

**Douglas County Community & Senior Center  
Climbing Wall Project  
PWP 2019-081**

**ADDENDUM NO. 1**

January 30, 2019

Owner: Douglas County Community and Senior Center  
1329 Waterloo Lane,  
Gardnerville, Nevada 89410  
Scott McCullough  
[smccullough@douglasnv.us](mailto:smccullough@douglasnv.us)

Architect: TSK Architects Architects  
225 S. Arlington Avenue; Suite A  
Reno, Nevada 89501  
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Mark Benzing; LEED AP bd+c  
[mbenzing@tska.com](mailto:mbenzing@tska.com)

To: All Plan Holders of Record

This addendum forms a part of the Contract Documents and modifies the original Construction Documents dated October 19, 2018, Acknowledge receipt of this addendum in writing when your bid is turned in. Failure to acknowledge receipt of addendum may result in disqualification of bidder.

Addendum No. 1 consists of ten (10) items and five (5) attachments.

- ITEM 1.01 Pre Bid Meeting sign-in sheet (non-mandatory) from Pre Bid Meeting held on January 17, 2019 is included
- ITEM 1.02 Load in / out of building material and waste.  
(a) There is an existing 10' wide x 8' high overhead coiling door near the climbing wall area (lower right hand corner of the gym). Contractor is responsible for protecting the gym floor and adjacent finishes from the overhead door to the construction area. Contractor is responsible for repairing any damage caused by construction.
- ITEM 1.03 Contractor to provide ALL materials necessary to implement design.
- ITEM 1.04 Badger Hole.  
a) Climbing wall manufacturer / installer is responsible for providing badger hole.  
b) Contractor shall include a \$2,500 allowance in their base bid for the badger, motion detector and actuator
- ITEM 1.05 Fire Suppression system:  
a) Contractor is responsible for modifying the existing fire suppression system to implement new climbing wall.
- ITEM 1.06 Divider Rail as shown on 1/A1.10 is by owner

- ITEM 1.07      Stainless Steel Bench as shown on 1/A1.10 is by owner
- ITEM 2.08      Specifications:  
 (a) Specification added for fiber reinforced polymer concrete climbing wall.
- ITEM 1.09      Existing Mechanical Supply & Return  
 a) Climbing wall to be designed to not affect two ceiling mounted return grills in the bouldering area (see attached photo and M2.01)  
 b) Climbing arch to be designed to not affect two wall mounted supply diffusers mounted on the vertical wall of the bridge (see attached photo)
- ITEM 1.10      Bridge Structure  
 a) Floor dead load is 58psf and the floor live load is 100psf. Per the IBC, a 5% increase in gravity is allowed without having to analyze structure

Attachments (in order):

- |   |              |
|---|--------------|
| 1. Pre-Bid Meeting Sign-In sheet  | (8 ½" x 11") |
| 2. Photographs showing supply diffuser and return grills                            | (8 ½" x 11") |
| 3. Specification section 13120 (Climbing Walls)                                     | (8 ½" x 11") |
| 4. Sheet A1.10 (Enlarged Floor Plans)   | (24" x 36")  |
| 5. Sheet M2.01 (Mechanical Main Level & Upper Level Demolition and New Floor Plans) | (24" x 36")  |

END OF ADDENDUM NO. 1

# Pre Bid Meeting Sign In Sheet

## Douglas County Community Center Climbing Wall Project

PWP 2019-081

January 17, 2019  
11:00am

Douglas County Senior and Community Center  
1329 Kingsbury Grade  
Gardnerville NV 89410

Name	Email
1. Scott McCullough	smccullough@douglasnv.us
2. Scott Morgan	smorgan@douglasnv.us
3. Brian Fitzgerald	bfitzgerald@douglasnv.us
4. Drew Simerson	drew@simersonusa.com
5. Mark Benzineg	mbenzineg@tska.com
6. Ryan Culp	rculp@epusa.com
7. Bill Cirenza Merit Elec	bcirenza@meritelectaic Reno.com
8.	
9.	
10.	
11.	
12.	
13.	

Return grill in bouldering area



Return grill in bouldering area



Supply diffuser on existing bridge in climbing arch area



SECTION 13120  
CLIMBING WALLS

PART 1 - GENERAL

1.1 SUMMARY

- A. This section includes the following:
  - 1. Custom Climbing Wall
- B. Related Sections
  - 1. Section "Structural Steel"
  - 2. Section "Rough Carpentry"
  - 3. Finishes

1.2 REFERENCES

- A. CWA General Specification for the Design and Engineering of Artificial Climbing Structures, First Edition January, 2009.
- B. International Building Code 2006 Edition or code of local conformance.
- C. Manual of Steel Construction, Allowable Stress Design, 9<sup>th</sup> Edition, AISC

1.3 SYSTEM DESCRIPTION

- A. Sculpted artificial climbing wall designed to look and climb like natural rock. Required system is to be in the upgraded classification of climbing walls and no wood or foam based systems will be accepted. Sculpted artificial climbing wall designed to look and climb like real rock.

1.4 QUALITY ASSURANCE

- A. Climbing wall manufacturer shall be as specified and shall have a minimum of 10 years experience in the manufacturing of artificial climbing walls. No substitutions will be permitted.
- B. Installer shall have a minimum of two years experience with manufacturer's materials or be supervised by manufacturer's representative.
- C. Fabrication shop visit: Notify Architect at on-set of fabrication.
- D. Engineering package must be stamped using an Registered Engineers stamp for the State where the project is located.

1.5 SUBMITTALS

- A. General: Submit the following in accordance with Conditions of the Contract and General Conditions.
- B. Product data including climbing wall manufacturer's specifications, standard details and installation drawings.

- C. Shop drawings indicating layout of climbing wall, dimensions of materials and parts, fastening and anchoring methods, and detail and location of joints.

#### 1.6 BID SUBMITTALS

- A. Submit 1 sample of climbing wall material, minimum 6 inches by 6 inches, showing color and finish.
- B. Submit installed cost and specific climbing wall materials with associated square footages.

#### 1.7 DELIVERY, STORAGE AND HANDLING

- A. Protect products during transit, delivery, storage and handling to prevent damage, soiling and deterioration.
- B. Protect climbing wall finish and edges in accordance with manufacture's recommendations.
- C. Store climbing wall components in accordance with manufacture's recommendations

#### 1.8 WARRANTY

- A. Climbing wall manufacturer shall warrant to the original purchaser for one year from the date of completion that its products are free from defects in materials and workmanship.

#### 1.9 COORDINATION

- A. Coordinate climbing wall finish details and painting before final finishes to climbing wall area have been performed.
- B. The Owner shall have direct contact with the Climbing Wall manufacturer in the design phase of the climbing wall to achieve specific programmatic requirements set forth by the Owner.

#### 1.10 PROJECT CONDITIONS

- A. Climbing wall area shall be supplied with an artificial light source by the General Contractor for duration of climbing wall installation. Lighting shall be of sufficient quantity and brightness to perform detailed work.
- B. General Contractor shall provide multiple temporary power outlets (110V), at various locations around climbing wall area for operation of power tools.

### PART 2 - PRODUCTS

#### 2.1 CLIMBING WALL MANUFACTURERS AND APPROVED SYSTEMS

- A. Entre Prises USA 63085 18<sup>th</sup> St., Suite 101, Bend, Oregon 97701 (541) 388-5463, (541) 388-3248 fax  
Freeform Climbing Wall Systems
- B. Approved Equal

#### 2.2 ARTIFICIAL CLIMBING WALL MATERIAL

- A. Hand sculpted climbing wall system.

1. Climbing wall system shall be made of fiber reinforced polymer concrete using a hand sculpted lay-up process only.
2. Climbing wall system shall be compatible with modular structural support system (2.3C) or a custom pre manufactured steel framework subject to design, site and installation considerations
3. Climbing wall system must be capable of achieving various configurations including overhangs, vertical faces, below vertical slabs, cracks, arêtes, and dihedrals.
4. Climbing wall system shall incorporate the ability to achieve monolithic three-dimensional curvature of the finished surface.
5. Climbing wall system shall provide modular climbing hold attachment locations compatible with 3/8"-16 threaded fasteners for surface mount, 1 per sq. ft.
6. Thickness approx. 5/8"

C. Integrated Primary Support structure

1. The support structure shall be capable of transferring all applied design loads back to the primary vertical support structure that lie parallel to the projected plane of the climbing surface.
2. Major components of the modular support structure are as follows:
  - a. Pinch pipe members shall be fabricated from steel pipe, ASTM A53 Grade A, with both ends press formed.
  - b. Corner hardware shall be fabricated from steel. Corner hardware shall be attached to the climbing wall panels on the panel corner.
  - c. Pinch pipe to channel rail connections shall be connected with angle clips fabricated from 2-1/2"angle steel ASTM A36.
3. Major components of the Custom support structure are as follows:
  - a. Pre manufactured angle steel, typically 2"-1/2"x3/16" to 3"x1/4" ASTM A36.
  - b. Corner hardware shall be fabricated from steel. Corner hardware shall be attached to the climbing wall panels on the panel corner.

D. Climbing Wall Painting-By approved wall artist.

## 2.3 CLIMBING WALL FABRICATION

A. Composition

1. Polymer cement

B. Resins: Iso polyester resins / UV stabilized.

C. Aggregate:

1. Natural washed sands
2. Colored sands
3. Expanded silicates
4. Other fillers

D. Reinforcing:

1. 2 layers minimum of mat fiberglass.

E. Average weight = 5.8-9 lbs./sq. ft.

F. Projected Hand Sculpted panel size: As required based on design.

## PRIMARY SUPPORT STRUCTURE FABRICATION

- A. All structural steel for climbing wall is the responsibility of the climbing wall manufacturer.

- B. Dimensions: Dimensions given in Drawings are final fabricated dimensions. Climbing Wall manufacturer is responsible for allowances to member lengths to obtain these final dimensions. Dimensions tolerances for centerline of strut to strut are critical. Tolerances for member shall not exceed 1/2".
- C. Quality Control:
  - 1. General: The climbing wall manufacturer shall provide quality control procedures to the extent that he deems necessary to assure that all work is performed in accordance with Division 5, this Specification and Drawings. In addition to the climbing wall manufacturer's quality control procedures, material and workmanship at all times may be subject to inspection by design engineers.
  - 2. Rejections: Material or workmanship not in reasonable conformance with the provisions of this Specification may be rejected at any time during the progress of work.

### 1.5 FASTENERS

- A. Concealed; shall be 1/2" -13, Grade 5 hex head bolts with 1/2" flat washers under head and hardened, Grade C locknuts.
- B. Climbing Protection/Anchors:
  - 1. Lead Bolts:
    - a. U.I.A.A. approved bolt hangers shall be attached through the wall surface and affixed directly to the structural steel frame, 1/2" HHCS, Grade 5.
    - b. The 1/2" HHCS shall be of sufficient length to extend through the wall surface and through a backup locknut behind the steel structure.
- C. Climbing Equipment(supplied by Climbing Wall Manufacturer):

## PART 3 - EXECUTION

### 1.1 PRE-INSTALLATION INSPECTION-OPTIONAL

- A. Verify that all surfaces are ready to receive work and are within specified tolerances.
- B. Beginning of installation means installer accepts conditions of existing surfaces.
- C. Verify that layout of the materials or equipment will not interfere with installed climbing wall.

### 1.2 INSTALLATION

- A. Erection of the climbing wall system shall be in accordance with manufacturer's recommendations.
- B. Erection shall be accomplished by a fully trained, factory authorized erector in accordance with Section 1.4.
- C. Complete wall shall comply with specified tolerances and shop drawing requirements.

### 3.4 CLEAN-UP

- A. Clean area of debris from installation of climbing panels.

### 3.5 INSPECTION

- A. The completed climbing wall shall undergo a full complete final inspection by a duly trained representative of the manufacturer and shall be certified by the manufacturer that the finish product has been manufactured and erected in accordance with the manufacturer's approved installation drawings and these contract documents.
- B. The completed climbing wall shall undergo a full and complete final inspection by the Owner or Owners representative at the completion of climbing wall installation.

1.6 PROTECTION

- A. Protect climbing wall from damage during erection.
- B. General Contractor to provide final protection in a manner acceptable to the Owner or Owners representative that insures the climbing wall will be without damage or deterioration at time of substantial completion.



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Consultant

PLEASE RECYCLE

Project

**Douglas County Community Center | Climbing Wall**  
 1329 Waterloo Lane,  
 Gardnerville, NV 89410

Job No: 12-043

Owner

**Douglas County Community Center**

### BID SET

REVISIONS		
REV	DATE	DESCRIPTION
1	01.30.19	Addendum #1

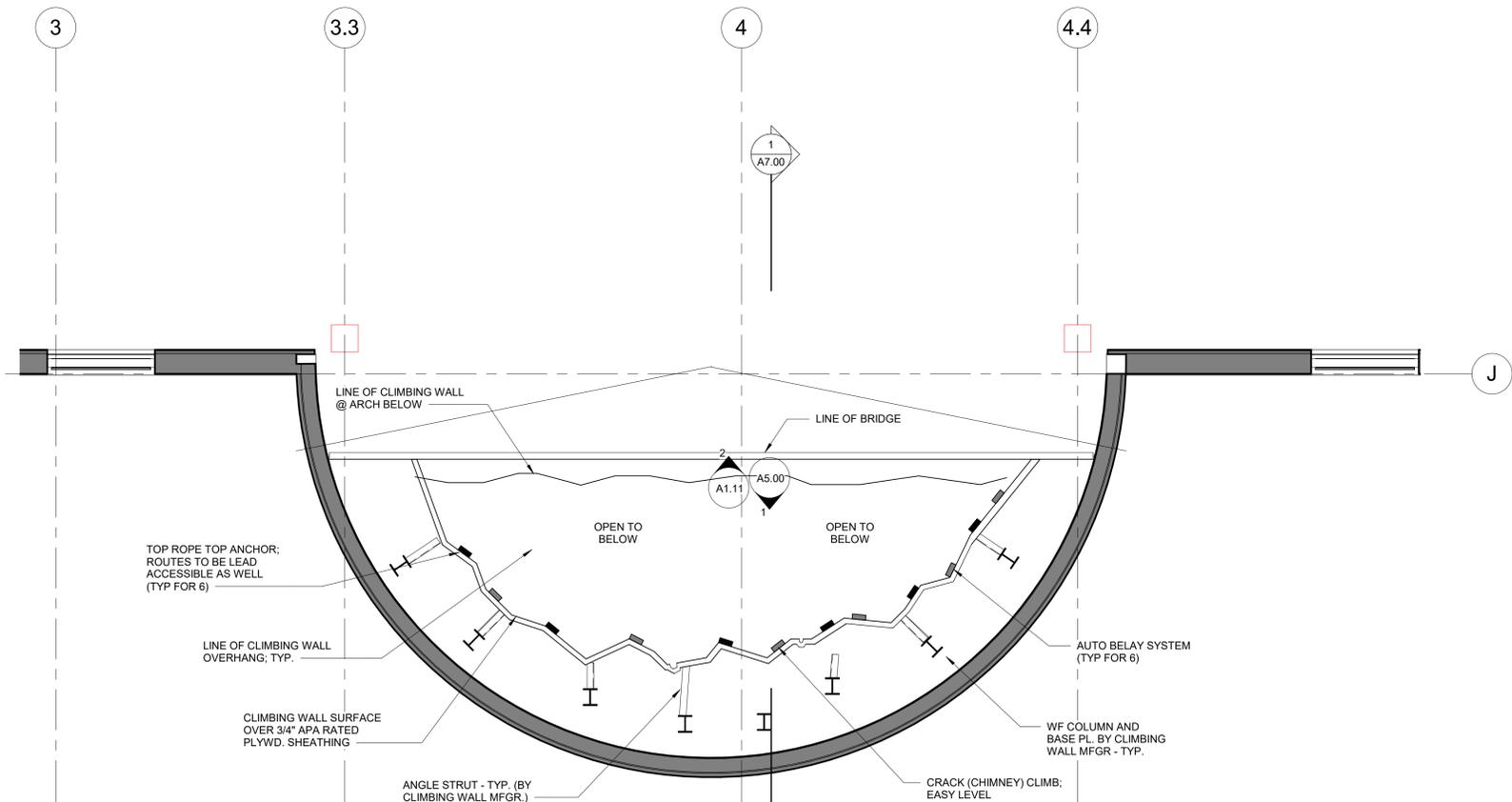
Sheet Title

## ENLARGED FLOOR PLANS

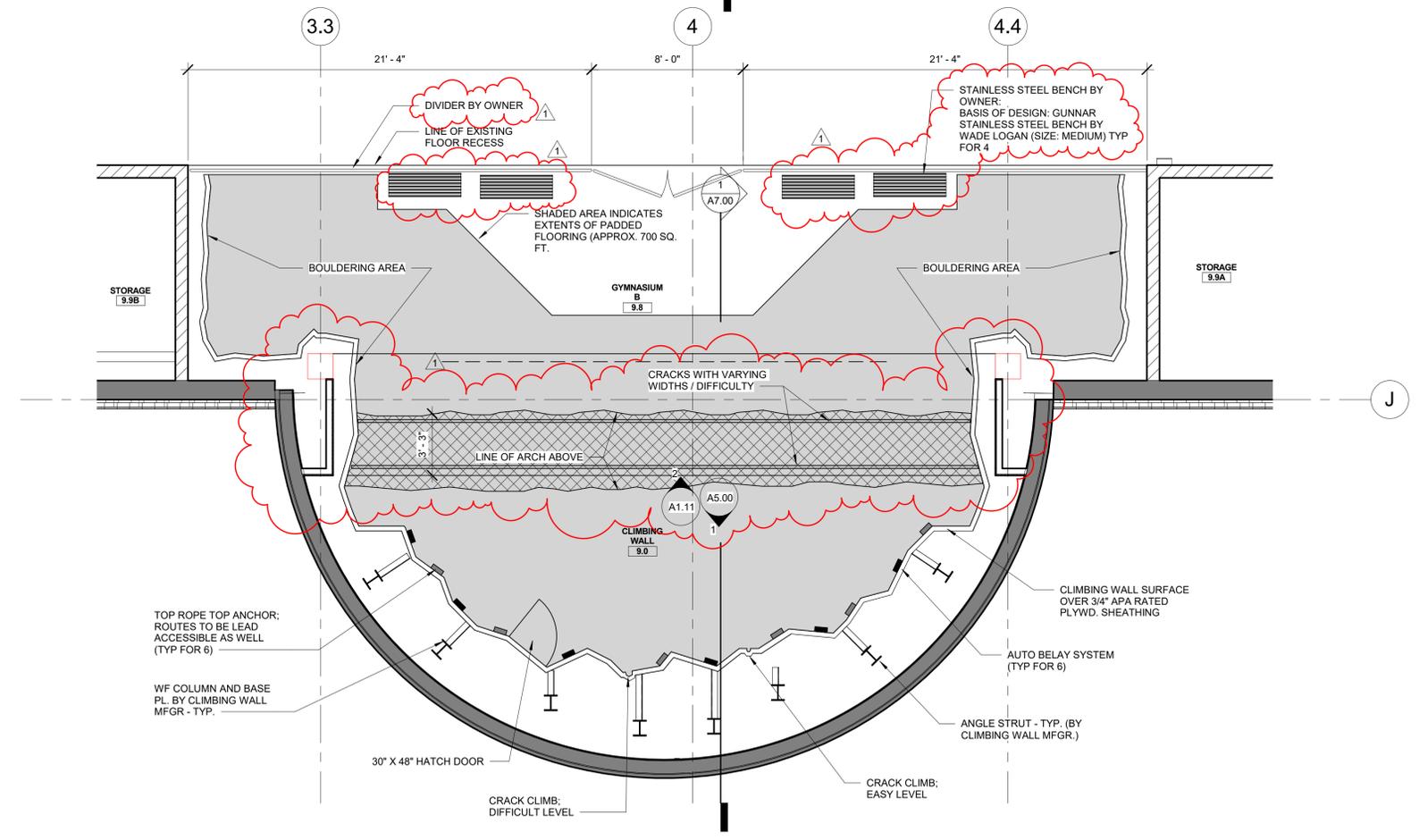
Date: October 19, 2018

Sheet No:

# A1.10

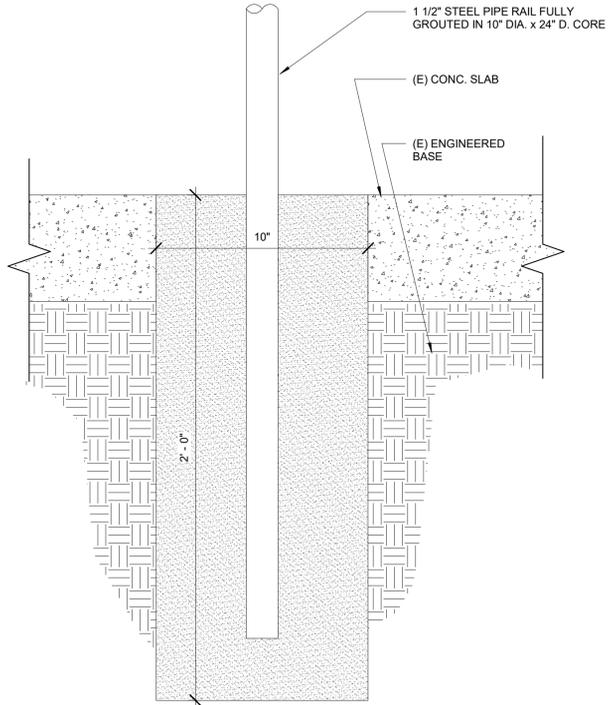


**2 ENLARGED SECOND FLOOR PLAN**  
 SCALE: 1/4" = 1'-0"

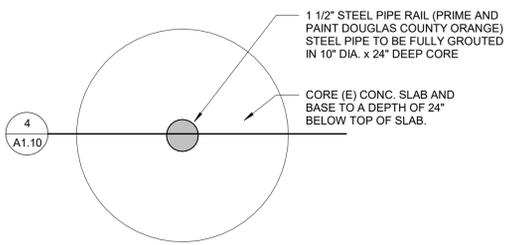


**1 ENLARGED MAIN LEVEL FLOOR PLAN**  
 SCALE: 1/4" = 1'-0"

NOTE: CLIMBING WALL DESIGNER TO MAINTAIN TYP. SAFETY DISTANCE.



**4 PIPE RAIL SECTION (BY OWNER)**  
 SCALE: 3" = 1'-0"



**3 PIPE RAIL - PLAN VIEW (BY OWNER)**  
 SCALE: 3" = 1'-0"



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Consultant



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 PROJECT NO: 119918

PLEASE RECYCLE

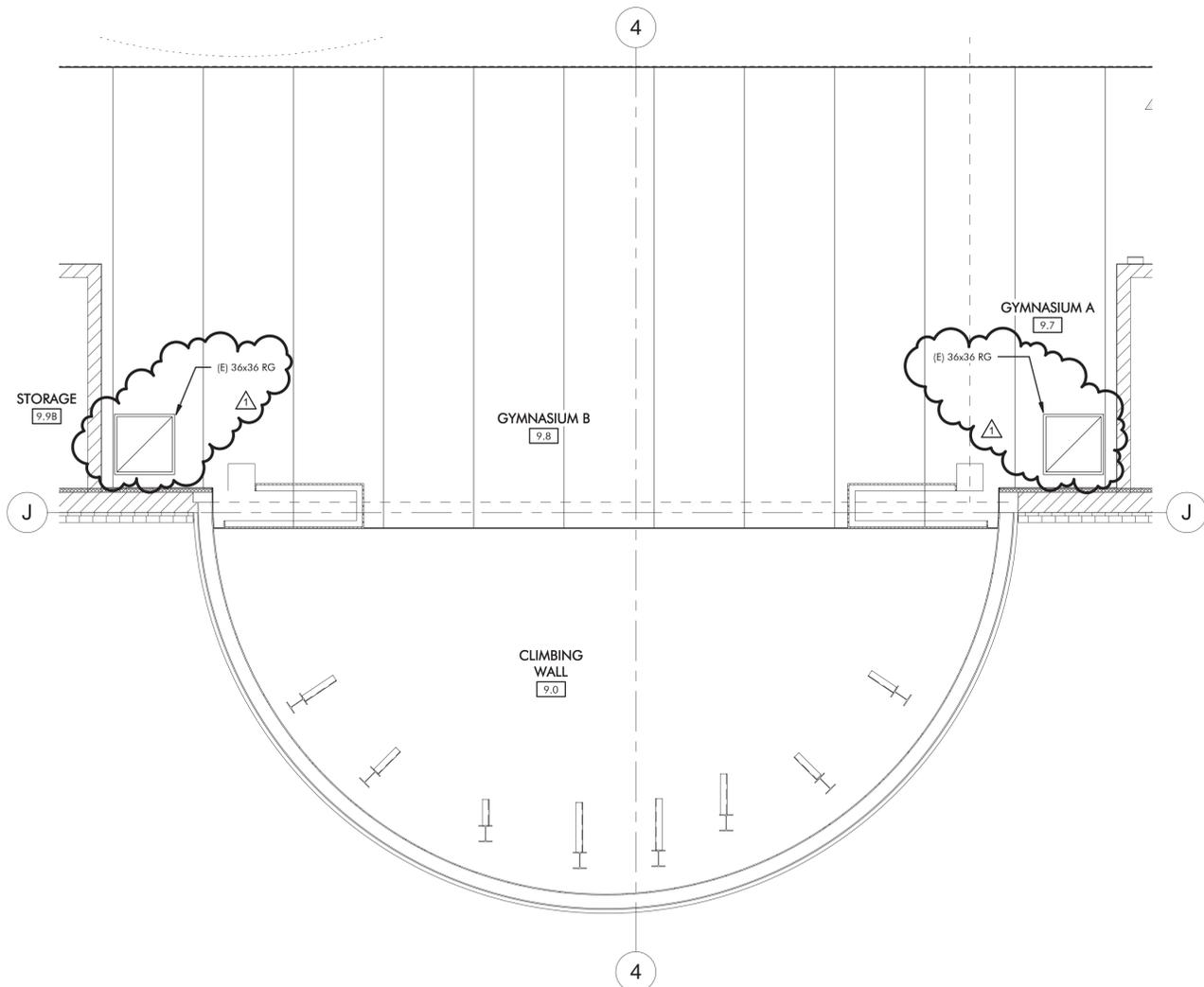
Project

**Douglas County  
 Community Center  
 Rock Climbing Wall**  
 1329 Waterloo Lane,  
 Gardenville, NV 89410

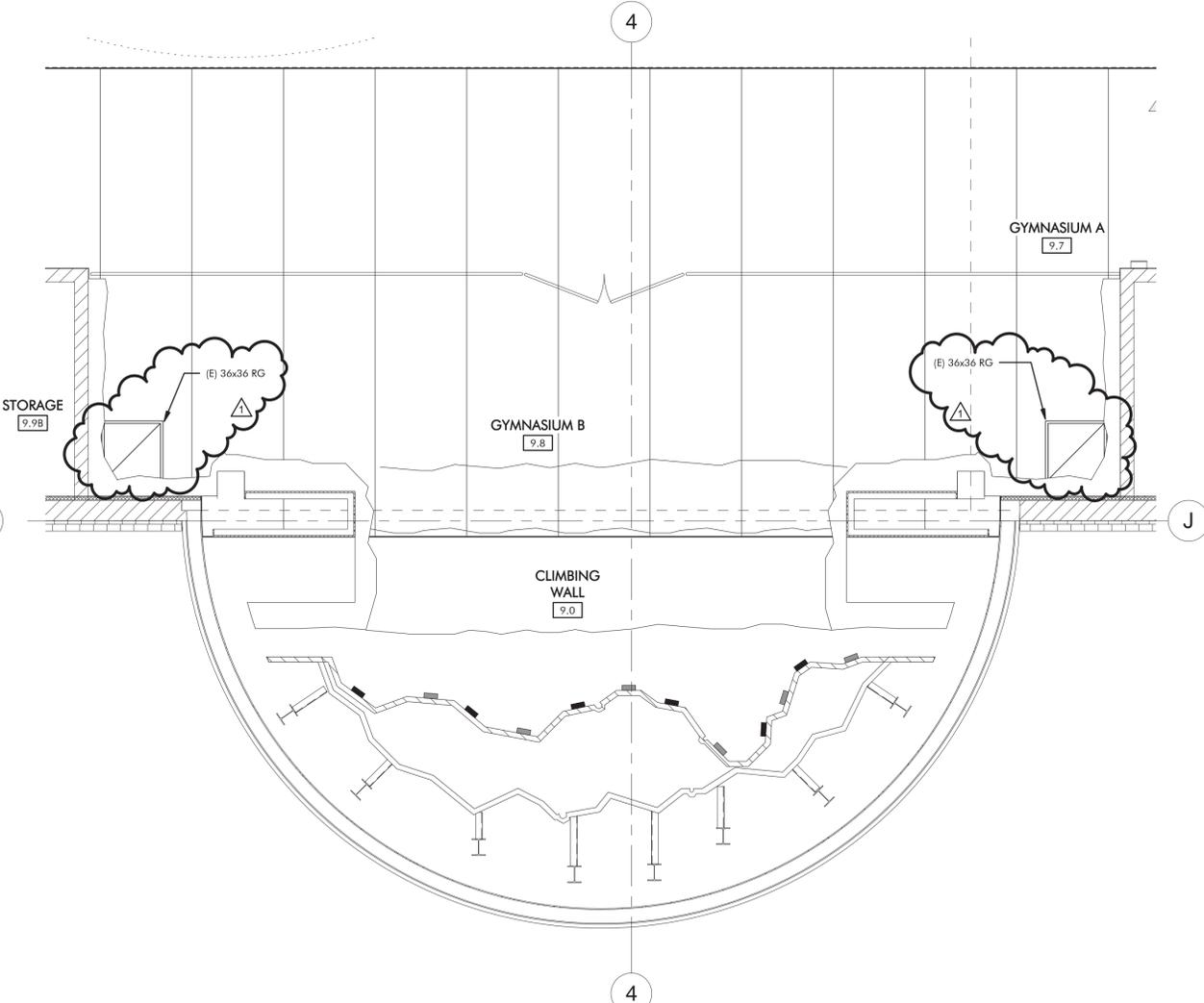
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Owner

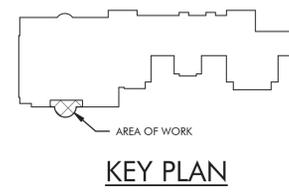
**Douglas County**



**A ENLARGED DEMOLITION MAIN LEVEL FLOOR PLAN**  
 M2.01 SCALE: 1/4" = 1'-0"



**B ENLARGED MAIN LEVEL FLOOR PLAN**  
 M2.01 SCALE: 1/4" = 1'-0"



**KEY PLAN**

BID ISSUE

REVISIONS		
REV	DATE	DESCRIPTION
1	1/30/19	ADDENDUM 1

Sheet Title  
**MECHANICAL MAIN  
 LEVEL & UPPER LEVEL  
 DEMOLITION AND NEW  
 FLOOR PLANS**

Date: 10/19/2018  
 Sheet No:

**M2.01**