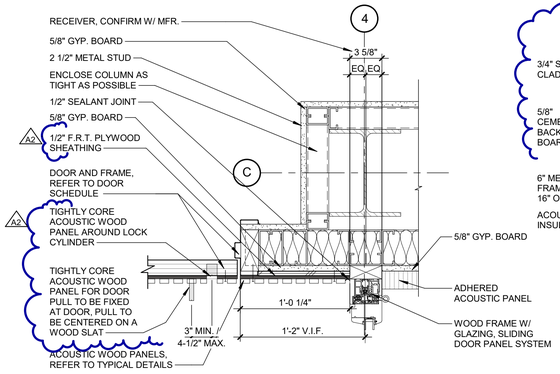
13 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



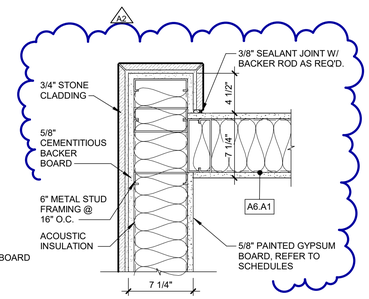
18 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



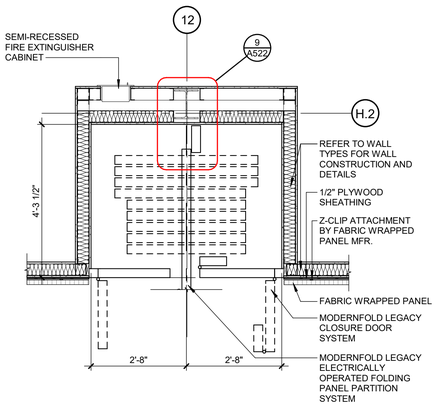
17 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



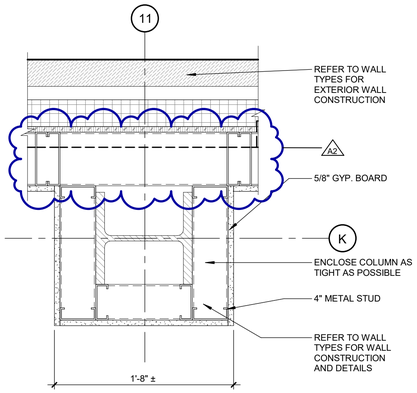
5 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



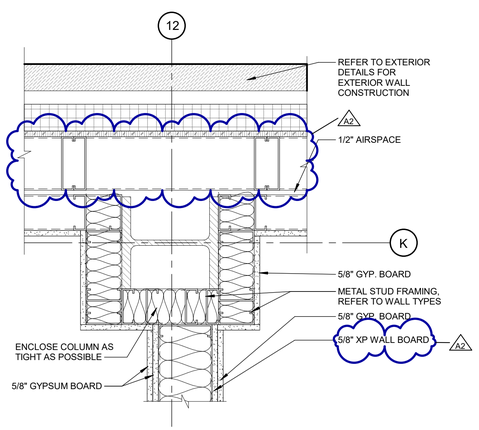
4 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



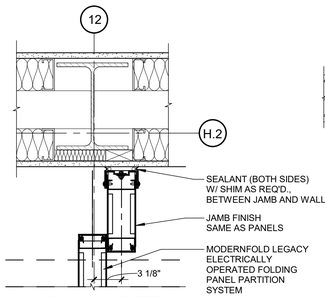
3 PLAN DETAIL
SCALE: 1/2" = 1'-0"



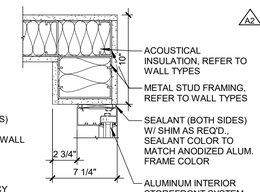
2 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



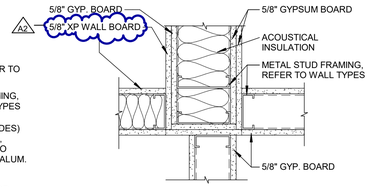
1 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



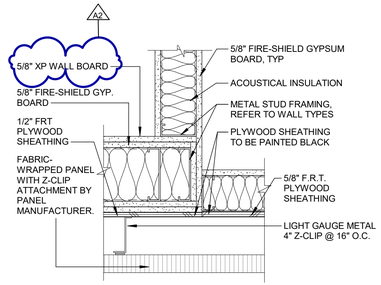
9 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



8 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



7 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



6 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	IOLKHOVESKA
Designer	LFINNEY
Reviewer	WLRAPSON
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.

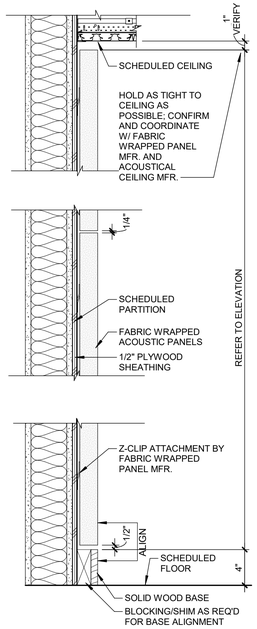
2500281

SHEET NO.

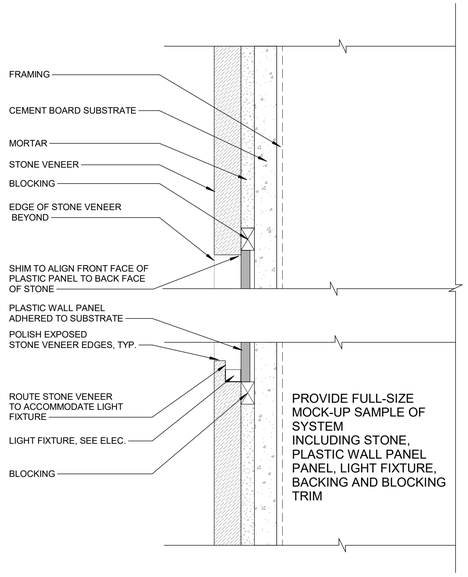
A522

©Copyright 2026
All Rights Reserved

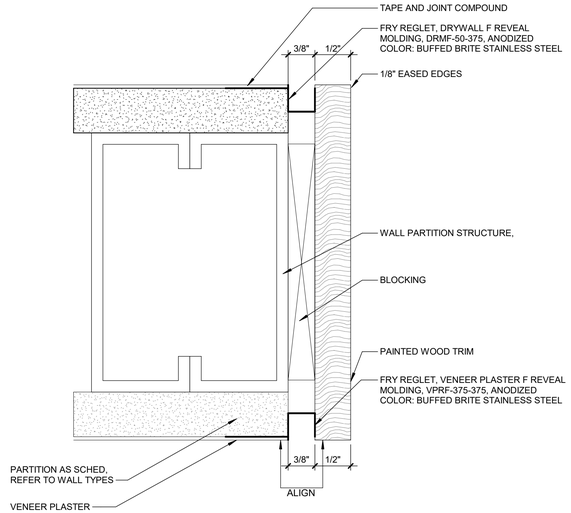
PLOT INFO: 10/27/2026 3:06:15 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_A_2500281.rvt



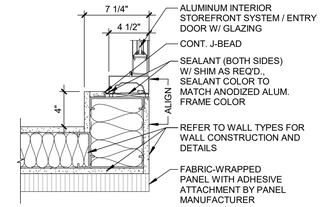
10 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



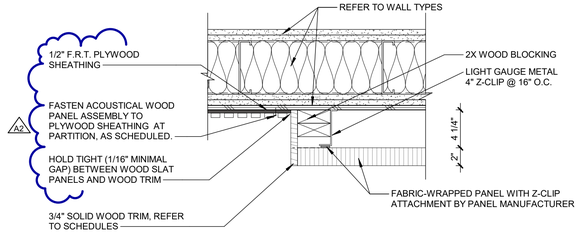
9 SECTION DETAIL
SCALE: 6" = 1'-0"



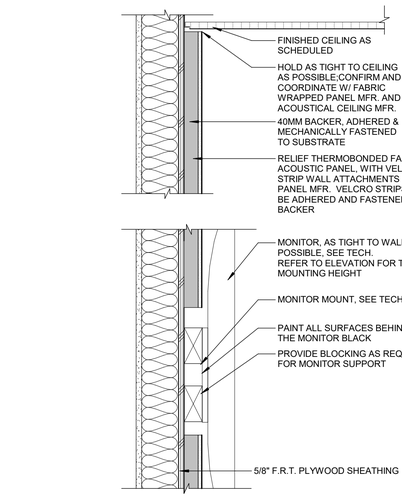
8 PLAN DETAIL
SCALE: 12" = 1'-0"



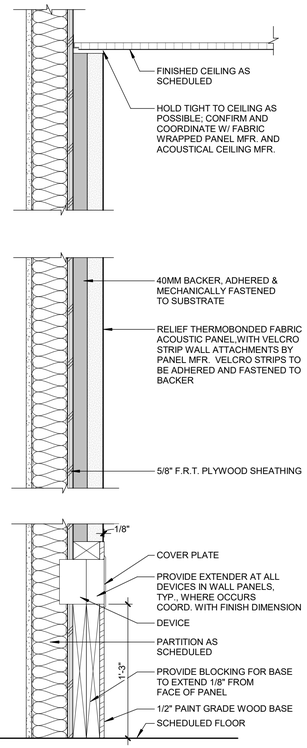
11 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



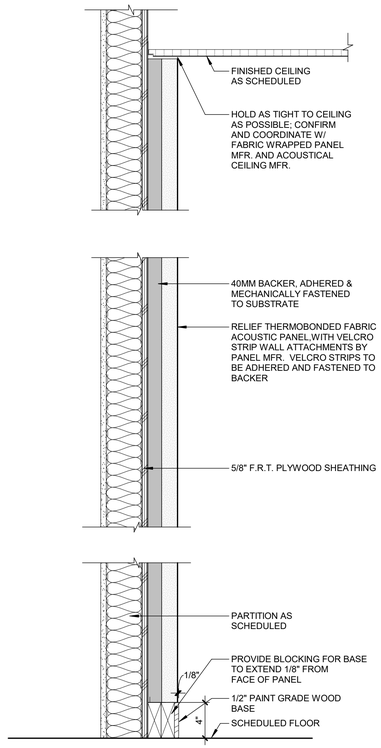
7 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



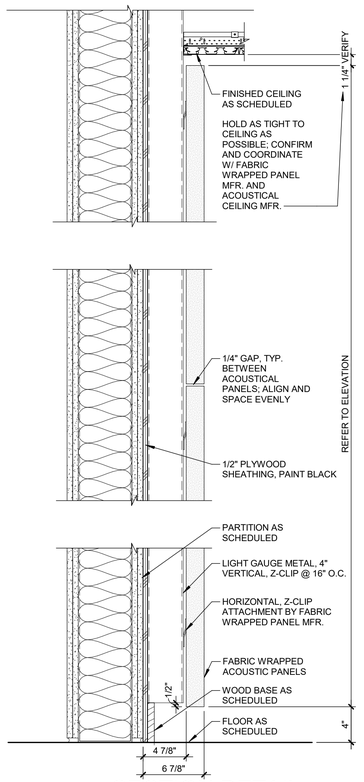
5 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



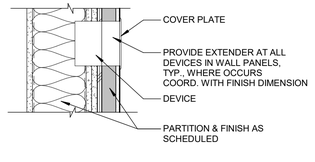
4 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



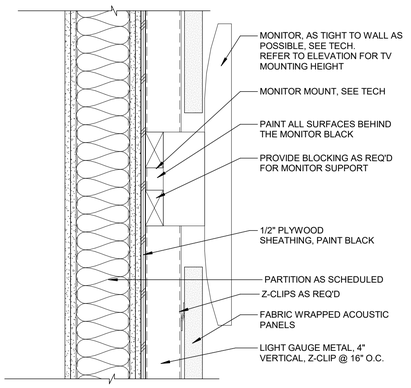
3 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



2 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



6 TYPICAL DEVICE OPENING
SCALE: 1 1/2" = 1'-0"



1 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"

PLOT INFO: 10/27/2026 2:57:18 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_A_2500281.rvt

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

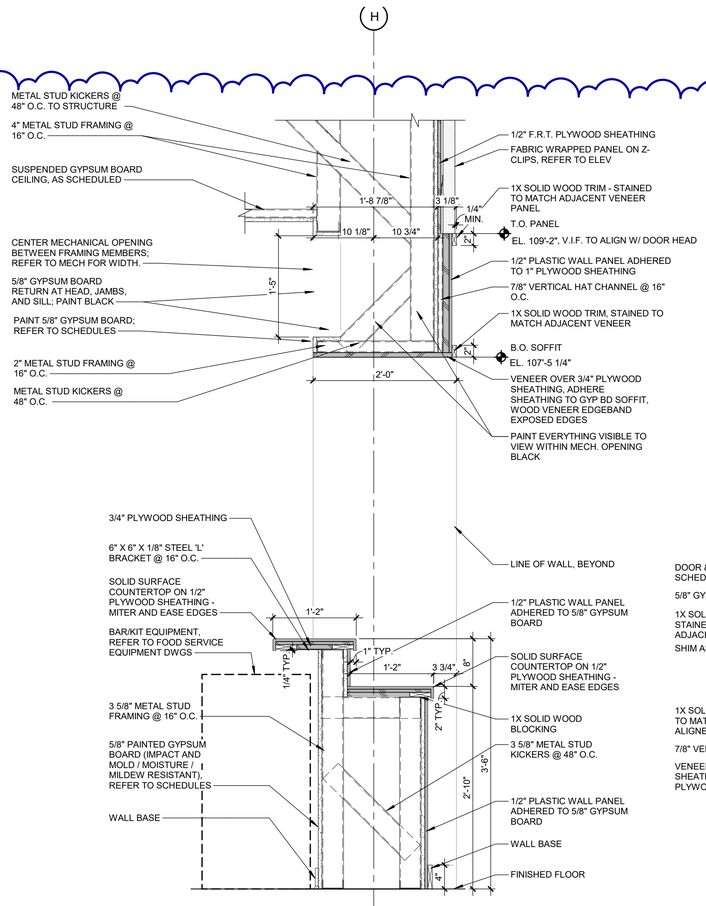
Drawn By	IOLKHOVESKA
Designer	LFINNEY
Reviewer	WLRAPSON
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

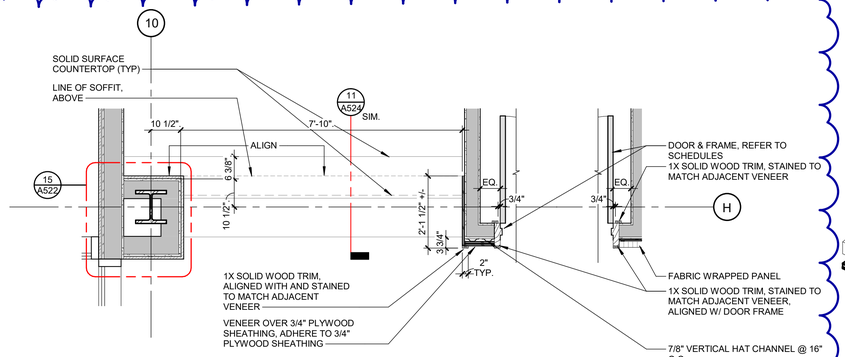
SHEET NO.
A523

©Copyright 2026
All Rights Reserved



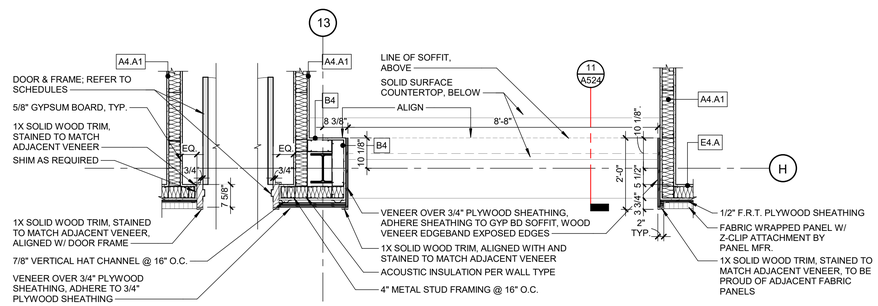
11 MILLWORK SECTION
SCALE: 1" = 1'-0"

10 ENLARGED PLAN
SCALE: 1/2" = 1'-0"



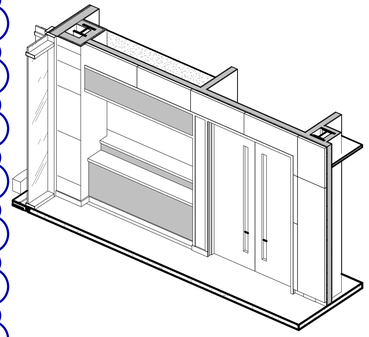
LAKE HALL BAR 167

13 ENLARGED PLAN
SCALE: 1/2" = 1'-0"

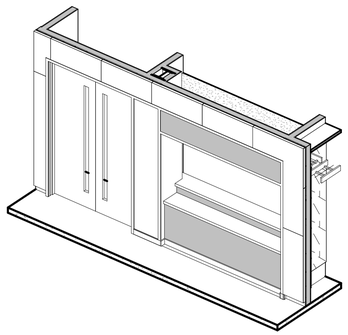


LAKE HALL BAR 165

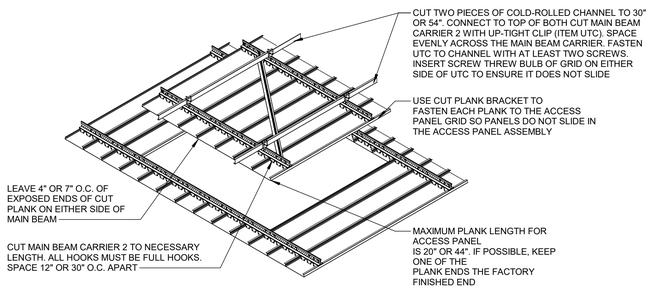
10 ENLARGED PLAN
SCALE: 1/2" = 1'-0"



12 BAR 167 - ISO
SCALE:

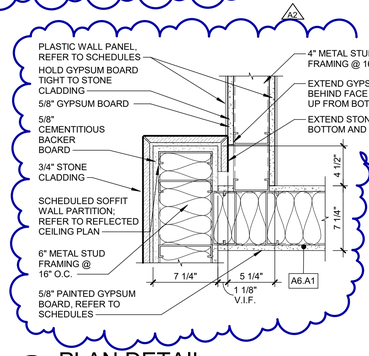


9 BAR 165 - ISO
SCALE:

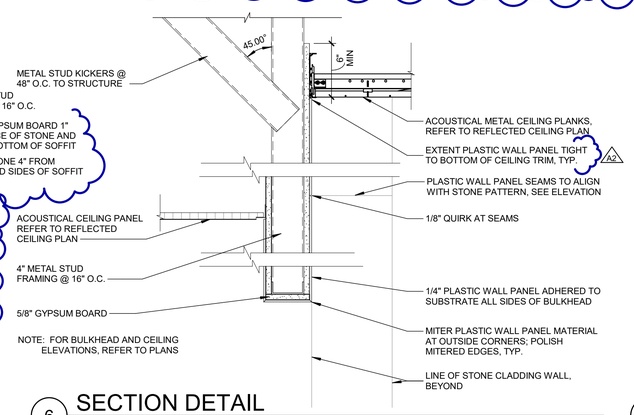


METAL PLANK CEILING ACCESS PANEL

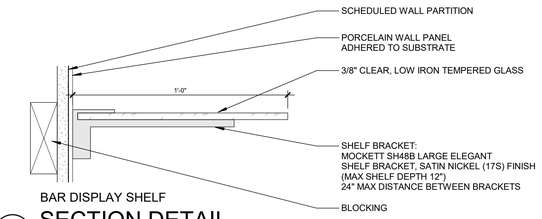
8 TYPICAL DETAIL
SCALE: NOT TO SCALE



7 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"

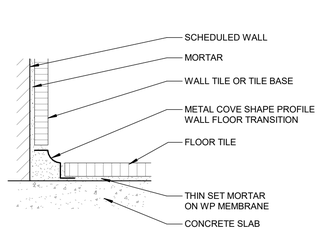


6 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



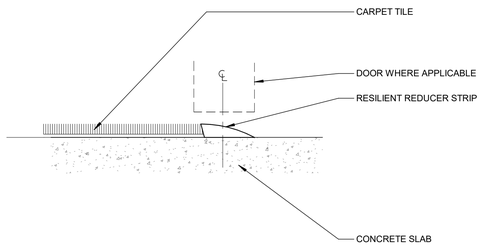
BAR DISPLAY SHELF

5 SECTION DETAIL
SCALE: 3" = 1'-0"



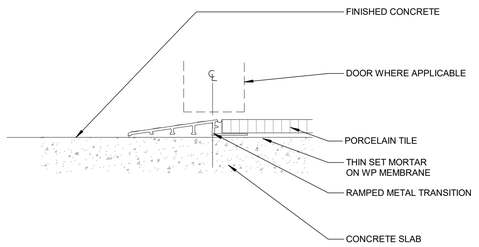
TYPICAL TILE COVE TRANSITION, TS3

4 DETAIL
SCALE: 6" = 1'-0"



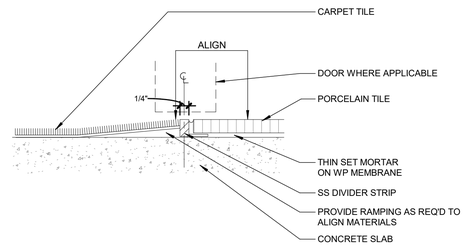
TYPICAL CPT/CONC TRANSITION, TS5

3 DETAIL
SCALE: 6" = 1'-0"



TYPICAL TILE/CONC TRANSITION, TS4

2 DETAIL
SCALE: 6" = 1'-0"



TYPICAL TILE/CARPET OR VCT TRANSITION, TS1

1 DETAIL
SCALE: 6" = 1'-0"

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS		
10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	IOLKHOVESKA
Designer	LFINNEY
Reviewer	WLRAPSON
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.

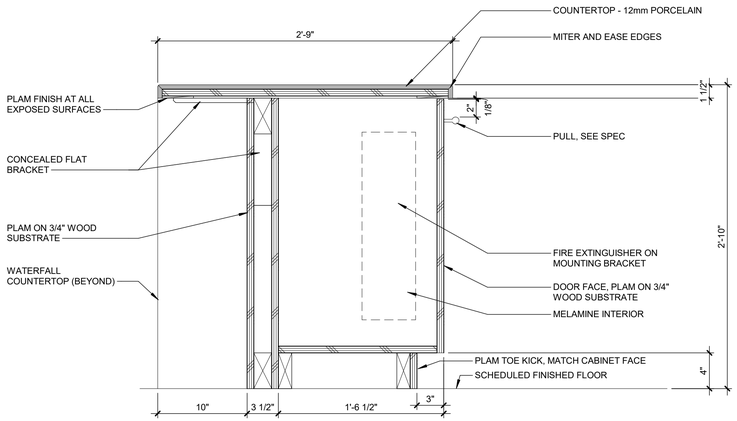
2500281

SHEET NO.

A524

©Copyright 2026
All Rights Reserved

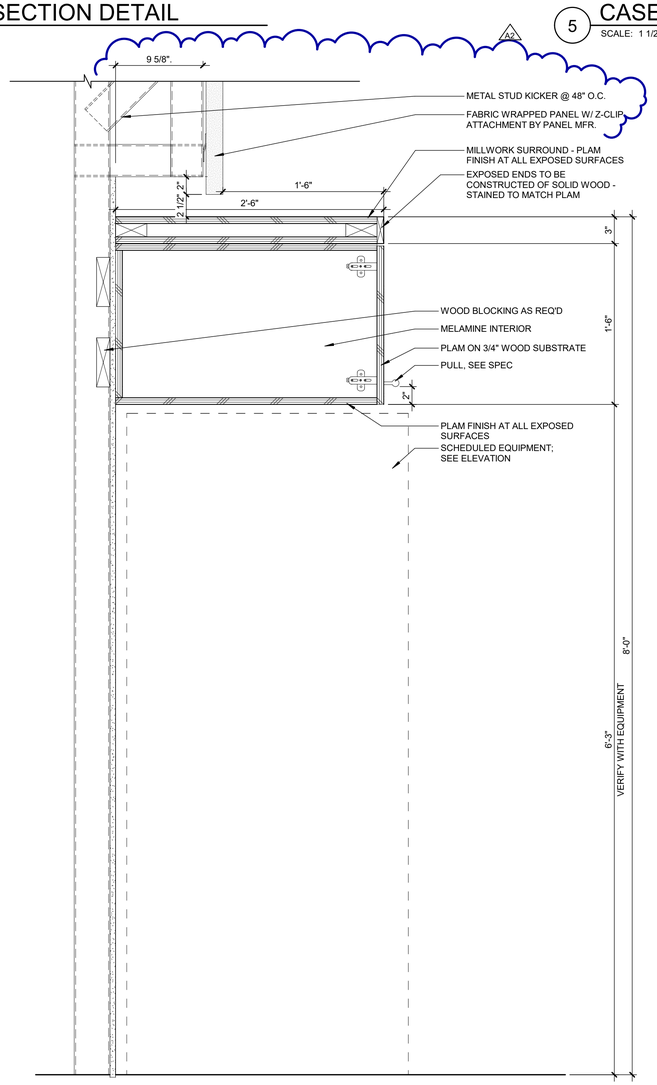
PLOT INFO: 10/27/2026 2:57:20 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_A_2500281.rvt



BASE CABINET AT ISLAND - FIRE EXTINGUISHER

6 CASEWORK SECTION DETAIL

SCALE: 1 1/2" = 1'-0"



REFIGERATOR UPPER CABINET

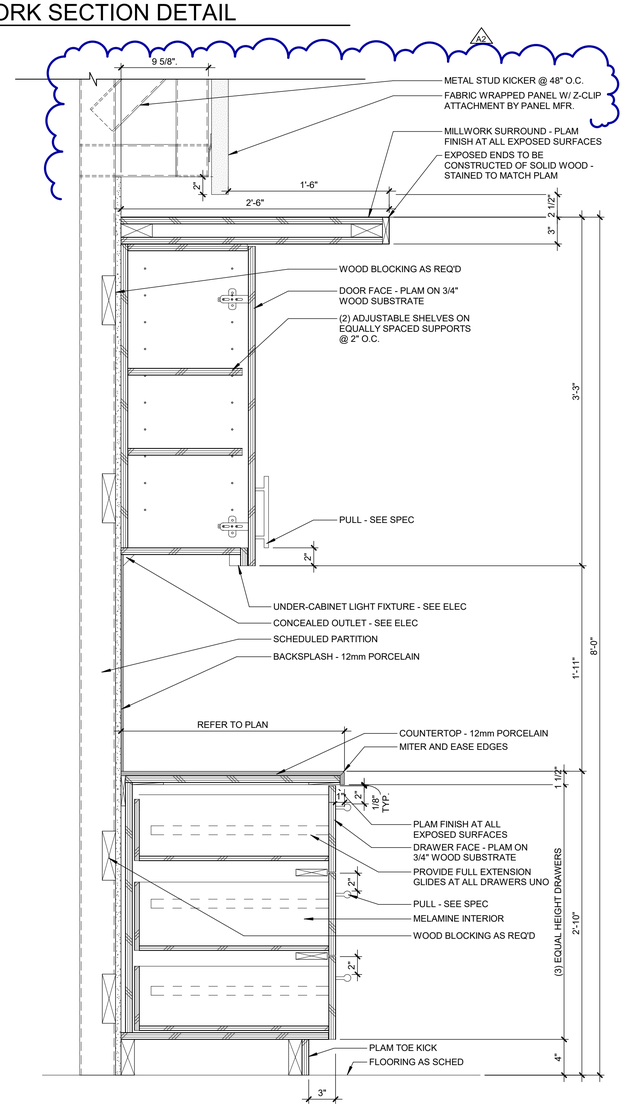
3 CASEWORK SECTION DETAIL

SCALE: 1 1/2" = 1'-0"

BASE CABINET AT ISLAND - WASTE

5 CASEWORK SECTION DETAIL

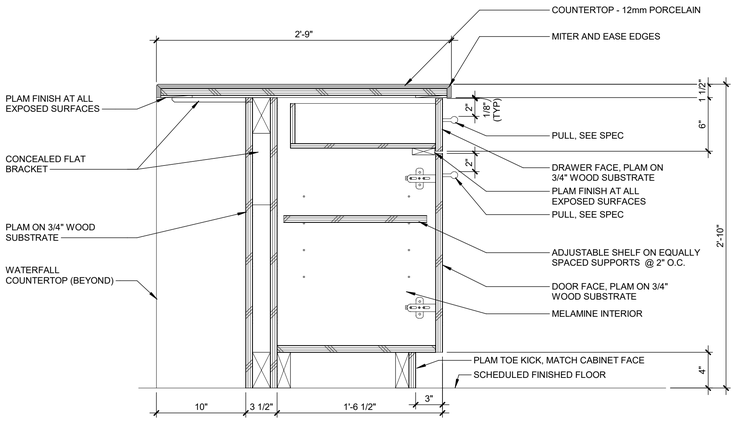
SCALE: 1 1/2" = 1'-0"



DRAWER BASE AND UPPER

2 CASEWORK SECTION DETAIL

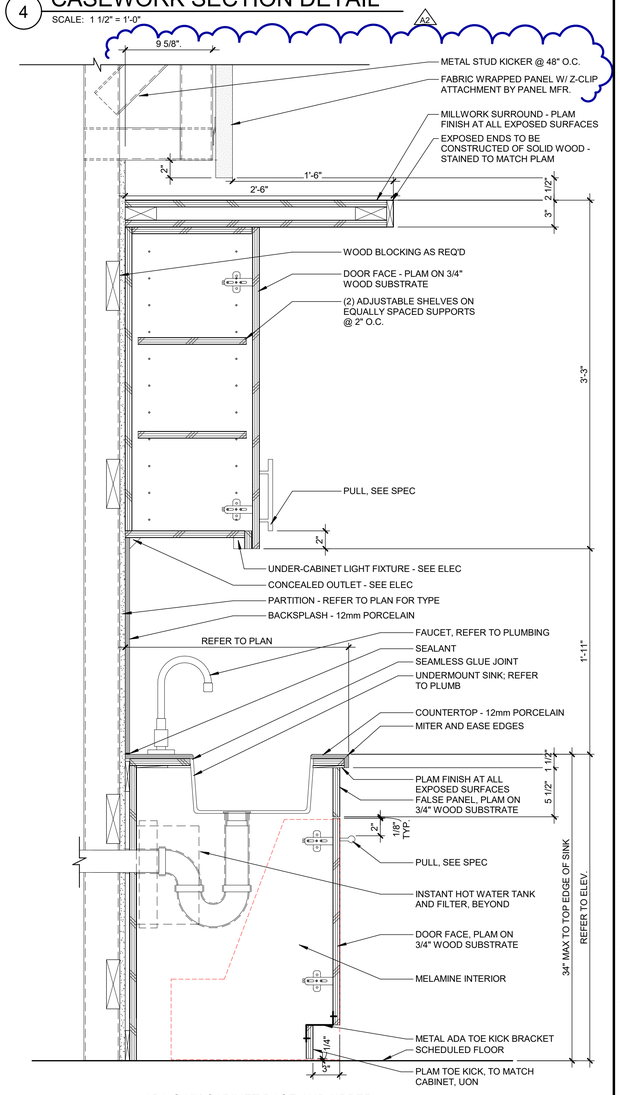
SCALE: 1 1/2" = 1'-0"



BASE CABINET AT ISLAND - TYPICAL DOOR/DRAWER

4 CASEWORK SECTION DETAIL

SCALE: 1 1/2" = 1'-0"



ADA SINK CABINET BASE AND UPPER

1 CASEWORK SECTION DETAIL

SCALE: 1 1/2" = 1'-0"

PLOT INFO: 10/27/2026 2:57:21 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_A_2500281.rvt

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	IOLKHOVESKA
Designer	IELHENNAWY
Reviewer	WLRAPSON
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

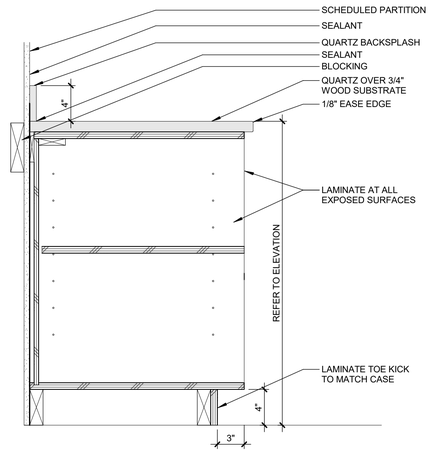
PROJECT NO.

2500281

SHEET NO.

A525

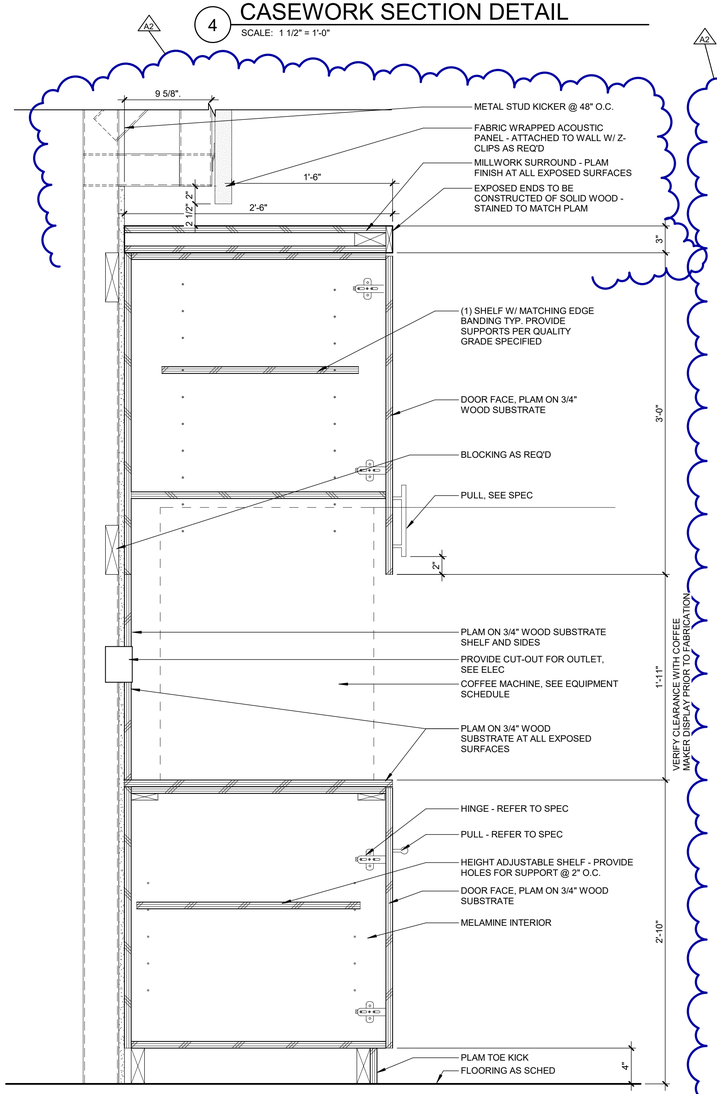
©Copyright 2026
All Rights Reserved



DRESSING CASEWORK COUNTER STORAGE

4 CASEWORK SECTION DETAIL

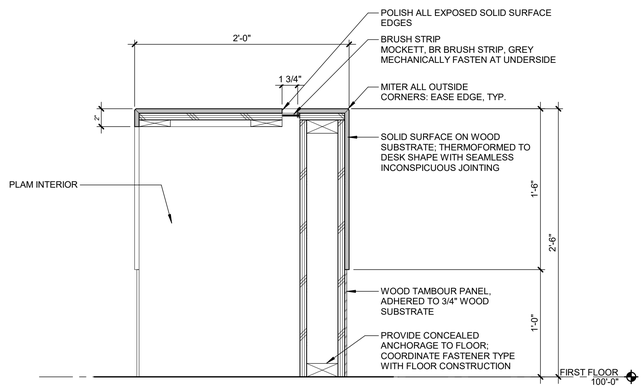
SCALE: 1 1/2" = 1'-0"



TALL COFFEE MAKER CABINET

2 CASEWORK SECTION DETAIL

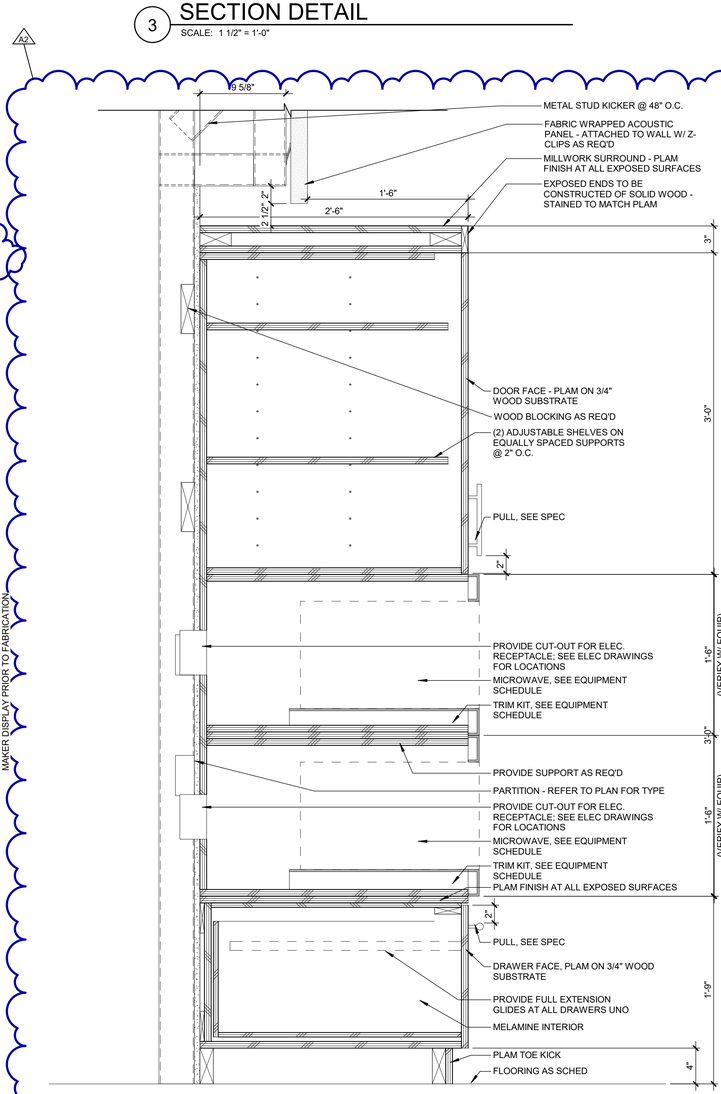
SCALE: 1 1/2" = 1'-0"



RECEPTION DESK

3 SECTION DETAIL

SCALE: 1 1/2" = 1'-0"



TALL MICROWAVE CABINET

1 CASEWORK SECTION DETAIL

SCALE: 1 1/2" = 1'-0"

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	IOLKHOVESKA
Designer	IELHENNAWY
Reviewer	WLRAPSON
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.

2500281

SHEET NO.

A526

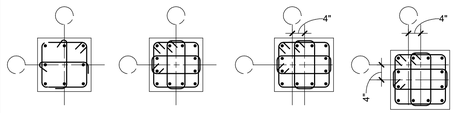
©Copyright 2026
All Rights Reserved

PLOT INFO: 10/27/2026 2:57:22 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_A_2500281.rvt

CONCRETE PIER SCHEDULE

MARK	SIZE W x L	VERTICAL REINFORCEMENT	TIES	TYPE	REMARKS
P1	22" x 22"	(8) #6	(3)#3@2" TOP #3@10" OC	A	
P2	26" x 26"	(12) #6	(3)#3@2" TOP #3@10" OC	B	
P3	32" x 24"	(12) #6	(3)#3@2" TOP #3@10" OC	C	SEE PLAN FOR OFFSET ORIENTATION
P4	32" x 32" A2	(12) #6	(3)#3@2" TOP #3@10" OC	D	SEE PLAN FOR OFFSET ORIENTATION
P5	24" x 24"	(8) #6	(3)#3@2" TOP #3@10" OC	A	

TYPES:



TYPE A TYPE B TYPE C TYPE D

BASE PLATE SCHEDULE

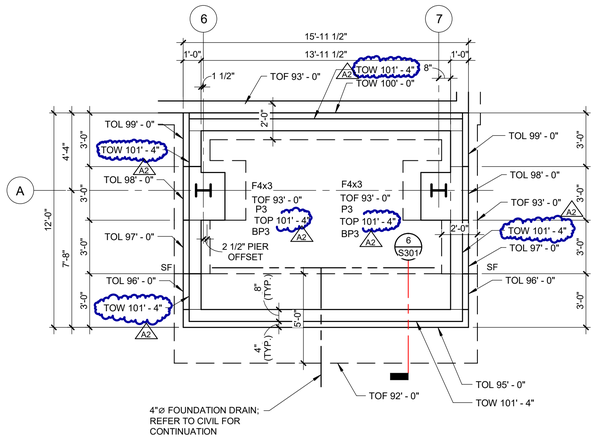
MARK	SIZE (WxL)	THICKNESS	ANCHOR DIA.	ANCHOR EMBED	DETAIL
BP1	16"x16"	3/4"	3/4"	9"	A
BP2	20"x20"	1 1/2"	1 1/2	24"	B
BP3	11"x11"	3/4"	3/4"	9"	C

FOOTING SCHEDULE

MARK	LENGTH	WIDTH	DEPTH	REINFORCEMENT
F4x3	3' - 4"	4' - 0"	1' - 0"	(5)#5 EACH WAY
F4	4' - 0"	4' - 0"	1' - 0"	(5)#5 EACH WAY
F5	5' - 0"	5' - 0"	1' - 0"	(6)#5 EACH WAY
F6	6' - 0"	6' - 0"	1' - 0"	(7)#5 EACH WAY
SKYRING	11' - 0"	16' - 10"	2' - 6"	TBD

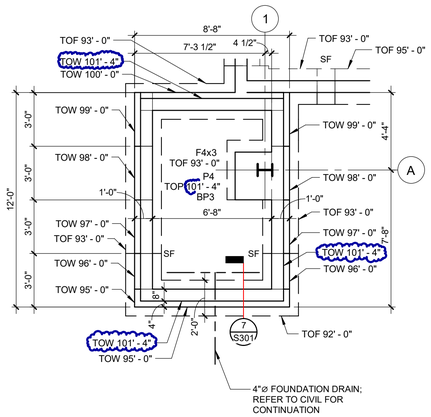
NOTES

1. TOP OF PIER ELEVATION = 99'-0", UNLESS NOTED OTHERWISE.
2. TOP OF FOOTING ELEVATION = 97'-0", UNLESS NOTED OTHERWISE.
3. TOP OF WALL ELEVATION = 99'-0" A2 UNLESS NOTED OTHERWISE.
4. REFER TO CIVIL AND ARCHITECTURAL FOR EXTERIOR SLABS AND STAIRS.



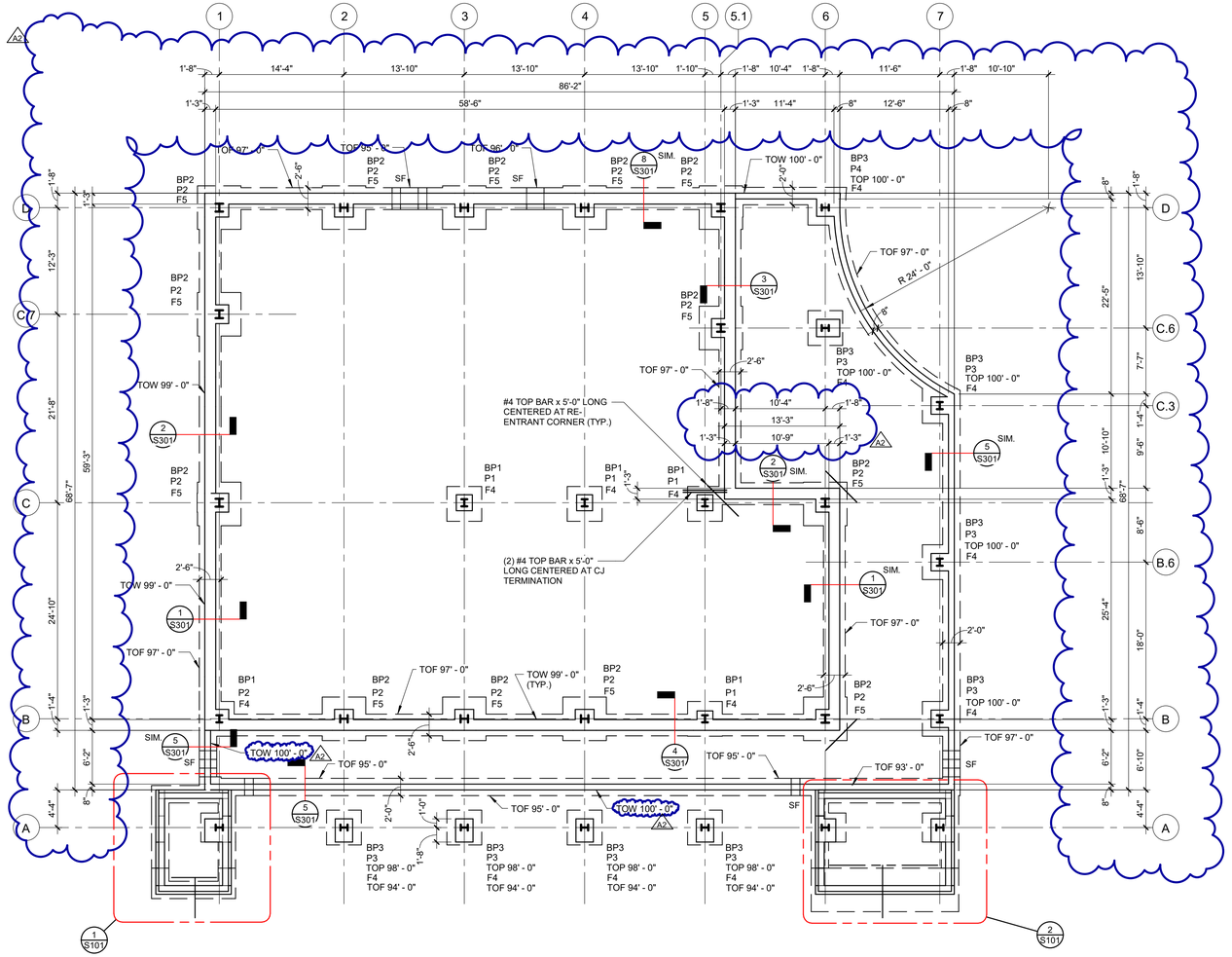
2 ENLARGED EAST FOUNDATION PLAN

SCALE: 1/4" = 1'-0"



1 ENLARGED WEST FOUNDATION PLAN

SCALE: 1/4" = 1'-0"

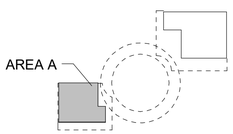


FOUNDATION PLAN - AREA A

SCALE: 1/8" = 1'-0"

NORTH

KEY PLAN



NORTH

PLOT INFO: 10/27/2026 10:34:15 AM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_S_2500281.rvt

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2022	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	RMEISSNER
Designer	JCARTER
Reviewer	CJOTTE
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

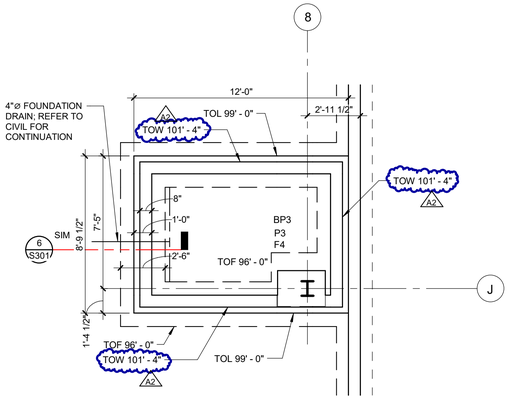
PROJECT NO.
2500281

SHEET NO.
S101

©Copyright 2026
All Rights Reserved

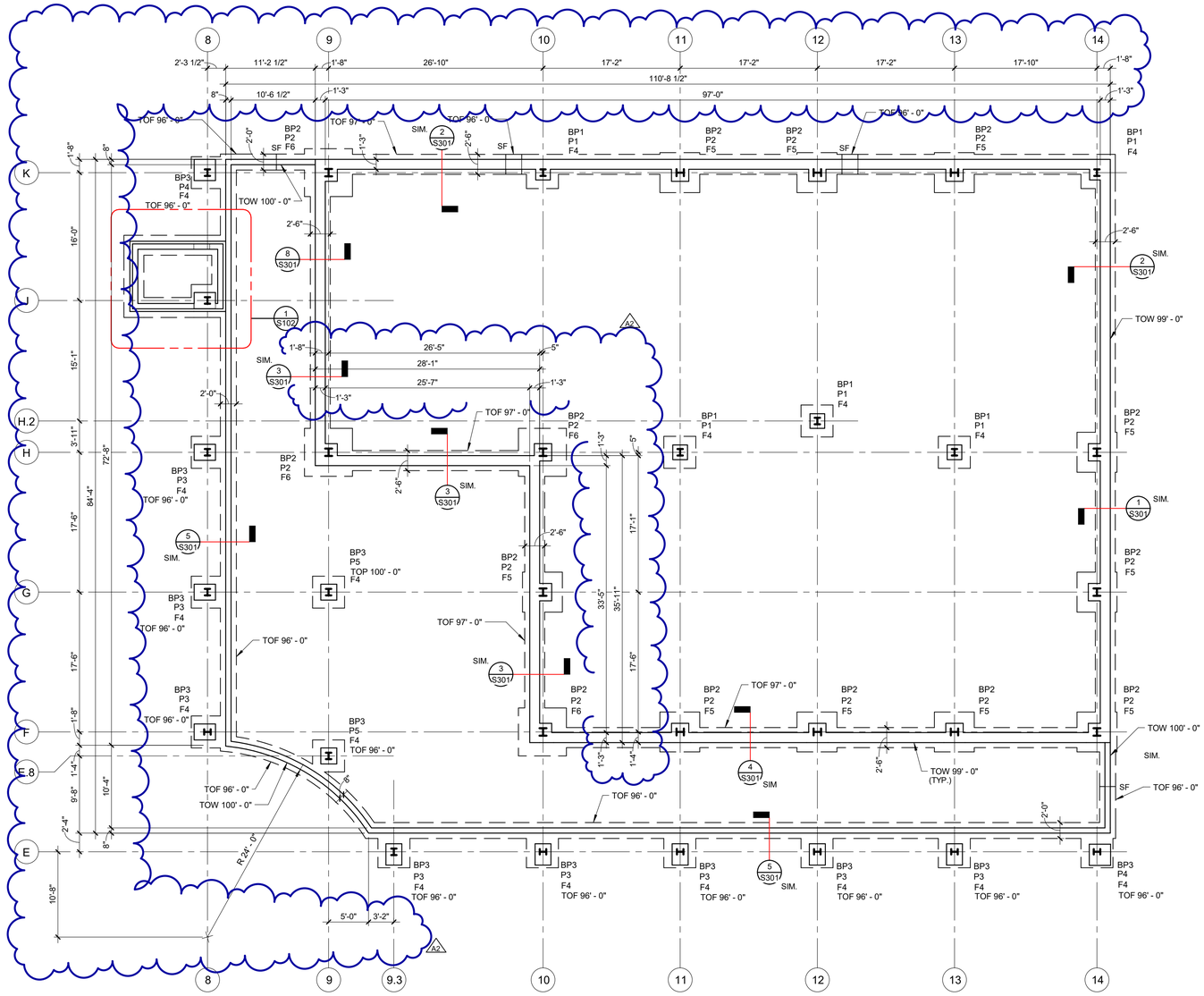
NOTES

1. TOP OF PIER ELEVATION = 99'-0", UNLESS NOTED OTHERWISE.
2. TOP OF FOOTING ELEVATION = 97'-0", UNLESS NOTED OTHERWISE.
3. TOP OF WALL ELEVATION = 99'-0" UNLESS NOTED OTHERWISE.
4. REFER TO S101 FOR BASE PLATE, PIER, AND FOOTING SCHEDULES.
5. REFER TO CIVIL AND ARCHITECTURAL FOR EXTERIOR SLABS AND STAIRS.



1 ENLARGED FOUNDATION PLAN

SCALE: 1/4" = 1'-0"

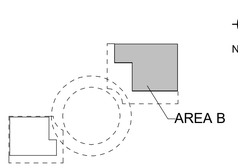


NORTH

FOUNDATION PLAN - AREA B

SCALE: 1/8" = 1'-0"

KEY PLAN



fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2022	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	RMEISSNER
Designer	JCARTER
Reviewer	CJOTTE
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.

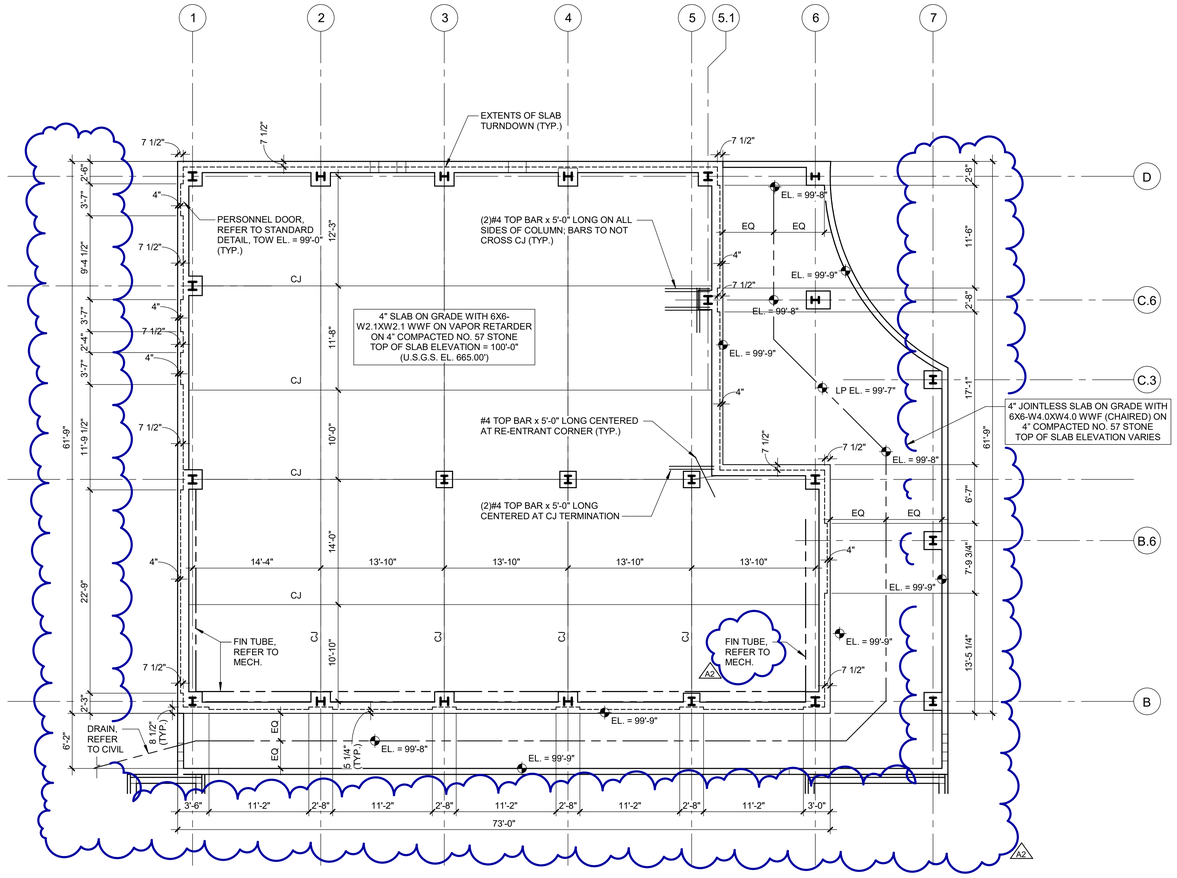
2500281

SHEET NO.

S102

©Copyright 2026
All Rights Reserved

PLOT INFO: 10/27/2026 10:34:16 AM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_S_2500281.rvt

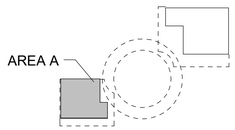


SLAB PLAN - AREA A

SCALE: 1/8" = 1'-0"

NORTH

KEY PLAN



NORTH

PLOT INFO: 10/27/2026 10:34:16 AM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_S_2500281.rvt

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2022	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

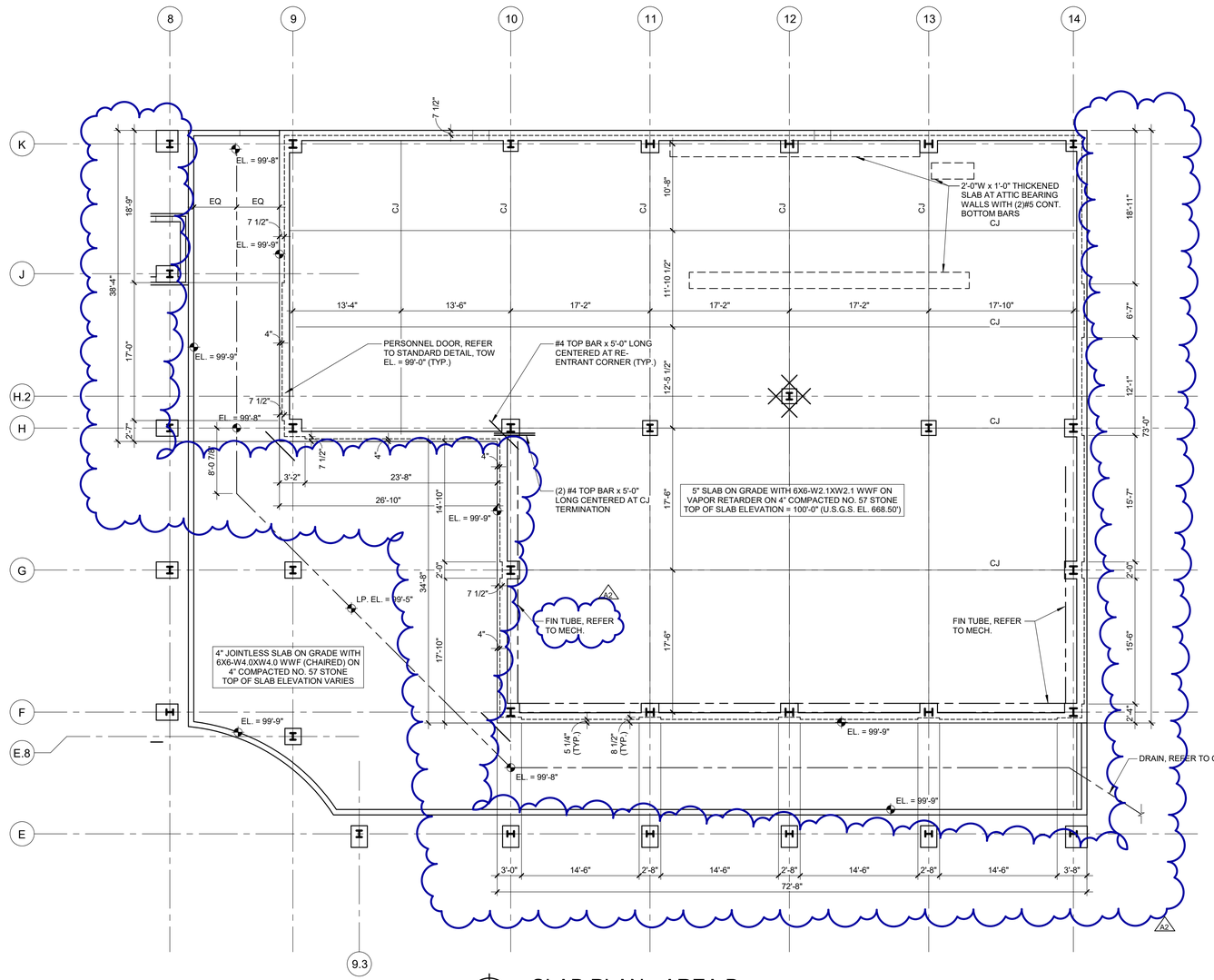
Drawn By	RMEISSNER
Designer	JCARTER
Reviewer	CJOTTE
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

SHEET NO.
S104

©Copyright 2026
All Rights Reserved

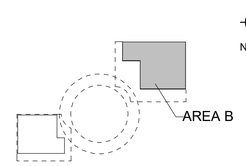


SLAB PLAN - AREA B

SCALE: 1/8" = 1'-0"

NORTH

KEY PLAN



PLOT INFO: 10/27/2026 10:34:17 AM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_S_2500281.rvt

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2022	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	RMEISSNER
Designer	JCARTER
Reviewer	CJOTTE
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

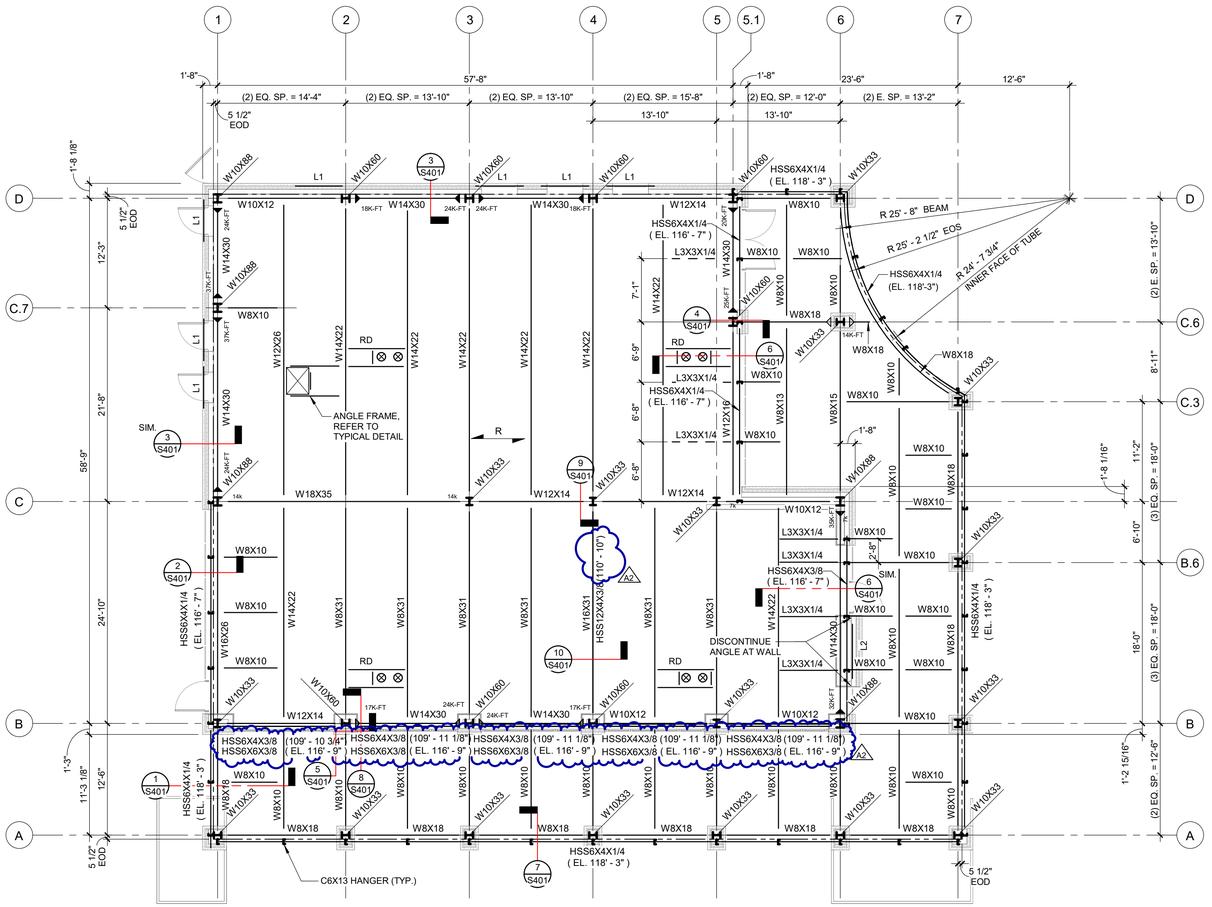
SHEET NO.
S105

©Copyright 2026
All Rights Reserved

NOTES

1. TOP OF STEEL ELEVATION = 119'-2", UNLESS NOTED OTHERWISE.
2. EXTERIOR COLUMNS, BEAMS, HANGER ASSEMBLY, AND ASSOCIATED CONNECTIONS TO BE HOT-DIP GALVANIZED AFTER FABRICATION. TOUCH UP ALL DAMAGED GALVANIZED AREAS WITH A ZINC-RICH PAINT.
3. PROVIDE 3/8" DIAMETER TYPE 304 STAINLESS STEEL DOWEL PINS AT HANGER ASSEMBLY LIMESTONE BEARING LOCATIONS. PINS TO BE WELDED AND TO PROJECT 2" ABOVE HORIZONTAL LEG OF LINTEL ANGLE AND TO BE EMBEDDED 1-1/2" MINIMUM INTO LIMESTONE. COORDINATE PIN SPACING WITH LIMESTONE FABRICATOR'S SHOP DRAWINGS. REPAIR DAMAGED GALVANIZED COATING WITH ZINC-RICH PAINT.
4. FABRICATE CURVED MEMBERS TO A UNIFORM RADIUS SUCH THAT THE MAXIMUM DEVIATION OF THE MEMBER CENTERLINE FROM THE THEORETICAL CURVE SHALL NOT EXCEED +/- 1/4 INCH OVER THE FULL LENGTH OF THE MEMBER. MEMBERS TO BE FREE OF KINKS, LOCAL BUCKLES, OR OTHER DEFORMATIONS. TOTAL TWIST SHALL NOT EXCEED 1 DEGREE IN ANY 20 FEET OF MEMBER LENGTH. FOR HSS MEMBERS, CROSS-SECTIONAL DISTORTION TO NOT EXCEED 3% OF THE NOMINAL MEMBER DIMENSION. TOTAL TWIST SHALL NOT EXCEED 1 DEGREE IN ANY 20 FEET OF MEMBER LENGTH.

A2

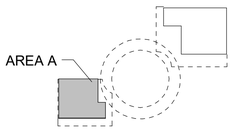


ROOF FRAMING PLAN - AREA A

SCALE: 1/8" = 1'-0"

NORTH

KEY PLAN



NORTH

PLOT INFO: 10/27/2026 10:34:18 AM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_S_2500281.rvt

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS		
10/27/2022	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	RMEISSNER
Designer	JCARTER
Reviewer	CJOTTE
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.

2500281

SHEET NO.

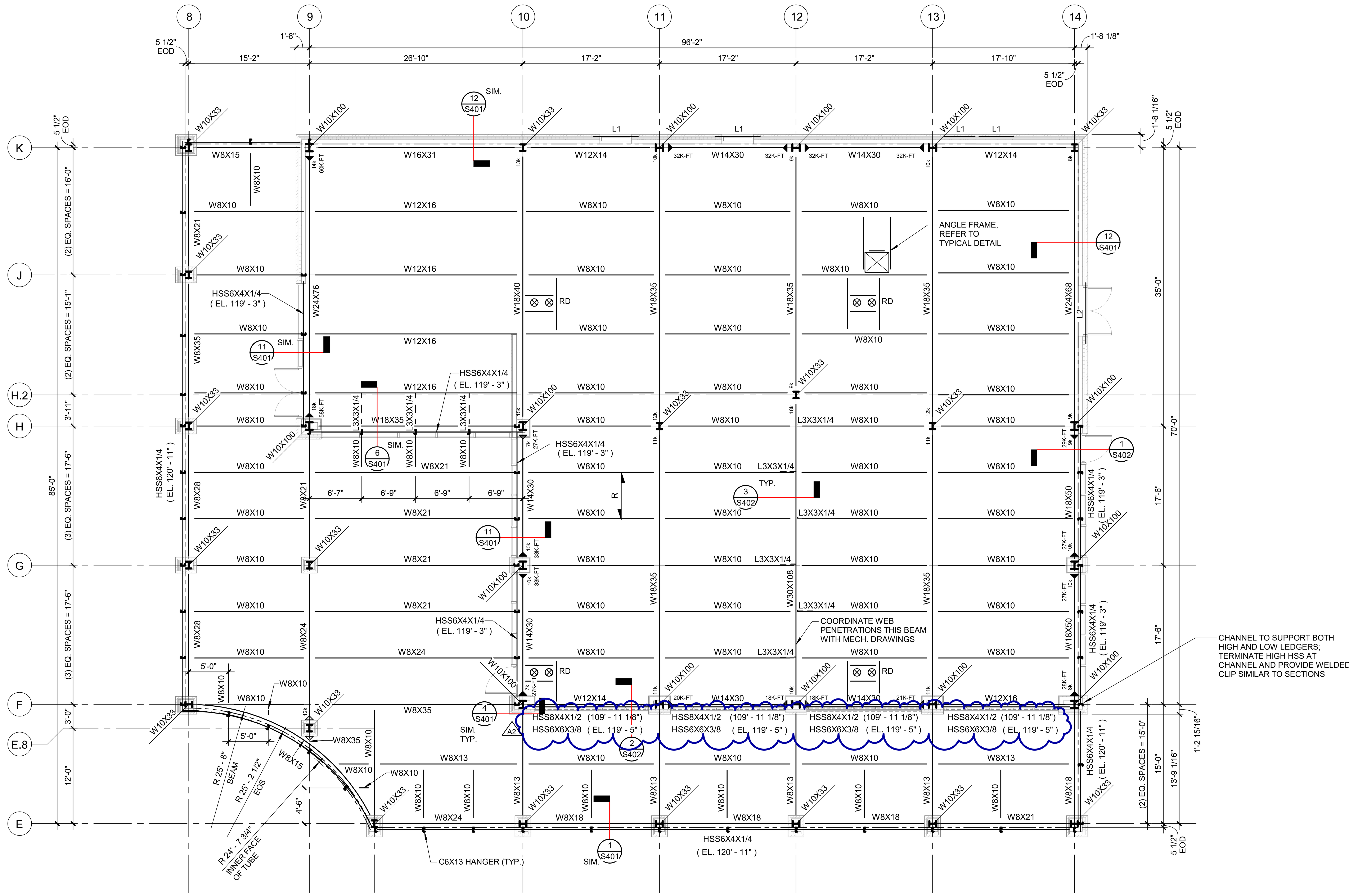
S201

©Copyright 2026
All Rights Reserved

NOTES

1. TOP OF STEEL ELEVATION = 121'-10", UNLESS NOTED OTHERWISE.
2. EXTERIOR COLUMNS, BEAMS, HANGER ASSEMBLY, AND ASSOCIATED CONNECTIONS TO BE HOT-DIP GALVANIZED AFTER FABRICATION. TOUCH UP ALL DAMAGED GALVANIZED AREAS WITH A ZINC-RICH PAINT.
3. PROVIDE 3/8" DIAMETER TYPE 304 STAINLESS STEEL DOWEL PINS AT HANGER ASSEMBLY LIMESTONE BEARING LOCATIONS. PINS TO BE WELDED AND TO PROJECT 2" ABOVE HORIZONTAL LEG OF LINTEL ANGLE AND TO BE EMBEDDED 1-1/2" MINIMUM INTO LIMESTONE. COORDINATE PIN SPACING WITH LIMESTONE FABRICATOR'S SHOP DRAWINGS. REPAIR DAMAGED GALVANIZED COATING WITH ZINC-RICH PAINT.
4. FABRICATE CURVED MEMBERS TO A UNIFORM RADIUS SUCH THAT THE MAXIMUM DEVIATION OF THE MEMBER CENTERLINE FROM THE THEORETICAL CURVE SHALL NOT EXCEED +/- 1/4 INCH OVER THE FULL LENGTH OF THE MEMBER. MEMBERS TO BE FREE OF KINKS, LOCAL BUCKLES, OR OTHER DEFORMATIONS. TOTAL TWIST SHALL NOT EXCEED 1 DEGREE IN ANY 20 FEET OF MEMBER LENGTH. FOR HSS MEMBERS, CROSS-SECTIONAL DISTORTION TO NOT EXCEED 3% OF THE NOMINAL MEMBER DIMENSION. TOTAL TWIST SHALL NOT EXCEED 1 DEGREE IN ANY 20 FEET OF MEMBER LENGTH.

A2

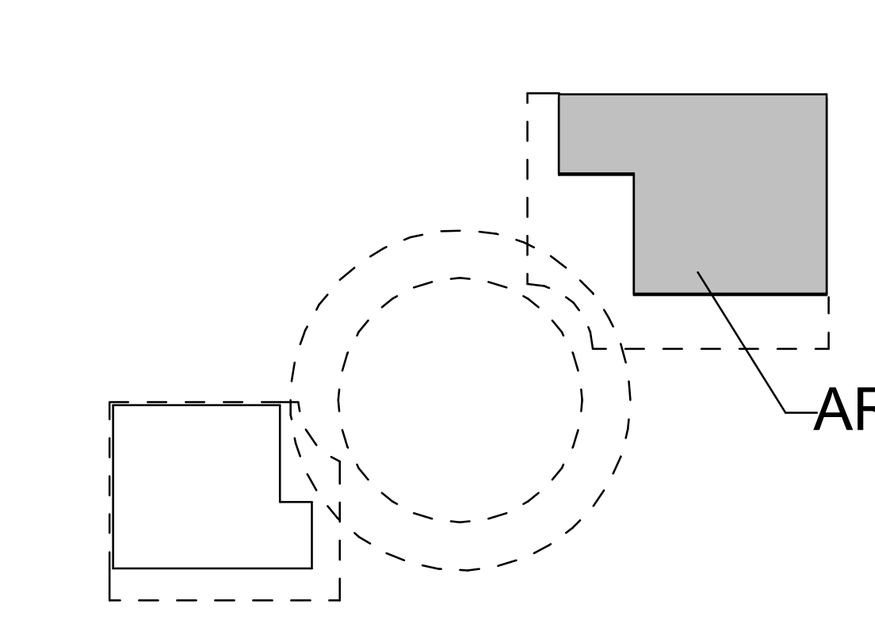


ROOF FRAMING PLAN - AREA B

SCALE: 1/8" = 1'-0"

NORTH

KEY PLAN



Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

fishbeck
Engineers | Architects | Scientists | Constructors

REVISIONS		
10/27/2022	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	RMEISSNER
Designer	JCARTER
Reviewer	CJOTTE
Manager	CKRETOVIC

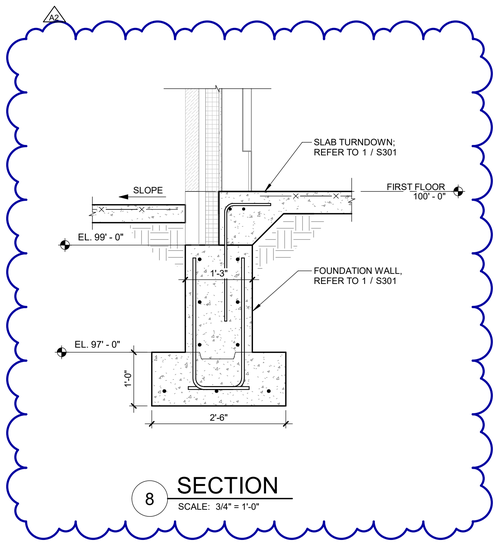
Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

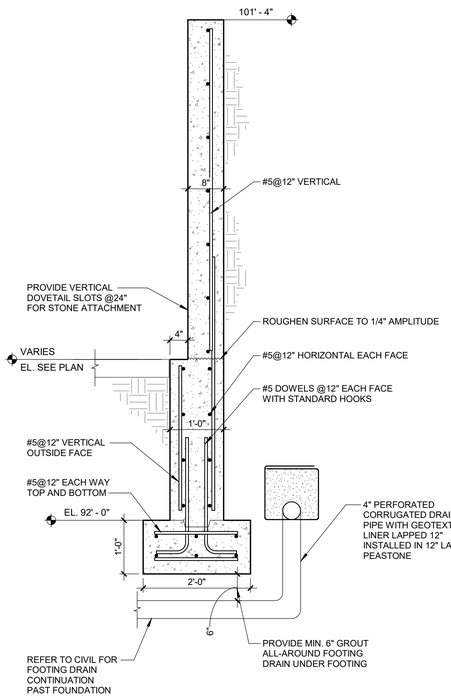
SHEET NO.
S202

©Copyright 2026
All Rights Reserved

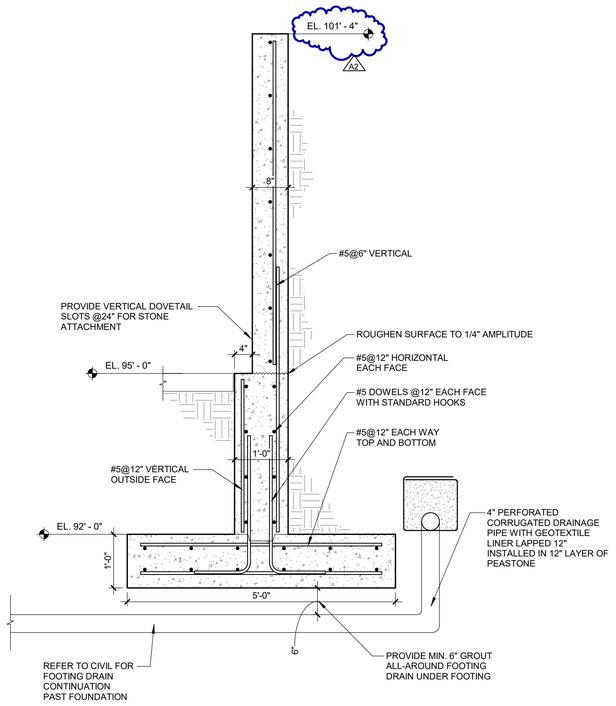
PLOT INFO: 10/27/2026 10:34:20 AM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_S_2500281.rvt



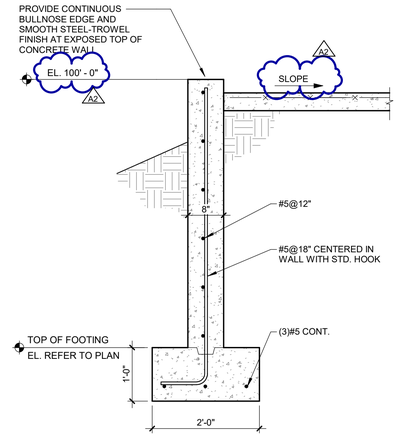
8 SECTION
SCALE: 3/4" = 1'-0"



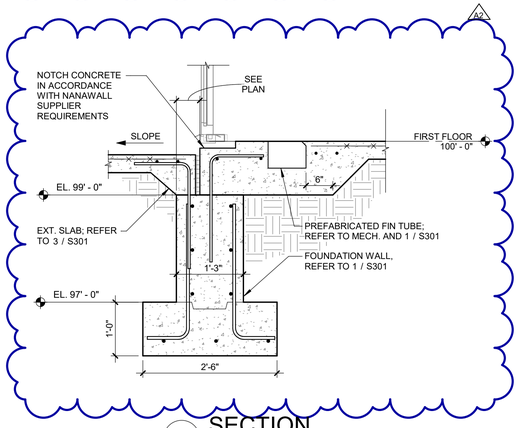
7 SECTION
SCALE: 3/4" = 1'-0"



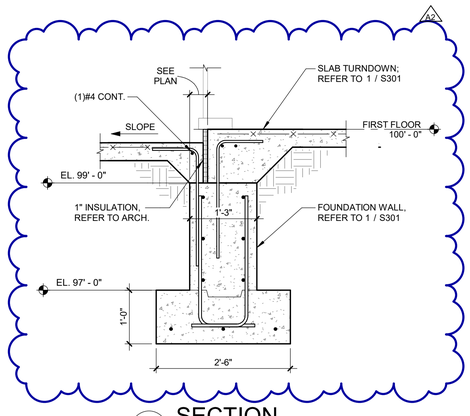
6 SECTION
SCALE: 3/4" = 1'-0"



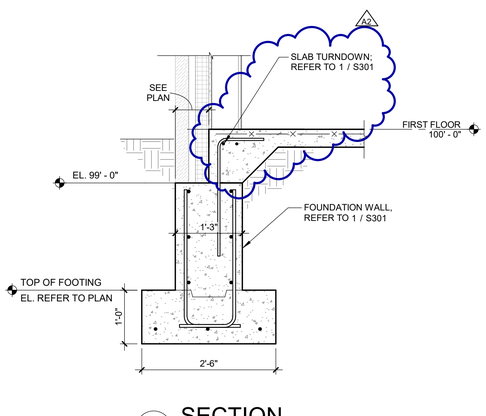
5 SECTION
SCALE: 3/4" = 1'-0"



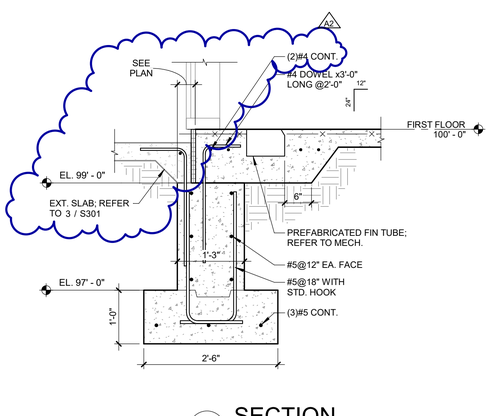
4 SECTION
SCALE: 3/4" = 1'-0"



3 SECTION
SCALE: 3/4" = 1'-0"



2 SECTION
SCALE: 3/4" = 1'-0"



1 SECTION
SCALE: 3/4" = 1'-0"

PLOT INFO: 10/27/2026 10:34:20 AM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_S_2500281.rvt

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2022	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

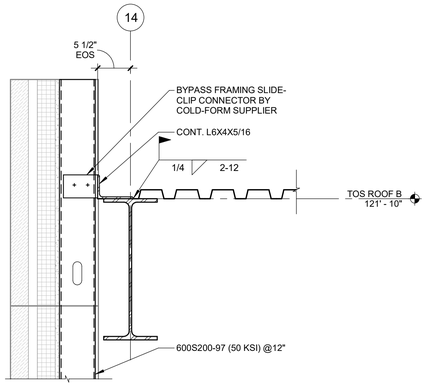
Drawn By	RMEISSNER
Designer	JCARTER
Reviewer	CJOTTE
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

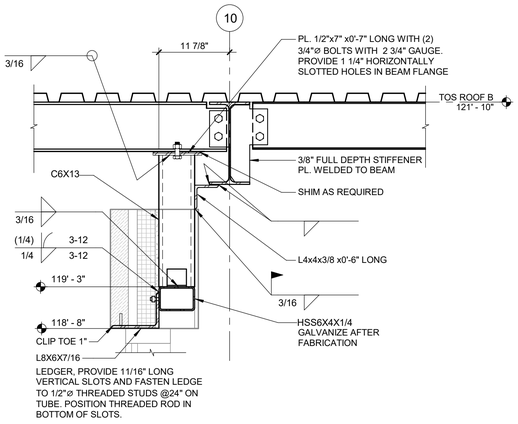
PROJECT NO.
2500281

SHEET NO.
S301

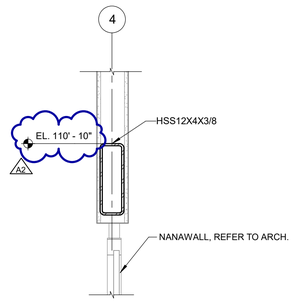
©Copyright 2026
All Rights Reserved



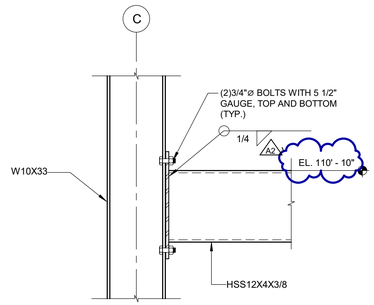
12 SECTION
SCALE: 1" = 1'-0"



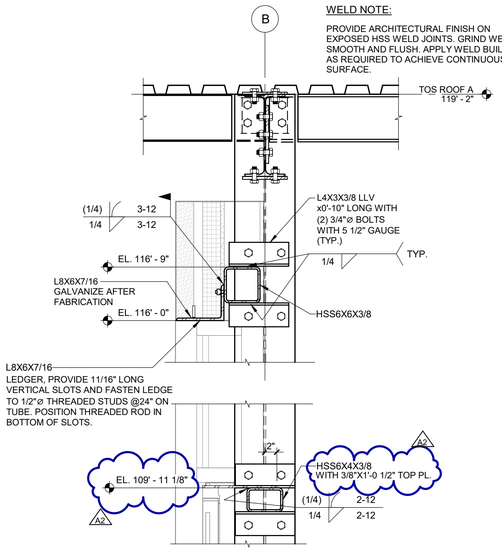
11 SECTION
SCALE: 1" = 1'-0"



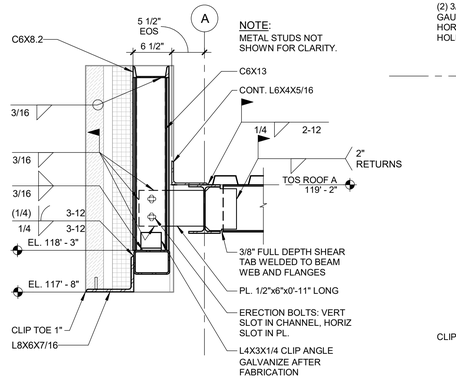
10 SECTION
SCALE: 1" = 1'-0"



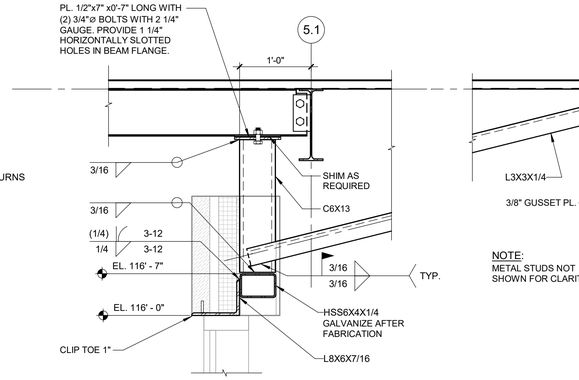
9 SECTION
SCALE: 1" = 1'-0"



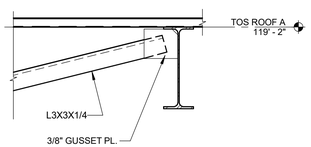
8 SECTION
SCALE: 1" = 1'-0"

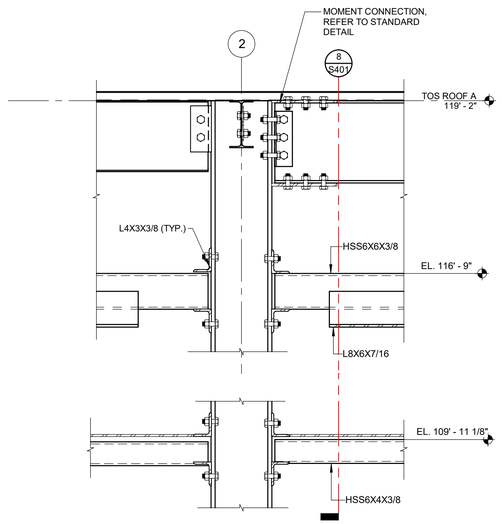


7 SECTION
SCALE: 1" = 1'-0"

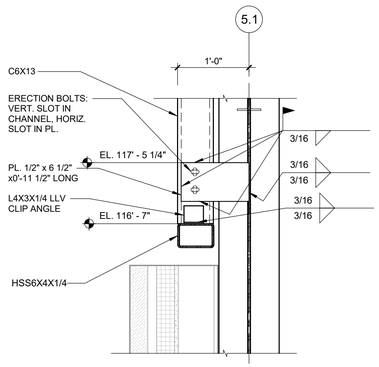


6 SECTION
SCALE: 1" = 1'-0"

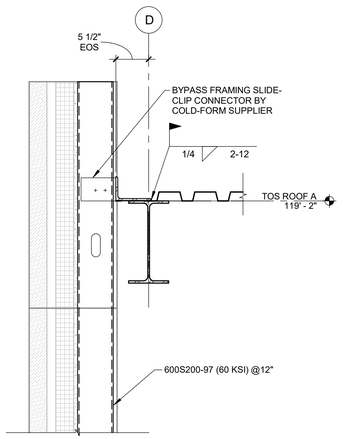




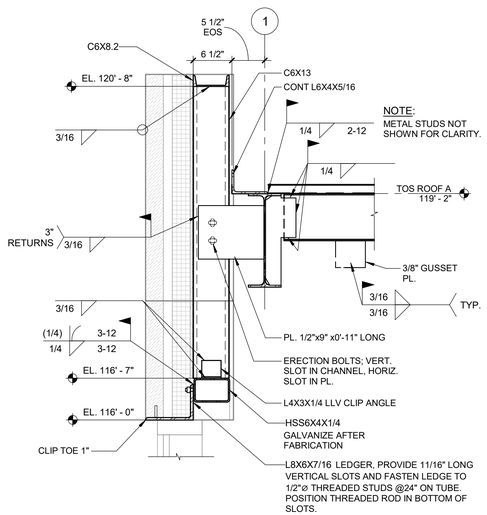
5 SECTION
SCALE: 1" = 1'-0"



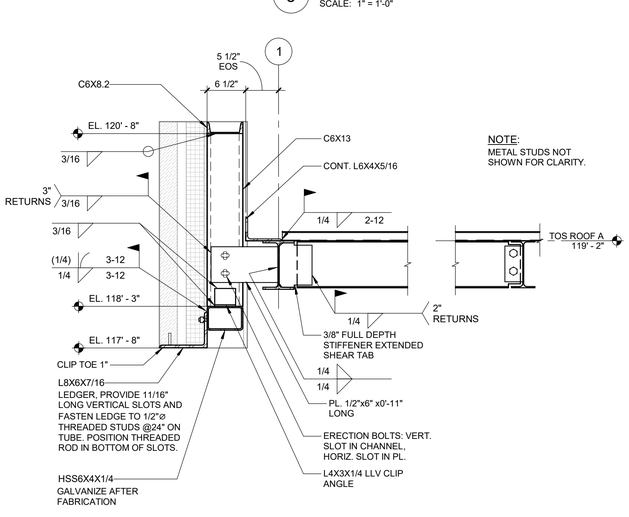
4 SECTION
SCALE: 1" = 1'-0"



3 SECTION
SCALE: 1" = 1'-0"



2 SECTION
SCALE: 1" = 1'-0"



1 SECTION
SCALE: 1" = 1'-0"

PLOT INFO: 10/27/2026 10:34:23 AM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_S_2500281.rvt

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS		
10/27/2022	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

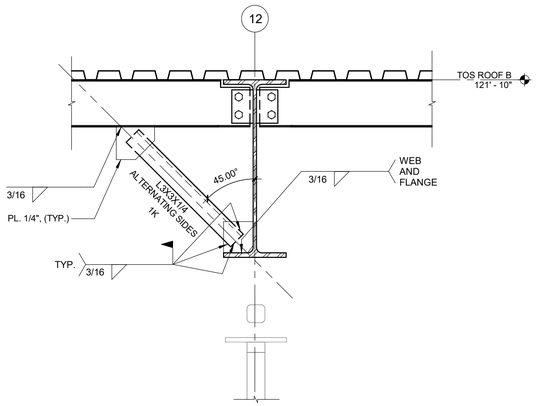
Drawn By	RMEISSNER
Designer	JCARTER
Reviewer	CJOTTE
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

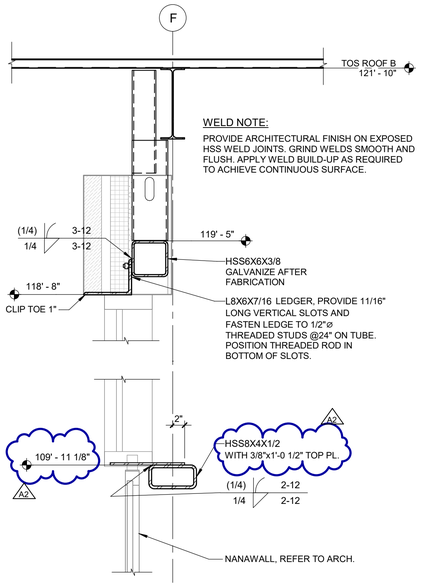
PROJECT NO.
2500281

SHEET NO.
S401

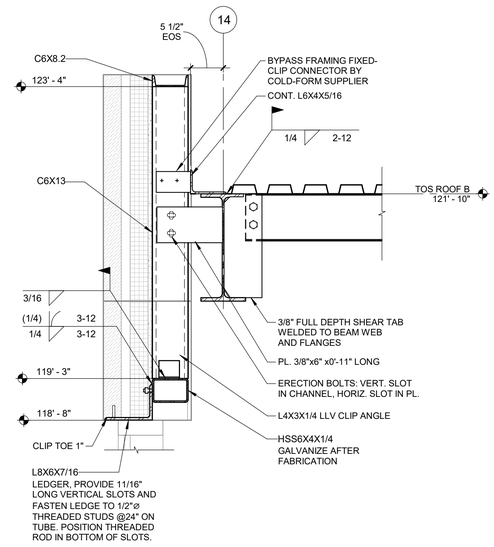
©Copyright 2026
All Rights Reserved



3 SECTION
SCALE: 1" = 1'-0"



2 SECTION
SCALE: 1" = 1'-0"



1 SECTION
SCALE: 1" = 1'-0"

PLOT INFO: 10/27/2026 10:34:24 AM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_S_2500281.rvt

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

fishbeck
Engineers | Architects | Scientists | Constructors

REVISIONS

10/27/2022	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/19/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	RMEISSNER
Designer	JCARTER
Reviewer	CJOTTE
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

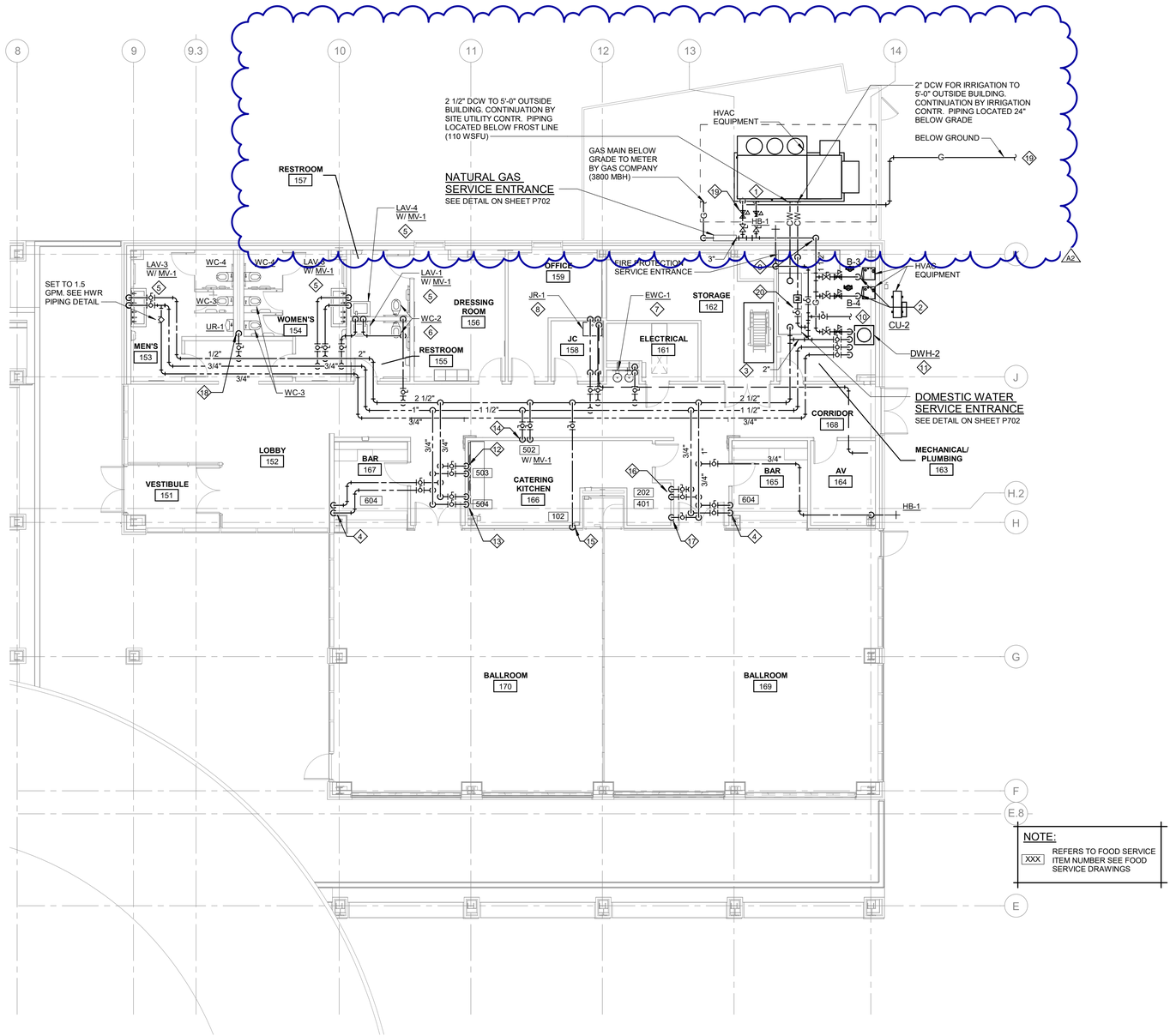
PROJECT NO.

2500281

SHEET NO.

S402

©Copyright 2026
All Rights Reserved



NOTE:
XXX REFERS TO FOOD SERVICE ITEM NUMBER SEE FOOD SERVICE DRAWINGS

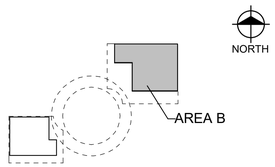
LAKE HALL
FIRST FLOOR PLUMBING SUPPLY PIPING PLAN - AREA B
SCALE: 1/8" = 1'-0"

NORTH

KEY NOTES

1. 1 1/2" GAS PIPING WITH SHUT-OFF VALVE AND REGULATOR TO ROOFTOP UNIT. PROVIDE WITH 6" DIRT LEG AT CONNECTION.
2. 1 1/4" GAS PIPING WITH SHUT-OFF VALVE AND REGULATOR TO BOILER. PROVIDE WITH 6" DIRT LEG AT CONNECTION.
3. NO PIPING TO BE INSTALLED IN THIS AREA. MAINTAIN CLEARANCE FOR LADDER ACCESS TO ROOF HATCH.
4. 1/2" CW AND HW DOWN IN WALL TO BAR SINK.
5. 1/2" CW AND HW DOWN IN WALL TO MIXING VALVE. CONTINUE 1/2" CW AND 1/2" TW TO LAVATORY.
6. 1 1/2" CW DOWN IN WALL TO WATER CLOSETS. ROUTE 1 1/4" CW TO EACH WC. PROVIDE WITH WATER HAMMER ARRESTOR. SEE SCHEDULE ON SHEET P602.
7. 1/2" CW DOWN IN WALL TO ELECTRIC WATER COOLER.
8. 1/2 "CW AND HW DOWN IN WALL TO JANITORS RECEPTOR.
9. GAS PIPING UP ALONG WALL AND ROUTE THRU WALL ABOVE THE CEILING OF THE INTERIOR SPACE.
10. 3/4" HVAC MAKE-UP WATER CONNECTION WITH BACKFLOW PREVENTER AND PRESSURE REGULATOR. ROUTE FULL SIZE DRAIN TO INDIRECT INTO NEAREST F.D. SEE DETAIL ON SHEET P702 FOR MORE INFORMATION.
11. WATER HEATER COMBUSTION AIR AND VENT PIPING UP THRU ROOF. COORDINATE LOCATION WITH HVAC INTAKES TO MAINTAIN MINIMUM 10 FT SEPARATION.
12. 1/2" CW AND HW DOWN IN WALL TO POT SINK.
13. 3/4" HW DOWN IN WALL TO DISHWASHER. PROVIDE SHUT-OFF VALVE, DUAL CHECK BACKFLOW PREVENTER, AND WATER HAMMER ARRESTOR. 1/2" CW DOWN IN WALL TO DRAIN TEMPERING KIT. PROVIDE SHUT-OFF VALVE, DUAL CHECK BACKFLOW PREVENTER, AND WATER HAMMER ARRESTOR.
14. 1/2" CW AND HW DOWN IN WALL TO MIXING VALVE. CONTINUE 1/2" CW AND 1/2" TW TO HAND SINK.
15. 1/2" CW DOWN IN WALL TO ICE MAKER FILTER. PROVIDE SHUT-OFF VALVE AND DUAL CHECK BACKFLOW PREVENTER. CONTINUE 1/2" CW TO ICE MAKER.
16. 1/2" CW AND HW DOWN IN WALL TO PREP SINK.
17. 1/2" CW DOWN IN WALL TO COFFEE MAKER FILTER. PROVIDE SHUT-OFF VALVE AND DUAL CHECK BACKFLOW PREVENTER. CONTINUE 1/2" CW TO COFFEE MAKER.
18. 2" CW DOWN IN CHASE TO FIXTURES. PROVIDE WITH WATER HAMMER ARRESTOR. SEE SCHEDULE ON SHEET P602.
19. 2 1/2" GAS PIPING WITH SHUT-OFF VALVE AND REGULATOR FOR GENERATOR. ROUTE PIPING BELOW GRADE TO GENERATOR. PROVIDE WITH 6" DIRT LEG AT CONNECTION.
20. 2" IRRIGATION WATER CONNECTION WITH BACKFLOW PREVENTER AND DEDUCT METER. ROUTE FULL SIZE DRAIN TO INDIRECT INTO NEAREST F.D. SEE DETAIL ON SHEET P702 FOR MORE INFORMATION.

KEY PLAN



fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2022	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	JBFITZSIMMONS
Designer	JBFITZSIMMONS
Reviewer	GLOUIS
Manager	CKRETOVIC

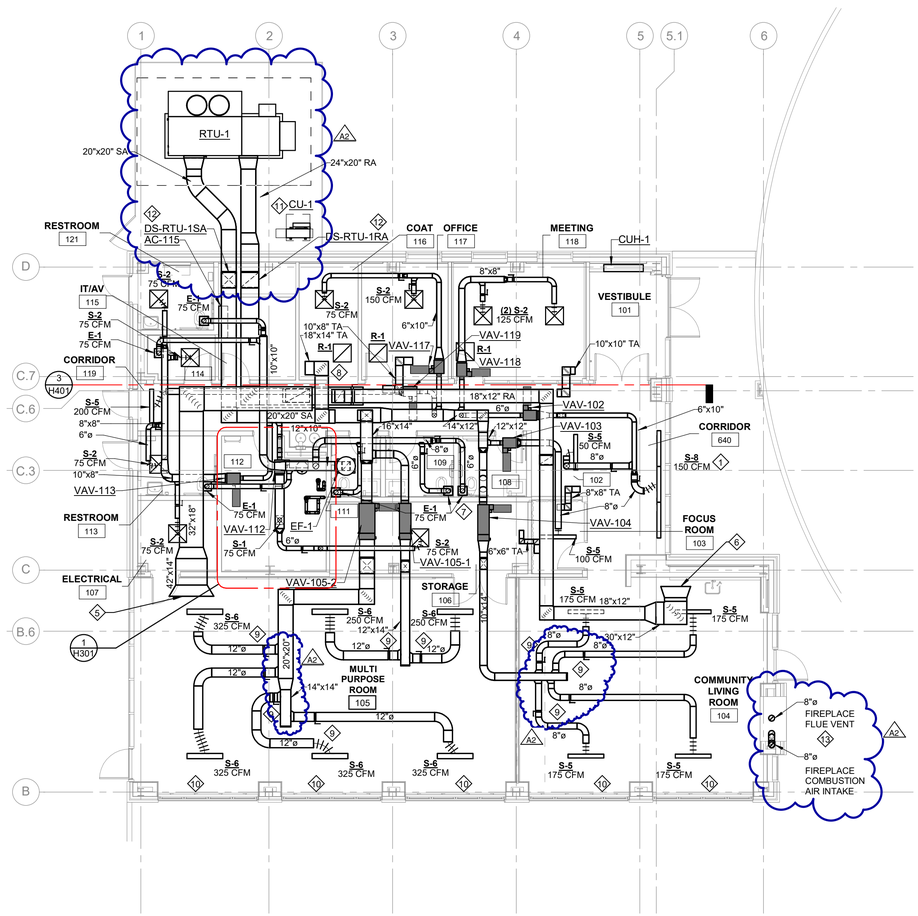
Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

SHEET NO.
P302

©Copyright 2026
All Rights Reserved

PLOT INFO: 10/27/2026 9:43:43 AM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_M_2500281.rvt



NOTES

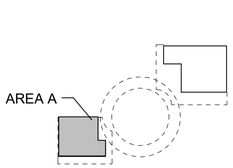
1. DUCT BRANCHES TO DIFFUSERS/GRILLES SHALL BE FULL SIZE OF DIFFUSER/GRILLE NECK UNLESS NOTED OTHERWISE.
2. DUCT BRANCHES TO TERMINAL UNITS SHALL BE FULL SIZE OF TERMINAL UNIT INLET CONNECTION UNLESS NOTED OTHERWISE.

KEY NOTES

1. PROVIDE 12 FT CONTINUOUS DIFFUSER, CENTER 4 FT IS A ACTIVE DIFFUSER.
2. BALANCE RETURN DAMPER TO 1400 CFM.
3. BALANCE RETURN DAMPER TO 700 CFM.
4. BALANCE RETURN DAMPER TO 1800 CFM.
5. PROVIDE A 60" x 20" OPEN ENDED RETURN AIR DUCT. RETURN AIR SHALL BE TRANSFERRED FROM THE SPACE THROUGH THE PLENUM CAVITY FORMED BEHIND THE ACOUSTICAL PANEL ON THE NORTH WALL AND ROUTED ABOVE THE CEILING TO THE RETURN AIR DUCT.
6. PROVIDE A 40" x 12" OPEN-ENDED RETURN AIR DUCT. RETURN AIR SHALL BE TRANSFERRED FROM THE SPACE THROUGH THE OPENING LOCATED ABOVE THE UPPER CABINETS AND ROUTED TO THE RETURN AIR DUCT ABOVE THE CEILING.
7. PROVIDE YOUNG REGULATOR COMPANY 270-275 WITH 5020CC DAMPER FOR REMOTE DAMPER CONTROL OF EXHAUST GRILLES.
8. TRANSFERS RETURN AIR FROM COAT 116, CORRIDOR 119, CORRIDOR 640, AND RECEPTION 102 INTO THE RETURN PLENUM.
9. DAMPER MUST BE MOUNTED AT LEAST 10 DUCT DIAMETERS FROM THE DIFFUSER AS DIRECTED BY THE ACOUSTICAL CONSULTANT DUE TO NOISE CONCERNS.
10. THE CONTROLS CONTRACTOR SHALL PROVIDE ALL REQUIRED WIRING FROM THE REED DOOR CONTACT FURNISHED BY THE DOOR MANUFACTURER AND SHALL INTERFACE THE DOOR CONTACT WITH THE ASSOCIATED VAV TERMINAL UNIT SERVING THE SPACE. THE DOOR CONTACT STATUS SHALL BE MONITORED AND UTILIZED FOR CONTROL FUNCTIONS AS SPECIFIED.
11. PROVIDE CURB WITH CONDENSING UNIT.
12. SILENCER IN VERTICAL DUCT.
13. FIREPLACE MANUFACTURER TO PROVIDE VERTICALLY TERMINATED POWER EXHAUST FAN. INTERLOCK THROUGH FIREPLACE CONTROLS. PROVIDE A MINIMUM OF 24" BETWEEN THE COMBUSTION AIR INTAKE AND THE FLUE VENT.

A-1

KEY PLAN



fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2022	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	CUHLIG
Designer	CUHLIG
Reviewer	GLOUIS
Manager	CKRETOVIC

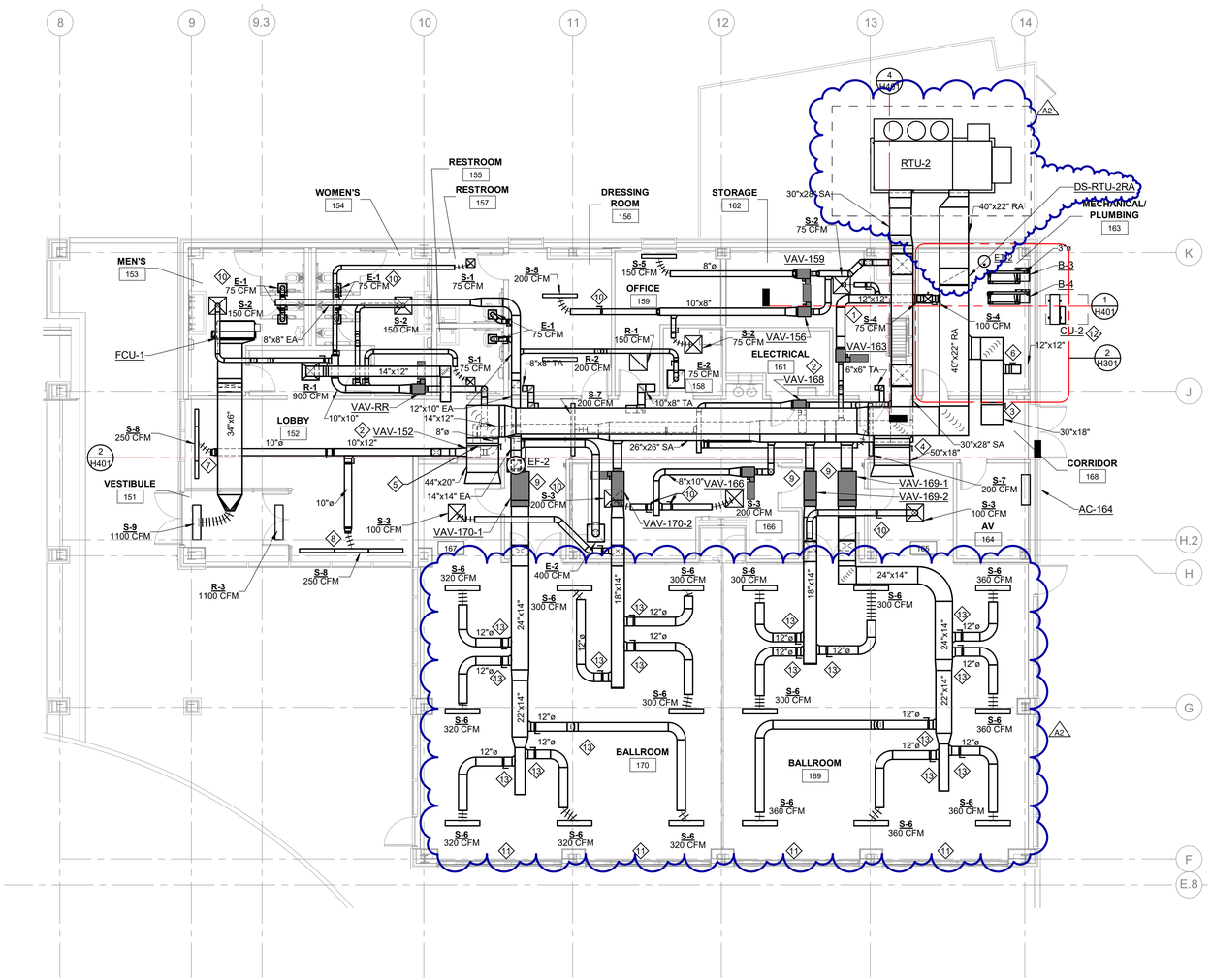
Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

SHEET NO.
H101

©Copyright 2026
All Rights Reserved

PLOT INFO: 10/27/2026 9:28:30 AM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_M_2500281.rvt



NOTES

1. DUCT BRANCHES TO DIFFUSERS/GRILLES SHALL BE FULL SIZE OF DIFFUSER/GRILLE NECK UNLESS NOTED OTHERWISE.
2. DUCT BRANCHES TO TERMINAL UNITS SHALL BE FULL SIZE OF TERMINAL UNIT INLET CONNECTION UNLESS NOTED OTHERWISE.
3. REFER TO SECTION 2 ON SHEET H401 FOR DUCT DIMENSIONS IN CORRIDOR.

KEY NOTES

1. SUPPLY DIFFUSER TO SERVE MEZZANINE ABOVE STORAGE ROOM.
2. COORDINATE VAV BOX LOCATION WITH LIGHTING, DIFFUSERS, SPRINKLERS, AND CEILING TILES TO ENSURE BOXES CAN BE ADEQUATELY ACCESSED.
3. SET RETURN BALANCE DAMPER TO 1500 CFM.
4. SET RETURN BALANCE DAMPER TO 2900 CFM.
5. SET RETURN BALANCE DAMPER TO 2700 CFM.
6. SET RETURN BALANCE DAMPER TO 100 CFM.
7. PROVIDE 8 FT CONTINUOUS DIFFUSER, THE CENTER 4 FT SECTION HAS AIRFLOW, THE OUTER 2 FT ON EACH END ARE BLANK OFF PANELS.
8. PROVIDE 12 FT CONTINUOUS DIFFUSER, CENTER 4 FT IS A BLANK OFF PANEL.
9. BOTTOM CONTROL ACCESS VAV.
10. PROVIDE YOUNG REGULATOR COMPANY 270-275 WITH 5020CC DAMPER FOR REMOTE DAMPER CONTROL.
11. THE CONTROLS CONTRACTOR SHALL PROVIDE ALL REQUIRED WIRING FROM THE REED DOOR CONTACT FURNISHED BY THE DOOR MANUFACTURER AND SHALL INTERFACE THE DOOR CONTACT WITH THE ASSOCIATED VAV TERMINAL UNIT SERVING THE SPACE. THE DOOR CONTACT STATUS SHALL BE MONITORED AND UTILIZED FOR CONTROL FUNCTIONS AS SPECIFIED.
12. PROVIDE CONDENSING UNIT WITH CURB.
13. DAMPER MUST BE MOUNTED AT LEAST 10 DUCT DIAMETERS FROM THE DIFFUSER AS DIRECTED BY THE ACOUSTICAL CONSULTANT DUE TO NOISE CONCERNS. A2

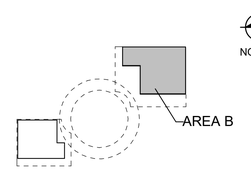
LAKE HALL

HVAC SHEET METAL PLAN - AREA B

SCALE: 1/8" = 1'-0"

NORTH

KEY PLAN



fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS		
10/27/2022	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	CUHLIG
Designer	CUHLIG
Reviewer	GLOUIS
Manager	CKRETOVIC

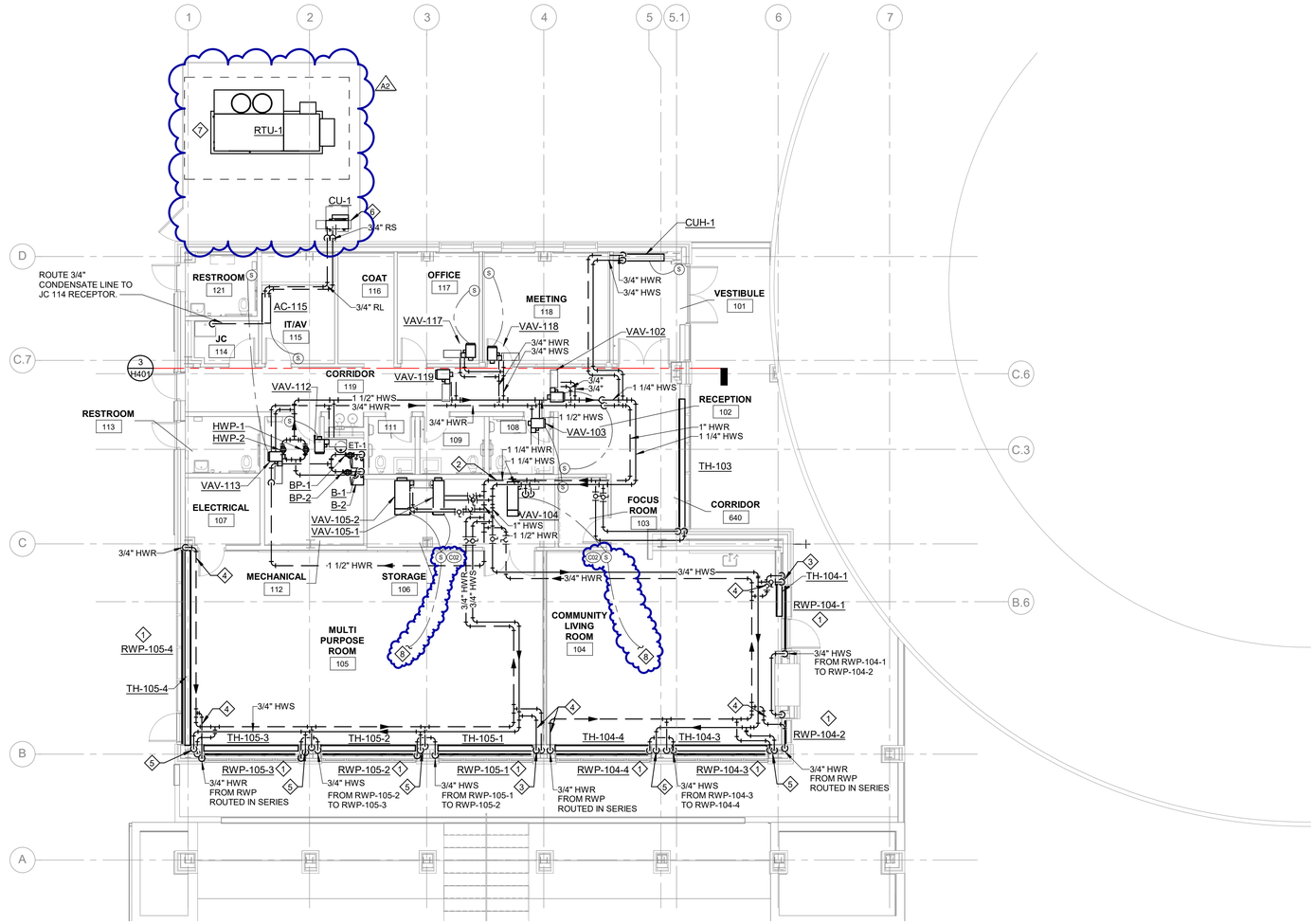
Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

SHEET NO.
H102

©Copyright 2026
All Rights Reserved

PLOT INFO: 10/27/2026 9:28:31 AM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_M_2500281.rvt



LAKE HOUSE

HVAC PIPING PLAN - AREA A

SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

1. TO ALLOW PROPER ACCESS TO VALVES, DO NOT LOCATE VALVES ABOVE METAL CEILING LOCATED IN CORRIDOR 640, COMMUNITY LIVING ROOM 104, AND MULTIPURPOSE ROOM 105 UNLESS NOTED OTHERWISE.
2. PROVIDE 3/4" HWS/R PIPING TO TERMINAL UNITS, UNLESS NOTED OTHERWISE.
3. COORDINATE PIPING MANUAL HIGH POINT VENTS WITH CEILING ACCESS PANEL LOCATIONS.

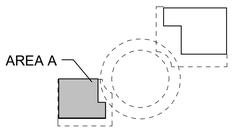
A2

KEY NOTES

1. RADIANT WALL PANELS MOUNTED AT 10'-0" A.F.F.ON MULLIONS.
2. LOCATE HW DIFFERENTIAL PRESSURE SENSOR TRANSMITTER.
3. 3/4" HWS DN TO RADIANT WALL PANEL AND 3/4" HWS/R TRENCH HEATER. VALVES SERVING TRENCH HEATER TO BE LOCATED WITHIN TRENCH OPENING.
4. LOCATE ALL VALVES AND CIRCUIT SETTERS ADJACENT TO ACCESS PANELS. REFER TO THE ARCHITECTURAL DRAWINGS FOR ACCESS PANEL LOCATIONS AND COORDINATE ACCORDINGLY.
5. 3/4" HWS/R DN TO TRENCH HEATER. VALVES SERVING TRENCH HEATER TO BE LOCATED WITHIN TRENCH OPENING.
6. PROVIDE CONDENSING UNIT WITH 4" CURB.
7. ROUTE RTU CONDENSATE DRAIN TO GRADE. PROVIDE FULLY TRAPPED AND SLOPED PIPING IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
8. TO RADIANT WALL PANELS AND TRENCH HEATERS SERVING THE ASSOCIATED SPACE.

A2

KEY PLAN



fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS		
10/27/2022	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	CUHLIG
Designer	CUHLIG
Reviewer	GLOUIS
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.

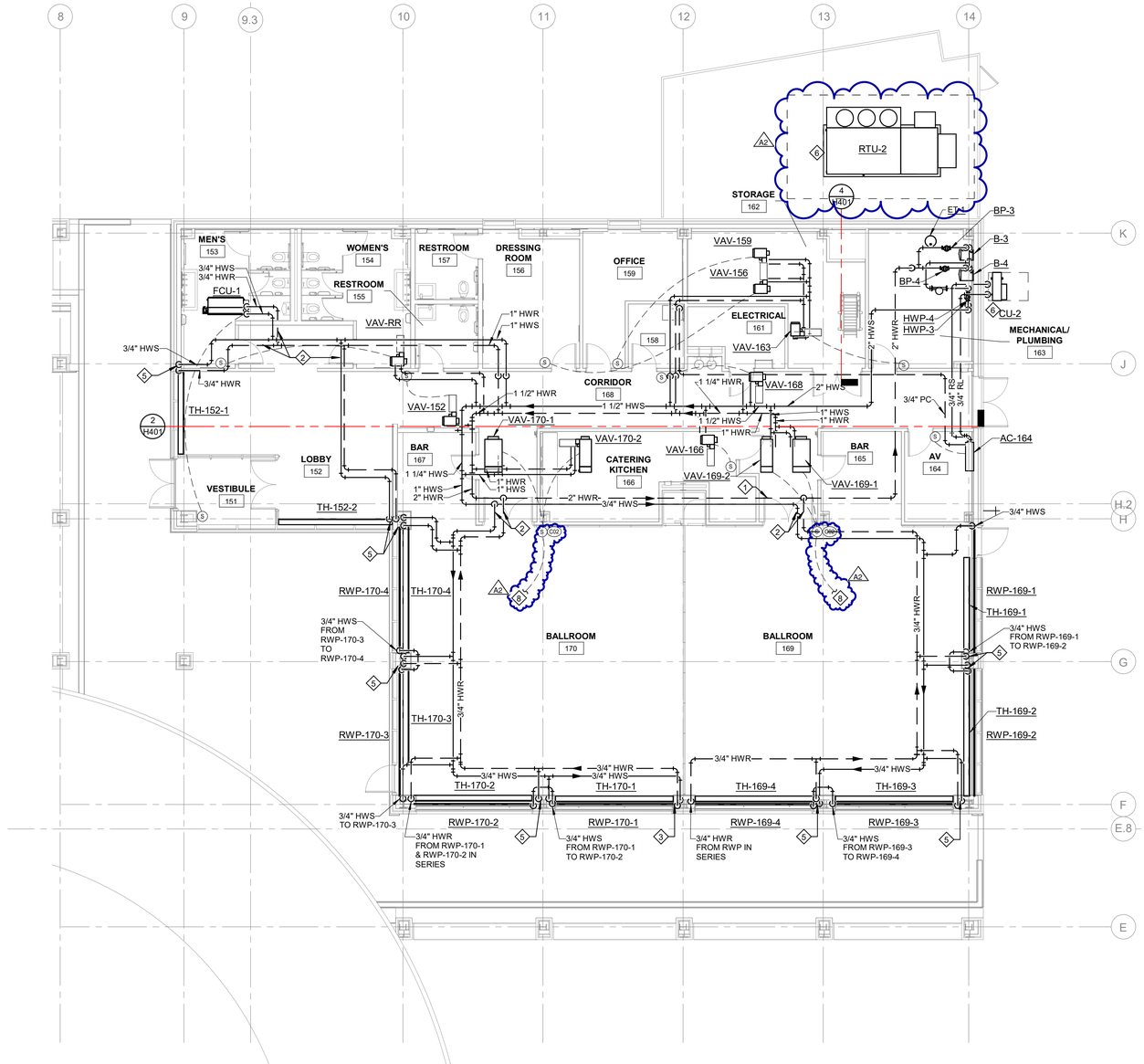
2500281

SHEET NO.

H201

©Copyright 2026
All Rights Reserved

PLOT INFO: 10/27/2026 9:28:33 AM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_M_2500281.rvt



LAKE HALL

HVAC PIPING PLAN - AREA B

SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

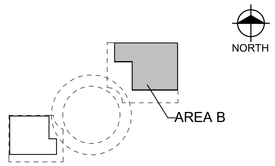
1. TO ALLOW PROPER ACCESS TO VALVES, DO NOT LOCATE VALVES ABOVE METAL CEILING LOCATED IN LOBBY 152, BALLROOM 169, AND 170 UNLESS NOTED OTHERWISE.
2. PROVIDE 3/4" HWS/R PIPING TO TERMINAL UNITS, UNLESS NOTED OTHERWISE.
3. COORDINATE PIPING MANUAL HIGH POINT VENTS WITH CEILING ACCESS PANEL LOCATIONS.

A2

KEY NOTES

1. LOCATE HW DIFFERENTIAL PRESSURE SENSOR TRANSMITTER.
2. LOCATE VALVES WITHIN LAY-IN CEILING TO ALLOW ACCESS.
3. 3/4" HWS DN TO RADIANT WALL PANEL AND 3/4" HWS/R TRENCH HEATER. VALVES SERVING TRENCH HEATER TO BE LOCATED WITHIN TRENCH OPENING.
4. LOCATE ALL VALVES AND CIRCUIT SETTERS ADJACENT TO ACCESS PANELS. REFER TO THE ARCHITECTURAL DRAWINGS FOR ACCESS PANEL LOCATIONS AND COORDINATE ACCORDINGLY.
5. 3/4" HWS/R DN TO TRENCH HEATER. VALVES SERVING TRENCH HEATER TO BE LOCATED WITHIN TRENCH OPENING.
6. PROVIDE CONDENSING UNIT WITH 4" CURB.
7. ROUTE RTU CONDENSATE DRAIN TO GRADE. PROVIDE FULLY TRAPPED AND SLOPED PIPING IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
8. TO RADIANT WALL PANELS AND TRENCH HEATERS SERVING THE ASSOCIATED SPACE.

KEY PLAN



fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2022	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	CUHLIG
Designer	CUHLIG
Reviewer	GLOUIS
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.

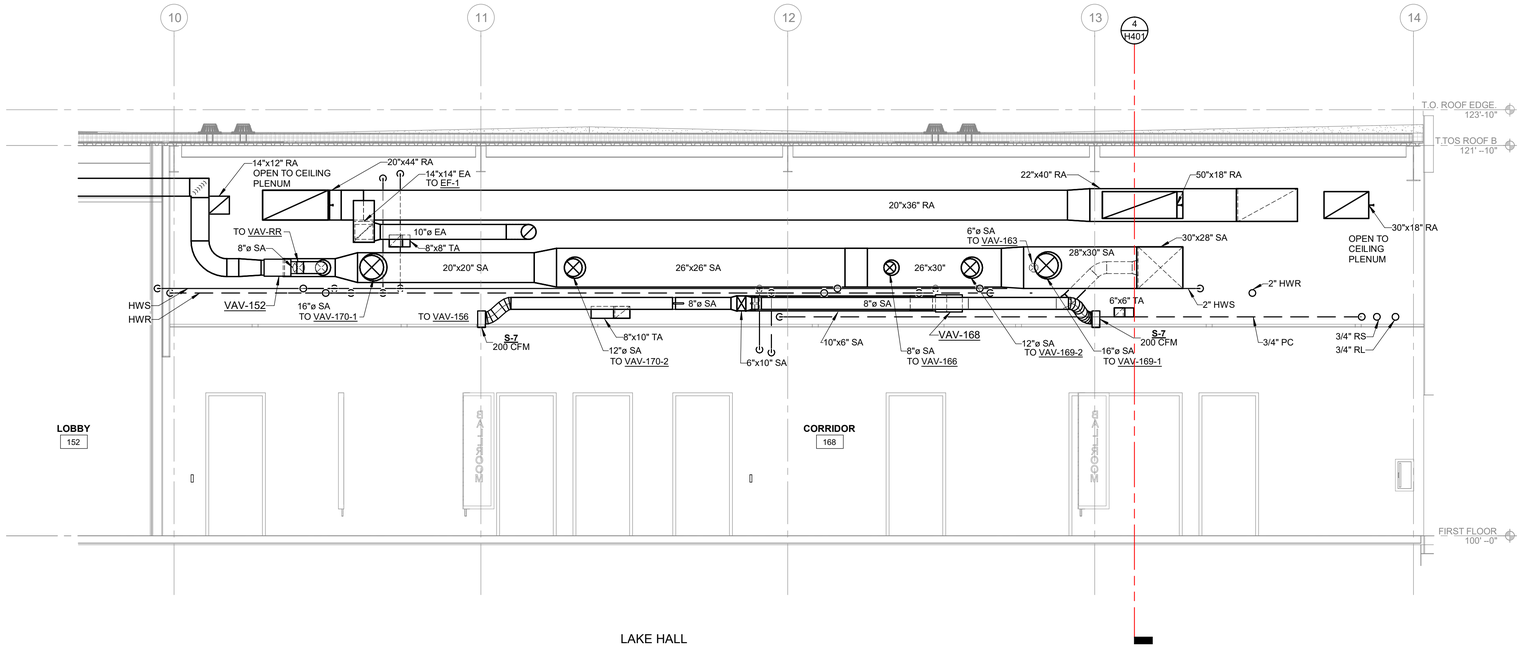
2500281

SHEET NO.

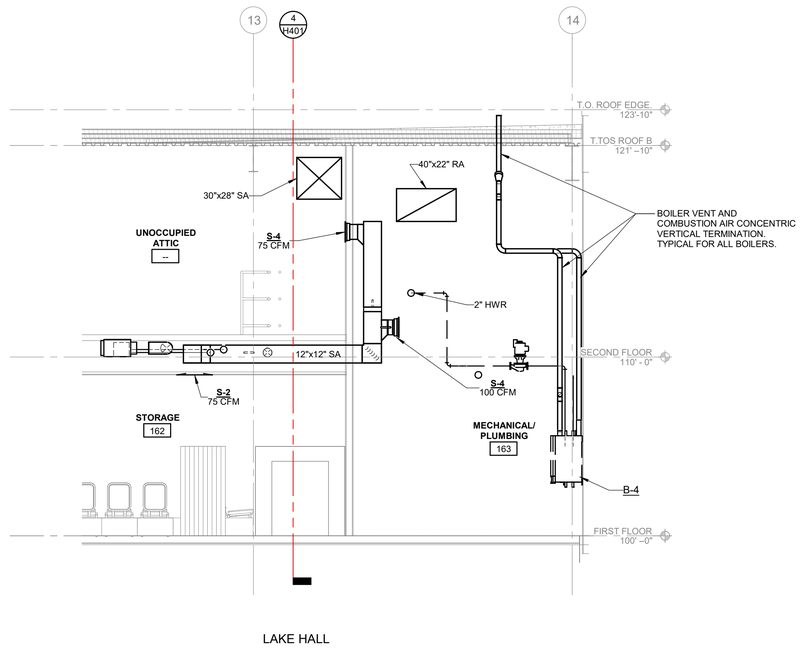
H202

©Copyright 2026
All Rights Reserved

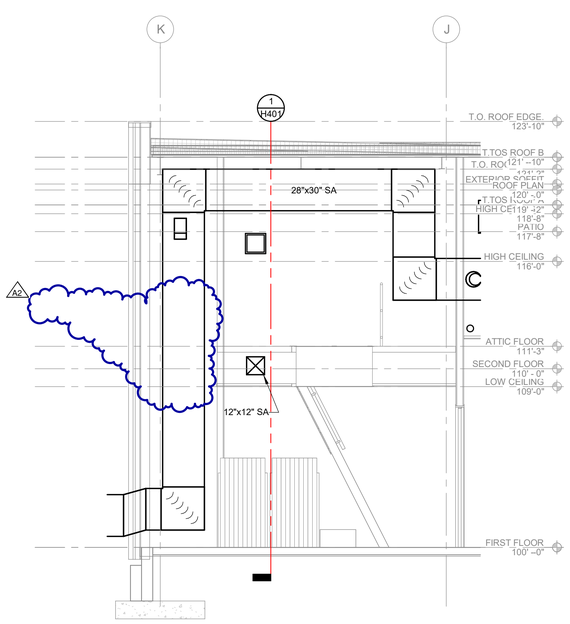
PLOT INFO: 10/27/2026 9:28:36 AM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_M_2500281.rvt



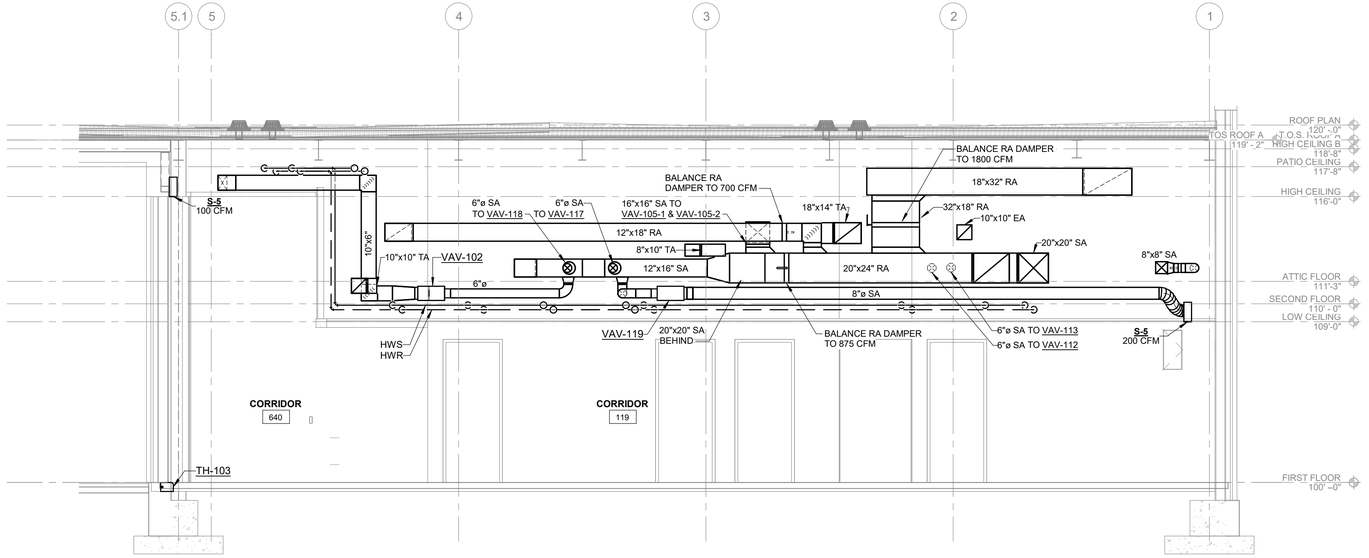
LAKE HALL
2 CORRIDOR SECTION
SCALE: 1/4" = 1'-0"



LAKE HALL
1 MEZZANINE SECTION
SCALE: 1/4" = 1'-0"



4 LAKE HOUSE ATTIC DUCT ROUTING
SCALE: 1/4" = 1'-0"



LAKE HOUSE
3 LAKE HOUSE CORRIDOR SECTION
SCALE: 1/4" = 1'-0"

PLOT INFO: 10/27/2026 9:28:40 AM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_M_2500281.rvt

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2022	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	Author
Designer	Designer
Reviewer	Checker
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

SHEET NO.
H401

©Copyright 2026
All Rights Reserved

ROOFTOP UNIT SCHEDULE - GAS FIRED HEAT & DX COOLING

ID TAG	SERVICE	MANUFACTURER	MODEL	OUTDOOR AIR		SUPPLY FAN SECTION								DX COOLING SECTION								HOT-GAS REHEAT SECTION				INDIRECT GAS HEATING SECTION						EXHAUST FAN SECTION					ELECTRICAL				ACCESSORIES						NOTES
				MAX CFM	MIN CFM	WHEEL TYPE	DRIVE TYPE	CFM	ESP (IN WC)	TSP (IN WC)	BHP	HP	RPM	VFD	EAT DB	EAT WB	LAT DB	LAT WB	SENSIBLE MBH	LATENT MBH	TOTAL MBH	NUMBER OF ROWS	EER	IEER	EAT DB	LAT DB	TOTAL MBH	CONTROL	EAT DB	LAT DB	TURN DOWN	AIR TEMP RISE (F)	INPUT MBH	OUTPUT MBH	GAS PRESSURE	WHEEL TYPE	DRIVE TYPE	RPM	ESP (IN WC)	BHP	VOLTAGE (V/PH/Hz)	MCA	MOCP	MIN EER	CURB	GFCI	CONTROL	DISCONNECT	WEIGHT (LBS)	
RTU-1	LAKE HOUSE	VALENT	VX-112-12.5I-J-J3	3900	450		DIRECT	3900	2.1	3.32	3.34	5	2115	MANUF. PROVIDED	79	66	54	54	99.7	37	136.7		11.2	18.6			77	94.1	MODULATING	52.4	110	12:1	57.6	300	243	4.0"-14.0"		DIRECT	1170	0.2	1.33	208/3/60	78.1	110	11	BY MANUF.	BY ELECTRICAL	BACnet MSTP	BY MANUF.	2989	1,2,4,5
RTU-2	LAKE HALL	VALENT	VX-212-25I-M-J3	8100	1000		DIRECT	8100	2	3.788	8.96	10	2032	MANUF. PROVIDED	79.3	66.2	53	53	218.7	95	313.7	6	10.1	16.3			83.3	257.8	MODULATING	48.4	85.4	15:1	37	400	324	4.0"-14.0"		DIRECT	1594	0.2	3.62	208/3/60	140.5	175	9.8	BY MANUF.	BY ELECTRICAL	BACnet MSTP	BY MANUF.	4249	1,3,4,5

NOTES:
1. PROVIDE WITH HIGH STATIC KIT TO GET 2.3" ESP.
2. PROVIDE EQUIPMENT PAD THAT IS 13'-2" x 5'-0". REFER TO ISOLATED EQUIPMENT PAD STRUCTURAL DETAIL ON SHEET S002.
3. PROVIDE EQUIPMENT PAD THAT IS 14'-4" x 6'-4". REFER TO ISOLATED EQUIPMENT STRUCTURAL DETAIL ON SHEET S002.
4. PROVIDE WITH FULL ECONOMIZER.
5. REFRIGERANT TYPE R454B.

A2

REGISTER, GRILLE, AND DIFFUSER SCHEDULE

ID TAG	MANUFACTURER	MODEL	NECK SIZE (IN)	FACE SIZE (IN)	MAX CFM	MAX APD	MAX NC	MATERIAL	MOUNTING	FINISH	DAMPER (Y/N)	NOTES
E-1	TITUS	50F	<varies>	12x12	528	0.054	<varies>	STEEL	ACP	WHITE	NO	
E-2	TITUS	50F	N/A	24x24	2250	0.054	14	STEEL	ACP	WHITE	NO	
R-1	TITUS	50F	N/A	24x24	2250	0.054	14	STEEL	ACP	WHITE	NO	
R-2	TITUS	FL-10	N/A	4 FT, (2) 1" SLOTS	200	0.028	10	STEEL	NOTE 2	BLACK	NO	
R-3	TITUS	FL-25	12	4 FT, (2) 2.5" SLOTS	1200	0.068	25	STEEL	NOTE 2	BLACK	NO	3
S-1	TITUS	OMNI	6	12x12	118	<varies>	<varies>	STEEL	<varies>	WHITE	NO	
S-2	TITUS	OMNI	6	24x24	196	0.099	21	STEEL	ACP	WHITE	NO	
S-3	TITUS	OMNI	8	24x24	279	0.064	19	STEEL	ACP	WHITE	NO	
S-4	TITUS	111RL	10x10	12x12	354	0.065	15	STEEL	SIDEWALL	WHITE	NO	
S-5	TITUS	FL-10	8	4 FT, (2) 1" SLOTS	230	0.064	10	STEEL	NOTE 2	BLACK	YES	1,3,4,5
S-6	TITUS	FL-15	12	4 FT, (2) 1.5" SLOTS	360	0.087	18	STEEL	NOTE 2	BLACK	YES	1,3,4,5
S-7	TITUS	FL-10	8	6 FT, (2) 1" SLOTS	230	0.064	10	STEEL	NOTE 2	BLACK	YES	1,3,4,5
S-8	TITUS	FL-10-JT	8	4 FT, (1) 1" SLOT	250	0.099	18	STEEL	NOTE 2	BLACK	YES	1,3,4,5
S-9	TITUS	FL-25-JT	12	4 FT, (2) 2.5" SLOTS	1260	0.235	25	STEEL	NOTE 2	BLACK	YES	1,3,4,5

NOTES:
1. PROVIDE YOUNG REGULATOR COMPANY 270-275 WITH 5020CC DAMPER FOR REMOTE DAMPER CONTROL.
2. PROVIDE WITH TITUS CEILING/CEILING BORDER 66 WITH HANGER CLIP FOR MOUNTING IN CONTINUOUS CEILING SECTIONS.
3. PROVIDE DIFFUSER WITH 4' ATTACHED PLENUM.
4. DIFFUSERS GOING INTO PCS1a CEILING NEED HAVE A WIDTH OF LESS THAN 7 3/4".
5. LINEAR SLOT DIFFUSER WITH (2) SLOTS TO BE 2CRA STYLE.

VAV TERMINAL UNIT SCHEDULE

ID TAG	MANUFACTURER	MODEL	SIZE	CFM			REHEAT COIL						VALVE		NOTES
				MAX	MIN	HEATING	EWT (F)	GPM	EAT (F DB)	LAT (F DB)	APD* (IN WC)	WPD (FT HD)	# OF ROWS	2-WAY	3-WAY	
VAV-102	TITUS	DESV	6"	200	100	100	140	0.8	55	85	0.06	0.14	2	Yes	No	
VAV-103	TITUS	DESV	6"	100	50	50	140	0.8	55	85	0.02	0.14	2	Yes	No	
VAV-104	TITUS	DESV	10"	700	350	350	140	1.3	55	85	0.16	0.19	2	Yes	No	1
VAV-105-1	TITUS	DESV	10"	500	250	250	140	0.9	55	85	0.17	0.2	2	Yes	No	1
VAV-105-2	TITUS	DESV	14"	1300	650	650	140	2.7	55	85	0.14	0.37	2	Yes	No	1
VAV-112	TITUS	DESV	6"	150	75	75	140	0.8	55	85	0.04	0.14	2	Yes	No	
VAV-113	TITUS	DESV	6"	300	150	300	140	0.8	55	85	0.08	0.14	2	Yes	No	
VAV-117	TITUS	DESV	6"	225	115	225	140	0.8	55	85	0.08	0.14	2	Yes	No	
VAV-118	TITUS	DESV	6"	250	125	125	140	0.8	55	85	0.09	0.14	2	Yes	No	
VAV-119	TITUS	DESV	6"	200	100	100	140	0.8	55	85	0.06	0.14	2	Yes	No	
VAV-152	TITUS	DESV	8"	400	200	200	140	0.8	55	85	0.12	0.19	2	Yes	No	
VAV-156	TITUS	DESV	8"	275	140	140	140	0.8	55	85	0.07	0.19	2	Yes	No	
VAV-159	TITUS	DESV	6"	150	75	75	140	0.8	55	85	0.04	0.14	2	Yes	No	
VAV-163	TITUS	DESV	6"	250	125	175	140	0.8	55	85	0.09	0.14	2	Yes	No	
VAV-166	TITUS	DESV	8"	400	200	200	140	0.8	55	85	0.12	0.19	2	Yes	No	
VAV-168	TITUS	DESV	8"	400	200	200	140	0.8	55	85	0.12	0.19	2	Yes	No	
VAV-169-1	TITUS	DESV	16"	1800	900	900	140	3.3	55	85	0.18	0.23	2	Yes	No	1
VAV-169-2	TITUS	DESV	12"	900	450	450	140	1.8	55	85	0.15	0.34	2	Yes	No	1
VAV-170-1	TITUS	DESV	16"	1600	800	800	140	3.1	55	85	0.2	0.42	2	Yes	No	1
VAV-170-2	TITUS	DESV	12"	1000	500	500	140	1.8	55	85	0.15	0.34	2	Yes	No	1
VAV-RR	TITUS	DESV	8"	450	225	265	140	0.9	55	85	0.15	0.22	2	Yes	No	

NOTES:
1. PROVIDE WITH DUCT ATTENUATOR AT VAV BOX OUTLET.

FAN SCHEDULE

ID TAG	LOCATION	SERVICE	MANUFACTURER	MODEL	FAN TYPE	CFM	TSP (IN WC)	ESP (IN WC)	MOTOR HP	MAX BHP	FAN RPM	WHEEL			DRIVE TYPE	SOUND		VOLTAGE (V/PH/Hz)	MOTOR CONTROLLER		MAX WEIGHT (LBS)	NOTES
												MATERIAL	DIA (IN)	TYPE		SONES	DBA		MOTOR STARTER (E/S)	DISCONNECT SWITCH (E/S)		
EF-1	ROOF	LAKE HOUSE	GREENHECK	G-090-VG	EXHAUST	450	0.70	0.50	0.17	0.09	1655	ALUMINUM	10 7/8"	CENTRIFUGAL	DIRECT	8.2	56	208/60/1	ECM	S	41	1,2
EF-2	ROOF	LAKE HALL	GREENHECK	G-120-VG	EXHAUST	925	0.70	0.50	0.25	0.13	1104	ALUMINUM	13 1/16"	CENTRIFUGAL	DIRECT	7.6	55	208/60/1	ECM	S	59	1,2

NOTES:
1. PROVIDE A FACTORY MOUNTED ELECTRONICALLY COMMUTATED (EC) MOTOR WITH INTEGRAL DRIVE.
2. MANUFACTURER TO PROVIDE 14" HIGH ROOF CURB.

SPLIT SYSTEM INDOOR UNIT SCHEDULE

ID TAG	SERVICE	MANUFACTURER	MODEL	TYPE	NOMINAL TONS	ODU ID TAG	SUPPLY FAN	COOLING		ELECTRICAL		ACCESSORIES			WEIGHT (LBS)	NOTES
							SA CFM	SENSIBLE MBH	TOTAL MBH	VOLTAGE (V/PH/Hz)	MCA	COND PUMP	CONTROL	DISCONNECT		
AC-115	IT/AV-115	MITSUBISHI ELECTRIC	MSY-GX18NL	WALL MOUNT	1.5	CU-1	324	14.22	18	208/1/60	1	YES	THERMOSTAT	INCLUDE	37	1,2
AC-164	AV-164	MITSUBISHI ELECTRIC	PKA-AK30NL	WALL MOUNT	2.5	CU-2	635	18.6	30	208/1/60	1	YES	THERMOSTAT	INCLUDE	45	1,2,3

NOTES:
1. MOUNT 1'-0" ABOVE IT/AV CABLE TRAY, APPROXIMATELY 8'6" A.F.F.
2. MANUFACTURER TO PROVIDE REMOTE WALL MOUNTED THERMOSTAT.
3. PROVIDE WITH CONDENSATE PUMP.

A2

SPLIT SYSTEM OUTDOOR UNIT SCHEDULE

ID TAG	SERVICE	MANUFACTURER	MODEL	TYPE	NOMINAL TONS	IDU ID TAG	REFRIGERANT	COOLING				COMPRESSORS		ELECTRICAL			DBA	DISCONNECT	WEIGHT (LBS)	NOTES
								AMB (HI/LOW)	SENSIBLE MBH	TOTAL MBH	EFFICIENCY (SEER2)	QUANTITY	TYPE	VOLTAGE (V/PH/Hz)	MCA	MOCP				
CU-1	LAKE HOUSE AV ROOM	MITSUBISHI ELECTRIC	MUY-GX18NL	COOLING ONLY	1.5	AC-115	R454B	95	14.22	18	22.5	1	TWIN ROTARY	208/1/60	23	25	54	INCLUDE	116	
CU-2	LAKE HALL AV ROOM	MITSUBISHI ELECTRIC	PUY-AH30NL	COOLING ONLY	2.5	AC-164	R454B	95	18.6	30	19.7	1	TWIN ROTARY	208/1/60	22	37	49	INCLUDE	155	

HYDRONIC CABINET HEATER SCHEDULE

ID TAG	SERVICE	MANUFACTURER	MODEL	TYPE	FAN		HYDRONIC HEATING SECTION						ELECTRICAL		ACCESSORIES		WEIGHT (LBS)	NOTES
					CFM	HP	EAT DB	OUTPUT MBH	FLUID	EWT (F)	LWT (F)	GPM	WPD (FT HD)	VOLTAGE (V/PH/Hz)	FLA	CONTROL	DISCONNECT	
CUH-1	LAKE HOUSE VESTIBULE	ZEHNDER-RITTLING	RC/W-420-06	WALL RECESSED	620	1/15	65	24.7	WATER	140	100	1.3	0.6	120/1/60	1.13	THERMOSTAT	BY MANUF.	130	

FAN COIL UNIT SCHEDULE

ID TAG	SERVICE	MANUFACTURER	MODEL	SUPPLY FAN				HEATING COIL						ELECTRICAL				CONTROL	WEIGHT	NOTES
				CFM	ESP (IN WC)	BHP	HP	EAT (F DB)	LAT (F DB)	EWT (F)	LWT (F)	GPM	WPD (FT HD)	VOLTAGE (V/PH/Hz)	FLA	MCA	MOCP			
FCU-1	LAKE HALL VESTIBULE	ENVIRO-TEC	HLP-D SIZE 10	1100	0.5	0.17	(2) 1/4	50	76	140	120	3.12	1.89	115/1/60	5.8	6.52	15	3-SPEED ADJUSTABLE	102	1

NOTES:
1. MANUFACTURER TO PROVIDE REMOTE WALL MOUNTED THERMOSTAT.

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2022	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	CUHLIG
Designer	CUHLIG
Reviewer	GLOUIS
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.

2500281

SHEET NO.

H701

©Copyright 2026
All Rights Reserved

PLOT INFO: 10/27/2026 9:34:44 AM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_M_2500281.rvt

MISCELLANEOUS EQUIPMENT SCHEDULE

ID TAG	DESCRIPTION
AS-1	AIR SEPARATOR, SPIROTHERM MODEL VJR-1C. MAX FLOW OF 40 GPM.
ET-1	PRESSURIZED EXPANSION TANK, AMTROL MODEL AX-10-DD
SS-1	SIDE STREAM FILTER , SHELCO MODEL F0-78

IN-FLOOR TRENCH HEATER SCHEDULE

ID TAG	SERVICE	MANUFACTURER	MODEL	TYPE	BTUH	TRENCH LENGTH	TRENCH WIDTH	HEIGHT	MOUNTING	CFM	FLUID	AVERAGE WATER TEMP (F)	GPM
TH-103	PERIMETER HEAT	KAMPMANN	KATHERM QK 215	FAN ASSISTED TRENCH HEATER	3266	116"	8.5"	6"	IN FLOOR	86	WATER	130	0.28
TH-104-1	PERIMETER HEAT	KAMPMANN	KATHERM QK 215	FAN ASSISTED TRENCH HEATER	544	30"	8.5"	6"	IN FLOOR	23	WATER	130	0.05
TH-104-3	PERIMETER HEAT	KAMPMANN	KATHERM QK 215	FAN ASSISTED TRENCH HEATER	3266	116"	8.5"	6"	IN FLOOR	86	WATER	130	0.28
TH-104-4	PERIMETER HEAT	KAMPMANN	KATHERM QK 215	FAN ASSISTED TRENCH HEATER	3266	116"	8.5"	6"	IN FLOOR	86	WATER	130	0.28
TH-105-1	PERIMETER HEAT	KAMPMANN	KATHERM QK 215	FAN ASSISTED TRENCH HEATER	3266	116"	8.5"	6"	IN FLOOR	86	WATER	130	0.28
TH-105-2	PERIMETER HEAT	KAMPMANN	KATHERM QK 215	FAN ASSISTED TRENCH HEATER	3266	116"	8.5"	6"	IN FLOOR	86	WATER	130	0.28
TH-105-3	PERIMETER HEAT	KAMPMANN	KATHERM QK 215	FAN ASSISTED TRENCH HEATER	3266	116"	8.5"	6"	IN FLOOR	86	WATER	130	0.28
TH-105-4	PERIMETER HEAT	KAMPMANN	KATHERM QK 215	FAN ASSISTED TRENCH HEATER	3266	116"	8.5"	6"	IN FLOOR	86	WATER	130	0.28
TH-152-1	PERIMETER HEAT	KAMPMANN	KATHERM QK 215	FAN ASSISTED TRENCH HEATER	3266	116"	8.5"	6"	IN FLOOR	86	WATER	130	0.28
TH-152-2	PERIMETER HEAT	KAMPMANN	KATHERM QK 215	FAN ASSISTED TRENCH HEATER	3266	116"	8.5"	6"	IN FLOOR	86	WATER	130	0.28
TH-169-1	PERIMETER HEAT	KAMPMANN	KATHERM QK 215	FAN ASSISTED TRENCH HEATER	3266	116"	8.5"	6"	IN FLOOR	86	WATER	130	0.28
TH-169-2	PERIMETER HEAT	KAMPMANN	KATHERM QK 215	FAN ASSISTED TRENCH HEATER	3266	116"	8.5"	6"	IN FLOOR	86	WATER	130	0.28
TH-169-3	PERIMETER HEAT	KAMPMANN	KATHERM QK 215	FAN ASSISTED TRENCH HEATER	3266	116"	8.5"	6"	IN FLOOR	86	WATER	130	0.28
TH-169-4	PERIMETER HEAT	KAMPMANN	KATHERM QK 215	FAN ASSISTED TRENCH HEATER	3266	116"	8.5"	6"	IN FLOOR	86	WATER	130	0.28
TH-170-1	PERIMETER HEAT	KAMPMANN	KATHERM QK 215	FAN ASSISTED TRENCH HEATER	3266	116"	8.5"	6"	IN FLOOR	86	WATER	130	0.28
TH-170-2	PERIMETER HEAT	KAMPMANN	KATHERM QK 215	FAN ASSISTED TRENCH HEATER	3266	116"	8.5"	6"	IN FLOOR	86	WATER	130	0.28
TH-170-3	PERIMETER HEAT	KAMPMANN	KATHERM QK 215	FAN ASSISTED TRENCH HEATER	3266	116"	8.5"	6"	IN FLOOR	86	WATER	130	0.28
TH-170-4	PERIMETER HEAT	KAMPMANN	KATHERM QK 215	FAN ASSISTED TRENCH HEATER	3266	116"	8.5"	6"	IN FLOOR	86	WATER	130	0.28

NOTES:
1. PROVIDE WITH EXTENDED TRENCH TO COVER ENTIRE DISTANCE BETWEEN COLUMNS
2. PROVIDE WITH ROLL UP GRILLE FOR MAINTENANCE TO ALLOW GRILLES TO BE REMOVED AND CLEANED PERIODICALLY.
3. PROVIDE 24V POWER FOR FAN.
4. STAINLESS STEEL GRILLE
5. EPOXY-COATED ELEMENT
6. POWER-COATED OR ANODIZED VISIBLE METAL.
7. LEGS TO ACCOMMODATE 8" DEEP TRENCH.

DUCT SILENCER SCHEDULE

ID TAG	MANUFACTURER	MODEL	CFM	SP (IN WC)	VELOCITY (FPM)	DIMENSIONS (IN)			MINIMUM INSERTION LOSS RATINGS (dB)								NOTES
						WIDTH	HEIGHT	LENGTH	63	125	250	500	1000	2000	4000	8000	
DS-RTU-1RA	PRICE	RMX72/3E	3900	0.14	1170	24	20	72	9	16	29	44	46	38	25	16	
DS-RTU-1SA	PRICE	RMX72/2D	3900	0.14	1530	20	20	72	6	12	22	39	43	36	23	17	
DS-RTU-2RA	PRICE	RM60/XD	8100	0.24	1325	40	22	60	9	14	18	25	20	13	11	8	

A2

RADIANT WALL PANEL SCHEDULE

ID TAG	LOCATION	MANUFACTURER	MODEL	BTUH/LF	FIN TUBE LENGTH	AVERAGE WATER TEMP (F)	GPM	NOTES
RWP-104-1	LAKE HOUSE	RUNTAL	RF-1	182	7'4"	130	0.13	2
RWP-104-2	LAKE HOUSE	RUNTAL	RF-1	182	2' 6"	130	0.13	2
RWP-104-3	LAKE HOUSE	RUNTAL	RF-1	182	10' 8"	130	0.19	1
RWP-104-4	LAKE HOUSE	RUNTAL	RF-1	182	10' 8"	130	0.19	1
RWP-105-1	LAKE HOUSE	RUNTAL	RF-1	182	10' 8"	130	0.19	1
RWP-105-2	LAKE HOUSE	RUNTAL	RF-1	182	10' 6"	130	0.19	1
RWP-105-3	LAKE HOUSE	RUNTAL	RF-1	182	10' 6"	130	0.19	1
RWP-105-4	LAKE HOUSE	RUNTAL	RF-1	182	22' 8"	130	0.41	2
RWP-169-1	LAKE HALL	RUNTAL	RF-1	182	15' 2"	130	0.28	2
RWP-169-2	LAKE HALL	RUNTAL	RF-1	182	15' 4"	130	0.28	2
RWP-169-3	LAKE HALL	RUNTAL	RF-1	182	14' 4"	130	0.26	1
RWP-169-4	LAKE HALL	RUNTAL	RF-1	182	14' 4"	130	0.26	1
RWP-170-1	LAKE HALL	RUNTAL	RF-1	182	14' 4"	130	0.26	1
RWP-170-2	LAKE HALL	RUNTAL	RF-1	182	14' 4"	130	0.26	1
RWP-170-3	LAKE HALL	RUNTAL	RF-1	182	15' 6"	130	0.28	2
RWP-170-4	LAKE HALL	RUNTAL	RF-1	182	15' 6"	130	0.28	2

NOTES:
1. PROVIDE WITH 1/2" TALL CUSTOM PEDESTAL TO BE MOUNTED ON STRUCTURAL TUBE.
2. PROVIDE KR30 CANTILEVER BRACKET FOR MOUNTING TO THE MULLIONS.

BOILER SCHEDULE

ID TAG	SERVICE	MANUFACTURER	MODEL	TYPE	REQUIRED OUTPUT (MBH)	BURNER			TURNDOWN RATIO	EWT (F)	LWT (F)	GPM	FLUID	MAX PD (FT HD)	MIN AHRI EFFICIENCY %	MAX WORKING PRESSURE (PSIG)	RELIEF VALVE SET PRESSURE (PSIG)	ELECTRICAL				NOTES
						FUEL TYPE	INPUT (MBH)	GAS PRESSURE (IN W.C.)										VOLTAGE (V/PH/Hz)	FLA	MCA	DISCONNECT	
B-1	LAKE HOUSE	LOCHINVAR	WHB199N	WALL-HUNG	146	NATURAL GAS	199	4.0-14.0	10:1	120	140	19	WATER	1.13	95	80	30	120	3.3	4.2		1-5
B-2	LAKE HOUSE	LOCHINVAR	WHB199N	WALL-HUNG	146	NATURAL GAS	199	4.0-14.0	10:1	120	140	19	WATER	1.13	95	80	30	120	3.3	4.2		1-5
B-3	LAKE HALL	LOCHINVAR	WHB285N	WALL-HUNG	215	NATURAL GAS	285	4.0-14.0	10:1	120	140	27	WATER	2.42	95	80	30	120	3.6	4.5		1-5
B-4	LAKE HALL	LOCHINVAR	WHB285N	WALL-HUNG	215	NATURAL GAS	285	4.0-14.0	10:1	120	140	27	WATER	2.42	95	80	30	120	3.6	4.5		1-5

NOTES:
1. PROVIDE WITH BOILER PUMPS, SEE PUMP SCHEDULE
2. PROVIDE 30 PSI PRESSURE RELIEF VALVE
3. PROVIDE CONDENSATE NEUTRALIZATION KIT
4. PROVIDE CONCENTRIC VENTING KIT
5. PROVIDE WALL MOUNTING KIT

PUMP SCHEDULE

ID TAG	SERVICE	MANUFACTURER	MODEL	TYPE	GPM	TDH (FT HD)	OPERATING RPM	FLUID	EFFICIENCY MIN %	SUCTION SIZE (IN)	DISCHARGE SIZE (IN)	MOTOR			ELECTRICAL	MOTOR CONTROL		NOTES
												RPM	HP	BHP MAX	VOLTAGE (V/PH/Hz)	STARTER	DRIVE/SPEED CONTROL	
BP-1	LAKE HOUSE B-1	GRUNDFOS	UPXML	IN-LINE	19	16	-	WATER	-	1.5	1.5	-	120 W	-	115/1		ECM	1
BP-2	LAKE HOUSE B-2	GRUNDFOS	UPXML	IN-LINE	19	16	-	WATER	-	1.5	1.5	-	120 W	-	115/1		ECM	1
BP-3	LAKE HALL B-3	GRUNDFOS	UPXML	IN-LINE	27	8	-	WATER	-	2	2	-	120 W	-	115/1		ECM	1
BP-4	LAKE HALL B-4	GRUNDFOS	UPXML	IN-LINE	27	8	-	WATER	-	1.61	1.61	-	120 W	-	115/1		ECM	1
HWP-1	LAKE HOUSE	B&G	Ecocirc XL 65-130	IN-LINE	20	40	2777	WATER	31.8	1.61	1.61	2777	1	0.634	208/1/60		ECM	
HWP-2	LAKE HOUSE	B&G	Ecocirc XL 65-130	IN-LINE	20	40	2777	WATER	31.8	1.61	1.61	2777	1	0.634	208/1/60		ECM	
HWP-3	LAKE HALL	B&G	Ecocirc XL 65-130	IN-LINE	30	45	2960	WATER	39.6	1.61	1.61	2960	1	0.86	208/1/60		ECM	
HWP-4	LAKE HALL	B&G	Ecocirc XL 65-130	IN-LINE	30	45	2960	WATER	39.6	1.61	1.61	2960	1	0.86	208/1/60		ECM	

NOTES:
1. CIRCULATOR PUMPS PROVIDED WITH BOILER BY MANUFACTURER.

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2022	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	CUHLIG
Designer	CUHLIG
Reviewer	GLOUIS
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

SHEET NO.
H702

©Copyright 2026
All Rights Reserved

PLOT INFO: 10/27/2026 9:28:41 AM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_M_2500281.rvt

LUMINAIRE SCHEDULE

MARK	DESCRIPTION	BASIS OF DESIGN MFR.	CATALOG NO.	APPROVED EQUAL MFR. #1	APPROVED EQUAL MFR. #2	LUMINAIRE DATA						REMARKS
						VOLTAGE	LOAD	LUMENS	CCT	CRI	DIMMING	
A1	2x2 RECESSED LED FLAT PANEL	LITHONIA	CPANL 2X2 AL01 SWW7M4	METALUX	ELITE LIGHTING	120 V	41 VA	4,400 lm	4000 K	80	0-10V	
A1E	2x2 RECESSED LED FLAT PANEL WITH EMERGENCY BATTERY BACK-UP	LITHONIA	CPANL 2X2 AL01 SWW7M4 ILPCP10A	METALUX	ELITE LIGHTING	120 V	41 VA	4,400 lm	4000 K	80	0-10V	INTEGRAL EMERGENCY BATTERY
A1S	2x2 RECESSED LED FLAT PANEL EXCEPT WITH SURFACE DRYWALL GRID ADAPTER	LITHONIA	CPANL 2X2 AL01 SWW7M4 DGA22	METALUX	ELITE LIGHTING	120 V	41 VA	4,400 lm	4000 K	80	0-10V	SURFACE DRYWALL GRID ADAPTER
B	DECORATIVE PENDANT MOUNTED LUMINAIRE. 17'/5"H x 25"W, 5" ROUND CANOPY, (40 C11, 12W CANDELABRA BASED LAMPS, 6'0" CHAIN. MOUNT WITH BOTTOM AT 7'6" AFF	VISUAL COMFORT & CO.	ARN 5173G-CG	(NONE)		120 V	8 VA				0-10V	LUMINAIRE FINISH SHALL BE METALLIC SILVER WITH CHROME SUPPORT ARMS
C4	4 INCH x 4' RECESSED LINEAR FIXTURE.	FINELITE	HP-4-R-D-10'-S-840-F-96LG-120-SC-FC-10%-C1-FE-SW	AXIS LIGHTING	3G LIGHTING	120 V	35 VA	4,440 lm	4000 K	80	0-10V	FLUSH DIFFUSER; 15/16" T-BAR
C4E	4 INCH x 4' RECESSED LINEAR FIXTURE WITH BATTERY BACK-UP.	FINELITE	HP-4-R-D-10'-S-840-F-96LG-120-SC-FC-10%-C1-FE-SW-LGD10W	AXIS LIGHTING	3G LIGHTING	120 V	35 VA	4,440 lm	4000 K	80	0-10V	10W, 90-MIN. BATTERY BACK-UP
C4F	4 INCH x 4' RECESSED LINEAR FIXTURE. FLANGED FOR GYP CEILING.	FINELITE	HP-4-R-D-10'-S-840-F-96LG-120-SC-FC-10%-VF-FE-SW	AXIS LIGHTING	3G LIGHTING	120 V	35 VA	4,440 lm	4000 K	80	0-10V	VISIBLE FLANGE FOR GYP CEILING
C10	4 INCH x 10' RECESSED LINEAR FIXTURE.	FINELITE	HP-4-R-D-10'-B-840-F-96LG-120-SC-FC-10%-C1-FE-SW	AXIS LIGHTING	3G LIGHTING	120 V	93 VA	11,000 lm	4000 K	80	0-10V	BOOSTED OUTPUT
D1	4" RECESSED LED DOWNLIGHT WIDE DISTRIBUTION	GOTHAM	IV04-D-15LM-40K-80CRI-MWD-MIN1-MVOLT-ZT-NCH-P-AR-LSS-F	USAI	3G LIGHTING	120 V	30 VA	2,732 lm	4000 K	80	0-10V	
D1E	4" RECESSED LED DOWNLIGHT WITH WIDE DISTRIBUTION ADN INTEGRAL EMERGENCY BATTERY PACK	GOTHAM	IV04-D-30LM-40K-80CRIWD-MIN1-MVOLT-ZT-E10W-NCH-P-AR-LSS-F	USAI	3G LIGHTING	120 V	30 VA	1,486 lm	4000 K	80	0-10V	INTEGRAL EMERGENCY BATTERY
E1	4" RECESSED LED DOWNLIGHT	METEOR	RS4N-20-408-120-STV-45-WHT	USAI	3G LIGHTING	120 V	20 VA	2,080 lm	4000 K	85	0-10V	45° BEAM; WHITE TRIM
E1E	4" RECESSED LED DOWNLIGHT WITH REMOTE EMERGENCY BATTERY PACK	METEOR	RS4N-20-408-120-STV-45-WHT + EMP	USAI	3G LIGHTING	120 V	20 VA	2,080 lm	4000 K	85	0-10V	REMOTE EMERGENCY PACK; 1,720 LM EMERGENCY OUTPUT
EM	MULLION MOUNT EMERGENCY LIGHT WITH REMOTE POWER SUPPLY	LIGHTLALARMS	LAMM-SP	(NONE)	(NONE)		16 VA	900 lm	4000 K			ROUTE WIRING WITHIN MULLION.
F2	23" x 4.75"x 4.5"D WITH A 4.5" x 7" BACKPLATE. BRONZE FINISH, WHITE GLASS DIFFUSER, VANITY LIGHT, MOUNTED HORIZONTALLY. EQUIP WITH (2) 60W T-10 EQUIVALENT LAMPS	VISUAL COMFORT & CO.	S-2164BZ-WG	(NONE)	(NONE)	120 V	16 VA	800 lm	4000 K	80	NO	MOUNT AT 7'-0" AFF
F5	5' SURFACE WALL MOUNTED VANITY LIGHT	VISA	CV1718-L40K(L)-MVOLT-GSILV	AXIS LIGHTING	CAMMAN LIGHTING	120 V	27 VA	2,000 lm	4000 K	80	0-10V	MOUNT AT 7'-0" AFF
G2	RECESSED WALK-OVER LED IN-GRADE COLUMN UPLIGHT, 90°V x 15°H BI-SYMMETRIC OPTIC, FLUSH TRIM	LUMENPULSE	LBIL-WO-120/277-30K-90x15-CL-DIM-FLN-SSB-RBO-ASL-HRS-UL	MEYER LIGHTING	KIM LIGHITNG	120 V	60 VA					
HR	RECESSED LED LIGHT INTEGRATED INTO THE HANDRAIL POSTS AND ASSOCIATED WIRING AND POWER SUPPLIES AND IP67 ENCLOSURES.	MINIMIS	PX-MP-30-BK-NOKIT-PKMP1630 (SIX)-10V	(NONE)	(NONE)	120 V	2 VA	19 lm	3000 K	90	0-10V	44444
J1	18" DECORATIVE LED DRUM, SURFACE MOUNTED	LUMETTA	SM5188/F11/D61/L411	SHAPER	CAMMAN LIGHTING	120 V	21 VA	1,782 lm	4000 K	90	0-10V	WHITE FINISH / DIFFUSER
K1	24" DECORATIVE CHANDELIER	MOOOIE	HERACLEUM III THE BIG O	SHAPER	CORONET LED	120 V	32 VA	2,940 lm	4000 K	90	0-10V	ARO PENDANT; MATTE WHITE; FIELD-ADJUSTABLE SUSPENSION; COORD. WITH ARCHITECT
L	ILLUMINATED MIRROR	BRADLEY	7B1-20-0-24-36	(NONE)	(NONE)	120 V	37 VA	3,650 lm	3000 K	90		
N2	18"L x 2.55"D x 1.07"H UNDERCABINET LIGHT	JUNO	UCES 18IN SWW5 90CRI WH M6	LITELINE	ELITE LIGHTING	120 V	13 VA	1,100 lm	4000 K	90		DIRECT WIRE; SET SELECTABLE CCT TO 4000K
OB1	13' LED SITE LIGHT COLUMN, ROUND PROFILE, DIFFUSED LENS	HESS	SE4000Q-IF-13-30K-DIM-UNV-BL			120 V	37 VA	3,738 lm	3000 K	80	0-10V	39-3/8" HIGH; ONE-SIDED DISTRIBUTION
OB2	LED BOLLARD, SHIELDED 180° DISTRIBUTION	BEGA	77 753, K3	WE-EF	TARGETTI USA	120 V	10 VA	411 lm	3000 K	80	0-10V	39-3/8" HIGH; ONE-SIDED DISTRIBUTION
PAC	ILLUMINATED PEBBLE, STYLE "A" IN "CITRINE" COLOR	ANDLight	PEBBLE-CW-A-CI-DWP010-120	(NOTE)	(NONE)	120 V	9 VA	622 lm	2700 K	90	0-10V	
PAS	ILLUMINATED PEBBLE, STYLE "A" IN "SLATE" COLOR	ANDLight	PEBBLE-CW-A-SL-DWP010-120	(NOTE)	(NONE)	120 V	9 VA	622 lm	2700 K	90	0-10V	
PBC	ILLUMINATED PEBBLE, STYLE "B" IN "CITRINE" COLOR	ANDLight	PEBBLE-CW-B-CI-DWP010-120	(NONE)	(NONE)	120 V	9 VA	622 lm	2700 K	90	0-10V	
PBP	ILLUMINATED PEBBLE, STYLE "B" IN "PEARL" COLOR	ANDLight	PEBBLE-CW-B-PL-DWP010-120	(NONE)	(NONE)	120 V	9 VA	622 lm	2700 K	90	0-10V	
PCC	ILLUMINATED PEBBLE, STYLE "C" IN "CITRINE" COLOR	ANDLight	PEBBLE-CW-C-CI-DWP010-120	(NONE)	(NONE)	120 V	9 VA	622 lm	2700 K	90	0-10V	
PCP	ILLUMINATED PEBBLE, STYLE "C" IN "PEARL" COLOR	ANDLight	PEBBLE-CW-C-PL-DWP010-120	(NONE)	(NONE)	120 V	9 VA	622 lm	2700 K	90	0-10V	
PDP	ILLUMINATED PEBBLE, STYLE "D" IN "PEARL" COLOR	ANDLight	PEBBLE-CW-D-PL-DWP010-120	(NONE)	(NONE)	120 V	9 VA	622 lm	2700 K	90	0-10V	
PDS	ILLUMINATED PEBBLE, STYLE "D" IN "SLATE" COLOR	ANDLight	PEBBLE-CW-D-SL-DWP010-120	(NONE)	(NONE)	120 V	9 VA	622 lm	2700 K	90	0-10V	
Q1	52" BOLA FELT	PABLO	BOLA FELT 24	(NONE)	(NONE)	120 V	20 VA	800 lm	2700 K	95	0-10V	8.9 FT. FIELD CUTTABLE CABLE. COORDINATE LENGTH WITH THE ARCHITECT,
Q2	42" BOLA FELT	PABLO	BOLA FELT 32	(NONE)	(NONE)	120 V	12 VA	1,625 lm	2700 K	95	0-10V	8.9 FT. FIELD CUTTABLE CABLE. COORDINATE LENGTH WITH THE ARCHITECT,
Q3	32" BOLA FELT	PABLO	BOLA FELT 42	(NONE)	(NONE)	120 V	12 VA	1,625 lm	2700 K	95	0-10V	8.9 FT. FIELD CUTTABLE CABLE. COORDINATE LENGTH WITH THE ARCHITECT,
Q4	24 BOLA FELT	PABLO	BOLA FELT 52	(NONE)	(NONE)	120 V	12 VA	1,625 lm	2700 K	95	0-10V	8.9 FT. FIELD CUTTABLE CABLE. COORDINATE LENGTH WITH THE ARCHITECT,
R1	4"x8' LINEAR	LUMENPULSE	LCM2RO-UL-120-12-27-TAW-FR	(NONE)	(NONE)		3 VA	405 lm	2700 K	80	0-10V	PROVIDE DIGITAL DATA BRIDGE AND ALL CONNECTORS, CORDS FOR A COMPLETE SYSTEM. ADJUST R1 AND R4 LUMINIARES FOR OPTIMAL PERFORMANCE. OVERLAP FIXTURES AS REQUIRED TO ACCOMMODATE COVE LENGTHS.
R4	4"x8' LINEAR	LUMENPULSE	LCM2RO-UL-1200-48-27-TAW-FR	(NONE)	(NONE)		12 VA	1,214 lm	2700 K	80	0-10V	
SK1	LED LIGHTING AT SKYRING.	LUMENPULSE	LFM-CR-UL-120-277-36-22-MRGBA-10x30x-CL-NF-LT-VRN-SM-XD-BK-NA SERIES	(NONE)	(NONE)	120 V	66 VA	7,610 lm	4100 K	90	0-10V	PROVIDE ALL ACCESSORIES, JUMPERS, MOUNTING BRACKETS FOR A COMPLETE AND FUNCTIONING SYSTEM.
TC	6' RECESSED LINEAR LED FIXTURE	FINELITE	HP-4-R-D-6'-B-840-F-96LG-120-SC-FC-10%-C1-FE	AXIS LIGHTING	3G LIGHTING	120 V	27 VA	3,420 lm	4000 K	80	0-10V	FLUSH DIFFUSER
TCE	6' RECESSED LINEAR LED FIXTURE	FINELITE	HP-4-R-D-6'-B-840-F-96LG-120-SC-FC-10%-C1-FE-LGD10W	AXIS LIGHTING	3G LIGHTING	120 V	27 VA	3,420 lm	4000 K	80	0-10V	FLUSH DIFFUSER AND 4 FOOT SECTION WITH 10W BATTERY BACK-UP
U1	4' SURACE MOUNTED LED STRIP FIXTURE	LITHONIA	CLX-L48-4000LM-SEF-RDL-MVOLT-40K-80CRI-WH	COLUMBIA	LSI INDUSTRIES	120 V	23 VA	4,237 lm	4000 K	80	0-10V	-
U1E	4' SURFACE MOUNTED LED STRIP FIXTURE WITH INTEGRAL EMERGENCY BATTERY PACK	LITHONIA	CLX-L48-4000LM-SEF-RDL-MVOLT-40K-80CRI-E10W-WH-THCLX WH	COLUMBIA	LSI INDUSTRIES	120 V	23 VA	4,237 lm	4000 K	80	0-10V	INTEGRAL EMERGENCY BATTERY
V	4" STRIP LIGHT (0.2"W x 0.06"H AND LENSED CHANNEL (0.31"W x 0.31"H) WITH END CAPS AND METAL MOUNTING CLIPS, 3.58" OF TAPE IN A 4" CHANNEL. TO BE INTEGRATED INTO WALL TO ILLUMINATE A TRANSLUCENT TILE	OMNILIGHT:	TRUM-4100-HO-LPCFR-AEC-2-MM / OCH-134	COLUMBIA	(NONE)	120 V	1 VA	95 lm	4100 K	90	0-10V	
W8	4 INCH x 8' RECESSED LINEAR WALL-WASH FIXTURE	FINELITE	HP-4-R-WW-D-8'-S-840-K-SSA-120-SC-FC-10%-C1-FE-SW	AXIS LIGHTING	CORONET LED	120 V	18 VA	3,220 lm	4000 K	80	0-10V	WALL WASH
WP1	LED FULL-CUTOFF WALL PACK	LITHONIA	WPX1 LED P2 30K MVOLT DDBXD-E14WC	LUMARK	LSI INDUSTRIES	120 V	24 VA	2,478 lm	3000 K	70	0-10V	TYPE III SHORT DISTRIBUTION; DARK BRONZE; WET LOCATION; IP66
X1	SINGLE FACE LED EXIT SIGN, BACK MOUNTED, SELF POWERED WITH INTEGRAL BATTERY.	SURE-LITES	CX 7 1 SD	LITHONIA	LIGHTALARMS	120 V	6 VA				--	CHEVRONS AS INDICATED ON PLANS
X2	DOUBLE FACE LED EXIT SIGN, CEILING MOUNT, SELF POWERED WITH INTEGRAL BATTERY.	SURE-LITES	CX 7 2 SD	LITHONIA	LIGHTALARMS	120 V	8 VA				--	CHEVRONS AS INDICATED ON PLANS
X3	SINGLE FACE LED EXIT SIGN, CEILING MOUNTED, SELF POWERED WITH INTEGRAL BATTERY.	SURE-LITES	CX 7 1 SD	LITHONIA	LIGHTALARMS	120 V	6 VA				--	CHEVRONS AS INDICATED ON PLANS
X4	SINGLE FACE LED EXIT SIGN, END MOUNTED - LEFT, SELF POWERED WITH INTEGRAL BATTERY.	SURE LITES	CX 7 1 SD	LITHONIA	LIGHTALARMS	120 V	6 VA					CHEVRONS AS INDICATED ON PLANS
X5	SINGLE FACE LED EXIT SIGN, END MOUNTED - RIGHT, SELF POWERED WITH INTEGRAL BATTERY.	SURE LITES	CX 7 1 SD	LITHONIA	LIGHTALARMS	120 V	6 VA					CHEVRONS AS INDICATED ON PLANS

PLOT INFO: 10/27/2026 11:13:43 AM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_E_2500281.rvt

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

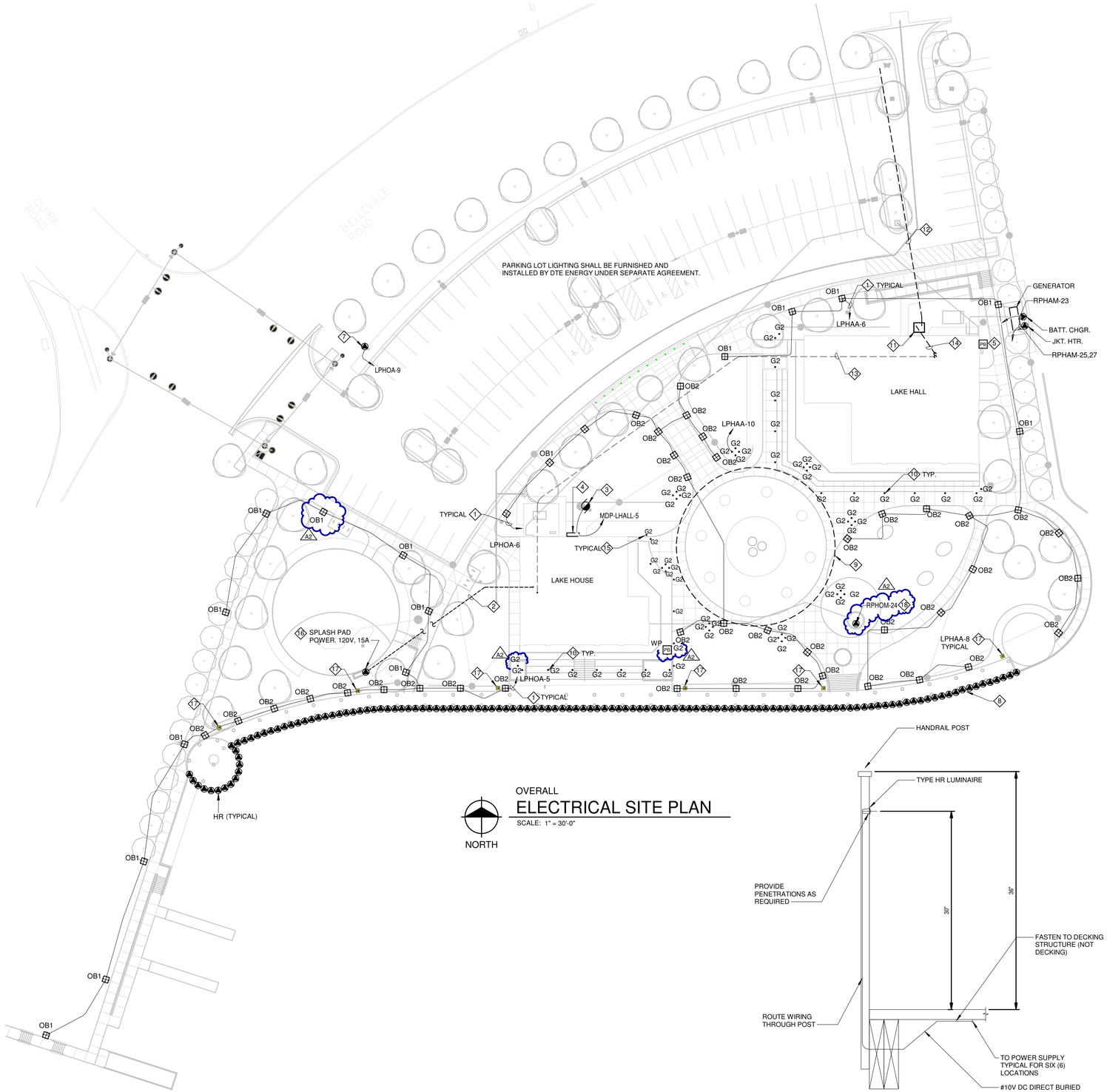
Drawn By	JMILOCH
Designer	JMILOCH
Reviewer	STKAM
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

SHEET NO.
E003

©Copyright 2026
All Rights Reserved



OVERALL
ELECTRICAL SITE PLAN
SCALE: 1" = 30'-0"

NORTH

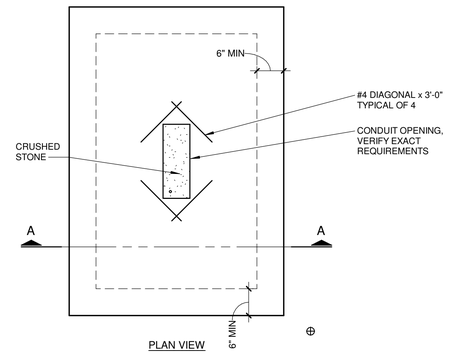
HANDRAIL LIGHTING (TYPE HR) DETAIL
SCALE: 1 1/2" = 1'-0"

GENERAL NOTES

1. CONDUIT AND WIRE SHALL BE 2#12, #12G, 3/4"C. UNLESS NOTED OTHERWISE.
2. REFER TO DRAWING C102 FOR EXISTING LIGHT POLE REMOVAL REQUIREMENTS.

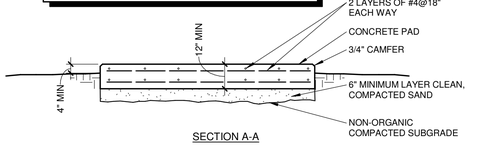
KEY NOTES

1 POLE LIGHTING BRANCH CIRCUITS SHALL BE 2#8 & #10G IN 1"C, U.G. UNLESS NOTED OTHERWISE.
2 ELECTRICAL FEEDER FOR THE SPLASH PAD EQUIPMENT. 2#8, #8 GRD, 1"C. TO 1P15A CIRCUIT BREAKER IN PANEL RP-HOM.
3 GPS-1 SANITARY GRINDER PUMP STATION. APPROXIMATE LOCATION SHOWN; COORDINATE FINAL LOCATION WITH CIVIL.
4 GPS-1 CONTROL PANEL. REFER TO SHEETS E301 AND E401 FOR ADDITIONAL INFORMATION.
5 PROVIDE NEMA 3R REMOTE GENERATOR E-STOP STATION WITHIN SIGHT OF GENERATOR. COORDINATE CONNECTION WITH GENERATOR MANUFACTURER.
6 NOT USED.
7 PROVIDE (2) 2" CONDUITS FROM ELECTRICAL ROOM 107 IN LAKE HOUSE BUILDING TO MARQUEE SIGN. CAP AND MARK ONE CONDUIT AS SPARE. IN SECOND CONDUIT, PROVIDE 2#6 AND #6G. COORDINATE FINAL POWER AND CONNECTION REQUIREMENTS WITH SIGNAGE SHOP DRAWINGS AND OWNER PRIOR TO ROUGH-IN.
8 PROVIDE COMPLETE 12VDC LED HANDRAIL LIGHTING SYSTEM, INCLUDING LUMINAIRES, CLASS II POWER SUPPLIES, WEATHERPROOF ENCLOSURES, WIRING, AND ACCESSORIES. COORDINATE QUANTITY, SPACING, MOUNTING, AND POWER SUPPLY LOCATIONS WITH HANDRAIL SHOP DRAWINGS AND MANUFACTURER'S REQUIREMENTS. HANDRAILS ARE APPROXIMATELY 4'0" ON CENTER. REFER TO THE DETAIL ON THIS DRAWING.
9 LED PERIMETER LIGHTING TO GRAZE THE UNDERSIDE OF THE SKYRING. ANTICIPATE A RADIUS OF 283'0". LUMINAIRES SHALL BE TYPE "SK1". REFER TO THE FIXTURE SCHEDULE. DRIVERS SHALL BE MOUNTED IN THE STRUCTURE, HIDDEN FROM VIEW.
10 UPLIGHTS TO ILLUMINATE THE COLUMNS, REFER TO E101 AND E102 FOR MORE INFORMATION.
11 DTE PAD MOUNTED TRANSFORMER. VERIFY CONDUIT ROUTING WITH THE SERVICE PLANNER, PRIOR TO STARTING CONSTRUCTION. REFER TO THE DTE DETAILS ON E603.
12 (2) 5" SCHEDULE 40 PVC CONDUITS TO THE PROPERTY LINE WITH PULL STRINGS AT THE LOCATION DETERMINED BY THE DTE SERVICE PLANNER.
13 FEEDER TO LAKE HOUSE. REFER TO E401 FOR FURTHER INFORMATION.
14 SERVICE ENTRANCE CONDUCTORS. REFER TO E401 FOR FURTHER INFORMATION.
15 REFER TO E101 AND E102 FOR COLUMN UPLIGHT CIRCUITING.
16 FOR THE SPLASH PAD, THE ELECTRIC CONTRACTOR SHALL OBTAIN AN ELECTRICAL PERMIT FOR THE SPLASH PAD AND PERFORM THE FINAL HOOK UP AND BONDING LOOP OF FEATURES AND CONCRETE. . REFER TO NEC ARTICAL 680.
17 QUAZITE, 24"X 24" x 12"D WITH TIER 22 COVER #B16242412A FOR TYPE HR POWER SUPPLIES AND TERMINAL STRIPS.
18 SERVE FROM CIRCUIT INDICATED WITH 2#8#8G, 1"C. VIA THE EMERGENCY PUSHBUTTON ON THE LAKEHOUSE AND THE SWITCH LOCATED IN AT THE RECEPTION DESK.



PLAN VIEW

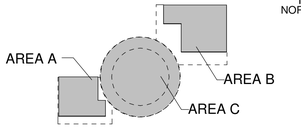
FOR 175KW GENERATOR, PROVIDE 12" MINIMUM CONCRETE PAD SIZE, ELEVATION, REINFORCEMENT, SUBGRADE PREPARATION, AND LOCATION WITH CIVIL/STRUCTURAL DRAWINGS AND GENERATOR MANUFACTURER'S REQUIRMENTS.



SECTION A-A

GENERATOR PAD DETAIL
NO SCALE

KEY PLAN



fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS		
10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	JMILOCH
Designer	JMILOCH
Reviewer	STKAM
Manager	CKRETOVIC

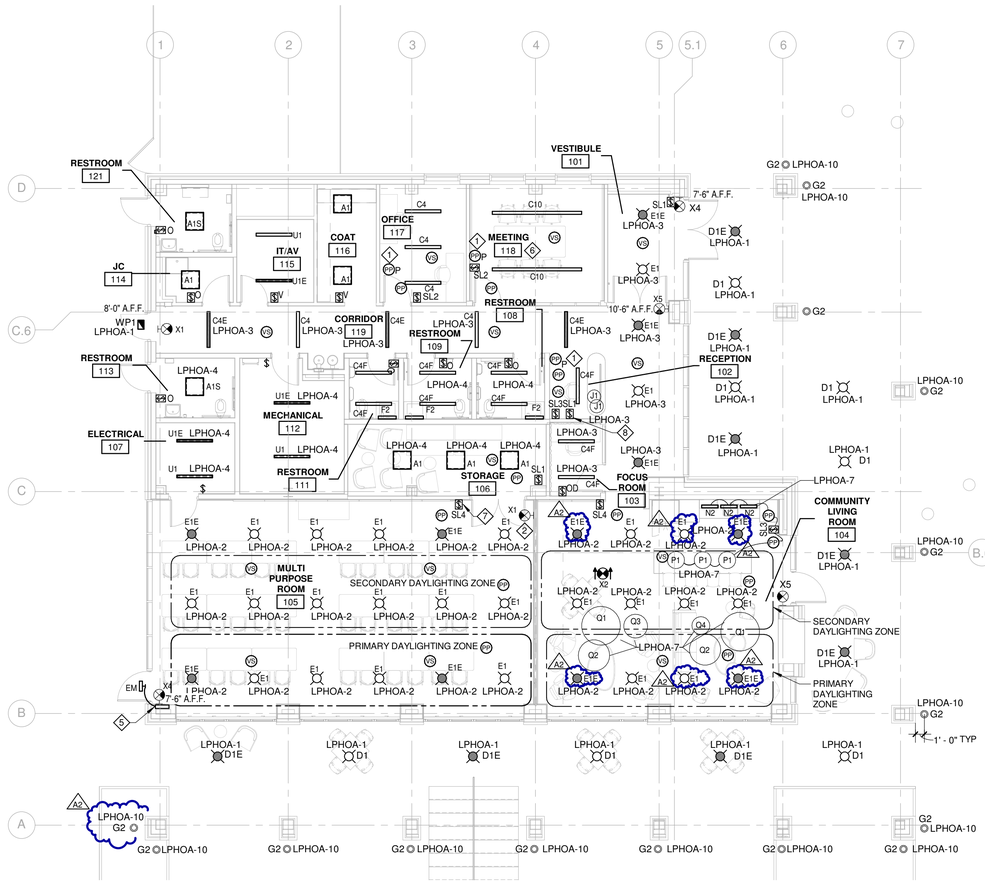
Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

SHEET NO.
E010

©Copyright 2026
All Rights Reserved

PLOT INFO: 10/27/2026 12:22:10 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_E_2500281.rvt



LAKE HOUSE

LIGHTING PLAN - AREA A

SCALE: 1/8" = 1'-0"

NORTH

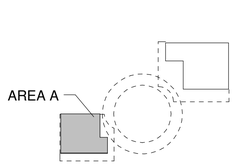
GENERAL NOTES

1. REFER TO SHEET E001 FOR GENERAL PROJECT REQUIREMENTS.
2. REFER TO "T SERIES" AND "Y SERIES" DRAWINGS FOR DATA DROP AND SECURITY REQUIREMENTS
3. THE GENERATOR IS A STANDBY GENERATOR AND NOT DESIGNED FOR LIFE SAFETY.
4. EXIT SIGNS SHALL BE SERVED FROM THE LOCAL AREA CIRCUIT, AHEAD OF ANY CONTROLS.
5. EMERGENCY FIXTURES SHALL BE CONTROLLED WITH THE LOCAL AREA LIGHTING AND SERVED FROM THE LOCAL AREA CIRCUIT, AHEAD OF ANY CONTROLS.

KEY NOTES

1	PLUG LOAD CONTROLLER. REFER TO E201 FOR CONTROLLED RECEPTACLES.
2	EXIT SIGN LOCATED ON HEADER ABOVE THE PARTITION WALL.
3	REFER TO THE ELEVATION FOR THE 'PEBBLE FIXTURES"
4	ILLUMINATED MIRROR. BRADLEY:7B1-50-0-24
5	REMOTE POWER SUPPLY FOR EM FIXTURE. LOCATE AT 8'0" AFF. PROVIDE 3 GANG RECESSED BOX.
6	PROVIDE BLACK WIRING DEVICES FOR THIS ROOM.
7	PROVIDE BLACK WIRING DEVICE.
8	CORRIDOR LIGHTING CONTROL.

KEY PLAN



fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	JMILOCH
Designer	JMILOCH
Reviewer	STKAM
Manager	CKRETOVIC

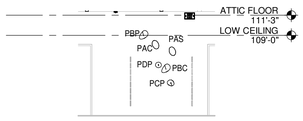
Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

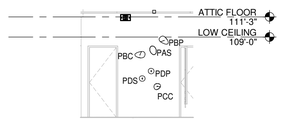
PROJECT NO.
2500281

SHEET NO.
E101

©Copyright 2026
All Rights Reserved

PLOT INFO: 10/27/2026 11:13:12 AM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_E_2500281.rvt



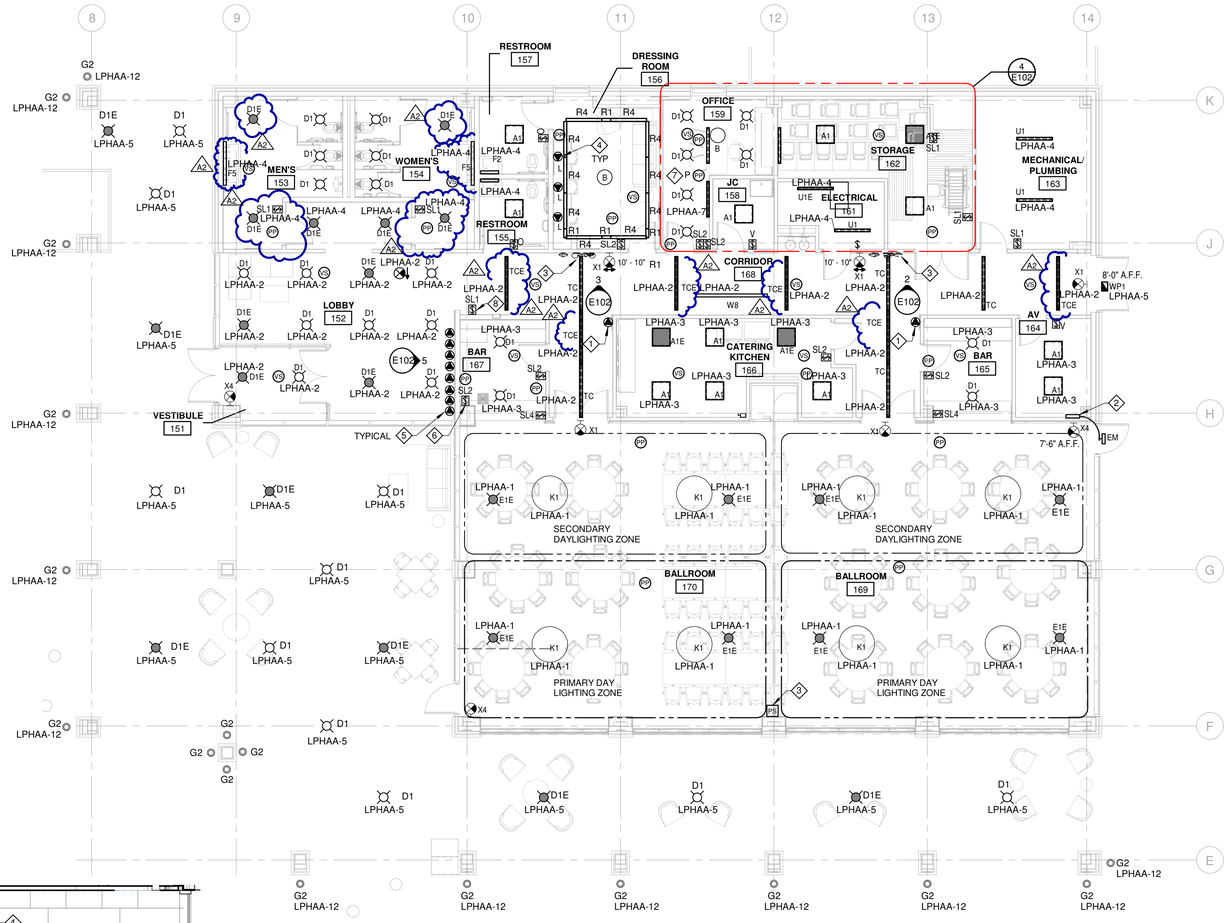


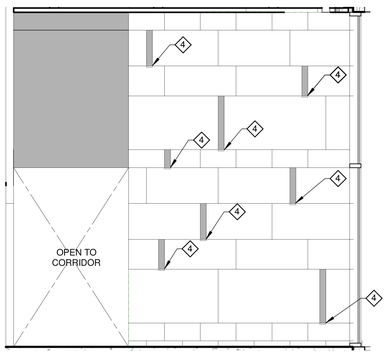
3 FEATURE WALL LIGHTING CORRIDOR #168 - WEST

SCALE: 1/8" = 1'-0"

2 FEATURE WALL LIGHTING CORRIDOR #168 - EAST

SCALE: 1/8" = 1'-0"





5 LOBBY 152 EAST LIGHTING

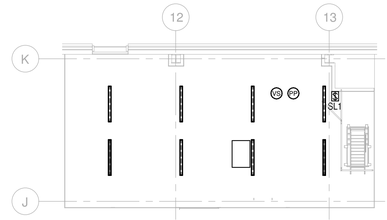
SCALE: 1/8" = 1'-0"

LAKE HALL

LIGHTING PLAN - AREA B

SCALE: 1/8" = 1'-0"

NORTH

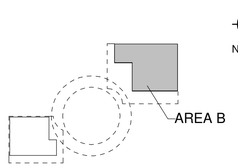


LAKE HALL

4 MEZZANINE FLOOR LIGHTING PLAN - AREA B

SCALE: 1/8" = 1'-0"

KEY PLAN



GENERAL NOTES

1. REFER TO SHEET E001 FOR GENERAL PROJECT REQUIREMENTS.
2. REFER TO "T SERIES" AND "Y SERIES" DRAWINGS FOR DATA DROP AND SECURITY REQUIREMENTS
3. THE GENERATOR IS A STANDBY GENERATOR AND NOT DESIGNED FOR LIFE SAFETY.
4. EXIT SIGNS SHALL BE SERVED FROM THE LOCAL AREA CIRCUIT, AHEAD OF ANY CONTROLS.
5. EMERGENCY FIXTURES SHALL BE CONTROLLED WITH THE LOCAL AREA LIGHTING AND SERVED FROM THE LOCAL AREA CIRCUIT, AHEAD OF ANY CONTROLS.

KEY NOTES

1. PROVIDE A JUNCTION BOX ABOVE THE CEILING FOR FUTURE ILLUMINATED SIGNAGE. CIRCUIT WITH THE ADJACENT LIGHTING AND CONTROLS.
2. REMOTE POWER SUPPLY FOR EM FIXTURE. LOCATE AT 8'0" AFF. PROVIDE 3 GANG RECESSED BOX.
3. PARTITION SENSOR TO WORK IN CONJUNCTION WITH THE LIGHTING CONTROL SYSTEM.
4. TYPE "V", 4" SEGMENT INTEGRATED INTO THE WALL SYSTEM INCLUDING ALL CONNECTORS, DRIVERS, ETC. FOR A COMPLETE SYSTEM.
5. TYPE "V" FIXTURE, REFER TO DETAIL 5 ON THIS SHEET. THESE FIXTURES SHALL HAVE THEIR OWN POWER PACK IN BAR #167, BUT SERVED FROM LPHAA-2 AND CONTROLLED WITH THE LOBBY #152 LIGHTING.
6. DIMMER SWITCH TO ALLOW FOR ADJUSTMENTS TO THE TYPE "V" FIXTURES.
7. PLUG LOAD CONTROLLER. REFER TO E201 FOR CONTROLLED RECEPTACLES.

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	JMILOCH
Designer	JMILOCH
Reviewer	STKAM
Manager	CKRETOVIC

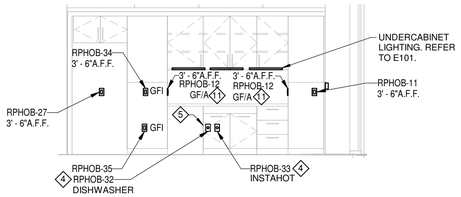
Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

SHEET NO.
E102

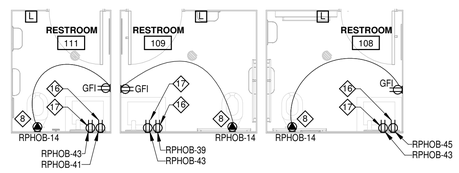
©Copyright 2026
All Rights Reserved

PLOT INFO: 10/27/2026 11:13:18 AM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_E_2500281.rvt



2 COMMUNITY LIVING ROOM KITCHENETTE

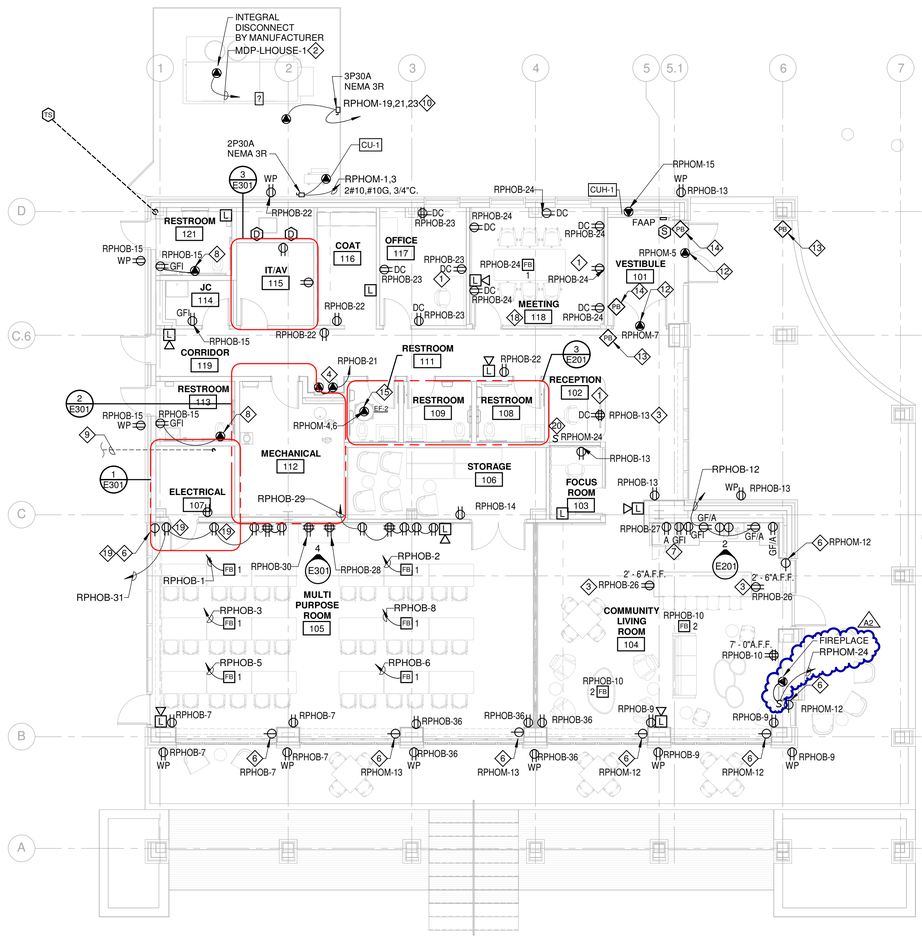
SCALE: 1/4" = 1'-0"



LAKE HOUSE

ENLARGED TOILET ROOM PLANS

SCALE: 1/4" = 1'-0"



LAKE HOUSE

POWER AND SYSTEMS PLAN - AREA A

SCALE: 1/8" = 1'-0"

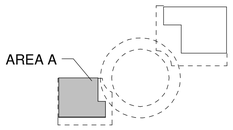
GENERAL NOTES

1. REFER TO THE GENERAL NOTES ON DRAWING E001 FOR FURTHER REQUIREMENTS.
2. REFER TO E401 FOR FEEDER AND DISCONNECT SIZES.
3. REFER TO THE LIGHTING DRAWINGS TO COORDINATE PLUG LOAD CONTROLS.
4. ACTUAL FURNITURE LAYOUT MAY VARY. COORDINATE DEVICE LAYOUT WITH OWNER AND ACTUAL FURNITURE LAYOUT PRIOR TO ROUGH-IN.
5. THE FIRE ALARM SYSTEM IS SHOWN FOR DESIGN INTENT. REFER TO THE APPROVED FIRE ALARM SHOP DRAWINGS FOR COMPLETE SYSTEM DESIGN REQUIREMENTS.
6. REFER TO THE ARCHITECTURAL DETAILS FOR WALLS WITH ACOUSTIC TREATMENTS THAT REQUIRE BOX EXTENSIONS TO ACCOMMODATE THE WALL THICKNESS.

KEY NOTES

1	RECEPTACLES SHALL BE SPLIT WIRED SO THAT ONE HALF OF THE DEVICE SHALL BE CONTROLLED BY THE ROOM OCCUPANCY SENSOR TO SHUT OFF THE RECEPTACLE, 20 MINUTES AFTER LACK OF OCCUPANCY. REFER TO E101 FOR THE PLUG LOAD CONTROLLER.
2	REFER TO THE ONE LINE DIAGRAM ON E401 FOR FEEDER SIZE.
3	ROUTE MC CABLE THROUGH MILLWORK TO SERVE THE RECEPTACLE.
4	SERVE FROM GFI CIRCUIT BREAKER IN THE PANELBOARD.
5	PROVIDE GROMMETED HOLE FOR PASSAGE OF THE DISHWASHER POWER CORD.
6	SIMPLEX RECEPTACLE AT 15'6" AFF FOR MOTORIZED SHADES.
7	REFER TO THE ELEVATION FOR ADDITIONAL CIRCUIT NUMBERS.
8	POWER SUPPLY FOR AUTOMATIC PLUMBING SYSTEMS. LOCATE ABOVE THE CEILING. COORDINATE 120V WIRING WITH THE PLUMBING CONTRACTOR. LOW VOLTAGE WIRING SHALL BE PROVIDED BY THE PLUMBING CONTRACTOR.
9	REFER TO THE ELECTRICAL SITE PLAN FOR POWER TO THE SPLASH PAD CONTROL PANEL.
10	3#10, #10G, 3/4"C.
11	LOCATE THE RECEPTACLES IN THE MILLWORK THAT IS PERPENDICULAR TO THE BACKSPLASH.
12	MOTORIZED DOOR OPERATOR. COORDINATE WITH ARCHITECTURAL TRADES.
13	DOOR OPERATOR PUSHBUTTON. 42" AFF
14	ROUGH-IN FOR FUTURE DOOR OPERATOR PUSHBUTTON. 42" AFF
15	EF-2 ON THE ROOF. LOCAL DISCONNECT BY EQUIPMENT MANUFACTURER. SEE MECH 112 FOR THE SPEED CONTROLLER LOCATION.
16	RECEPTACLE SERVING SINK HAND DRYER. SERVE FROM A DEDICATED GFCI CIRCUIT BREAKER. MOUNT AT 26" AFF TO THE TOP OF THE OUTLET.
17	RECEPTACLE SERVING SINK ACCESSORIES. SERVE FROM A GFCI CIRCUIT BREAKER. MOUNT AT 26" AFF TO THE TOP OF THE OUTLET.
18	PROVIDE BLACK WIRING DEVICES FOR THIS ROOM.
19	PROVIDE BLACK WIRING DEVICE.
20	ROUTE MC CABLE THROUGH MILLWORK TO SERVE THE RECEPTACLE.

KEY PLAN



fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	JMILOCH
Designer	JMILOCH
Reviewer	STKAM
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

SHEET NO.
E201

©Copyright 2026
All Rights Reserved

PLOT INFO: 10/27/2026 11:13:29 AM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_E_2500281.rvt

PANEL ID	PANEL DESCRIPTION
MDP-LHOUSE	**NEW 3 PHASE DISTRIBUTION PANEL**

Location: ELECTRICAL 107 **Voltage:** 208/120 Wye **A.I.C. Rating:** 35K
Supply From: MSB **Phase:** 3 **Mains Type:** MCB
Mounting: SURFACE **Wires:** 4 **Mains Rating:** 400 A
Enclosure: NEMA 1 **Bussing:** COPPER

CKT	Rev. No.	Circuit Description	# of Poles	Trip Rating	Load	Remarks
1		RTU-1	3	100 A	23913 VA	
2		SPARE	3	100 A	0 VA	
3		SPARE	3	60 A	0 VA	
4		SPARE	3	30 A	0 VA	
5		SPD	3	30 A	0 VA	
6		LPHOA	3	60 A	7260 VA	
7		RPHOB	3	225 A	37520 VA	
8		RPHOM	3	100 A	20340 VA	
9		SPACE	3	--	--	
10		SPACE	3	--	--	
11		SPACE	3	--	--	
12						
13						
14						
15						
16						
17						
18						
19						
20						

PHASE A	PHASE B	PHASE C	TOTAL AMPS
31 kVA	29 kVA	29 kVA	247 A

Load Classification	Connected Load	Demand Factor	NEC Calc. Load	Panel Totals
Equip.	25030 VA	100.00%	25030 VA	
Motor	29753 VA	125.00%	37191 VA	**Total Connected Load:** 89 kVA
RECEPT	27990 VA	67.86%	18995 VA	**Total NEC Calc. Load:** 89 kVA
Lighting	5114 VA	125.00%	6393 VA	**Total Connected Current:** 247 A
LTG	1146 VA	125.00%	1432 VA	**Total NEC Calc. Current:** 247 A

Notes:

PANEL ID	PANEL DESCRIPTION
RPHOB	**NEW 3 PHASE PANELBOARD**

Location: ELECTRICAL 107 **Voltage:** 208/120 Wye **A.I.C. Rating:** 22K
Supply From: MDP-LHOUSE **Phase:** 3 **Mains Type:** MLO
Mounting: SURFACE **Wires:** 4 **Rating:** 225 A
Enclosure: NEMA 1 **No. of Poles:** 72 **Bussing:** COPPER

CKT	Rev. No.	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	Rev. No.	CKT
1		FB MULT PURP RM 105 NW	20 A	1	180 VA / 180 VA			1	20 A	FB MULT PURP RM 105 NE		2
3		FB MULT PURP RM 105 MW	20 A	1		180 VA / 180 VA		1	20 A	FB MULT PURP RM 105 ME		4
5		FB MULT PURP RM 105 SW	20 A	1			180 VA / 180 VA	1	20 A	FB MULT PURP RM 105 SE		6
7		REC MULT PURP 105 WEST & EXT.	20 A	1	720 VA / 1080 VA			1	20 A	RECEPT MULTI PURPOSE ROOM...		8
9		REC COM LIV 104 & EXT.	20 A	1		720 VA / 720 VA		1	20 A	REC COM LIV 104 TV & FB		10
11	G	COMM LIV ROOM COUNTER	20 A	1			1200 VA / 540 VA	1	20 A	COMM LIV ROOM COUNTER		12
13		RECEPT ROOMS 640, 102, 103,	20 A	1	1080 VA / 870 VA			1	20 A	RECEPT STORAGE 106		14
15		RECEPT	20 A	1		1000 VA / 2000 VA		2	30 A	Equip. IT 115		16
17		Equip. IT 115	30 A	2			2000 VA / 2000 VA	--	--	--	--	18
19	--	--	--	--	2000 VA / 1720 VA			1	20 A	SECURITY PANEL RECEPT IT 115		20
21	G	EWC CORRIDOR 119	15 A	1		600 VA / 1080 VA		1	20 A	RECEPT		22
23		RECEPT OFFICE 117	20 A	1			900 VA / 1260 VA	1	20 A	RECEPT MEETING 118		24
25		SPARE	20 A	1	0 VA / 720 VA			1	20 A	RECEPT COM LIV ISLAND		26
27	G	REFRIGERATOR	20 A	1		720 VA / 360 VA		1	20 A	RECEPT MULTI PURPOSE ROOM...		28
29		REC MULT PUP 105 NE FRONT105	20 A	1			1080 VA / 360 VA	1	20 A	RECEPT MULTI PURPOSE ROOM...		30
31		REC MULT PUP 105 NW FRONT	20 A	1	1080 VA / 1440 VA			1	20 A	DISHWASHER CLR 104	G	32
33	G	INSTAHOT CLR 103	20 A	1		750 VA / 1000 VA		1	20 A	MICROWAVE COMM LIV RM TOP		34
35		MICROWAVE COMM LIV RM BOT	20 A	1			1000 VA / 900 VA	1	20 A	REC MULT PURP 105 EAST & EXT.		36
37		Equip. AV 107	20 A	1	500 VA / 0 VA							38
39	G	RESTROOM 109 HAND DRYER	20 A	1		1500 VA / 0 VA						40
41	G	RESTROOM 111 HAND DRYER	20 A	1			1500 VA / 0 VA	1	20 A	SPARE		42
43	G	RECEPT REST 108, 109, 111	20 A	1	540 VA / 0 VA			1	20 A	SPARE		44
45	G	RESTROOM 108 HAND DRYER	20 A	1		1500 VA / 0 VA		1	20 A	SPARE		46
47		SPARE	20 A	1			0 VA / 0 VA	1	20 A	SPARE		48
49		SPARE	20 A	1	0 VA / 0 VA			1	20 A	SPARE		50
51		SPARE	20 A	1		0 VA / 0 VA		1	--	SPACE		52
53		SPARE	20 A	1			0 VA / 0 VA	1	--	SPACE		54
55		SPARE	20 A	1	0 VA / 0 VA			1	--	SPACE		56
57		SPACE	--	1		0 VA / 0 VA		1	--	SPACE		58
59		SPACE	--	1			0 VA / 0 VA	1	--	SPACE		60
61		SPACE	--	1	0 VA / 0 VA			1	--	SPACE		62
63		SPACE	--	1		0 VA / 0 VA		1	--	SPACE		64
65		SPACE	--	1			0 VA / 0 VA	1	--	SPACE		66
67		SPACE	--	1	0 VA / 0 VA			1	--	SPACE		68
69		SPACE	--	1		0 VA / 0 VA		1	--	SPACE		70
71		SPACE	--	1			0 VA / 0 VA	1	--	SPACE		72
		Total Load:			12110 VA	12310 VA	13100 VA					
		Total Amps:			101 A	103 A	109 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
RECEPT	25830 VA	69.36%	17915 VA	
Equip.	11690 VA	100.00%	11690 VA	**Total Connected Load:** 37520 VA
				Total Estimated Demand: 29605 VA
				Total Connected Current.: 104 A
				Total Est. Demand Current: 82 A

Notes: G = GFI CIRCUIT BREAKER

PANEL ID	PANEL DESCRIPTION
LPHOA	**NEW 3 PHASE PANELBOARD**

Location: ELECTRICAL 107 **Voltage:** 208/120 Wye **A.I.C. Rating:** 22K
Supply From: MDP-LHOUSE **Phase:** 3 **Mains Type:** MLO
Mounting: SURFACE **Wires:** 4 **Rating:** 100 A
Enclosure: NEMA 1 **No. of Poles:** 30 **Bussing:** COPPER

CKT	Rev. No.	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	Rev. No.	CKT
1		EXT SOFFIT LTG – LAKE HOUSE	20 A	1	474 VA / 619 VA			1	20 A	LTG MP 105 / COMM LIVING 104		2
3		LTG CORR 119 / RECEPT 102	20 A	1		518 VA / 513 VA		1	20 A	LTG SUPPORT RMS 106-113		4
5		SW SITE LIGHTING	20 A	1			460 VA / 244 VA	1	20 A	CENTRAL PATHWAY LTG		6
7		Lighting COMMUNITY LIVING ROO...	20 A	1	1131 VA / 501 VA			1	20 A	Lighting MEETING 118		8
9		MARQUEE SIGN POWER	20 A	1		1000 VA / 840 VA		1	20 A	Lighting		10
11		SPARE	20 A	1			0 VA / 960 VA	1	20 A	Lighting		12
13		SPARE	20 A	1	0 VA / 0 VA			1	20 A	SPARE		14
15		SPARE	20 A	1		0 VA / 0 VA		1	20 A	SPARE		16
17		SPACE	--	1			0 VA / 0 VA	1	--	SPACE		18
19		SPACE	--	1	0 VA / 0 VA			1	--	SPACE		20
21		SPACE	--	1		0 VA / 0 VA		1	--	SPACE		22
23		SPACE	--	1			0 VA / 0 VA	1	--	SPACE		24
25		SPACE	--	1	0 VA / 0 VA			1	--	SPACE		26
27		SPACE	--	1		0 VA / 0 VA		1	--	SPACE		28
29		SPACE	--	1			0 VA / 0 VA	1	--	SPACE		30
		Total Load:			2724 VA	2871 VA	1664 VA					
		Total Amps:			24 A	25 A	14 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting	5114 VA	125.00%	6393 VA	
Equip.	1000 VA	100.00%	1000 VA	**Total Connected Load:** 7260 VA
LTG	1146 VA	125.00%	1432 VA	**Total Estimated Demand:** 8824 VA
				Total Connected Current.: 20 A
				Total Est. Demand Current: 24 A

Notes:

PANEL ID	PANEL DESCRIPTION
RPHOM	**NEW 3 PHASE PANELBOARD**

Location: ELECTRICAL 107 **Voltage:** 208/120 Wye **A.I.C. Rating:** 18K
Supply From: MDP-LHOUSE **Phase:** 3 **Mains Type:** MLO
Mounting: SURFACE **Wires:** 4 **Rating:** 125 A
Enclosure: NEMA 1 **No. of Poles:** 42 **Bussing:** COPPER

CKT	Rev. No.	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	Rev. No.	CKT
1		CU-1	15 A	2	936 VA / 500 VA			1	15 A	CUH-1 VESTIBULE 101		2
3	--	--	--	--		936 VA / 156 VA		2	15 A	EF-2 (ROOF ABOVE RR 111)		4
5		EXT. VEST 101 DOOR OPER	20 A	1			540 VA / 156 VA	--	--	--	--	6
7		INT. VEST 101 DOOR OPER	20 A	1	540 VA / 510 VA			2	15 A	HP-1 MECHANICAL 112		8
9		HP-2 MECHANICAL 112	15 A	2		510 VA / 510 VA		--	--	--	--	10
11	--	--	--	--			510 VA / 900 VA	1	20 A	SHADES COMMUNITY LV RM		12
13		SHADES MULTI PURPOSE	20 A	1	720 VA / 1200 VA			1	15 A	SPLASH PAD EQUIPMENT		14
15		CUH-1	20 A	1		136 VA / 540 VA		1	20 A	WH-1 & DHWP-1 MECHANICAL 112		16
17		BMS LAKEHOUSE MECH 112	20 A	1			500 VA / 1267 VA	3	20 A	DWBP-1		18
19		RTU-1 EXHAUST FAN	30 A	3	1633 VA / 1267 VA			--	--	--	--	20
21	--	--	--	--		1633 VA / 1267 VA		--	--	--	--	22
23	--	--	--	--			1633 VA / 840 VA	1	20 A	FIREPLACE COMM AND FIRE PIT		24
25		BOILER B-1, BP-1	15 A	1	500 VA / 0 VA			1	20 A	SPARE		26
27		BOILER B-2, BP-2	15 A	1		500 VA / 0 VA		1	20 A	SPARE		28
29		SPARE	20 A	1			0 VA / 0 VA	1	20 A	SPARE		30
31		SPARE	20 A	1	0 VA / 0 VA			1	20 A	SPARE		32
33		SPARE	20 A	1		0 VA / 0 VA		1	20 A	SPARE		34
35		SPARE	20 A	1			0 VA / 0 VA	1	20 A	SPARE		36
37		SPARE	20 A	1	0 VA / 0 VA			1	--	SPACE		38
39		SPARE	20 A	1		0 VA / 0 VA		1	--	SPACE		40
41		SPARE	20 A	1			0 VA / 0 VA	1	--	SPACE		42
		Total Load:			7806 VA	6188 VA	6346 VA					
		Total Amps:			65 A	52 A	53 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Motor	10740 VA	125.00%	13425 VA	
RECEPT	2160 VA	100.00%	2160 VA	**Total Connected Load:** 20340 VA
Equip.	7440 VA	100.00%	7440 VA	**Total Estimated Demand:** 23025 VA
				Total Connected Current.: 56 A
				Total Est. Demand Current: 64 A

Notes:

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	JMILOCH
Designer	JMILOCH
Reviewer	STKAM
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.

2500281

SHEET NO.

E501

©Copyright 2026
All Rights Reserved

PLOT INFO: 10/27/2026 11:13:36 AM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_E_2500281.rvt

PANEL ID	PANEL DESCRIPTION
MDP-LHALL	**NEW 3 PHASE DISTRIBUTION PANEL**

Location: ELECTRICAL 161 **Voltage:** 208/120 Wye **A.I.C. Rating:** 35K
Supply From: MSB **Phase:** 3 **Mains Type:** MCB
Mounting: SURFACE **Wires:** 4 **Mains Rating:** 600 A
Enclosure: NEMA 1 **Bussing:** COPPER

CKT	Rev. No.	Circuit Description	# of Poles	Trip Rating	Load	Remarks
1		RTU-2	3	200 A	56535 VA	
2		LPHAA	3	60 A	5366 VA	
3		RPHAB	3	225 A	58730 VA	
4		RPHAM	3	100 A	11857 VA	
5		GPS-1	3	30 A	3963 VA	
6		SPD	3	20 A	0 VA	
7		SPARE	3	100 A	0 VA	
8		SPARE	3	60 A	0 VA	
9		SPARE	3	30 A	0 VA	
10		100A SPACE	3	--	--	
11		100A SPACE	3	--	--	
12		100A SPACE	3	--	--	
13						
14						
15						
16						
17						
18						
19						
20						

PHASE A	PHASE B	PHASE C	TOTAL AMPS
44 kVA	48 kVA	44 kVA	379 A

Load Classification	Connected Load	Demand Factor	NEC Calc. Load	Panel Totals	
Equip.	20400 VA	100.00%	20400 VA		
Heating	120 VA	125.00%	150 VA	**Total Connected Load:**	136 kVA
Motor	58685 VA	125.00%	73356 VA	**Total NEC Calc. Load:**	136 kVA
Other	180 VA	100.00%	180 VA	**Total Connected Current:**	379 A
RECEPT	27100 VA	68.45%	18550 VA	**Total NEC Calc. Current:**	378 A
Lighting	4054 VA	125.00%	5067 VA		
LTG	1313 VA	125.00%	1641 VA		
REC	2000 VA	100.00%	2000 VA		

Notes:

PANEL ID	PANEL DESCRIPTION
MSB	**NEW 3 PHASE SWITCHBOARD**

Location: ELECTRICAL 161 **Voltage:** 208/120 Wye **A.I.C. Rating:** 65K
Supply From: **Phase:** 3 **Mains Type:** MLO
Mounting: **Wires:** 4 **Mains Rating:** 1000 A
Enclosure: Type 1 **Bussing:**

CKT	Rev. No.	Circuit Description	# of Poles	Trip Rating	Load	Remarks
1		MDP-LHALL (ATS-1)	3	600 A	136451 VA	
2		MDP-LHOUSE	3	400 A	89032 VA	
3						
4						

PHASE A	PHASE B	PHASE C	TOTAL AMPS
75 kVA	77 kVA	74 kVA	626 A

Load Classification	Connected Load	Demand Factor	NEC Calc. Load	Panel Totals	
Equip.	69343 VA	100.00%	69343 VA		
Heating	120 VA	125.00%	150 VA	**Total Connected Load:**	225 kVA
Motor	64525 VA	125.00%	80656 VA	**Total NEC Calc. Load:**	214 kVA
Other	180 VA	100.00%	180 VA	**Total Connected Current:**	626 A
RECEPT	55090 VA	59.08%	32545 VA	**Total NEC Calc. Current:**	594 A
Lighting	9168 VA	125.00%	11460 VA		
LTG	2458 VA	125.00%	3073 VA		
REC	2000 VA	100.00%	2000 VA		

Notes:

PANEL ID	PANEL DESCRIPTION
RPHAB	**NEW 3 PHASE PANELBOARD**

Location: ELECTRICAL 161 **Voltage:** 208/120 Wye **A.I.C. Rating:** 22K
Supply From: MDP-LHALL **Phase:** 3 **Mains Type:** MCB
Mounting: SURFACE **Wires:** 4 **Rating:** 400 A
Enclosure: NEMA 1 **No. of Poles:** 84 **Bussing:** COPPER

CKT	Rev. No.	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	Rev. No.	CKT
1		RESTROOM / LOBBY RECEPT	20 A	1	870 VA / 460 VA			1	20 A	RESTROOM 155/157 RECEPT		2
3		RECEPT DRESSING ROOM 156	20 A	1		360 VA / 360 VA		1	20 A	RECEPT DRESSING ROOM 156		4
5		RECEPT DRESSING ROOM 156	20 A	1			360 VA / 900 VA	1	20 A	RECEPT JC 158		6
7		EWC CORRIDOR 168 - GFI	20 A	1	180 VA / 1440 VA			1	20 A	CORR / JC / STOR RECEPT		8
9		MECH/PLBG 163 & EXT RECEPT	20 A	1		720 VA / 900 VA		1	20 A	RECEPT BALLROOM 170		10
11		RECEPT BALLROOM 169	20 A	1			1080 VA / 1000 VA	1	20 A	REC AV 164 EQUIP RACK		12
13		REC AV 164 EQUIP RACK	20 A	1	1000 VA / 0 VA			1	20 A	REC AV 164 ACCESS CONTROL...		14
15		TELECOM RACK L6-30 RECEPT	30 A	2		2000 VA / 2000 VA		2	30 A	TELECOM RACK L6-30 RECEPT		16
17	--	--	--	--			2000 VA / 2000 VA	--	--	--	--	18
19	G	BEER DISPENSER BAR 167	15 A	1	504 VA / 180 VA			1	20 A	RECEPT BAR 167		20
21		RECEPT BALLROOM 170	20 A	1		720 VA / 1200 VA		1	20 A	RECEPT CATERING KITCHEN 166	G	22
23		RECEPT CATERING KITCHEN 166	20 A	1			1200 VA / 1200 VA	1	20 A	RECEPT CATERING KITCHEN 166		24
25		RECEPT CATERING KITCHEN 166	20 A	1	2400 VA / 456 VA			1	20 A	REFRIG CATERING KITCHEN 166	G	26
27	G	FREEZER CATERING KITCHEN 166	15 A	1		780 VA / 1440 VA		1	15 A	HOT FOOD CABINET CATERING...	G	28
29	G	ICE MAKER CATERING KITCHEN...	15 A	1			1356 VA / 1608 VA	1	20 A	MICROWAVE CATERING KITCHE...		30
31	G	COFFEE BRW CAT KITCHEN 166	35 A	2	3050 VA / 600 VA			1	20 A	DRAIN TEMP KIT KIT 166		32
33	--	--	--	--		3050 VA / 2988 VA		3	30 A	DISHWASHER CAT KITCHEN 166		34
35		RECEPT BAR 165	20 A	1			180 VA / 2988 VA	--	--	--	--	36
37	G	BEER DISPENSER BAR 165	15 A	1	792 VA / 2988 VA			--	--	--	--	38
39		RECEPT BAR 167	20 A	1		180 VA / 180 VA		1	20 A	RECEPT BAR 167		40
41		RECEPT BAR 165	20 A	1			180 VA / 180 VA	1	20 A	RECEPT BAR 165		42
43		RECEPT CATERING KITCHEN 166	20 A	1	180 VA / 1000 VA			1	20 A	MOTORIZED SCREENS		44
45	G	RECEPT MEN'S 153 HAND DRYERS	20 A	1		1860 VA / 120...		1	20 A	PROJECTOR BALLROOM 170		46
47	G	RECEPT Room 153, 154 ACCESS	20 A	1			360 VA / 1200 VA	1	20 A	PROJECTOR BALLROOM 169		48
49	G	RECEPT WOMEN'S 154 HAND DRY	20 A	1	1500 VA / 0 VA			1	20 A	SPARE		50
51	G	RECEPT WOMEN'S 154 HAND DRY	20 A	1		1500 VA / 0 VA		1	20 A	SPARE		52
53	G	RECEPT MEN'S 153 HAND DRYER	20 A	1			1500 VA / 0 VA	1	20 A	SPARE		54
55		ACCESS CONTROL AV 164	20 A	1	400 VA / 0 VA			1	20 A	SPARE		56
57		SPARE	20 A	1		0 VA / 0 VA		1	20 A	SPARE		58
59		SPARE	20 A	1			0 VA / 0 VA	1	20 A	SPARE		60
61		SPARE	20 A	1	0 VA / 0 VA			1	20 A	SPARE		62
63		SPARE	20 A	1		0 VA / 0 VA		1	20 A	SPARE		64
65		SPARE	20 A	1			0 VA / 0 VA	1	20 A	SPARE		66
67		SPARE	20 A	1	0 VA / 0 VA			1	20 A	SPARE		68
69		SPACE	--	1		0 VA / 0 VA		1	20 A	SPARE		70
71		SPACE	--	1			0 VA / 0 VA	1	20 A	SPARE		72
73		SPACE	--	1	0 VA / 0 VA			1	20 A	SPARE		74
75		SPACE	--	1		0 VA / 0 VA		1	--	SPACE		76
77		SPACE	--	1			0 VA / 0 VA	1	--	SPACE		78
79		SPACE	--	1	0 VA / 0 VA			1	--	SPACE		80
81		SPACE	--	1		0 VA / 0 VA		1	--	SPACE		82
83		SPACE	--	1			0 VA / 0 VA	1	--	SPACE		84
				Total Load:	18000 VA	21438 VA	19292 VA					
				Total Amps:	150 A	180 A	162 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Kitchen Equipment - Non-Dwelling Unit	13636 VA	65.00%	8863 VA		
Motor	8964 VA	125.00%	11205 VA	**Total Connected Load:**	58730 VA
Other	180 VA	100.00%	180 VA	**Total Estimated Demand:**	48548 VA
RECEPT	25300 VA	69.76%	17650 VA	**Total Connected Current.:**	163 A
Equip.	8650 VA	100.00%	8650 VA	**Total Est. Demand Current:**	135 A
REC	2000 VA	100.00%	2000 VA		

Notes: G = GFCI CIRCUIT BREAKER

PANEL ID	PANEL DESCRIPTION
LPHAA	**NEW 3 PHASE PANELBOARD**

Location: ELECTRICAL 161 **Voltage:** 208/120 Wye **A.I.C. Rating:** 22K
Supply From: MDP-LHALL **Phase:** 3 **Mains Type:** MCB
Mounting: SURFACE **Wires:** 4 **Rating:** 400 A
Enclosure: NEMA 1 **No. of Poles:** 30 **Bussing:** COPPER

CKT	Rev. No.	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	Rev. No.	CKT
1		BALLROOMS 169 & 170 LTG	20 A	1	455 VA / 805 VA			1	20 A	VEST/LOBBY/CORR LTG...		2
3		BAR/CATERING/AV LTG 164-167	20 A	1		448 VA / 421 VA		1	20 A	RR / DRESS / OFFICE / SUPPORT...		4
5		EXTERIOR CANOPY LIGHTING	20 A	1			534 VA / 325 VA	1	20 A	EXTERIOR PEDESTRIAN LTG		6
7		LIGHTING DRESSING ROOM 156	20 A	1	449 VA / 191 VA			1	20 A	HANDRAIL LIGHTING		8
9						0 VA / 720 VA		1	20 A	UPLIGHTS AT THE SKYRING		10
11		SPARE	20 A	1			0 VA / 1020 VA	1	20 A	COLUMN UPLIGHTS		12
13		SPARE	20 A	1	0 VA / 0 VA			1	20 A	SPARE		14
15		SPARE	20 A	1		0 VA / 0 VA		1	20 A	SPARE		16
17		SPACE	--	1			0 VA / 0 VA	1	--	SPACE		18
19		SPACE	--	1	0 VA / 0 VA			1	--	SPACE		20
21		SPACE	--	1		0 VA / 0 VA		1	--	SPACE		22
23		SPACE	--	1			0 VA / 0 VA	1	--	SPACE		24
25		SPACE	--	1	0 VA / 0 VA			1	--	SPACE		26
27		SPACE	--	1		0 VA / 0 VA		1	--	SPACE		28
29		SPACE	--	1			0 VA / 0 VA	1	--	SPACE		30
				Total Load:	1899 VA	1589 VA	1879 VA					
				Total Amps:	16 A	13 A	16 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	4054 VA	125.00%	5067 VA		
LTG	1313 VA	125.00%	1641 VA	**Total Connected Load:**	5366 VA
				Total Estimated Demand:	6708 VA
				Total Connected Current.:	15 A
				Total Est. Demand Current:	19 A

Notes:

PANEL ID	PANEL DESCRIPTION
RPHAM	**NEW 3 PHASE PANELBOARD**

Location: ELECTRICAL 161 **Voltage:** 208/120 Wye **A.I.C. Rating:** 22K
Supply From: MDP-LHALL **Phase:** 3 **Mains Type:** MLO
Mounting: SURFACE **Wires:** 4 **Rating:** 225 A
Enclosure: NEMA 1 **No. of Poles:** 42 **Bussing:** COPPER

CKT	Rev. No.	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	Rev. No.	CKT
1		CU-2	20 A	2	1504 VA / 620 VA			1	15 A	BOILER B-3, BP-3		2
3	--	--	--	--		1504 VA / 620 VA		1	15 A	BOILER B-4, BP-4		4
5		EF-1 (ROOF ABOVE LAKE HALL)	15 A	2			250 VA / 540 VA	1	20 A	DOOR OPERATOR VESTIBULE 151		6
7	--	--	--	--	250 VA / 180 VA			1	20 A	WH-2 & DHWP-2 MECH/PLBG 163		8
9						0 VA / 413 VA		2	15 A	HP-4 MECH/PLUMBING 163		10
11		HP-3 MECH/PLUMBING 163	15 A	2			413 VA / 413 VA	--	--	--	--	12
13	--	--	--	--	413 VA / 500 VA			1	20 A	FIRE ALARM CONTROL PANEL		14
15		RECEPT BALLROOM 169	20 A	1		720 VA / 720 VA		1	20 A	RECEPT BALLROOM 170		16
17		FCU-2 VESTIBULE 151	15 A	1			0 VA / 540 VA	3	15 A	MOTORIZED PARTITION		18
19		BMS LAKE HALL	20 A	1	0 VA / 540 VA			--	--	--	--	20
21		IRRIGATION CONTROLLER	20 A	1		180 VA / 540 VA		--	--	--	--	22
23		GENERATOR BATTERY CHARGER	20 A	1			1000 VA / 0 VA	2	20 A	IRRIGATION BOOSTER PUMP		24
25		GENERATOR JACKET HEATER.	20 A	2	0 VA / 0 VA			--	--	--	--	26
27	--	--	--	--		0 VA / 0 VA		1	20 A	SPARE		28
29		SPARE	20 A	1			0 VA / 0 VA	1	20 A	SPARE		30
31		SPARE	20 A	1	0 VA / 0 VA			1	20 A	SPARE		32
33		SPARE	20 A	1		0 VA / 0 VA		1	20 A	SPARE		34
35		SPARE	20 A	1			0 VA / 0 VA	1	20 A	SPARE		36
37		SPACE	--	1	0 VA / 0 VA			1	--	SPACE		38
39		SPACE	--	1		0 VA / 0 VA		1	--	SPACE		40
41		SPACE	--	1			0 VA / 0 VA	1	--	SPACE		42
				Total Load:	4006 VA	4696 VA	3155 VA					
				Total Amps:	34 A	40 A	26 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Heating	120 VA	125.00%	150 VA		
Motor	5157 VA	125.00%	6446 VA	**Total Connected Load:**	11857 VA
RECEPT	1800 VA	100.00%	1800 VA	**Total Estimated Demand:**	13176 VA
Equip.	4780 VA	100.00%	4780 VA	**Total Connected Current.:**	33 A
				Total Est. Demand Current:	37 A

Notes:

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM NO. 2

10/12/2026	BIDS & PERMIT
09/21/2026	CD PEER REVIEW
09/09/2026	CD TEAM REVIEW
08/10/2026	CD 50% PROGRESS
06/22/2026	DD OWNER REVIEW
06/15/2026	DD PEER REVIEW
06/08/2026	DD 90 % PROGRESS
05/18/2026	DD 50 % PROGRESS
02/23/2026	SD OWNER REVIEW
02/13/2026	SD PEER REVIEW
02/09/2026	SD PROGRESS REVIEW

Drawn By	JMILOCH
Designer	JMILOCH
Reviewer	STKAM
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.

2500281

SHEET NO.

E502

©Copyright 2026
All Rights Reserved

PLOT INFO: 10/27/2026 11:13:42 AM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_E_2500281.rvt

TECHNOLOGY JUNCTION BOX LEGEND

TYPE		FUNCTION	ENCLOSURE DIMENSIONS			ENCLOSURE DESCRIPTION	ENCLOSURE MAKE & MODEL	MOUNTING STYLE	REFERENCE DETAIL	LEGEND NOTES
SYM	STYLE		LENGTH	WIDTH	DEPTH					
F2	FLOOR	FLOOR BOX W/ AV TELECOM AND POWER	11 5/16"	15 1/8"	6"	FLOOR BOX	WIREMOLD EFB8S	FLUSH WITH FINISHED FLOOR	2/T801	A, B
C1	WALL	CAMERA PULL BOX	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ RAISED TWO-DEVICE COVER	RACO 258 259 OR 265	96" AFF - FLUSH (UNO)	1/T801	-
D8	WALL	DISPLAY BOX W/ AV TELECOM AND POWER	10 7/8"	11 1/4"	3 7/8"	DISPLAY BOX	WIREMOLD EFSB4	FLUSH (UNO) - REFER TO ROOM DISPLAY SCHEDULE AND ELEVATIONS	3, 4/T801	C
L2	WALL	OUTDOOR LOUDSPEAKER PULL BOX	4 11/16"	4 11/16"	2 1/8"	OUTDOOR RATED PULL BOX	OUTDOOR RATED	90" AFF - FLUSH (UNO)	-	-
PS2	WALL	PARTITION SENSOR WALL BOX	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ FLAT COVER	RACO 258 259 OR 265	120" AFF - FLUSH (UNO)	-	-
R8	WALL	EQUIPMENT RACK PULL BOX W/ AV TELECOM AND POWER	12 3/8"	12 3/8"	4"	PULL BOX W/ PAINTED SCREW COVER	FSR WB-X2-GNG	PER PROJECT STANDARD OUTLET HEIGHT - FLUSH (UNO) - REFER TO ARCH. DRAWINGS	5, 6/T801	D
S2	WALL	PROJECTION SCREEN CONTROL SWITCH (DUAL)	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ RAISED TWO-DEVICE COVER	RACO 258 259 OR 265	PER PROJECT STANDARD SWITCH HEIGHT - FLUSH (UNO) - REFER TO ARCH. DRAWINGS	-	E, G
TP2	WALL	CONTROL PANEL W/ AV AND TELECOM	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ RAISED TWO-DEVICE COVER	RACO 258 259 OR 265	PER PROJECT STANDARD SWITCH HEIGHT - FLUSH (UNO) - REFER TO ARCH. DRAWINGS	-	-
W17	WALL	AV IO PANEL W/ AV TELECOM AND POWER	4 11/16"	10 7/16"	2 1/2"	PULL BOX W/ RAISED FOUR-DEVICE COVER	RACO 943	36" AFF - FLUSH (UNO)	7/T801	-
D41-1	CEILING	DISPLAY PULL BOX	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ FLAT COVER	RACO 258 259 OR 265	18" ABOVE ACCESSIBLE CEILING	-	-
IS1-3	CEILING	OCCUPANCY SENSOR	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ FLAT COVER	RACO 258 259 OR 265	SUSPENDED FROM DECK - FLUSH WITH CEILING	-	-
J6	CEILING	CONDUIT CONSOLIDATION PULL BOX	18"	18"	6"	PULL BOX (PUNCHED AS REQUIRED) W/ PAINTED SCREW COVER	HOFFMAN A-SE18X18X6NK	18" ABOVE ACCESSIBLE CEILING	-	-
L11-1	CEILING	LOUDSPEAKER PULL BOX	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ FLAT COVER	RACO 258 259 OR 265	18" ABOVE ACCESSIBLE CEILING	1/T802	-
M1-1	CEILING	MICROPHONE PULL BOX	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ FLAT COVER	RACO 258 259 OR 265	18" ABOVE ACCESSIBLE CEILING	-	-
PJ1	CEILING	PROJECTOR LIFT	20"	36 9/32"	37 11/16"	MOTORIZED PROJECTOR LIFT ASSEMBLY	DRAPER SCISSOR SLX	SUSPENDED FROM DECK - FLUSH WITH CEILING	2/T802	E, F

TECHNOLOGY TELECOM JUNCTION BOX LEGEND

TYPE		FUNCTION	ENCLOSURE DIMENSIONS			ENCLOSURE DESCRIPTION	ENCLOSURE MAKE & MODEL	MOUNTING STYLE	REFERENCE DETAIL	LEGEND NOTES
SYM	STYLE		LENGTH	WIDTH	DEPTH					
N1	FLOOR	TELECOM OUTLET - FLOOR	-	-	-	FLOOR DEVICE INDICATED BY BOX NUMBER	COORDINATE W/ ASSOCIATED FLOOR DEVICE	INSTALL IN FLOOR DEVICE PER MFR DIRECTIONS	2/T801	A, B, H
N2	WALL	TELECOM OUTLET - DISPLAY	-	-	-	WALL BOX INDICATED BY BOX NUMBER	COORDINATE W/ ASSOCIATED DISPLAY BOX	INSTALL IN DISPLAY BOX PER MFR DIRECTIONS	3, 4/T801	C, H
N3	WALL	TELECOM OUTLET - EQUIPMENT RACK	-	-	-	WALL BOX INDICATED BY BOX NUMBER	COORDINATE W/ ASSOCIATED EQUIPMENT RACK BOX	INSTALL IN EQUIPMENT RACK BOX PER MFR DIRECTIONS	5, 6/T801	D, H
N4	WALL	TELECOM OUTLET - STANDARD	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ RAISED ONE-DEVICE COVER	RACO 258 259 OR 265	PER PROJECT STANDARD OUTLET HEIGHT - FLUSH (UNO) - REFER TO ARCH. DRAWINGS	-	H, I
N6	WALL	TELECOM OUTLET - ABOVE COUNTER	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ RAISED ONE-DEVICE COVER	RACO 258 259 OR 265	PER PROJECT STANDARD COUNTER OUTLET HEIGHT - FLUSH (UNO) - REFER TO ARCH. DRAWINGS	-	H
N9	WALL	TELECOM OUTLET - IN RACEWAY	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ RAISED ONE-DEVICE COVER	RACO 258 259 OR 265	120" AFF - FLUSH	-	H
N10	WALL	TELECOM OUTLET - WAP	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ RAISED ONE-DEVICE COVER	RACO 258 259 OR 265	120" AFF - FLUSH	-	-
N11	WALL	TELECOM OUTLET - SECURITY CAMERA	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ RAISED ONE-DEVICE COVER	RACO 258 259 OR 265	120" AFF - FLUSH	-	H
N13	WALL	TELECOM OUTLET - UTILITY	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ RAISED ONE-DEVICE COVER	RACO 258 259 OR 265	COORDINATE WITH APPLICABLE TRADE	-	H
N14	WALL	TELECOM PULL BOX - TOUCH OR SCHEDULING PANEL	-	-	-	WALL BOX INDICATED BY BOX NUMBER	COORDINATE W/ ASSOCIATED TOUCH OR SCHEDULING PANEL BOX	INSTALL NETWORK JACK WITHIN ASSOCIATED TOUCH OR SCHEDULING PANEL BOX	-	H
N15	WALL	TELECOM OUTLET - AV IO PANEL	-	-	-	AV IO PANEL INDICATED BY BOX NUMBER	COORDINATE W/ ASSOCIATED AV IO PANEL	INSTALL IN AV IO PANEL PER MFR DIRECTIONS	7/T801	H
N16	WALL	TELECOM OUTLET - POLE-MOUNT CAMERA	4 11/16"	4 11/16"	2 1/8"	PULL BOX	RACO 258 259 OR 265	REFER TO ARCH. DRAWINGS	-	-
N21-1	CEILING	TELECOM OUTLET - DISPLAY	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ BLANK COVER	RACO 258 259 OR 265	18" ABOVE ACCESSIBLE CEILING	-	H
N23-1	CEILING	TELECOM OUTLET - WAP	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ BLANK COVER	RACO 258 259 OR 265	18" ABOVE ACCESSIBLE CEILING	-	H
N24-1	CEILING	TELECOM OUTLET - SECURITY CAMERA	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ BLANK COVER	RACO 258 259 OR 265	18" ABOVE ACCESSIBLE CEILING	-	H
N24-3	CEILING	TELECOM OUTLET - SECURITY CAMERA	4 11/16"	4 11/16"	2 1/8"	PULL BOX W/ RAISED ONE-DEVICE COVER	RACO 258 259 OR 265	SUSPENDED FROM DECK - FLUSH WITH CEILING	-	H

TECHNOLOGY POWER LEGEND

TYPE		FUNCTION	VOLTS	AMPS	NEMA	DESCRIPTION	ADDITIONAL REQUIREMENTS	MOUNTING STYLE	REFERENCE DETAIL	LEGEND NOTES
SYM	STYLE									
P1	FLOOR	POWER RECEPTACLE - FLOOR DEVICE	120	20	5-20R	DUPLEX RECEPTACLE INSIDE FLOOR DEVICE	-	INSTALL IN FLOOR DEVICE PER MFR DIRECTIONS	2/T801	A, B, J
P2	WALL	POWER RECEPTACLE - DISPLAY	120	20	5-20R	DUPLEX RECEPTACLE INSIDE DISPLAY BOX	-	INSTALL IN DISPLAY BOX PER MFR DIRECTIONS	3, 4/T801	C, J
P3	WALL	POWER RECEPTACLE - EQUIPMENT RACK	120	20	5-20R	DUPLEX RECEPTACLE INSIDE EQUIPMENT RACK BOX	-	INSTALL IN EQUIPMENT RACK BOX PER MFR DIRECTIONS	5, 6/T801	D, J
P7	WALL	POWER RECEPTACLE - TECHNOLOGY RACK	120	20	5-20R	DOUBLE DUPLEX RECEPTACLE (DUAL CIRCUIT)	TWO DEDICATED CIRCUITS	PER PROJECT STANDARD OUTLET HEIGHT - FLUSH (UNO) - REFER TO ARCH. DRAWINGS	-	J
P15	WALL	POWER RECEPTACLE - AV IO PANEL	120	20	5-20R	DUPLEX RECEPTACLE INSIDE AV IO PANEL	-	INSTALL IN AV IO PANEL PER MFR DIRECTIONS	7/T801	J
P16	WALL	POWER CIRCUIT - ACCESS CONTROL PANEL	120	20	-	HARDWIRED POWER CIRCUIT DIRECT TO ACCESS CONTROL PANEL	DEDICATED CIRCUIT	REFER TO PLANS & ELEVATIONS	-	J
P17	WALL	POWER RECEPTACLE - CONVENIENCE DUPLEX	120	20	5-20R	DUPLEX RECEPTACLE	-	PER PROJECT STANDARD OUTLET HEIGHT - FLUSH (UNO) - REFER TO ARCH. DRAWINGS	-	J
P18	WALL	POWER RECEPTACLE - TELECOM RACK	208	30	L6-30R	TWIST-LOCK RECEPTACLE	DEDICATED CIRCUIT	MOUNT TO CABLE RUNWAY ABOVE EQUIPMENT RACK	-	J
P22	CEILING	POWER CIRCUIT - MOTORIZED PROJECTION SCREEN	120	20	-	WORKBOX W/ POWER CIRCUIT	-	TERMINATE AT PROJECTION SCREEN PER MFR INSTRUCTIONS	-	G, J
P23	CEILING	POWER CIRCUIT - MOTORIZED PROJECTOR LIFT	120	20	-	WORKBOX W/ POWER CIRCUIT	DEDICATED CIRCUIT	TERMINATE AT PROJECTOR LIFT PER MFR INSTRUCTIONS	2/T802	E, G, J

TELECOM CABLING LEGEND

TYPE	CAT6A	FIBER	2-16AWG	REFERENCE DETAIL	NOTES
A	1	0	0	1/T901	-
B	2	0	0	1/T901	-
C	3	0	0	1/T901	-
D	4	0	0	1/T901	-
E	6	0	0	1/T901	-
F	0	4	2	-	HARD WIRED TO FIBER TRANSCEIVER & POWER
G	1	0	0	1/T901	DIRECT CONNECT

A2

TECHNOLOGY LEGEND NOTES

[A] FLOOR BOXES AND FLOOR PENETRATIONS:
VERIFY EXACT LOCATION, COVER STYLE AND FINISH WITH ARCHITECT PRIOR TO INSTALLATION. PROVIDE ON-GRADE OR FIRE-RATED VERSION FLOOR BOXES AS REQUIRED.

[B] F2(N1, P1) FLOOR BOX CONFIGURATION:
WIREMOLD EVOLUTION SERIES EFB8S/-OG FLOOR BOX WITH FINISHED COVER. VERIFY COVER STYLE AND FINISH WITH ARCHITECT PRIOR TO ORDERING. INCLUDED COMPONENTS: TEMPORARY CONSTRUCTION COVER, TUNNEL SYSTEM, TWO REMOVABLE MODULES, CABLE MANAGEMENT GUIDES, MOUNTING CLAMPS AND LEVELING SUPPORT LEGS. PROVIDE AS REQUIRED: POWER RECEPTACLES, COMMUNICATION JACKS, MOUNTING BRACKETS, DEVICE PLATES, BLANK DEVICE PLATES, DIVIDER PLATES, AND OTHER ACCESSORIES AS NEEDED. CONFIGURE BOX ACCORDING TO DETAILS. VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.

[C] D8(N2, P2) FLAT PANEL DISPLAY BOX CONFIGURATION:
WIREMOLD EVOLUTION SERIES EFSB4 FLAT PANEL DISPLAY WALL BOX. VERIFY COVER COLOR WITH ARCHITECT PRIOR TO ORDERING. INCLUDED COMPONENTS: TUNNEL, DEVICE MODULES, TRIM FLANGE, AND DECORATIVE COVER. PROVIDE AS REQUIRED: POWER RECEPTACLES, COMMUNICATION JACKS, DEVICE PLATES, BLANK DEVICE PLATES, KNOCKOUT PLATES, AND OTHER ACCESSORIES AS NEEDED. CONFIGURE BOX ACCORDING TO DETAILS.

[D] R8(N3, P3) LARGE CAPACITY WALL BOX CONFIGURATION:
FSR WB-X2-GNG LARGE CAPACITY WALL BOX WITH LOCKING COVER. VERIFY COVER COLOR AND STYLE WITH ARCHITECT PRIOR TO ORDERING. INCLUDED COMPONENTS: INTERNAL BRACKETS, CENTER DIVIDERS, AND MOUNTING BRACKETS. PROVIDE AS REQUIRED: POWER RECEPTACLES, COMMUNICATION JACKS, DEVICE PLATES, DEVICE BLANK PLATES, AND OTHER ACCESSORIES AS NEEDED. CONFIGURE BOX ACCORDING TO DETAILS.

[E] PROJECTOR LIFT:
DRAPER SCISSOR LIFT SLX SCISSOR LIFT WITH ENOUGH TRAVEL TO EXTEND TO 6' AFF. PROVIDE OPTIONAL CEILING CLOSURE PANEL OR OPTIONAL ENVIRONMENTAL AIR SPACE HOUSING AS REQUIRED, AS WELL AS CEILING FINISH KIT. COORDINATE FINISH WITH ARCHITECT PRIOR TO ORDERING.

[F] CEILING SUSPENDED VIDEO PROJECTOR:
THE LOCATION OF THE AUDIOVISUAL, POWER AND TELECOM JUNCTION BOXES IN RELATION TO THE PROJECTION SCREEN IS CRITICAL. FOR VIDEO PROJECTOR INFRASTRUCTURE LAYOUT INFORMATION REFER TO THE "TYPICAL PROJECTION SCREEN DETAIL " AND OTHER REFERENCED DETAILS.

[G] PROJECTION SCREEN LOW VOLTAGE CONTROL SYSTEM:
PROVIDE AC LINE VOLTAGE CONNECTION TO SCREEN CONTROL INTERFACE BUILT INTO MOTORIZED PROJECTION SCREEN HOUSING PER MANUFACTURER'S INSTRUCTION. PROVIDE LOW VOLTAGE WIRING CONNECTION FROM SCREEN CONTROL INTERFACE TO WALL MOUNTED PROJECTION SCREEN WALL SWITCH PER MANUFACTURER'S INSTRUCTION.

[H] TELECOM OUTLETS AND ASSOCIATED CONDUITS:
CONDUIT MUST BE PROVIDED FOR ALL TELECOM JUNCTION BOXES. SEE THE "TELECOM TYPICAL CONDUIT RISER" FOR CONDUIT REQUIREMENTS BY TELECOM JUNCTION BOX TYPE. REFER TO THE TELECOM PLANS FOR THE LOCATIONS OF JUNCTION BOXES AND FLOOR BOXES, AND THE "TELECOM CABLING LEGEND" FOR OUTLET CONFIGURATION REQUIREMENTS. TELECOM CABLING, OUTLETS AND COVER PLATES PROVIDED BY THE STRUCTURED CABLING SYSTEMS CONTRACTOR.

[I] POWER RECEPTACLES ADJACENT TO INDICATED TELECOM WALL OUTLETS:
INDICATED TELECOM WALL OUTLETS SHALL HAVE A DUPLEX POWER RECEPTACLE LOCATED WITHIN 36" OF THE TELECOM WALL OUTLET. IDEALLY, THE TELECOM OUTLET BOX WILL BE MOUNTED TO ONE SIDE OF A STUD, AND THE POWER BOX TO THE OPPOSITE SIDE OF THE STUD.

[J] POWER RECEPTACLES AND DIRECT CIRCUIT CONNECTIONS:
TECHNICAL POWER RECEPTACLES AND DIRECT CIRCUIT CONNECTIONS, INCLUDING THOSE WITHIN FLOOR BOXES, WALL BOXES, OR CEILING BOXES, ARE PROVIDED BY ELECTRICAL CONTRACTOR AND APPEAR ON THE ELECTRICAL DRAWINGS. TECHNICAL POWER APPEARS ON THE TECHNOLOGY INFRASTRUCTURE DRAWINGS FOR COORDINATION AND LOCATION PURPOSES. THE LOCATION OF TECHNICAL POWER IN RELATION TO OTHER TECHNOLOGY INFRASTRUCTURE MAY BE CRITICAL. REFER TO THE ELECTRICAL DRAWINGS FOR COMPLETE POWER LAYOUTS AND CIRCUITING DETAILS.

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM 02

10/12/2026	BID AND PERMIT SET

Drawn By	TGAUNTNER
Designer	JFISHMAN, TROBINETTE
Reviewer	DCHITTY, KKERSTETTER
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

SHEET NO.
T002

©Copyright 2026
All Rights Reserved

PLOT INFO: 10/28/2026 12:59:04 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_T_2500281.rvt

PROJECTION SCREEN TYPE LEGEND

ALL DIMENSIONS IN INCHES / WEIGHT IN POUNDS

TYPE	IMAGE SIZE		CASE SIZE			WEIGHT (lbs)	INSTALLATION	OPERATION	MAKE & MODEL	IMAGE SURFACE MATERIAL	CONTROL	CASE PROVIDED BY	FABRIC & ROLLER PROVIDED BY	REFERENCE DETAIL
	HEIGHT (IH)	WIDTH (IW)	HEIGHT (CH)	WIDTH (CW)	DEPTH (CD)									
A	65"	116"	7 15/16"	132 1/2"	7 3/4"	100	CEILING MOUNTED - FLUSH	MOTORIZED	DA-LITE TENSIONED ADVANTAGE WITH SIGHTLINE	PARALLAX STRATOS 1.0	INTERNAL LVC	GENERAL CONTRACTOR	GENERAL CONTRACTOR	1/T003, 3/T802

DISPLAY TYPE LEGEND

ALL DIMENSIONS IN INCHES / WEIGHT IN POUNDS

TYPE	NOMINAL IMAGE DIAGONAL	NOMINAL CASE SIZE			NOMINAL WEIGHT (lbs)	BACKING	
		HEIGHT (H)	WIDTH (W)	DEPTH (D)		HEIGHT (H)	WIDTH (W)
55	55"	29"	50"	4"	60	24"	48"
65	65"	34"	59"	4"	77	24"	48"
98	98"	49"	87"	4"	183	48"	96"

ROOM PROJECTION SCREEN SCHEDULE

PROJECTION SCREEN / VIDEO PROJECTOR RELATIONSHIP IS CRITICAL (SEE GRAPHIC - TYPICAL PROJECTION SCREEN / VIDEO PROJECTOR RELATIONSHIP)

ROOM NUMBER	QTY	SCREEN TYPE	SCREEN				PROJECTOR MOUNT	
			BOTTOM OF IMAGE AFF	BLACK DROP (EST)	DISTANCE [D2]	DISTANCE [D2x]	DISTANCE [D1]	DISTANCE [D1x]
169	1	A	54"	6"	10"	0"	203"	18"
170	1	A	54"	6"	10"	0"	203"	18"

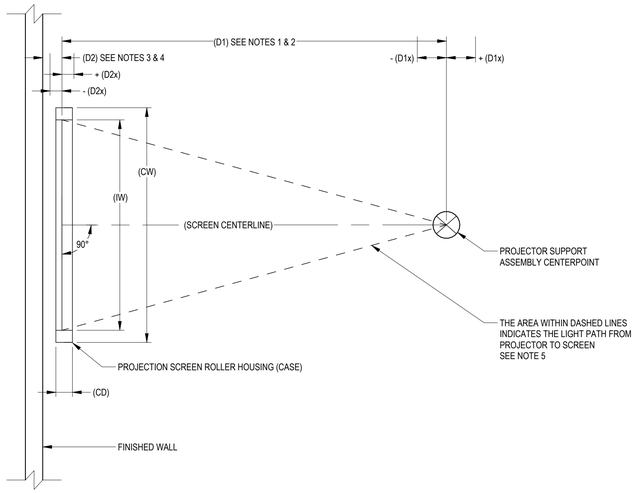
A2 A2 A2

ROOM DISPLAY SCHEDULE

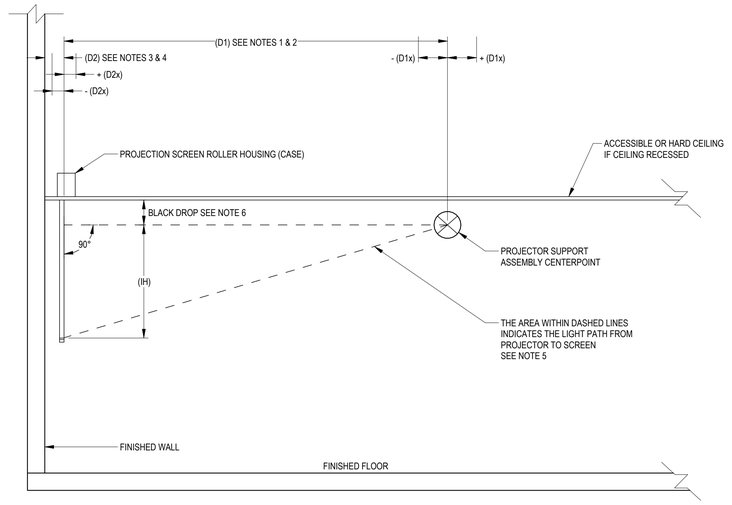
VERTICAL AND HORIZONTAL CENTERLINE OF THE DISPLAY AND BACK BOX MAY DIFFER. REFER TO ELEVATIONS.

ROOM NUMBER	DISPLAY QTY	DISPLAY TYPE	ELEV AFF OC	COMMENTS
104	1	55	108"	
105	2	98	72"	
118	1	65	66"	

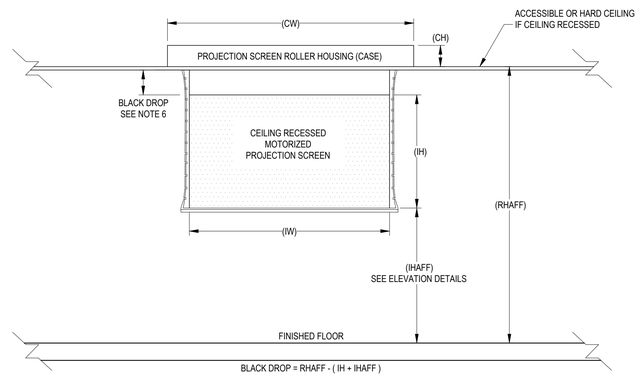
CEILING MOUNTED VIDEO PROJECTION SCREEN & PROJECTOR LAYOUT (TYP) - PLAN VIEW



CEILING MOUNTED VIDEO PROJECTION SCREEN & PROJECTION LAYOUT (TYP) - SECTION



CEILING MOUNTED VIDEO PROJECTION SCREEN (TYP) (AUDIENCE VIEW)



PROJECTION SCREEN / VIDEO PROJECTOR RELATIONSHIP NOTES

1. [D1] – CRITICAL DISTANCE: D1 IS THE DISTANCE FROM THE PROJECTION SCREEN SURFACE TO THE CENTER OF THE PROJECTOR CEILING MOUNT ASSEMBLY.
   - IMPORTANT: IF DISTANCE D2 IS ADJUSTED, D1 MUST REMAIN CONSTANT.
2. [D1X] – ALLOWABLE D1 VARIANCE: D1X DEFINES THE PERMISSIBLE ± VARIANCE FOR D1 TO ACCOMMODATE STRUCTURAL OR OTHER OBSTRUCTIONS.
   - EXAMPLE: IF D1 = 300" AND D1X = 10", THE PROJECTOR CEILING MOUNT CENTER MAY BE LOCATED BETWEEN 290" AND 310" FROM THE SCREEN SURFACE ALONG THE SCREEN CENTERLINE.
3. [D2] – MINIMUM PROJECTION WALL CLEARANCE: D2 IS THE MINIMUM DISTANCE FROM THE PROJECTION WALL TO THE PROJECTION SCREEN SURFACE.
   - IF D2 MUST INCREASE BEYOND D2 + D2X TO AVOID OBSTRUCTIONS, CONTACT THE CONSULTANT FOR DIRECTION.
4. [D2X] – ALLOWABLE D2 VARIANCE: D2X DEFINES THE PERMISSIBLE ± VARIANCE FOR D2.
   - EXAMPLE: IF D2 = 6" AND D2X = 2", THE SCREEN SURFACE MAY BE LOCATED BETWEEN 4" AND 8" FROM THE PROJECTION WALL ON THE SCREEN CENTERLINE.
5. CLEAR PROJECTION PATH: THE PROJECTOR MUST HAVE AN UNOBSTRUCTED VIEW OF THE ENTIRE SCREEN IMAGE AREA AT ALL TIMES.
6. [BLACK DROP] – FIELD VERIFICATION REQUIRED: THE BLACK DROP AMOUNT LISTED IN THE ROOM PROJECTION SCREEN SCHEDULE IS A DESIGN ESTIMATE.
   - FIELD-VERIFY EACH SCREEN PRIOR TO SUBMITTAL.
   - REQUIRED BLACK DROP (BD) = (RHAFF) – (IHAFF + IH)
   - RHAFF: ROLLER HOUSING ELEVATION ABOVE FINISHED FLOOR
   - IHAFF: BOTTOM OF IMAGE HEIGHT ABOVE FINISHED FLOOR
   - IH: IMAGE HEIGHT
   - EXCESS BLACK DROP REMAINING ON THE ROLLER WHEN THE SCREEN IS DEPLOYED SHOULD NOT EXCEED ONE WRAP.
   - IF ACTUAL CEILING HEIGHT DIFFERS FROM DRAWINGS, THE SPECIFIED IMAGE HEIGHT ABOVE FINISHED FLOOR (IHAFF) GOVERNS.
7. POWER JUNCTION BOX LOCATION: LOCATE THE PROJECTION SCREEN POWER JUNCTION BOX ON THE SAME SIDE AS THE SCREEN `S ELECTRICAL CONNECTIONS (VARIES BY SCREEN TYPE). VERIFY LOCATION PRIOR TO INSTALLATION.

1 / T003 TYPICAL PROJECTION SCREEN / VIDEO PROJECTOR RELATIONSHIP
NTS

PLOT INFO: 10/26/2026 12:59:05 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_T_2500281.rvt

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM 02

10/12/2026	BID AND PERMIT SET

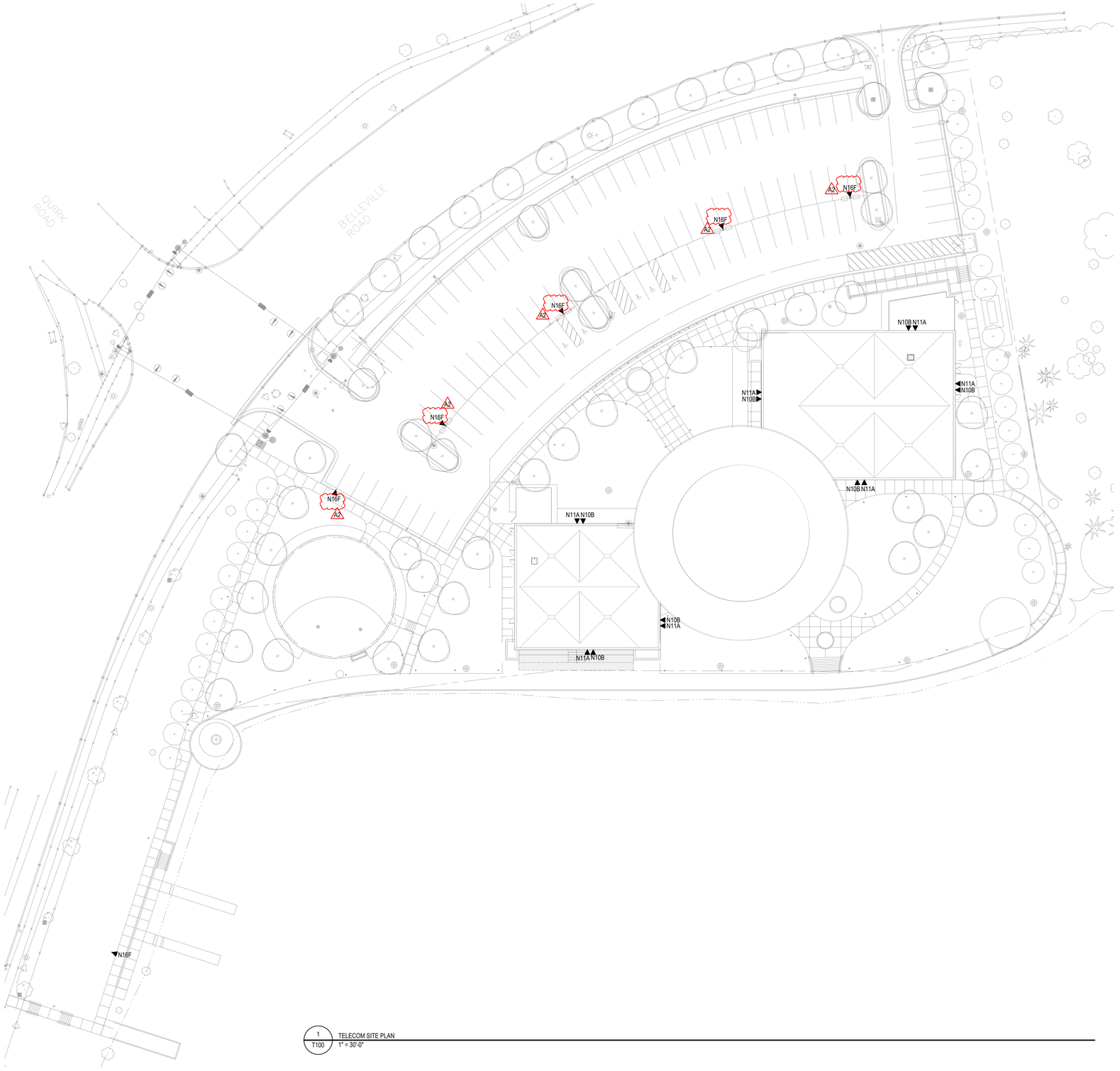
Drawn By	TGAUNTNER
Designer	JFISHMAN, TROBINETTE
Reviewer	DCHITTY, KKERSTETTER
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

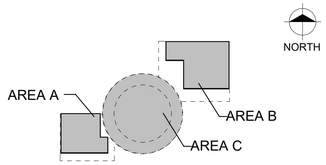
SHEET NO.
T003

©Copyright 2026
All Rights Reserved



1 / T100 TELECOM SITE PLAN
1" = 30'-0"

KEY PLAN



fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM 02

10/12/2026 BID AND PERMIT SET

Drawn By	TGAUNTNER
Designer	JFISHMAN, TROBINETTE
Reviewer	DCHITTY, KKERSTETTER
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

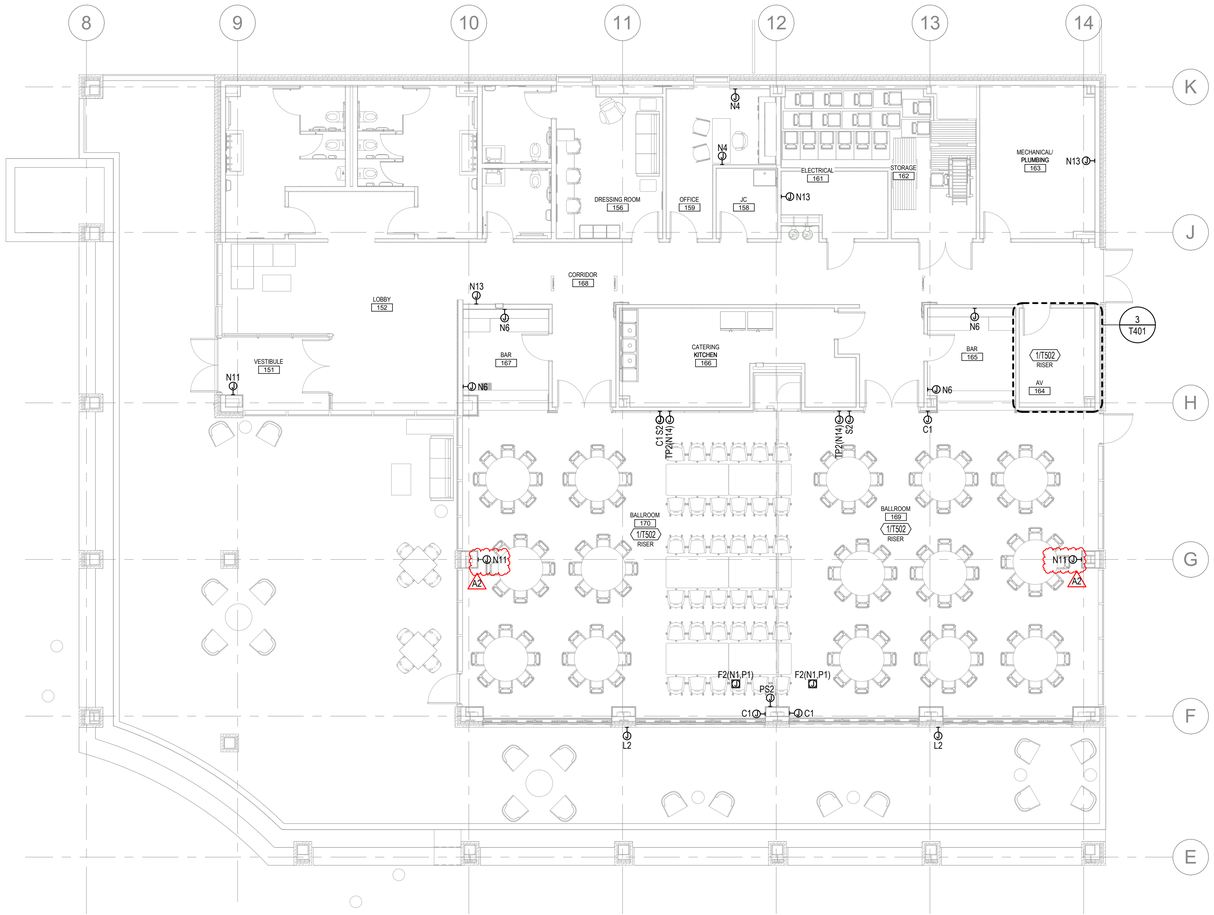
SHEET NO.
T100

©Copyright 2026
All Rights Reserved

PLOT INFO: 10/26/2026 12:59:07 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_T_2500281.rvt

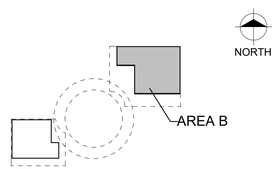
SHEET NOTES - INFRASTRUCTURE

1	REFER TO SHEET T001 FOR ALL TECHNOLOGY INFRASTRUCTURE GENERAL NOTES, LEGENDS, ABBREVIATIONS, AND SHEET INDEX.
2	REFER TO SHEET T002 & T003 FOR ALL INFRASTRUCTURE SCHEDULES AND LEGENDS



1 T101B TECHNOLOGY INFRASTRUCTURE PLAN - FLOOR AREA B
1/8" = 1'-0"

KEY PLAN



fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM 02

10/12/2026 BID AND PERMIT SET

Drawn By	TGAUNTNER
Designer	JFISHMAN, TROBINETTE
Reviewer	DCHITTY, KKERSTETTER
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

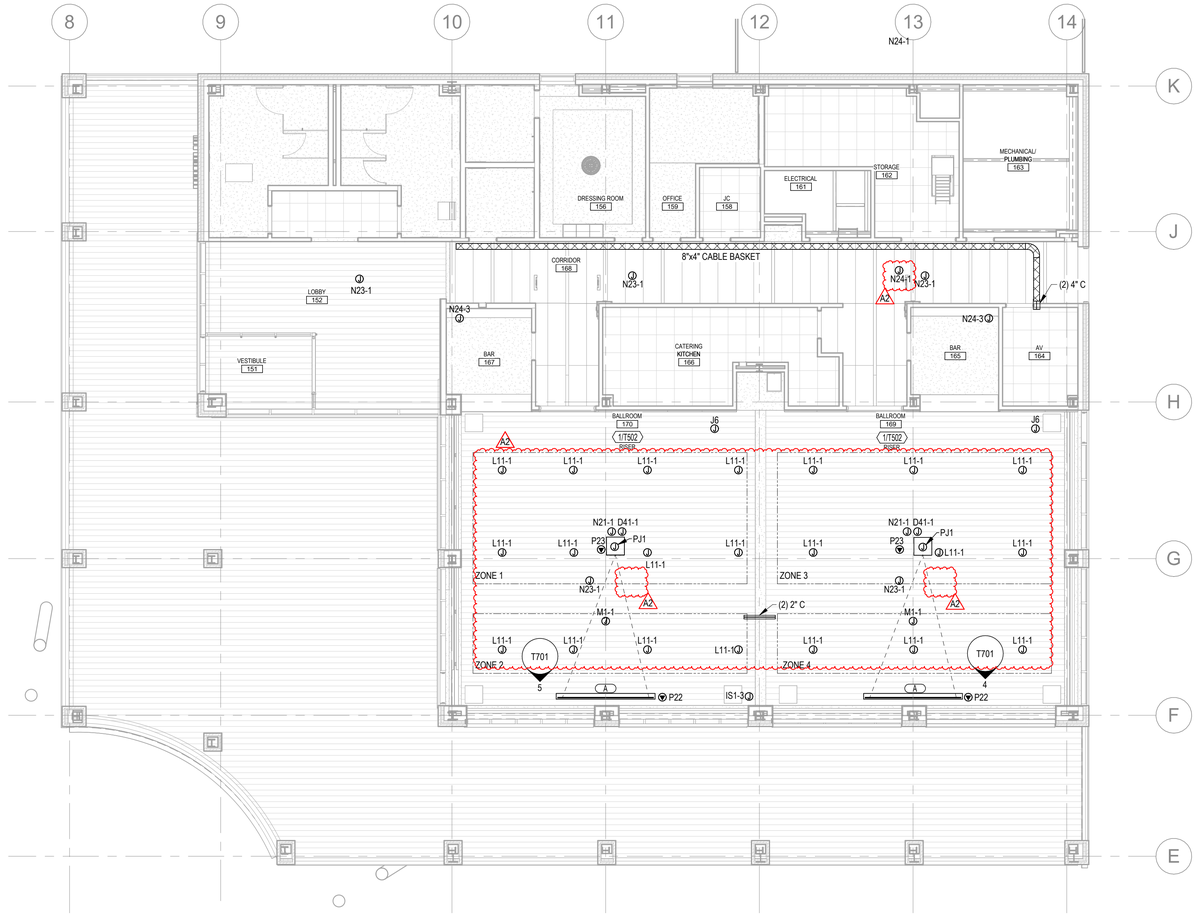
SHEET NO.
T101B

©Copyright 2026
All Rights Reserved

PLOT INFO: 10/28/2026 12:59:09 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_T_2500281.rvt

SHEET NOTES - INFRA RCP

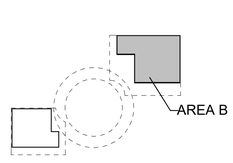
1	REFER TO SHEET T001 FOR ALL TECHNOLOGY INFRASTRUCTURE GENERAL NOTES, LEGENDS, ABBREVIATIONS, AND SHEET INDEX.
2	REFER TO SHEET T002 & T003 FOR ALL INFRASTRUCTURE SCHEDULES AND LEGENDS



1 / T201B — TECHNOLOGY INFRASTRUCTURE REFLECTED CEILING PLAN - FLOOR AREA B

1/8" = 1'-0"

KEY PLAN



fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI
The Lakeside Park

REVISIONS		
10/27/2026	A2	ADDENDUM 02

10/12/2026 BID AND PERMIT SET

Drawn By	TGAUNTNER
Designer	JFISHMAN, TROBINETTE
Reviewer	DCHITTY, KKERSTETTER
Manager	CKRETOVIC

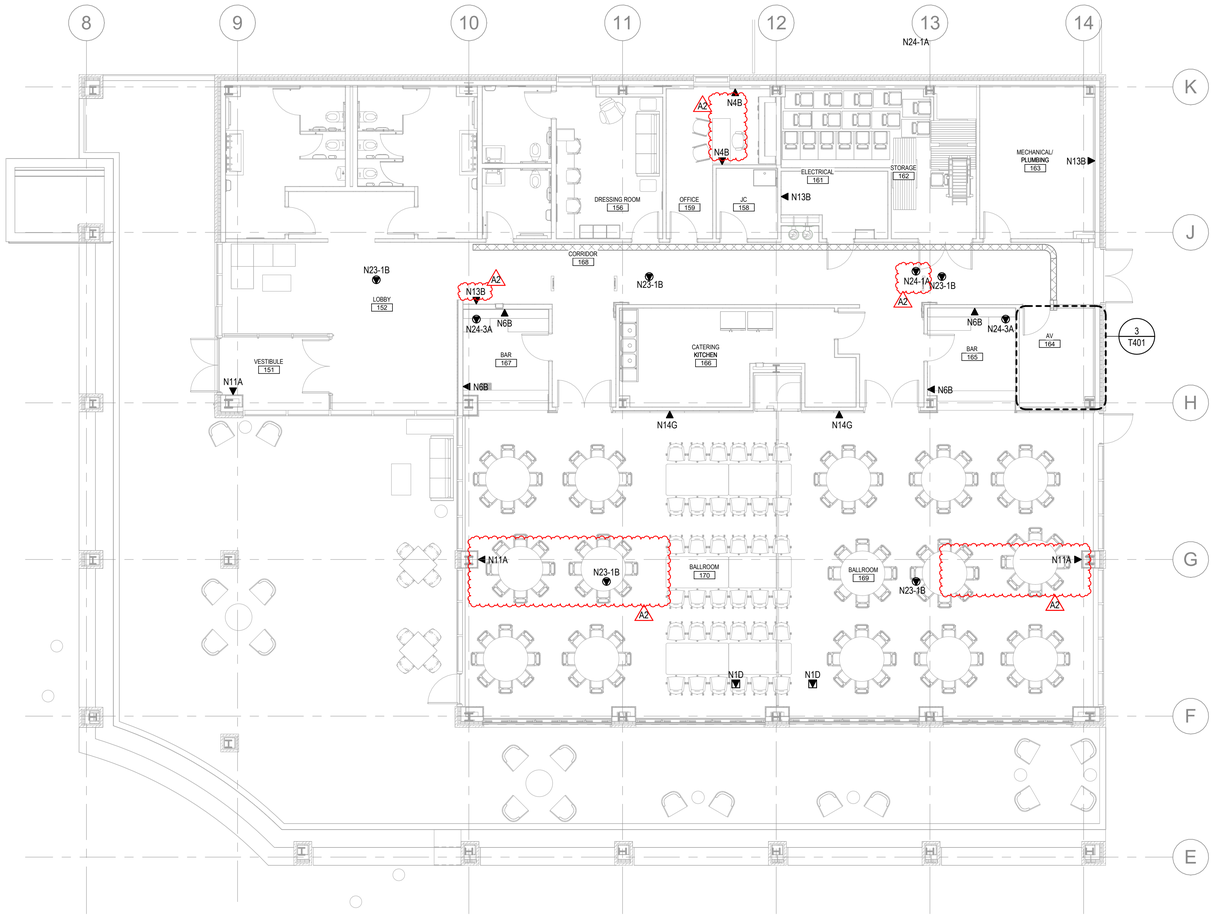
Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

SHEET NO.
T201B

©Copyright 2026
All Rights Reserved

PLOT INFO: 10/26/2026 12:59:14 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_T_2500281.rvt



1 / T301B TELECOM PLAN - FLOOR AREA B
1/8" = 1'-0"

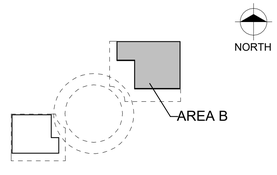
SHEET NOTES - TELECOM

1	REFER TO SHEET T001 FOR ALL TELECOM GENERAL NOTES, LEGENDS, ABBREVIATIONS, AND SHEET INDEX.
2	REFER TO SHEET T002 & T003 FOR ALL TELECOM SCHEDULES AND LEGENDS

TELECOM CABLING LEGEND

TYPE	CAT6A	FIBER	2-16AWG	REFERENCE DETAIL	NOTES
A	1	0	0	1/T901	-
B	2	0	0	1/T901	-
C	3	0	0	1/T901	-
D	4	0	0	1/T901	-
E	6	0	0	1/T901	-
F	0	4	2	-	HARD WIRED TO FIBER TRANSCEIVER & POWER
G	1	0	0	1/T901	DIRECT CONNECT

KEY PLAN



fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM 02

10/12/2026 BID AND PERMIT SET

Drawn By	TGAUNTNER
Designer	JFISHMAN, TROBINETTE
Reviewer	DCHITTY, KKERSTETTER
Manager	CKRETOVIC

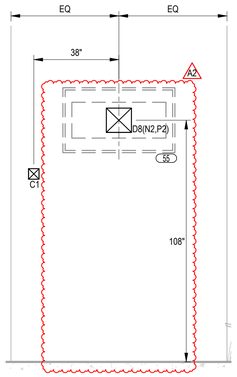
Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

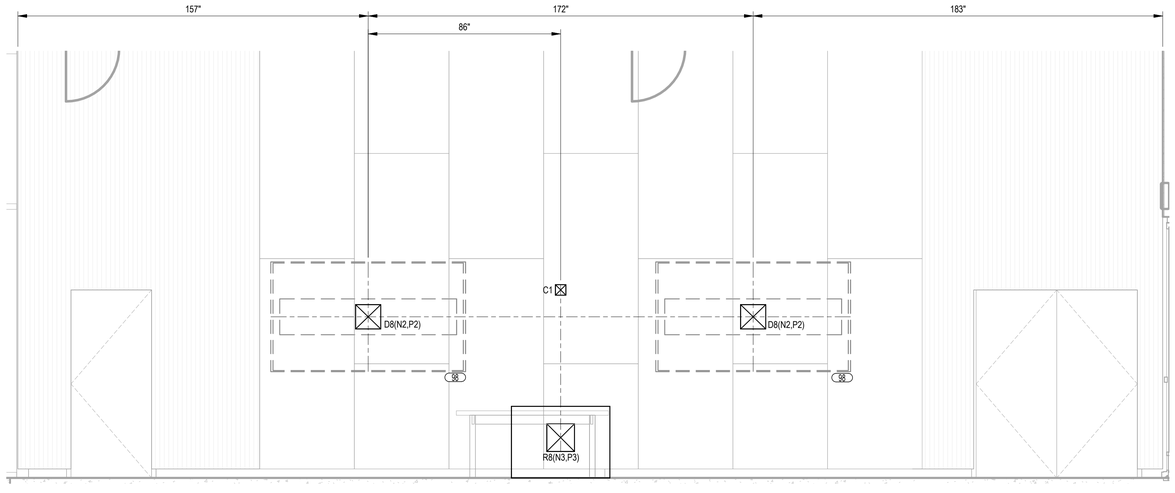
SHEET NO.
T301B

©Copyright 2026
All Rights Reserved

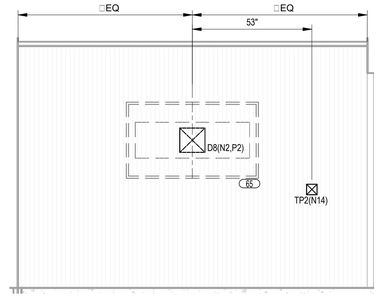
PLOT INFO: 10/26/2026 12:59:16 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_T_2500281.rvt



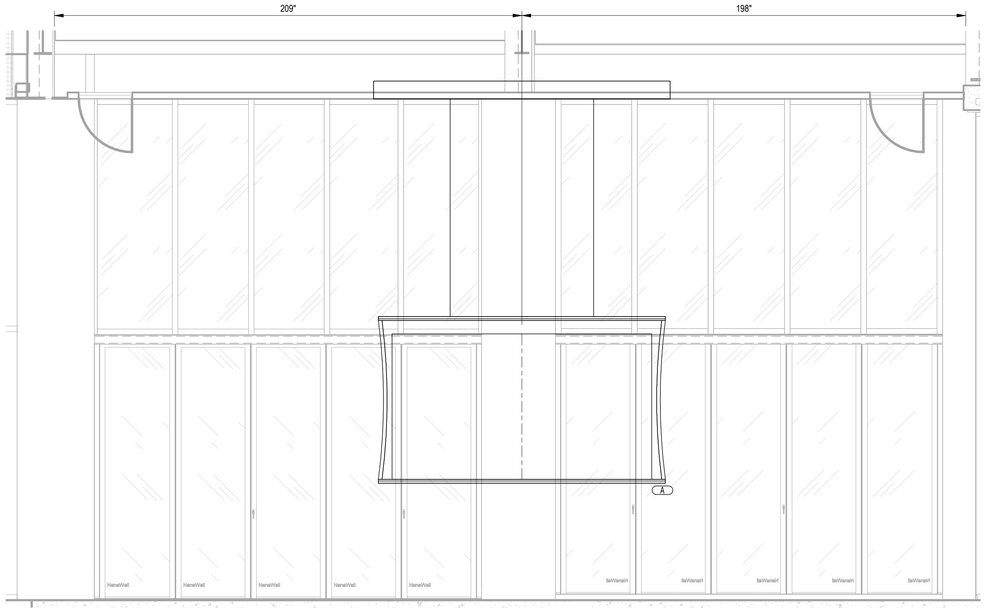
1 / T701 104 - COMMUNITY LIVING ROOM
3/8" = 1'-0"



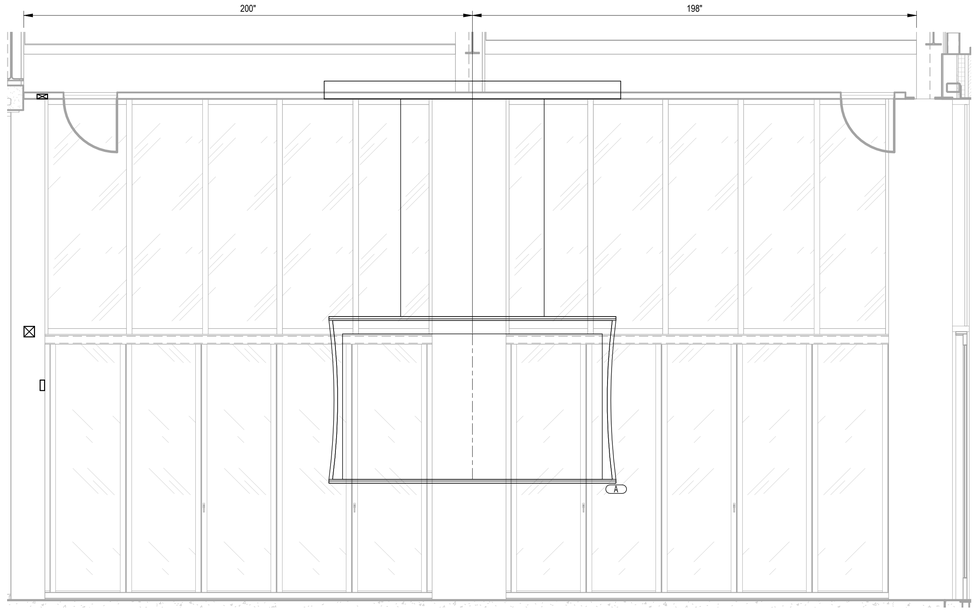
2 / T701 105 - MULTI PURPOSE ROOM
3/8" = 1'-0"



3 / T701 118 - MEETING
3/8" = 1'-0"



4 / T701 169 - BALLROOM
3/8" = 1'-0"



5 / T701 170 - BALLROOM
3/8" = 1'-0"

PLOT INFO: 10/26/2026 12:59:18 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_T_2500281.rvt

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM 02

10/12/2026 BID AND PERMIT SET

Drawn By	TGAUNTNER
Designer	JFISHMAN, TROBINETTE
Reviewer	DCHITTY, KKERSTETTER
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.

2500281

SHEET NO.

T701

©Copyright 2026
All Rights Reserved

SECURITY SYMBOLS LEGEND

(THIS IS A MASTER LEGEND, NOT ALL SYMBOLS MAY APPEAR ON DRAWINGS.)

GENERAL

SYMBOL	DESCRIPTION
XX	KEYNOTE
1	REVISION NUMBER
XX	NEW WORK
(E) XX	EXISTING WORK TO REMAIN
(D) XX	EXISTING WORK TO BE REMOVED (DEMO)
(R) XX	EXISTING WORK TO BE RELOCATED
(N) XX	NEW LOCATION OF EXISTING WORK
(M) XX	EXISTING EQUIPMENT TO BE REWORKED/MODIFIED
	CONNECTION TO EXISTING
	DISCONNECTION FROM EXISTING

SECURITY DEVICES

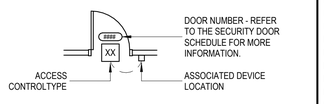
SYMBOL	DESCRIPTION
XX	WALL MOUNTED DEVICE
XX	CEILING MOUNTED DEVICE

SECURITY DEVICE DESIGNATORS

SECURITY DOORS

SYMBOL	DESCRIPTION
XX	ACCESS CONTROL TYPE
□	ASSOCIATED DEVICE LOCATION

SECURITY DOOR DESIGNATORS



ACCESS CONTROL TYPES

CR	CARD READER	EC	ELECTRONIC CONTROL
CRK	CARD READER W/ KEYPAD	FCR	FUTURE CARD READER
DC	DOOR CONTACT	ML	MANUAL LOCK

SECURITY CAMERAS

SYMBOL	DESCRIPTION
FIX	FIXED CAMERA
PTZ	PTZ CAMERA
DUO	90° DUO CAMERA
DUO	180° DUO CAMERA

SECURITY CAMERAS

SYMBOL	DESCRIPTION
180	180° CAMERA
270	270° CAMERA
360	360° CAMERA

SECURITY CAMERA DESIGNATORS

DEVICE TYPES

ACP	ACCESS CONTROL PANEL
ADA	WITH ADA OPENERS
BP	BADGE PRINTER
CB	CODE BLUE PHONE
DR	DOOR RELEASE BUTTON
DVR	DIGITAL VIDEO RECORDER
FA	FIRE ALARM TIE IN
G	GATE
GB	GLASS BREAK SENSOR
IC	INTERCOM
ICM	INTERCOM MASTER
ICP	INTRUSION DETECTION CONTROL PANEL
IL	INTER-LOCK
K	KNOX BOX
KP	KEYPAD
LA	LOCAL ALARM SOUNDER
MON	MONITOR
MS	MOTION SENSOR
NVR	NETWORK VIDEO RECORDER
OH	OVERHEAD DOOR CONTACT
PB	PANIC BUTTON
PS	POWER SUPPLY
REX	REQUEST TO EXIT MOTION DETECTOR
REX-B	REQUEST TO EXIT RELEASE BUTTON
SC	SECURITY CONTRACTOR
SCC	STRUCTURED CABLE CONTRACTOR
T	TICKET
TS1	TURNSTILE - ADA
TS2	TURNSTILE
UPS	UNINTERRUPTIBLE POWER SUPPLY
VI	VIDEO INTERCOM
VIM	VIDEO INTERCOM MASTER
W	WIRELESS
WS	SECURITY WORKSTATION

ADDITIONAL INFORMATION

ADA	WITH ADA OPENERS
FA	FIRE ALARM TIE IN
G	GATE MOUNTED
W	WIRELESS

CONTRACTOR RESPONSIBILITY MATRIX

ALL ITEMS AND TASKS LISTED ARE THE RESPONSIBILITY OF THE NOTED CONTRACTOR.

#	ITEM /TASK	FURNISH	INSTALL
1	ROUGH OR FINISHED TRIM, CASEWORK AND MILLWORK	GC	GC
2	AC POWER SYSTEMS, CONDUIT, RACEWAYS, ELECTRICAL BACK BOXES, SECURITY BACK BOXES, JUNCTION BOXES, PULL BOXES, FLOOR BOXES AND OTHER INFRASTRUCTURE	GC	GC
3	TELECOMMUNICATIONS STRUCTURED CABLING SYSTEMS, HORIZONTAL AND BACKBONE CABLING AND TERMINATION, ASSOCIATED CABINETS, RACKS, RACEWAYS AND CABLE MANAGEMENT SYSTEMS	SCC	SCC
4	TELECOMMUNICATIONS CONNECTOR INSERT PLATES FOR FLOOR BOXES AND / OR WALL BOXES	SCC	SCC
5	ELECTRONIC SECURITY SYSTEMS EQUIPMENT AND SECURITY CABLING FOR ACCESS CONTROL, INTRUSION ALARM, DURESS, VIDEO SURVEILLANCE, OTHERS AS SPECIFIED	SC	SC
6	ELECTRONIC LOCKS AND ELECTRIFIED HINGES	DH	SC
7	ELECTRONIC LOCKING DEVICE POWER SUPPLIES - LOW VOLTAGE	SC	SC
8	ELECTRONIC LOCKING DEVICE POWER SUPPLY LOW VOLTAGE WIRING	SC	SC
9	ELECTRONIC LOCKING DEVICE POWER SUPPLY 120 VOLTAGE WIRING	EC	EC
10	DOOR CONTACTS	DH	DH
11	REQUEST TO EXIT DEVICES	DH	DH
12	CATEGORY CABLING FOR VIDEO SURVEILLANCE	SCC	SCC
13	NETWORK SWITCHES AND EQUIPMENT	O	O
14	EMERGENCY PHONES	SC	SC
15	REQUEST TO EXIT DEVICES (ABOVE DOOR)	SC	SC
16	NETWORK VIDEO RECORDER / SERVER AND ASSOCIATED SOFTWARE	SC	SC
17	VIDEO SURVEILLANCE CAMERA LICENSES	SC	SC
18	NETWORK VIDEO WORKSTATION AND MONITORS	O	O
19	CARD ACCESS BADGING WORKSTATION AND MONITORS	O	O
20	CARD ACCESS BADGING PRINTER	O	O

SECURITY DOOR SCHEDULE

CONTRACTOR SHALL COORDINATE AND CONFIRM ALL SECURITY DOOR ROUGH-IN REQUIREMENTS WITH ARCHITECTURAL DOOR SCHEDULE AND DIVISION 08 DOOR HARDWARE SPECIFICATIONS.

ROOM NUMBER	ROOM NAME	DOOR NUMBER	ACCESS CONTROL	REFERENCE DETAIL	NOTES
101	VESTIBULE	101A	CR	2/Y801	
104	COMMUNITY LIVING ROOM	104	CR	5/Y801	MULLION-MOUNTED CARD READER
105	MULTI PURPOSE ROOM	105	CR	5/Y801	MULLION-MOUNTED CARD READER
106	STORAGE	106	CR	2/Y801	
107	ELECTRICAL	107	CR	5/Y801	
113	RESTROOM	113	DC	3/Y801	
114	JC	114	CR	5/Y801	
115	IT/AV	115	CR	5/Y801	
117	OFFICE	117	CR	5/Y801	
118	MEETING	118	CR	5/Y801	MULLION-MOUNTED CARD READER
119	CORRIDOR	119	CR	5/Y801	
121	RESTROOM	121	DC	3/Y801	
151	VESTIBULE	151	CR	2/Y801	
156	DRESSING ROOM	156	CR	5/Y801	
159	OFFICE	158	CR	5/Y801	
158	JC	159	CR	5/Y801	
161	ELECTRICAL	161	CR	5/Y801	
162	STORAGE	162	CR	2/Y801	
163	MECHANICAL/ PLUMBING	163	CR	5/Y801	
164	AV	164	CR	5/Y801	
165	BAR	165	CR	5/Y801	
166	CATERING KITCHEN	166	CR	5/Y801	
167	BAR	167	CR	5/Y801	
168	CORRIDOR	168	CR	2/Y801	
169	BALLROOM	169	CR	2/Y801	
169	BALLROOM	169A	CR	3/Y801	MULLION-MOUNTED CARD READER
170	BALLROOM	170	CR	2/Y801	
170	BALLROOM	170A	CR	5/Y801	MULLION-MOUNTED CARD READER
112	MECHANICAL	174	CR	5/Y801	

SECURITY GENERAL NOTES

GENERAL NOTES

1. THESE DRAWINGS MUST BE USED IN CONJUNCTION WITH THE FOLLOWING SPECIFICATIONS: DIV-28 SECURITY, DIV-08 HARDWARE, DIV-26 ELECTRICAL, DIV-27 COMMUNICATIONS.
2. FURNISH AND INSTALL FIRE STOP TO ALL SLAB AND WALL PENETRATIONS PROVIDED FOR THE INSTALLATION OF SECURITY CABLE AS REQUIRED TO MAINTAIN FIRE RATING OF SLAB OR WALL.
3. NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN THESE CONTRACT DRAWINGS AND FIELD CONDITIONS.
4. INSTALL ALL COMPONENTS AS PER MANUFACTURERS RECOMMENDATIONS AND PER ALL APPLICABLE CODES.
5. INDICATE ALL MOUNTING REQUIREMENTS IN THE LEGEND UNLESS OTHERWISE NOTED.
6. VERIFY AND COORDINATE THE EXACT MOUNTING LOCATION OF ALL DEVICES PRIOR TO INSTALLATION.
7. THE MOUNTING HEIGHTS ARE TO THE CENTERLINE OF THE DEVICE UNLESS OTHERWISE NOTED.
8. RESTORE CEILINGS AND WALLS AND ANY OTHER SURFACES AFFECTED BY THIS WORK WITH LIKE MATERIALS TO MATCH EXISTING CONSTRUCTION UPON COMPLETION OF THE SECURITY WORK.

ELECTRICAL DRAWINGS AND COORDINATION:

1. COORDINATE WALL BOX LOCATIONS AND DIMENSIONS WITH ARCHITECTURAL AND ELECTRICAL DRAWINGS.
2. COORDINATE WITH ELECTRICAL DRAWINGS FOR LOCATION OF ALL SECURITY EQUIPMENT.
3. ALL CONDUIT, PATHWAYS, AND STANDARD BACK BOXES FOR SECURITY EQUIPMENT ARE TO BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
4. POWER CIRCUITS FOR SECURITY EQUIPMENT ARE TO BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
5. SECURITY CONTRACTOR SHALL COORDINATE ALL SECURITY WORK AND REQUIREMENTS WITH ELECTRICAL CONTRACTOR PRIOR TO ROUGH-IN WORK.

CONDUIT:

1. COORDINATE CONDUIT AND LADDER RACK FOR SECURITY WIRING TO MAINTAIN A MINIMUM OF 5 " SEPARATION FROM LIGHTING FIXTURES.
2. COORDINATE INSTALLATION OF CONDUITS AND CABLE BASKETS WITH OTHER COMPONENTS INSTALLED WITHIN THE CEILING. PREPARE ALL SHOP DRAWINGS TO DEMONSTRATE AND ENSURE PROPER INSTALLATION OF ALL COMPONENTS.
3. MAINTAIN MINIMUM BEND RADIUS OF 10 X O.D. FOR SECURITY CONDUITS EQUAL TO OR LESS THAN 2 " DIAMETER.
4. REAM AND BUSH THE ENDS OF ALL CONDUITS.
5. PROVIDE AND LEAVE IN PLACE A PULL STRING IN EACH CONDUIT. PULL STRINGS SHALL ALSO BE INSTALLED IN ALL SPARE/EMPTY CONDUITS.
6. STUB UP CONDUIT SLEEVES THROUGH SLABS 6 " ABOVE FINISHED FLOORS.
7. PROVIDE HANGERS, ANCHORS, MOUNTING HARDWARE, GROUND LUGS, AND STRAPS AS REQUIRED TO ENSURE PROPER INSTALLATION OF PATHWAY COMPONENTS.
8. PROVIDE ALL LADDER RACK AND CABLE BASKET LOCATIONS: RUNWAY, DROP-OFFS, SPICE HARDWARE, GROUND STRAPS, THERMAL EXPANSION PLATES, TERMINATION KITS, END SUPPORT KITS, AND CEILING SUPPORT HARDWARE.
9. WHERE CABLE IS RUN ABOVE NON-ACCESSIBLE (I.E., GYPSUM BOARD) CEILING CONSTRUCTION, CONDUITS, AND PULL BOXES MUST BE INSTALLED TO PROPERLY ROUTE CABLE.
10. PROVIDE J-HOOKS AND CABLE STRAPS TO SUPPORT CABLE ABOVE ACCESSIBLE CEILING CONSTRUCTION EXCEPT IN AREAS WHERE CABLE BASKET OR CONDUIT IS INDICATED ON THE DRAWINGS.
11. ALL CONDUIT SHALL BE A MINIMUM OF 1 " EMT UNLESS OTHERWISE NOTED.
12. ALL CONDUIT SHALL BE ROUTED ABOVE CEILING, BELOW FLOORS, OR WITHIN WALLS IN THE FINISHED AREAS. NO CONDUIT SHALL BE EXPOSED IN THE FINISHED AREAS UNLESS APPROVED BY DESIGNER.
13. ALL CONDUITS SHALL HAVE PLASTIC BUSHINGS INSTALLED AT OPEN ENDS PRIOR TO PULLING WIRE.
14. ALL BACK BOXES SHALL BE FLUSH MOUNTED UNLESS OTHERWISE NOTED.
15. ALL BACK BOXES MOUNTED WITHIN FIRE RATED PARTITIONS SHALL MEET THE FIRE RATING OF THE PARTITION AS REQUIRED BY CODE.
16. COORDINATE THE EXACT LOCATION OF ALL PULL BOXES WITH ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS.
17. ALL JUNCTION AND PULL BOXES SHALL BE PROVIDED WITH ACCOMPANYING BLANK COVER PLATE.
18. JUNCTION BOXES LOCATED ABOVE DOORS WITH NO ACCESSIBLE CEILING SHALL BE SECURED WITH TAMPER PROOF SCREWS.
19. PROVIDE WATERTIGHT SEALING ASSEMBLIES WITH PRESSURE BUSHING AS REQUIRED FOR EXTERIOR PENETRATIONS.
20. JUNCTION AND PULL BOXES IN EXTERIOR LOCATIONS SHALL BE WATERPROOF.
21. JUNCTION AND PULL BOXES IN ROOM AREAS UTILIZING FM200 (SEE FIRE PROTECTION DRAWINGS) SHALL BE VAPOR TIGHT.
22. ALL CONDUIT ROUTING SHOWN IS SCHEMATIC AND DOES NOT REPRESENT INSTALLED PATHS OR DISTANCES. ACTUAL ROUTING AND BOX LOCATIONS SHALL BE FIELD VERIFIED AND COORDINATED WITH OTHER WORK OF THE CONTRACT.

CABLE:

1. FURNISH AND INSTALL SECURITY CABLING FROM DEVICE TO TERMINATION POINT, AS INDICATED IN DEVICE SCHEDULES. DATA CABLING SHALL BE PROVIDED AND INSTALLED BY DIV-27 STRUCTURED CABLING CONTRACTOR.
2. ALL CABLES SHALL BE PLENUM RATED WHERE REQUIRED.
3. WIRE SHEATH SHALL BE MAINTAINED TO FINAL TERMINATION. ALL TERMINATIONS SHALL MAINTAIN TWIST OF INDIVIDUAL PAIRS TO WITHIN 0.5 " OR LESS OF FINAL TERMINATION.

LABELING:

1. PROVIDE IDENTIFICATION LABELS FOR ALL SECURITY CABLES AT BOTH ENDS.
2. PROVIDE DESIGNATION LABELS FOR ALL SECURITY PANELS, POWER SUPPLIES, CABINETS AND ENCLOSURES.
3. PROVIDE WHITE LABEL WITH TYPEWRITTEN LEGIBLE CHARACTERS PRINTED WITH NON-SMEAR TYPE INK. HANDWRITTEN LABELS ARE NOT PERMITTED. PROVIDE LABELS FOR CABLES WITH PROTECTIVE WRAP AROUND PLASTIC TRANSPARENT COVER WHICH WILL SERVE TO PROTECT THE INK FROM SMEARING AND SECURE THE LABEL TO THE CABLE. PROVIDE LABELS FOR CABLES WIDE ENOUGH FOR 24 CHARACTERS IN A SINGLE ROW.
4. ALL WIRES SHALL BE LABELED WITHIN 6.5 " OF FINAL TERMINATION.

CAMERAS:

1. THE CONTRACTOR SHALL PROVIDE THE MEANS FOR OPTIMUM CAMERA LOCATION, LENS SELECTION AND VIEW. THE CONTRACTOR SHALL PROVIDE A FIXED CAMERA WITH A SERIES OF VARI-FOCAL LENSES FOR THE PURPOSE OF ACQUIRING FIELD OF VIDEO AND VIDEO PICTURE FROM EACH INTENDED CAMERA LOCATION. TO SHOW VARYING FIELD OF VIEWS AND QUALITY OF CAMERA PICTURE. THE CONTRACTOR SHALL OBTAIN CONCURRENCES OF THE SELECTED CAMERA PLACEMENT, LENS SELECTION FIELD OF VIEW, AND PROVIDE IMAGES TO THE ENGINEER FOR ACCEPTED FIELD OF VIEW.
2. UPON COMPLETION OF INSTALLATION, DOCUMENT THAT THE CAMERA LOCATIONS AND LENSES CHOSEN/UTILIZED ARE AS SELECTED IN THE INITIAL PROCEDURE AND SUBMIT THE FIELD OF VIEWS PROVIDED BY THE COMPLETED INSTALLATION FOR APPROVAL BY THE DESIGNER THAT THEY ARE COMPARABLE TO THOSE OBTAINED IN THE INITIAL SELECTION PROCEDURE.

SECURITY SHEET INDEX

ISSUE: 2026-10-12 BID AND PERMIT SET	2026-09-21 CD PEER REVIEW	2026-09-09 CD TEAM REVIEW	2026-08-10 CD 50% PROGRESS	2026-06-22 DD OWNER REVIEW	SHEET NUMBER	SHEET DESCRIPTION
•	•	•	•	•	Y001	SECURITY SYMBOLS LEGEND, NOTES AND SCHEDULES
•	•				Y100	SECURITY SITE PLAN
•	•	•	•	•	Y101A	SECURITY PLAN - FLOOR AREA A
•	•	•	•	•	Y101B	SECURITY PLAN - FLOOR AREA B
•	•	•	•		Y801	SECURITY DETAILS

SECURITY CAMERA SCHEDULE

ROOM NUMBER	ROOM NAME	DEVICE NUMBER	CAMERA TYPE	MAKE & MODEL	TERMINATION POINT	REFERENCE DETAIL	NOTES
101	VESTIBULE	C-101-1	FIX	HANWHA XNV-A6084R	115	6/Y801	
102	RECEPTION	C-640-1	360	HANWHA QNF-9010	115	6/Y801	
104	COMMUNITY LIVING ROOM	C-104-1	DUO	HANWHA PNM-7082RVD	115	6/Y801	
105	MULTI PURPOSE ROOM	C-105-1	DUO	HANWHA PNM-7082RVD	115	6/Y801	
119	CORRIDOR	C-119-1	DUO	HANWHA PNM-7082RVD	115	6/Y801	
151	VESTIBULE	C-152-1	180	HANWHA QNF-9010	164	6/Y801	
164	AV	C-164-1	180	HANWHA QNF-9010	164	6/Y801	
165	BAR	C-165-1	FIX	HANWHA XNV-A6084R	164	1/Y801	
167	BAR	C-167-1	FIX	HANWHA XNV-A6084R	164	1/Y801	
168	CORRIDOR	C-168-1	360	HANWHA QNF-9010	164	1/Y801	
169	BALLROOM	C-169-1	270	HANWHA QNF-9010	164	6/Y801	
170	BALLROOM	C-170-1	270	HANWHA QNF-9010	164	6/Y801	
EXT	EXTERIOR	C-EXT -6	270	HANWHA QNF-9010	164	7/Y801	
EXT	EXTERIOR	C-EXT-1	270	HANWHA QNF-9010	115	7/Y801	
EXT	EXTERIOR	C-EXT-2	270	HANWHA QNF-9010	115	7/Y801	
EXT	EXTERIOR	C-EXT-3	270	HANWHA QNF-9010	115	7/Y801	
EXT	EXTERIOR	C-EXT-4	270	HANWHA QNF-9010	164	7/Y801	
EXT	EXTERIOR	C-EXT-5	270	HANWHA QNF-9010	164	7/Y801	
EXT	EXTERIOR	C-EXT-7	270	HANWHA QNF-9010	164	2/Y801	
EXT	EXTERIOR	C-EXT-8	360	HANWHA QNF-9010	115	8/Y801	
EXT	EXTERIOR	C-EXT-9	360	HANWHA QNF-9010	164	8/Y801	
EXT	EXTERIOR	C-EXT-10	360	HANWHA QNF-9010	164	8/Y801	
EXT	EXTERIOR	C-EXT-11	360	HANWHA QNF-9010	164	8/Y801	
EXT	EXTERIOR	C-EXT-12	360	HANWHA QNF-9010	115	8/Y801	
EXT	EXTERIOR	C-EXT-13	360	HANWHA QNF-9010	164	8/Y801	

A2

SECURITY DEVICE SCHEDULE

ROOM NUMBER	ROOM NAME	DEVICE NUMBER	DEVICE TYPE	MAKE & MODEL	TERMINATION POINT	REFERENCE DETAIL	NOTES
102	RECEPTION	PB-102	PB		115	4/Y801	
115	IT/AV	ACP-115	ACP		115	N/A	
115	IT/AV	PS-115	PS		115	N/A	
164	AV	ACP-164	ACP		164	N/A	
164	AV	PS-164	PS		164	N/A	
165	BAR	PB-165	PB		164	4/Y801	
167	BAR	PB-167	PB		164	4/Y801	

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM 02

10/12/2026 BID AND PERMIT SET

Drawn By	TGAUNTNER
Designer	JFISHMAN, TROBINETTE
Reviewer	DCHITTY, KKERSTETTER
Manager	CKRETOVIC

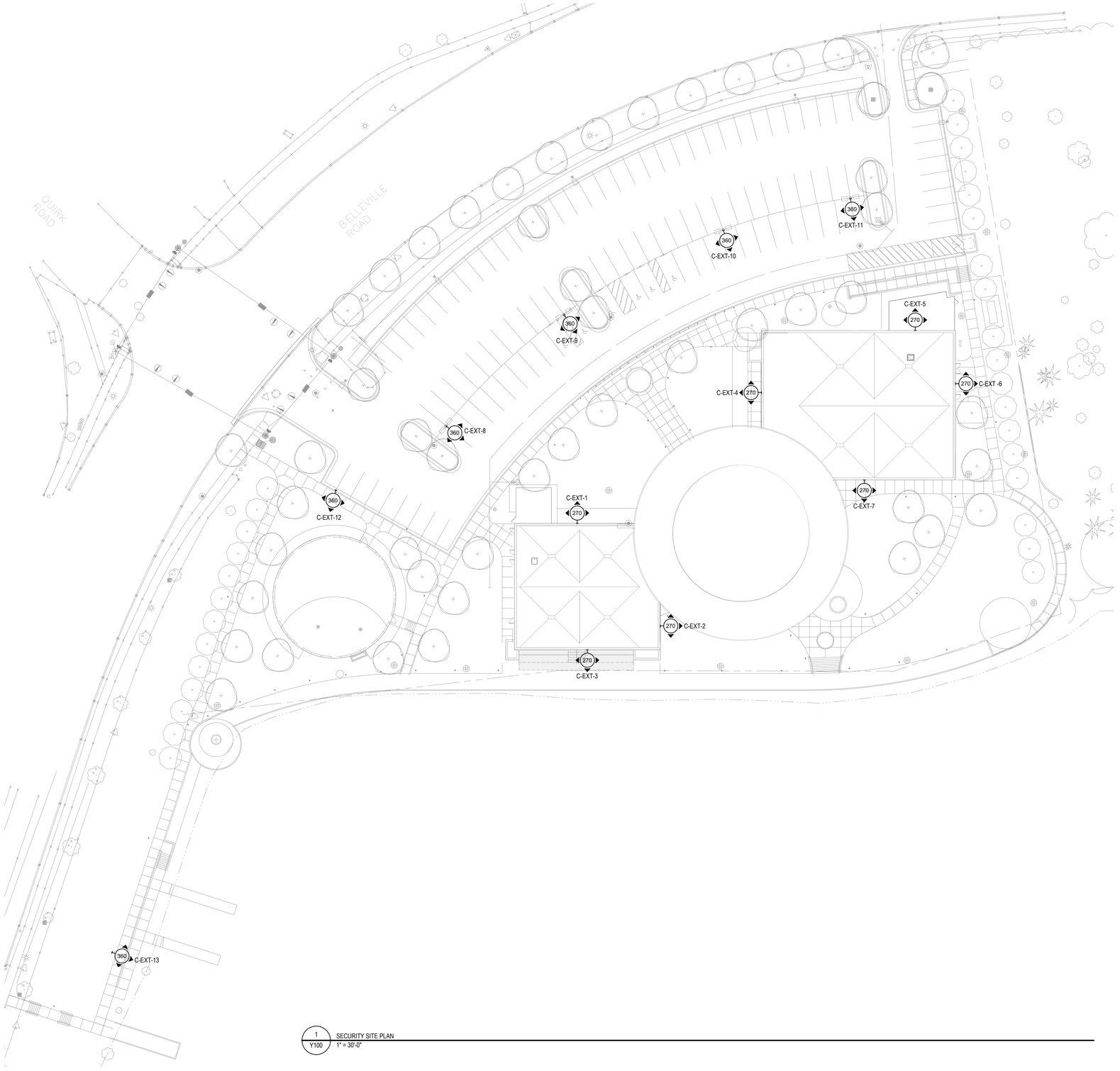
Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

SHEET NO.
Y001

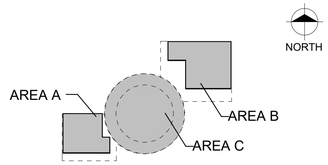
©Copyright 2026
All Rights Reserved

PLOT INFO: 10/26/2026 12:59:19 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_T_2500281.rvt



1 / Y100 SECURITY SITE PLAN
1" = 30'-0"

KEY PLAN



PLOT INFO:: 10/26/2026 12:59:21 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_T_2500281.rvt

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS

10/12/2026	BID AND PERMIT SET

Drawn By	TGAUNTNER
Designer	JFISHMAN, TROBINETTE
Reviewer	DCHITTY, KKERSTETTER
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

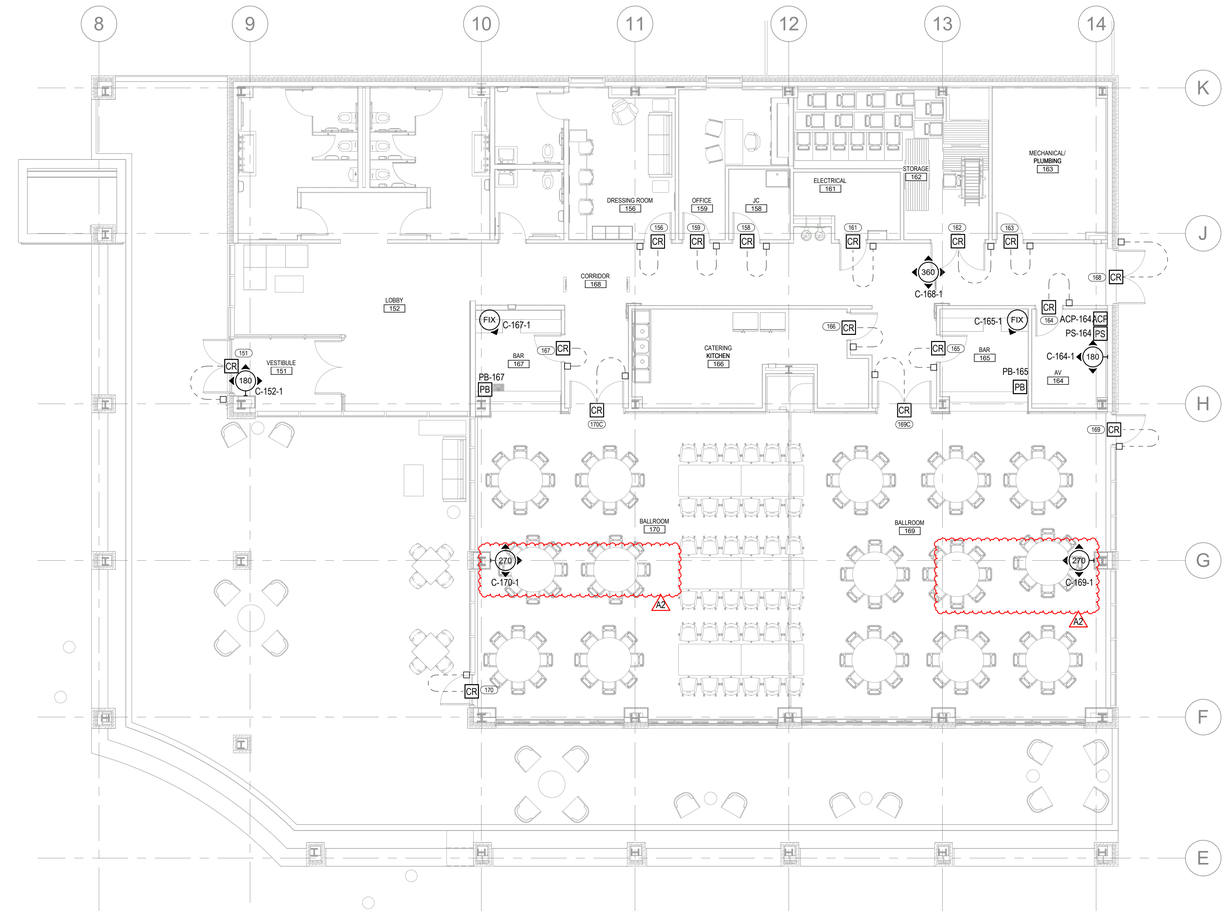
PROJECT NO.
2500281

SHEET NO.
Y100

©Copyright 2026
All Rights Reserved

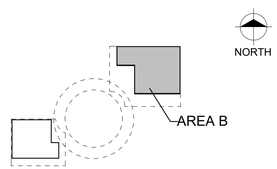
SHEET NOTES - SECURITY

1	REFER TO SHEET Y001 FOR ALL SECURITY GENERAL NOTES, LEGENDS, ABBREVIATIONS, AND SHEET INDEX.



1 / Y101B — SECURITY PLAN - FLOOR AREA B
1/8" = 1'-0"

KEY PLAN



fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM 02

10/12/2026 BID AND PERMIT SET

Drawn By	TGAUNTNER
Designer	JFISHMAN, TROBINETTE
Reviewer	DCHITTY, KKERSTETTER
Manager	CKRETOVIC

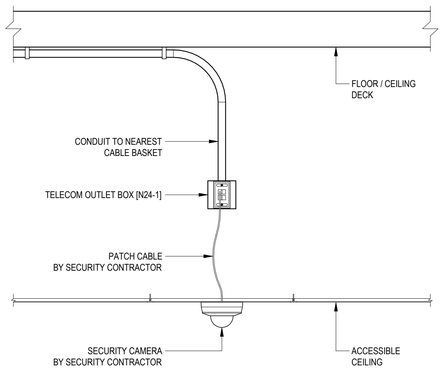
Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

SHEET NO.
Y101B

©Copyright 2026
All Rights Reserved

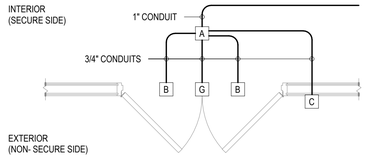
PLOT INFO: 10/26/2026 12:59:23 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_T_2500281.rvt



NOTES:

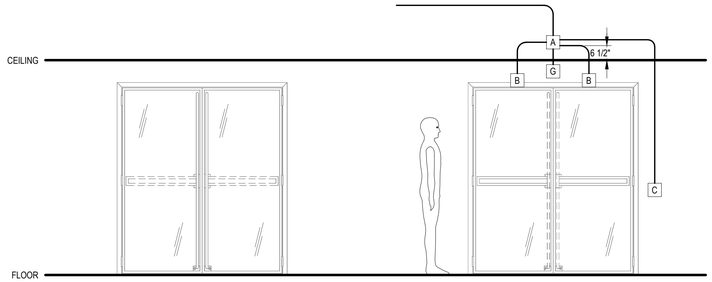
1. UNLESS OTHERWISE INDICATED GENERAL CONTRACTOR TO PROVIDE ALL ELEMENTS SHOWN.
2. SEE THE TELECOM TYPICAL CONDUIT RISER FOR CONDUIT REQUIREMENTS.

1 / Y801 ACCESSIBLE CEILING FLUSH MOUNT CAMERA
NTS



PLAN VIEW

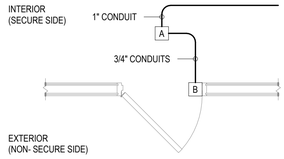
SYMBOL	EQUIPMENT DESCRIPTION	QTY.	INFRASTRUCTURE
A	JUNCTION BOX	1	8" x 8" x 4" BOX
B	RECESSED DOOR CONTACT	2	MOUNTED IN DOOR JAMB
C	CARD READER/KEYPAD	1	MOUNT TO WALL PER ARCHITECT'S INSTRUCTIONS
G	LOCAL ALARM SOUNDER	1	(AS REQUIRED)COORDINATE LOCATION WITH ARCHITECT



EXTERIOR ELEVATION (NON-SECURE SIDE)
DOUBLE DOOR

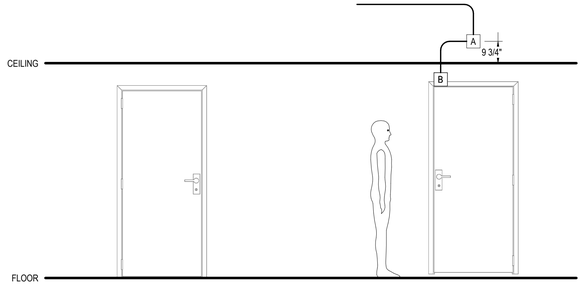
INTERIOR ELEVATION (SECURE SIDE)
DOUBLE DOOR

2 / Y801 DOUBLE DOORS W/CARD READER & MONITORING
NTS



PLAN VIEW

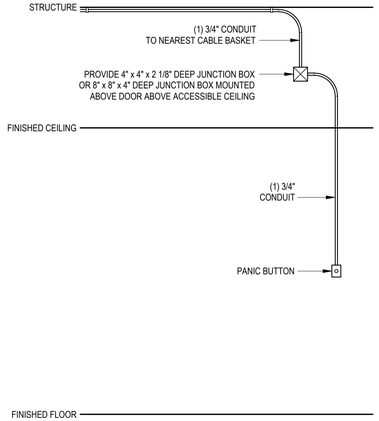
SYMBOL	EQUIPMENT DESCRIPTION	QTY.	INFRASTRUCTURE
A	JUNCTION BOX	1	8" x 8" x 4" BOX
B	RECESSED DOOR CONTACT	1	MOUNTED IN DOOR JAMB



EXTERIOR ELEVATION (NON-SECURE SIDE)
SINGLE DOOR

INTERIOR ELEVATION (SECURE SIDE)
SINGLE DOOR

3 / Y801 SINGLE DOOR W/MONITORING
NTS



NOTES:

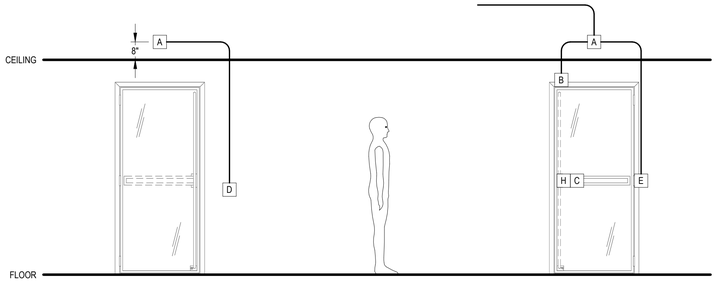
1. REVIEW PANIC BUTTON LOCATION WITH THE SECURITY CONSULTANT AND ARCHITECT PRIOR TO INSTALLATION.

4 / Y801 INTERIOR WALL MOUNTED PANIC BUTTON
NTS



PLAN VIEW

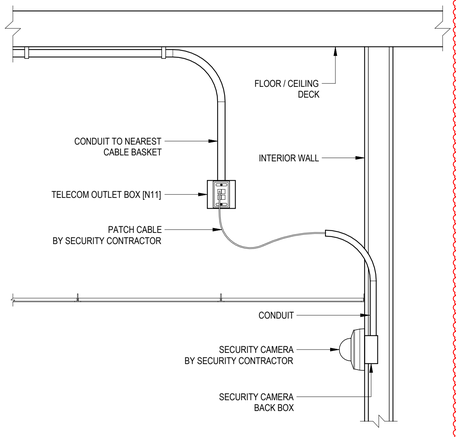
SYMBOL	EQUIPMENT DESCRIPTION	QTY.	INFRASTRUCTURE
A	JUNCTION BOX	1	8" x 8" x 4" BOX
B	RECESSED DOOR CONTACT	1	MOUNTED IN DOOR JAMB
C	REQUEST TO EXIT INTEGRATED IN HARDWARE	1	BY DOOR HARDWARE (AS REQUIRED)
D	CARD READER	1	MOUNT TO WALL PER ARCHITECT'S INSTRUCTIONS
E	ELECTRIFIED HINGE	1	BY DOOR HARDWARE
H	CRASH BAR	1	BY DOOR HARDWARE



EXTERIOR ELEVATION (NON-SECURE SIDE)
SINGLE DOOR

INTERIOR ELEVATION (SECURE SIDE)
SINGLE DOOR

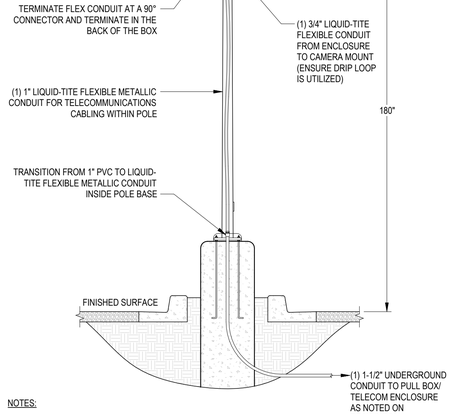
5 / Y801 SINGLE DOOR - WITH CARD READER
NTS



NOTES:

1. UNLESS OTHERWISE INDICATED GENERAL CONTRACTOR TO PROVIDE ALL ELEMENTS SHOWN.
2. SEE THE TELECOM TYPICAL CONDUIT RISER FOR CONDUIT REQUIREMENTS.

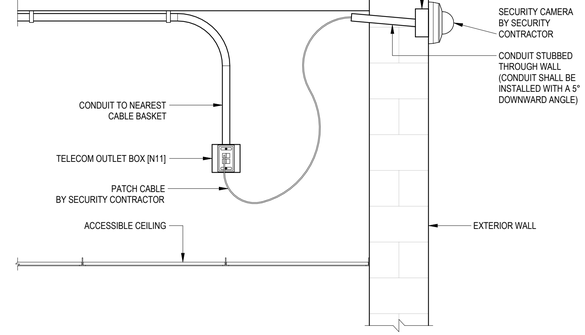
6 / Y801 INTERIOR WALL FLUSH MOUNT CAMERA
1" = 1'-0"



NOTES:

1. ALL MATERIALS AND COMPONENTS EXPOSED TO WEATHER SHALL BE WEATHERPROOF AND ALL MOUNTING HARDWARE SHALL BE STAINLESS STEEL .
2. COORDINATE EXACT CAMERA PLACEMENT/VIEW ANGLE WITH OWNER.
3. CONFIRM COLOR AND PAINT BOXES, COVERS AND ATTACHMENT HARDWARE AS REQUIRED.

7 / Y801 POLE MOUNT CAMERA
3/8" = 1'-0"



NOTES:

1. UNLESS OTHERWISE INDICATED GENERAL CONTRACTOR TO PROVIDE ALL ELEMENTS SHOWN.
2. SEE THE TELECOM TYPICAL CONDUIT RISER FOR CONDUIT REQUIREMENTS.

8 / Y801 EXTERIOR WALL FLUSH MOUNT CAMERA
1" = 1'-0"

A3

PLOT INFO: 10/26/2026 12:59:24 PM Autodesk Docs://2500281 - Van Buren Twp Lake House/2026_T_2500281.rvt

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township

Van Buren Township, MI

The Lakeside Park

REVISIONS

10/27/2026	A2	ADDENDUM 02

10/12/2026 BID AND PERMIT SET

Drawn By	TGAUNTNER
Designer	JFISHMAN, TROBINETTE
Reviewer	DCHITTY, KKERSTETTER
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

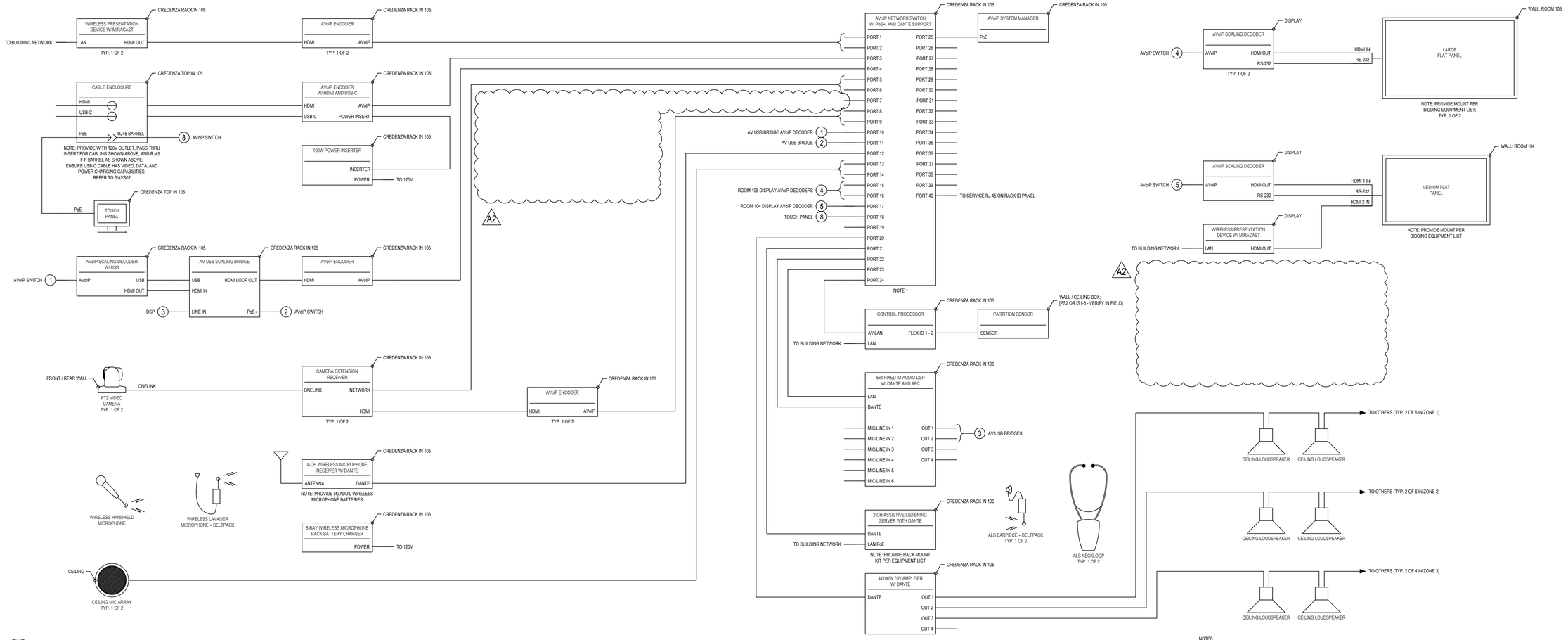
PROJECT NO.

2500281

SHEET NO.

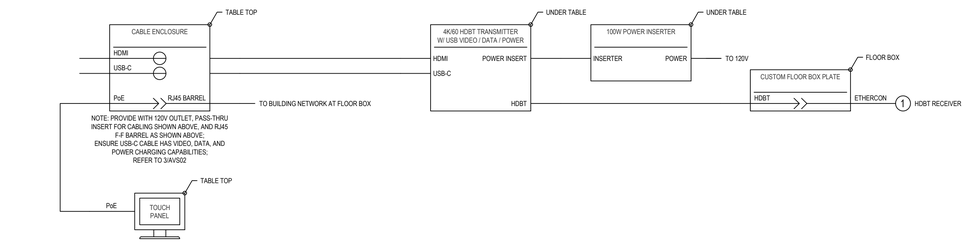
Y801

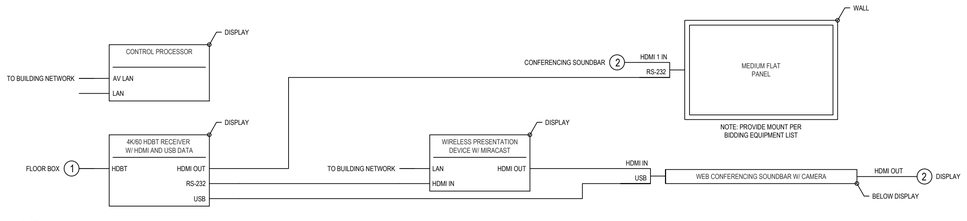
©Copyright 2026
All Rights Reserved



NOTES
1. PORT ASSIGNMENTS ARE DIAGRAMMATIC. OWNER REQUIREMENTS, FIELD CONDITIONS, AND LOGICAL GROUPINGS MAY REQUIRE ALTERNATE PORT ASSIGNMENTS. PROVIDE PoE INJECTORS AND/OR SFP+ INSERTS WHERE REQUIRED. LAND ALL CONNECTIONS AT PATCH BAY PRIOR TO CONNECTION TO SWITCH.

1 AVS02 SY02 - COMMUNITY LIVING ROOM / MULTI-PURPOSE ROOM - QTY. 1 - ROOM NUMBERS 104 / 105
SCALE: NTS





2 AVS02 SY03 - MEETING ROOM - QTY. 1 - ROOM NUMBER 118
SCALE: NTS



3 AVS02 CC01 - CABLE ENCLOSURE LAYOUT
SCALE: NTS

PLOT INFO: 10/26/2026 1:02:55 PM

fishbeck
Engineers | Architects | Scientists | Constructors

Van Buren Charter Township
Van Buren Township, MI

The Lakeside Park Project

REVISIONS

10/27/2026	A2	ADDENDUM 02

10/12/2026	BID AND PERMIT SET
Drawn By	JF
Designer	NV5
Reviewer	NV5
Manager	CKRETOVIC

Hard copy is intended to be 24"x36" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
2500281

SHEET NO.
AVS02

©Copyright 2026
All Rights Reserved

Van Buren Township
The Lake House

ADDENDUM 02

Bidding Equipment List

*See 274116 Appendices

Number : **169 / 170 / 164**

Type : **SY01**

Name : **Ballroom**

Rm Qty : **1**

ID	Manufacturer	Model	Item / Description	Unit Qty	Bidding Notes*
Display Surfaces					
1	Generic	Projection Screen	Projection Screen per Infrastructure Reference Drawings (OFOI)	2	B
Display Devices					
2	Epson	EB-PU1008x	8,500 Lumens, 3LCD, Laser Light Projector, WUXGA w/ 4K Enhancement, Lens Not Included	2	D
3	Contractor Select	Zoom Lens	Projector Lens for Above	2	F
4	Chief	Projector Ceiling Mount	Contractor Selected Projector Ceiling Mount	2	-
5	Chief	Projector Mounting Hardware	Contractor Selected Projector Mounting Hardware as Needed	2	-
6	Contractor Select	Projector Extension Column	Projector Extension Column for Above	2	F
7	Samsung	QM55C	55" Professional LED Edge-Lit Display w/ Built-In Speakers, 3840 x 2160 Native	2	-
8	Chief	MFQUx	Medium Confidence Monitor Cart 2'	2	-
Source Devices					
9	Extron	Sharelink Pro 2000 w/ Miracast	4K Wireless Presentation System w/ Miracast & ShareNext - US	2	-
10	BrightSign	XT244	4K H.265/H.264 Standard I/O Player	1	-
Video Capture, Streaming and Conferencing					
11	Vaddio	RoboShot 20 UHD OneLink HDMI	UHD PTZ Camera - 12x Optical / 20x Digital Zoom - 74 Deg. FOV - HD-SDI/Network/HDBT/HDMI Outputs PoE++ - 2160p/30 Native	2	-
12	Extron	MediaPort 300	4K HDMI and Audio to USB Scaling Bridge	2	-
Signal Processing, Routing, and Distribution					
13	Extron	DTP3 T 322 D	Two Input 4K/60 DTP3 Transmitter for HDMI and USB-C with Data – Decorator-Style Wallplate	2	D
14	Extron	DTP3 R 331	DTP3 Receiver for 4K/60 HDMI and USB Data	2	-
15	Extron	UPI 100	100 Watt Power Inserter for Extron USB-C Products	2	-
16	Extron	NAV E 501	1G Pro AV over IP Encoder - HDMI, Ethernet, and USB	2	H
17	Extron	NAV E 121	1G Pro AV over IP Compact Encoder - HDMI	7	-
18	Extron	NAV SD 121	1G Pro AV over IP Compact Scaling Decoder - HDMI	4	-
19	Extron	NAV SD 501	1G Pro AV over IP Scaling Decoder - HDMI, Ethernet, and USB	2	H
20	Extron	NAVigator	Pro AV over IP System Manager, 16 Endpoints	1	H
21	Netgear	M4250-40G8XF-PoE++	40 Port, 1G Ports, PoE++ (720/1650/2880W), (8) 10G SFP, 240 Gbps, AV Line Managed Network Switch	1	-

Van Buren Township
The Lake House

ADDENDUM 02

Bidding Equipment List

*See 274116 Appendices

Number : **169 / 170 / 164**

Type : **SY01**

Name : **Ballroom**

Rm Qty : **1**

ID	Manufacturer	Model	Item / Description	Unit Qty	Bidding Notes*
Speech Reinforcement System/Audio Conferencing					
22	Extron	DMP 128 Plus C AT	12x8 ProDSP Digital Matrix Audio Processor w/ USB Audio, Dante, and AEC	1	-
23	Shure	ULXD4Q	Quad Channel Digital Wireless Receiver	1	F
24	Contractor Select	Antenna Distribution	Contractor Select Antenna Distribution Systems	1	-
25	Shure	ULXD1	Wireless Bodypack Transmitter w/ On/Off Switch and LED Status, TQG Connector (Black Only)	2	F
26	Shure	WL185	Cardioid Lavalier Microphone	2	-
27	Shure	ULXD2/B58	Handheld Digital Wireless Microphone Transmitter w/ Beta 58 Cartridge	2	F
28	Shure	SB900C	Rechargeable Lithium-Ion Battery	4	-
29	Shure	SBRC-US	8-Bay Battery Rack Charger (SB900A)	1	-
Sound Reinforcement System					
30	Extron	NETPA U 2004 FX	4-CH, 200W @ 70V/8Ohm/4Ohm Amplifier with Local and Dante Inputs, Integrated DSP	1	-
31	QSC	AD-C6T-xx	6" 2-Way Ceiling Speaker, Weather-Resistant, w/70V/100V transformer & 8Ohm Bypass	21	D
32	Listen Technologies	LW-170-02-09	Listen Everywhere 2 Channel Server, Dante	1	-
33	Listen Technologies	LA-480-01	16 Unit Docking / Charging Station	1	-
34	Listen Technologies	LA-438	Advanced Neck Loop (Adult)	2	-
35	Listen Technologies	LW-307	ListenWIFI Hearing Assistance Signage	1	-
36	Listen Technologies	LWR-1020	Listen EVERYWHERE Wi-Fi Audio Receiver 1020	7	-
37	Listen Technologies	LA-401	Universal Ear Speaker	7	-
38	Listen Technologies	LA-326	Universal Rack Mounting Kit	1	-
Control System					
39	Extron	IPCP Pro 360Q xi	IP Link Pro Processor, Quad Core, (3) RS-232, (4) Relay, (4) I/O, Lan, (3) AV Lan Ports	1	-
40	Extron	TLP Pro 1035M	10.1" Wall Mount TouchLink Pro Touchpanel (Select Color)	2	D
41	Extron	TLP Pro 1035T	10.1" Tabletop TouchLink Pro Touchpanel (Select Color)	2	D
42	AV Contractor Select	Partition Sensor	Contractor Selected Partition Sensor	1	-

Van Buren Township
The Lake House

ADDENDUM 02

Bidding Equipment List

*See 274116 Appendices

ID	Manufacturer	Model	Item / Description	Unit Qty	Bidding Notes*

Number : **169 / 170 / 164**

Type : **SY01**

Name : **Ballroom**

Rm Qty : **1**

Rack, Panels, Misc.					
43	Middle Atlantic	L2	Pre-Configured Lectern, 28" W x 25" D. With AV Connectivity and Flip Up Shelf	2	D
44	Middle Atlantic	BGR-4532-AV	BGR-Series 45RU, 32"D Equipment Rack Pre-Configured For AV	1	-
45	Middle Atlantic	PDX-920R-SP	NEXSYS 9 Outlet, 20 Amp Rackmount Power with Series Surge Protection	1	-
46	Middle Atlantic	PDT-1620C-NS	Vertical Power Distribution Strip, (16) Outlets, 20A	1	-
47	RCI Custom	NV5001-250217MM-02	Shared Credit Rack ID Panel with RJ45 Passthrough	1	-
48			Installation Materials as Defined in AV Systems Specification	Lot	
49			Custom Wall/Floor Box and Decorator-Style Plates as Needed	Lot	
50			Pre-Made Loose Cabling and Field Cabling as Needed	Lot	
51			Rack Panels, Vents, Mounts, Shelves, Other Rack Materials as Needed	Lot	
52			Rack ID Panels per Specification, See AV Rack Accessories	Lot	
53			Wall, Ceiling Mounts and Mounting Hardware as Needed	Lot	
54			Control System Accessories as Needed	Lot	
55			Power Supplies and Power Distribution as Needed	Lot	
56			Cable Terminations, Cable Dressing, Labels, Ties, Cable Management as Needed	Lot	

End of System

Van Buren Township
The Lake House

ADDENDUM 02

Bidding Equipment List

*See 274116 Appendices

ID	Manufacturer	Model	Item / Description	Unit Qty	Bidding Notes*
Number : **104 / 105**					
Type : **SY02**					
Name : **Community Living Room / Multi-Purpose Room**					
Rm Qty : **1**					
Display Devices					
1	Samsung	QM98x	98" Professional LED Edge-Lit Display w/Built-In Speakers, 3840x2160 Native (Latest Model)	2	-
2	Chief	Wall Mount	Contractor Selected Flat Panel Display Wall Mount	2	-
3	Samsung	QM55C	55" Professional LED Edge-Lit Display w/ Built-In Speakers, 3840 x 2160 Native	1	-
4	Chief	AS3LDP7	Tempo™ Flat Panel Wall Mount System w/ PDU	1	-
Source Devices					
5	Extron	Sharelink Pro 2000 w/ Miracast	4K Wireless Presentation System w/ Miracast & ShareNext - US	3	-
6	Extron	Cable Cubby 202	Cable Enclosure, Flip Top, Basic, (1) AC & Cable Pass Through Bracket	1	-
7	Extron	Cable Enclosure Inserts	Inserts And Blank Plates For Above - Refer To System Diagram For Details	1	-
8	Extron	Cable Enclosure Accessories	Accessories For Above As Required (e.g. Cloaks, Brackets, Etc)	1	-
Video Capture, Streaming and Conferencing					
9	Vaddio	RoboShot 20 UHD OneLink HDMI	UHD PTZ Camera - 12x Optical / 20x Digital Zoom - 74 Deg. FOV - HD-SDI/Network/HDBT/HDMI Outputs PoE++ - 2160p/30 Native	2	-
10	Extron	MediaPort 300	4K HDMI and Audio to USB Scaling Bridge	1	-
Signal Processing, Routing, and Distribution					
11	Extron	NAV E 222	1G Pro AV Over IP Encoder with USB-C and HDMI	1	-
12	Extron	UPI 100	100 Watt Power Inserter for Extron USB-C Products	1	-
13	Extron	NAV E 121	1G Pro AV over IP Compact Encoder - HDMI	5	-
14	Extron	NAV SD 121	1G Pro AV over IP Compact Scaling Decoder - HDMI	3	-
15	Extron	NAV SD 501	1G Pro AV over IP Scaling Decoder - HDMI, Ethernet, and USB	1	H
16	Extron	NAV E 111 DTP3	1G Pro AV over IP Encoder with DTP3 Input	1	H
ADDENDUM 02.1	*Extron*	*NAV E 111 DTP3*	*1G Pro AV over IP Encoder with DTP3 Input*	*(1)*	*H*
17	Extron	DTP3 T 212 D	Two Input 4K/60 DTP3 Transmitter for USB-C and HDMI – Decorator-Style Wallplate, 18 Gbps	1	D
ADDENDUM 02.2	*Extron*	*DTP3 T 212 D*	*Two Input 4K/60 DTP3 Transmitter for USB-C and HDMI – Decorator-Style Wallplate, 18 Gbps*	*(1)*	*D*
18	Extron	NAVigator	Pro AV over IP System Manager, 16 Endpoints	1	H
19	Netgear	M4250-40G8XF-PoE++	40 Port, 1G Ports, PoE++ (720/1650/2880W), (8) 10G SFP, 240 Gbps, AV Line Managed Network Switch	1	-

Van Buren Township
The Lake House

ADDENDUM 02

Bidding Equipment List

*See 274116 Appendices

ID	Manufacturer	Model	Item / Description	Unit Qty	Bidding Notes*
Number : **104 / 105**					
Type : **SY02**					
Name : **Community Living Room / Multi-Purpose Room**					
Rm Qty : **1**					
Speech Reinforcement System/Audio Conferencing					
20	Extron	DMP 64 Plus C AT	6x4 Digital Matrix Processor w/ AEC and Dante	1	-
21	Shure	MXA925x-R	Ceiling Array Microphone & Integrated Loudspeaker w/ Dante, PoE+, Round	2	D
22	Shure	ULXD4Q	Quad Channel Digital Wireless Receiver	1	F
23	Shure	ULXD1	Wireless Bodypack Transmitter w/ On/Off Switch and LED Status, TQG Connector (Black Only)	1	F
24	Shure	WL185	Cardioid Lavalier Microphone	1	-
25	Shure	ULXD2/B58	Handheld Digital Wireless Microphone Transmitter w/ Beta 58 Cartridge	1	F
26	Shure	SB900C	Rechargeable Lithium-Ion Battery	2	-
27	Shure	SBRC-US	8-Bay Battery Rack Charger (SB900A)	1	-

Van Buren Township
The Lake House

ADDENDUM 02

Bidding Equipment List

*See 274116 Appendices

Number : **104 / 105**

Type : **SY02**

Name : **Community Living Room / Multi-Purpose Room**

Rm Qty : **1**

ID	Manufacturer	Model	Item / Description	Unit Qty	Bidding Notes*
Sound Reinforcement System					
28	Extron	NetPA U 1004-70V	4-CH, 100W @ 70V Amplifier with Local and Dante Inputs, Integrated DSP	1	-
29	QSC	AD-C6T-xx	6" 2-Way Ceiling Speaker, Weather-Resistant, w/70V/100V transformer & 8Ohm Bypass	16	D
30	Listen Technologies	LW-170-02-09	Listen Everywhere 2 Channel Server, Dante	1	-
31	Listen Technologies	LA-423	4-Port USB Charger For Use w/ Assisted Listening Receivers	1	-
32	Listen Technologies	LA-438	Advanced Neck Loop (Adult)	2	-
33	Listen Technologies	LW-307	ListenWIFI Hearing Assistance Signage	1	-
34	Listen Technologies	LWR-1020	Listen EVERYWHERE Wi-Fi Audio Receiver 1020	2	-
35	Listen Technologies	LA-401	Universal Ear Speaker	2	-
36	Listen Technologies	LA-326	Universal Rack Mounting Kit	1	-
Control System					
37	Extron	IPCP Pro 255Q xi	IP Link Pro Control Processor, Quad Core, (1) Bidirectional RS-232 Serial Port, (1) Bidirectional RS-232/RS-422/RS-485 Serial port, (1) IR/Serial Port, (4) Digital I/O ports, (2) Relays, Dual NIC	1	-
38	Extron	TLP Pro 1035M	10.1" Wall Mount TouchLink Pro Touchpanel (Select Color)	1	D
ADDENDUM 02.3	*Extron*	*TLP Pro 1035M*	*10.1" Wall Mount TouchLink Pro Touchpanel (Select Color)*	*(1)*	*D*
39	Extron	TLP Pro 1035T	10.1" Tabletop TouchLink Pro Touchpanel (Select Color)	1	D
40	AV Contractor Select	Partition Sensor	Contractor Selected Partition Sensor	1	-
Rack, Panels, Misc.					
ADDENDUM 02.4	*Middle Atlantic*	*C5-FF27-2*	*C5-Series Frame, (2) Bay, 27"D*	*(1)*	-
ADDENDUM 02.5	*Middle Atlantic*	*C5-FF27-3*	*C5-Series Frame, (3) Bay, 27"D*	*1*	-
ADDENDUM 02.6	*Middle Atlantic*	*C5K2A1xxx*	*C5 Wood Kit 2-Bay 27"D 32"H*	*(1)*	*D*
ADDENDUM 02.7	*Middle Atlantic*	*C5K3A1xxx*	*C5 Wood Kit 3-Bay, 27" D x 32" H*	*1*	-
41	Middle Atlantic	PDX-920R-SP	NEXSYS 9 Outlet, 20 Amp Rackmount Power with Series Surge Protection	2	-
42	RCI Custom	NV5001-250217MM-02	Shared Credit Rack ID Panel with RJ45 Passthrough	1	-
43			Installation Materials as Defined in AV Systems Specification	Lot	
44			Custom Wall/Floor Box and Decorator-Style Plates as Needed	Lot	
45			Pre-Made Loose Cabling and Field Cabling as Needed	Lot	
46			Rack Panels, Vents, Mounts, Shelves, Other Rack Materials as Needed	Lot	
47			Rack ID Panels per Specification, See AV Rack Accessories	Lot	
48			Wall, Ceiling Mounts and Mounting Hardware as Needed	Lot	
49			Control System Accessories as Needed	Lot	
50			Power Supplies and Power Distribution as Needed	Lot	
51			Cable Terminations, Cable Dressing, Labels, Ties, Cable Management as Needed	Lot	
End of System					

Van Buren Township
The Lake House

ADDENDUM 02

Bidding Equipment List

*See 274116 Appendices

ID	Manufacturer	Model	Item / Description	Unit Qty	Bidding Notes*
Number : **118**					
Type : **SY03**					
Name : **Meeting Room**					
Rm Qty : **1**					
Display Devices					
1	Samsung	QM65x	65" Professional LED Edge-Lit Display w/Built-In Speakers, 3840x2160 Native (Latest Model)	1	-
2	Chief	AS3LDP7	Tempo™ Flat Panel Wall Mount System w/ PDU	1	-
Source Devices					
3	Extron	Sharelink Pro 2000 w/ Miracast	4K Wireless Presentation System w/ Miracast & ShareNext - US	1	-
4	Extron	Cable Cubby 202	Cable Enclosure, Flip Top, Basic, (1) AC & Cable Pass Through Bracket	1	-
5	Extron	Cable Enclosure Inserts	Inserts And Blank Plates For Above - Refer To System Diagram For Details	1	-
6	Extron	Cable Enclosure Accessories	Accessories For Above As Required (e.g. Cloaks, Brackets, Etc)	1	-
Video Capture, Streaming and Conferencing					
7	Logitech	Rally Bar	All-In-One Video Bar w/ Camera, Speakers, and Beamforming Microphone	1	D
Signal Processing, Routing, and Distribution					
8	Extron	DTP3 T 321	4K/60 USB-C DTP3 Transmitter with Data and Power Delivery	1	-
9	Extron	DTP3 R 331	DTP3 Receiver for 4K/60 HDMI and USB Data	1	-
10	Extron	UPI 100	100 Watt Power Inserter for Extron USB-C Products	1	-
Control System					
11	Extron	IPCP Pro 255Q xi	IP Link Pro Control Processor, Quad Core, (1) Bidirectional RS-232 Serial Port, (1) Bidirectional RS-232/RS-422/RS-485 Serial port, (1) IR/Serial Port, (4) Digital I/O ports, (2) Relays, Dual NIC	1	-
12	Extron	TLP Pro 1035T	10.1" Tabletop TouchLink Pro Touchpanel (Select Color)	1	D
Rack, Panels, Misc.					
13			Installation Materials as Defined in AV Systems Specification	Lot	
14			Custom Wall/Floor Box and Decorator-Style Plates as Needed	Lot	
15			Pre-Made Loose Cabling and Field Cabling as Needed	Lot	
16			Rack Panels, Vents, Mounts, Shelves, Other Rack Materials as Needed	Lot	
17			Rack ID Panels per Specification, See AV Rack Accessories	Lot	
18			Wall, Ceiling Mounts and Mounting Hardware as Needed	Lot	
19			Control System Accessories as Needed	Lot	
20			Power Supplies and Power Distribution as Needed	Lot	
21			Cable Terminations, Cable Dressing, Labels, Ties, Cable Management as Needed	Lot	
End of System					

Van Buren Township
The Lake House

ADDENDUM 02

Bidding Equipment List

*See 274116 Appendices

ID	Manufacturer	Model	Item / Description	Unit Qty	Bidding Notes*

Number : **N/A**

Type : **SY04**

Name : **Outdoor Sound System**

Rm Qty : **1**

Source Devices					
1	Owner Furnished	DMP	Digital Media Player (OFCI)	1	A
Sound Reinforcement System					
2	Extron	NetPA U 2008 FX	8-Ch, Configurable Output Dante Amp, 200 watts,	1	-
3	QSC	AD-S8T-xx	8" Two-Way Wall-Mounted Speaker w/ 70V/100V Transformer & 8Ohm Bypass, Includes Mounting Hardware.	5	D
4	Contractor Select	Wall Mount	Contractor Selected Wall Mount For Above	5	-
Control System					
5	Extron	TLP Pro 835T	8" Tabletop TouchLink Pro Touchpanel (Select Color)	1	D
Rack, Panels, Misc.					
6			Installation Materials as Defined in AV Systems Specification	Lot	
7			Custom Wall/Floor Box and Decorator-Style Plates as Needed	Lot	
8			Pre-Made Loose Cabling and Field Cabling as Needed	Lot	
9			Rack Panels, Vents, Mounts, Shelves, Other Rack Materials as Needed	Lot	
10			Rack ID Panels per Specification, See AV Rack Accessories	Lot	
11			Wall, Ceiling Mounts and Mounting Hardware as Needed	Lot	
12			Control System Accessories as Needed	Lot	
13			Power Supplies and Power Distribution as Needed	Lot	
14			Cable Terminations, Cable Dressing, Labels, Ties, Cable Management as Needed	Lot	

End of System