GENERAL NOTES:

1. All work must comply with state and local codes, based on the 2018 ICC International Building Code (IBC). The Contractor shall comply with all laws, ordinances, rules and regulations of any public authority bearing on the performance of the work, including OSHA. All applicable codes include:
   - 2018 IBC Building Code
   - 2020 NEC Electrical Code
   - 2018 IPC, IECC, and IFC Codes
   - 2017 Accessible & Useable Building & Facilities
   - Colorado Department of Education Applicable Codes
2. Location of the all site utilites shall be verified and located in the field before construction begins.
3. All on-site construction safety and construction means and methods are the responsibility of the Contractor. There is no implication of the construction safety requirements or building methods contained in these documents.
4. Do not scale the drawings. Contact the Architect in the event additional dimensional information is needed.
5. All interior and exterior dimensions are to face of stud, face of masonry, or face of concrete, U.O.N.
6. Actual site conditions may vary. The scope of sitework may require different methods of processes compared to what is shown in the drawings. Prior to construction, the Contractor shall verify all dimensions and existing conditions. Verify changes with the Architect or the Engineer.
7. If any discrepancies arise in these documents, the Contractor must notify the Architect and the Engineer immediately.
8. Any variation which requires a physical change from these plans must be brought to the attention of the Architect and the Engineer in order to maintain the design intent of the project.
9. All work connected with this project by any trade involved shall be of the highest quality attainable in accordance with the professional practice of the trade.
10. All drawings including but not excluding all sketches, schematic drawings, permit submission drawings, contract documents, and this set included are the property of **Urban|Rural Design, Inc**. No reproduction, scanning, copying, selling, and/or use of construction, for other than the project location listed, for this document is allowed without the consent of urban|rural design, inc.

PROPERTY INFORMATION

LANDS IN 6-84 TR OF LAND EAST OF RCR
36 IN SE4NW4NW4, SW4NE4NW4,
E2SW4NW4, W2SE4NW4, NE4NW4SW4,
NW4NE4SW4 SEC 9-6-84 (HDR#2014-052, #755408)
TOTAL: 39.31AC

Account Number: R8164993
Parcel ID: 936092003
Owner Name: STEAMBOAT SPRINGS SCHOOL DISTRICT RE 2
Owner Mailing Address: P O BOX 774368 ,
STEAMBOAT SPRINGS, CO 80477-4368

Legal Description: LANDS IN 6-84 TR OF LAND EAST OF RCR
36 IN SE4NW4NW4, SW4NE4NW4,
E2SW4NW4, W2SE4NW4, NE4NW4SW4,
NW4NE4SW4 SEC 9-6-84 (HDR#2014-052, #755408)
TOTAL: 39.31AC

Physical Address: 39610 AMETHYST DR

Property Use: School - Public

Block:
Lot:
Section 9 , Township 6 Range 84
Square Feet: 163,215
Total Acres: 36.31
Subdivision:
Residential or Commercial
Building Count: 2

Zoning: AF
School District: RE2
Shape Area: 40.47 Acres

PROJECT INFORMATION

TOILET FACILITIES:
Access provided to toilet facilities inside the Strawberry Park Elementary School during performances. Piknik Theater's Design Team will work with the Steamboat Springs School District to create wayfinding to the toilet facilities.
WATER:
No irrigation system or water supply delivered to this facility.
ELECTRICAL:
This facility is a non-amplified, acoustically reflective performance amphitheater. No power required for performances. No power is being distributed to the facility.

LIGHTING & PHOTOVOLTAIC ROOFING SYSTEM REMOVED FROM PROJECT

ENCLOSED SPACES:
There are no enclosed or conditioned spaces at this facility. This facility is only being used during the summer months.
SNOW STORAGE:
This is a summer-only faciltity, so there will be not snow removal from the grounds or the roof of the amphitheater.
PARKING:
As agreed with the School District, parking will be provided by the existing parking lot as performance times will be 1) mostly during non-school season days, and 2) will be after hours start times after 5:00pm.
LANDSCAPING:
Repair construction area with native grasses that currently exist on site. Minimal new landscape plantings as this facility will not have a water supply or irrigation system. Switchgrass plantings along edges exposed on north and south edges as shown on the Site Plan.
FACILITY TITLE:
Future name TBD, to be named after a party donating to the construction costs.

PIKNIK THEATER AMPHITHEATER

REVIEWED FOR CODE COMPLIANCE
07/30/2024

BUILDING CODE ANALYSIS

ITEM	DESCRIPTION	CODE CHAP./SEC./TBL	DISCUSSION		
	JURISDICTION:	STEAMBOAT SPRINGS			
	PROJECT LOCATION:				
1	BUILDING DESCRIPTION	OUTDOOR AMPHITHEATER			
2	APPLICABLE CODES:	2018 IBC			
3	OCCUPANCY USE GROUP:	303.6	A-5		
4	ALLOWABLE FLOOR AREA:	506.2	FROM TABLE	5B CONST, NON SPRINKLED; UNLIMITED	
5	ACTUAL FLOOR AREA			15,000SF - FIRST FLOOR	
6	ALLOWABLE BUILDING HEIGHT	504.3	FROM TABLE	40 FT	
7	SEPARATION	508.4	NR		
8	CONSTRUCTION TYPE - FIRE RESISTIVE REQUIREMENTS:	601	FIRE RESISTIVE REQUIREMENTS, (IN HOURS),	TYPE 5B	
			A. BEARING WALLS-EXTERIOR	0 HOUR N/C	NA
			B. BEARING WALLS-INTERIOR	0 HOUR	NA
			C. NONBEARING WALLS-EXTERIOR	0 HOUR N/C	APPLICABLE
			D. STRUCTURAL FRAME	0 HOUR	APPLICABLE
			E. PARTITIONS-PERMANENT	0 HOUR	APPLICABLE
			F. SHAFT ENCLOSURES	1 HOUR	APPLICABLE
			G. FLOORS AND FLOOR-CEILINGS	0 HOUR N/C	APPLICABLE
			H. ROOFS AND ROOF-CEILINGS	0 HOUR N/C	APPLICABLE
		708.5	I. EXTERIOR DOORS AND WINDOWS	NOT PROTECTED >10	NA
			J. STAIRWAY CONSTRUCTION	NC	
		706.4	K. FIRE WALL	3 HOUR	NA
9	LENGTH OF TRAVEL:	1017.2	200 FT. MAX. ALLOWED		
10	OCCUPANT LOAD FOR EXIT:	1004.1.2	BENCH SEATING	102 @ 24" SPACING	
			PROMENADE ((ADA, CAMP CHAIR ROW)	20	
			PICNIC LAWN	67 (10SF/PERSON)	
			TOTAL AUDIENCE SEATING	**189**	
			STAGE AREA	~~52~~ 49 (15SF/PERSON)	
11	ACTUAL WIDTH OF EGRESS:	1005	44" MIN	1 @ 72"	
		1026.4.1	44" MIN	1 AREA OF REFUGE (300SF; 100X3)	
		1011.2	44" MIN	~~1 STAIR~~ 2 STAIRS	
12	REQUIRED EXITS:	1006.3.1	1-500	2, 3 PROVIDED	
13	REQUIRED WIDTH OF EGRESS:	1005		44" CLEAR	
14	AUTOMATIC FIRE SUPPRESSION SYST'M	904	NO		
15	FIRE EXTINGUISHER		AS DIRECTED BY FIRE MARSHALL.		

Gross Stage Area:	872 sf
Stair Area:	(41 sf)
Reflectors A Area:	(30 sf)
Backstage Wall Area:	(23 sf)
Net Stage Area:	778 sf
Total Occ. (15 sf/occ):	52 occ

NOTATION:
1. ACCESS PROVIDED T0 T0ILET FACILITES INSIDE THE STRAWBERRY PARK ELEMENTARY SCHOOL DURING PREFORMANCES.
2. PARKING WILL BE PROVIDED AT THE EXISTING PARKING LOT. PREFORMANCE TIMES WILL BE AFTER 5:00 PM OR DURING NON-SCHOOL SEASON DAYS.
3. 5 WHEELCHAIR SPACES PROVIDED PER 1108.2.2.1

DRAWING LIST

ARCHITECTURAL DRAWINGS

A0.0	COVER SHEET & PROJECT INFORMATION
A1.0	PLOT PLAN
A1.1	PROJECT AREA SITE PLAN
A2.0	AMPHITHEATER PLAN, EVACUATION PLAN, AND SUBSURFACE DRAINAGE PLAN
A2.1	ROOF PLAN AND VARIOUS PLAN DETAILS
A3.0	BUILDING ELEVATIONS
A4.0	BUILDING SECTIONS AND DETAILS
A4.1	ACOUSTIC REFLECTOR DETAILS

STRUCTURAL DRAWINGS

S0	PROJECT INFORMATION AND GENERAL NOTES
S1	FOUNDATION AND STAGE FLOOR FRAMING PLAN
S2	ROOF FRAMING PLAN
D1	FOUNDATION DETAILS
D2	DETAILS
D2/2	DETAILS

PROJECT INTENTION & DESCRIPTION

PIKNIK THEATER'S NEW AMPHITHEATER IS DESIGNED TO PROVIDE THE LOCAL COMMUNITY WITH AN OUTDOOR PERFORMANCE VENUE THAT IS SUSTAINABLY BUILT AND OFF THE ELECTRICAL GRID. THE KEY DESIGN FEATURE OF THIS FACILITY IS A NON-AMPLIFIED APPROACH TO SOUND. PERFORMERS VOICES REACH ALL OF THE AUDIENCE MEMBERS VIA ACOUSTIC REFLECTOR SURFACES, INCLUDING THE PAVILION UNDERBELLY (REFLECTOR CEILING), THE UPSTAGE WALL, REFLECTORS A, REFLECTORS B, AND IN A FUTURE PHASE, REFLECTORS C. THE DESIGN OF THESE REFLECTORS PROJECTS SOUND TO THE AUDIENCE, BUT THE SOUND REFLECTION SHOULD NOT REACH OUT FURTHER INTO THE VALLEY.

OPEN TO THE PUBLIC UNDER STEAMBOAT SPRINGS SCHOOL DISTRICT DISCRETION, THERE ARE OPPORTUNITIES FOR OTHER COMMUNITY USE, FOR INSTANCE: ACOUSTIC MUSIC PERFORMANCES (NO AMPLIFICATION), LECTURES, SSPD STUDENT GATHERINGS/CLASSES, AND MEETINGS.

PIKNIK THEATER IS A NON-PROFIT 501(C)3 ORGANIZATION AND IS PROVIDING ALL OF THE FUNDING FOR THE PROJECT.

STATE OF COLORADO
KAYLE MERL HAWORTH
#303426
07.23.24
LICENSED ARCHITECT

PROJECT TEAM

PROJECT DIRECTOR/CREATOR:
Piknik Theater
39620 Amethyst Dr
Steamboat Springs, CO 80487
Contact: Stuart Handloff
(970) 355-9403

PROPERTY OWNER:
Steamboat Springs School District RE-2
Contact: Pascal Gemini
(970) 871-3188

ARCHITECT/DESIGNER:
Urban Rural Design, Inc.
316 Willlow Street
Fort Collins, CO 80524
Contact: Brian Majeski
Merl Haworth
(970) 889-4004

ARCHITECTURAL ACOUSTICS:
Kirkegaard Design & Consulting
320 W. Ohio Street, Suite 3W
Chicago, IL 60654
Contact: Joseph Myers
(312) 441-1980

STRUCTURAL ENGINEERING:
CTL Thompson, Inc.
400 Link Lane
Fort Collins, CO 80524
Contact: Devin Hougard, PE
(970)416-6224

LANDSCAPE ARCHITECT:
BHA Design Inc.
111 S. Meldrum Street, Suite 110
Fort Collins, CO 80521
Contact: Roger B. Sherman
(970) 305-5807

GENERAL CONTRACTOR:
Makeover Colorado
PO Box 775981
Steamboat Springs CO 80477
Mobile: 970-896-6684
Contact: Avery Dickens
avery@makeovercolorado.com
Makeovercolorado.com

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316 Willow Street
Fort Collins, Colorado
970.889.4004
www.urbanruralarch.com

CONSULTANTS:

KIRKEGAARD
Architectural Acoustics
Integrated Systems
DESIGN & CONSULTING

bha

CTL|THOMPSON
Founded in 1971

PIKNIK AMPHITHEATER
PIKNIK THEATRE
Steamboat Springs School District RE-2
39610 Amethyst Drive
Steamboat Springs, Colorado

No.	Description	Date
1	Revision 1	Date 1
3	Building Permit Submission Set	6.2.23
4	RFP Bid Set	9.7.23
F	2024 Building Permit Set	7.24.24

PROJECT INFORMATION

Project number	UR-21-10
Date	JUNE 2, 2023
Drawn by	bam
Checked by	mh

A0.0

Scale

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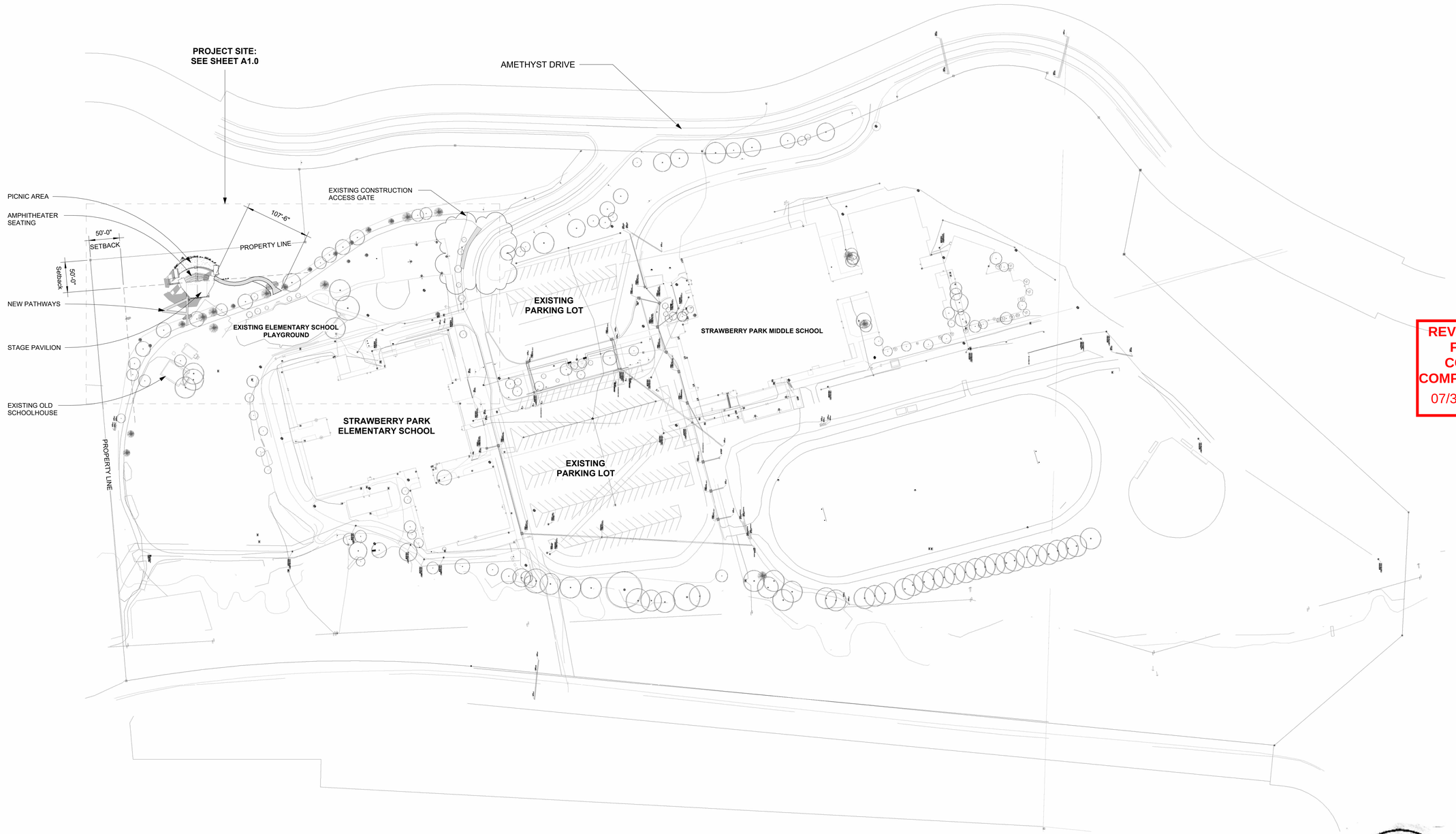

REVIEWED FOR CODE COMPLIANCE
07/30/2024

Piknik Theater Amphitheater

PIKNIK THEATRE

Steamboat Springs, Colorado

No.	Description	Date
1	Revision 1	Date 1
2	Planning & SSSD Review	5.10.23
3	Building Permit Submission Set	6.2.23
4	RFP Proposal Set	9.7.23
F	Final Permit Submission	7.24.24

PLOT PLAN

② PLOT PLAN
1" = 80'-0"

TOPOGRAPHIC AT 1' INTERVALS

NORTH

STATE OF COLORADO
KAYLE MERL HAWORTH
#303426
LICENSED ARCHITECT

Project number	UR-21-10
Date	July 24, 2024
Drawn by	BAM
Checked by	MH

A1.0

Scale 1" = 80'-0"

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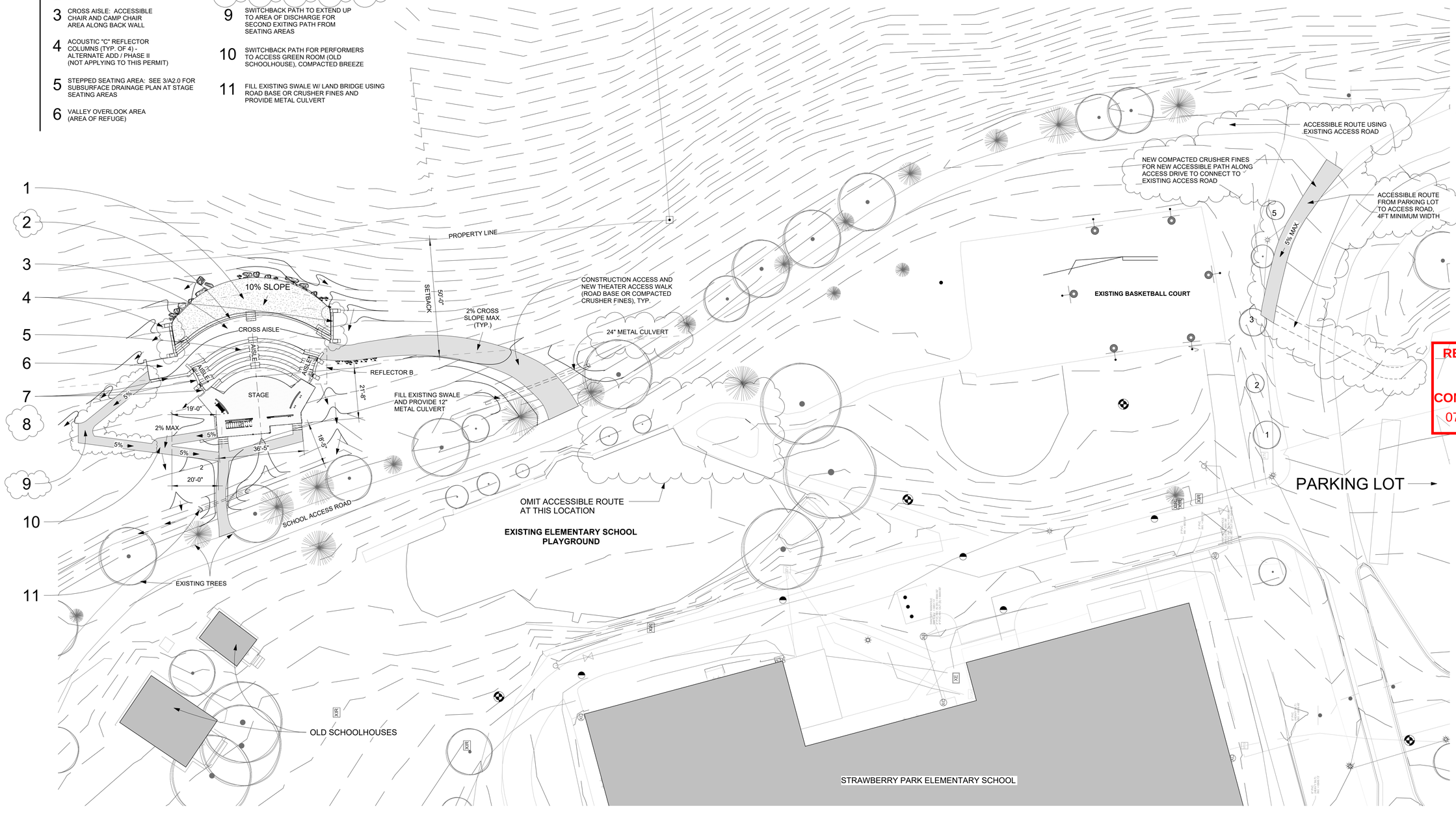
SITE PLAN NOTES

1. SLOPED PICNIC AREA W/ GRADE (1:12) W/ SYNTHETIC TURF BY "PLAYGROUND GRASS", COLOR: GOLD
2. SHORT RIP RAP RETAINING WALL - SEE ARCHITECTURALS
3. CROSS AISLE: ACCESSIBLE CHAIR AND CAMP CHAIR AREA ALONG BACK WALL
4. ACOUSTIC "C" REFLECTOR COLUMNS (TYP. OF 4) - ALTERNATE ADD / PHASE II (NOT APPLYING TO THIS PERMIT)
5. STEPPED SEATING AREA: SEE 3/A2.0 FOR SUBSURFACE DRAINAGE PLAN AT STAGE SEATING AREAS
6. VALLEY OVERLOOK AREA (AREA OF REFUGE)
7. 12" RIP RAP STONE RETAINING WALLS
8. REMOVE NOTE FOR SOLAR BATTERY SYSTEM
9. SWITCHBACK PATH TO EXTEND UP TO AREA OF DISCHARGE FOR SECOND EXITING PATH FROM SEATING AREAS
10. SWITCHBACK PATH FOR PERFORMERS TO ACCESS GREEN ROOM (OLD SCHOOLHOUSE), COMPACTED BREEZE
11. FILL EXISTING SWALE W/ LAND BRIDGE USING ROAD BASE OR CRUSHER FINES AND PROVIDE METAL CULVERT



NORTH

1 SITE PLAN
1" = 20'-0"

NORTH

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Piknik Theater Amphitheater

PIKNIK THEATRE

Steamboat Springs, Colorado

No.	Description	Date
1	Revision 1	Date 1
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F	Final Permit Submission	7.24.24

PROJECT AREA SITE PLAN

Project number	UR-21-10
Date	July 24, 2024
Drawn by	bam
Checked by	mh

A1.1

Scale 1" = 20'-0"

STATE OF COLORADO
KAYLE MERL HAWORTH
#303426
07.24
LICENSED ARCHITECT

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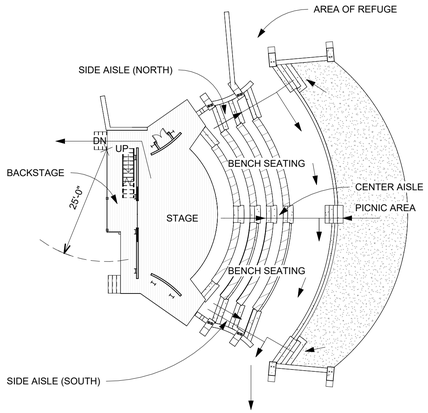
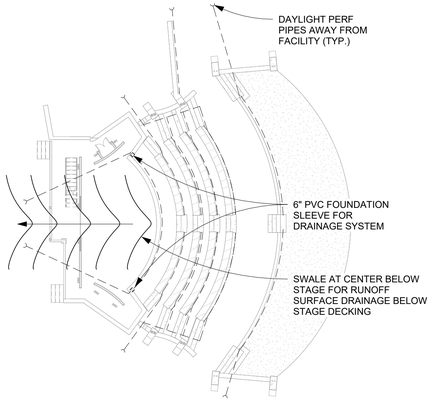
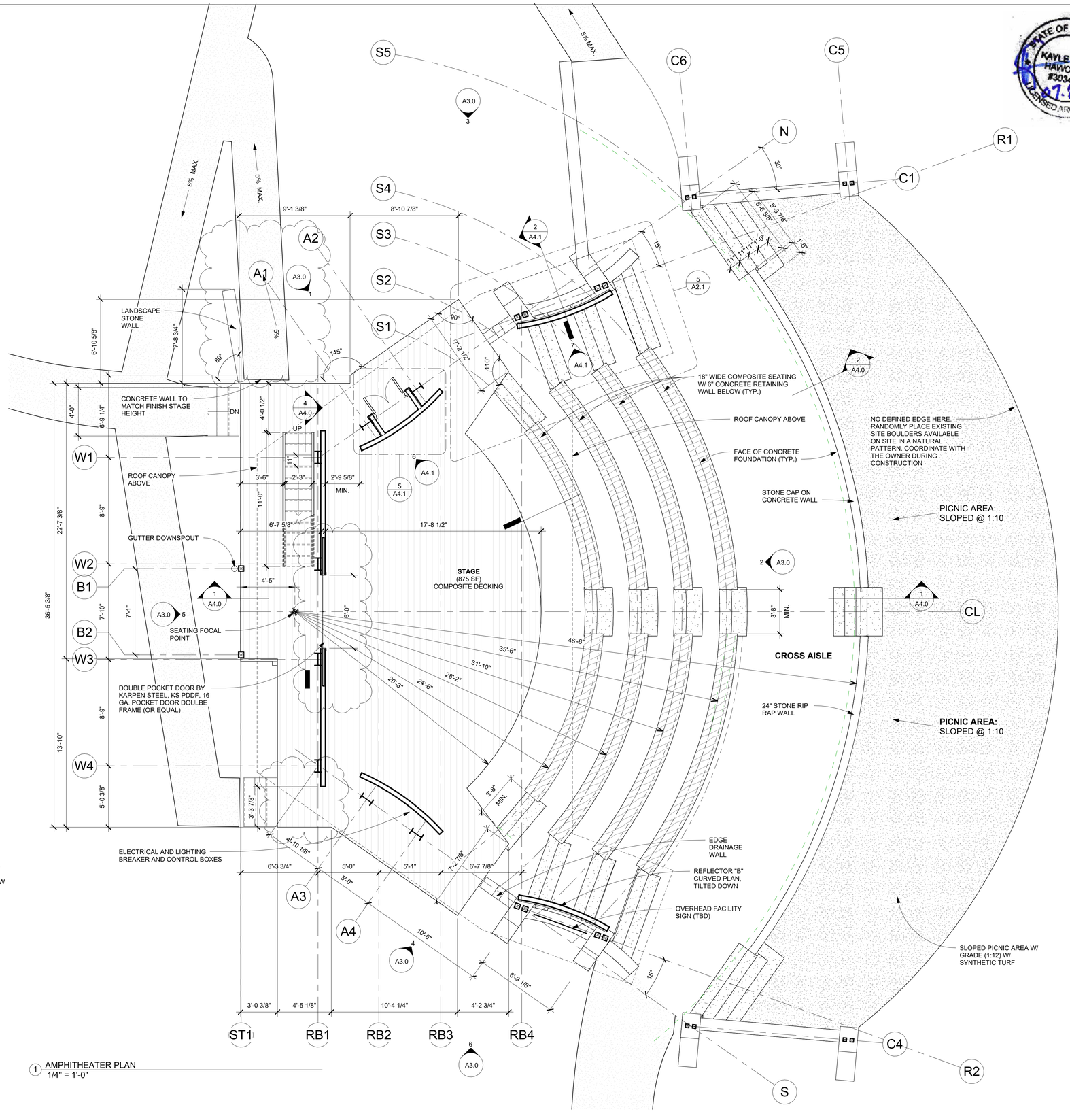


2 EVACUATION PLAN
1/16" = 1'-0"



3 SUBSURFACE DRAINAGE PLAN
1/16" = 1'-0"



1 AMPHITHEATER PLAN
1/4" = 1'-0"

STATE OF COLORADO
KAYLE MERL HAWORTH
#303426
LICENSED ARCHITECT
07.23.24

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PIKNIK AMPHITHEATER

PIKNIK THEATRE

Steamboat Springs School District RE-2
39610 Amethyst Drive
Steamboat Springs, Colorado

No.	Description	Date
1	Revision 1	Date 1
3	Building Permit Submission Set	6.2.23
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AMPHITHEATER PLAN, EVACUATION PLAN, & SUBSURFACE DRAINAGE PLAN

Project number	UR-21-10
Date	JUNE 2, 2023
Drawn by	bam
Checked by	mh

A2.0

Scale: As indicated

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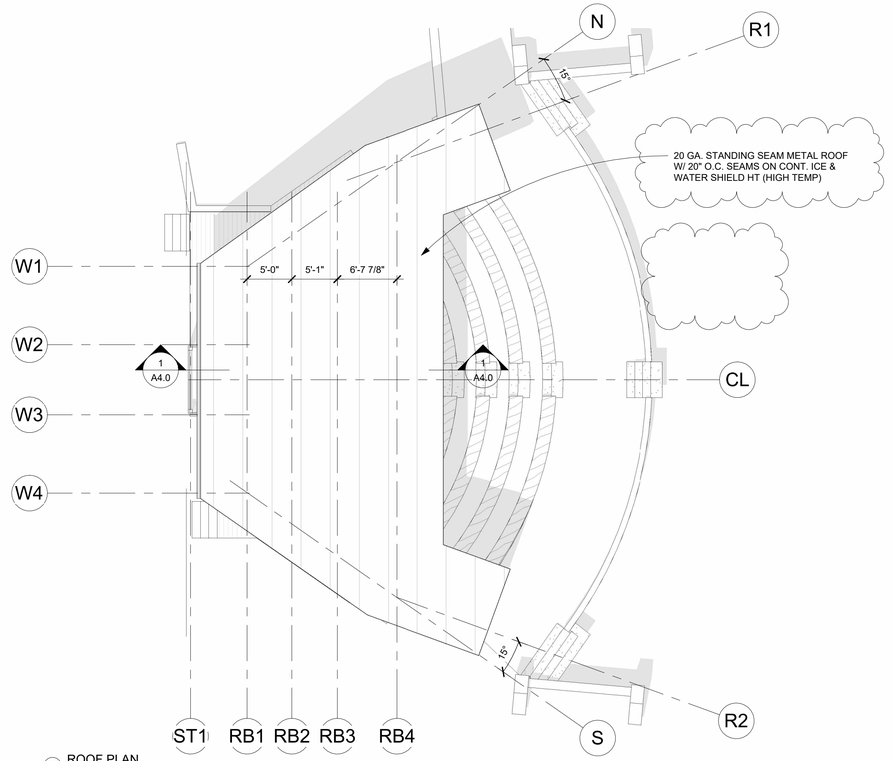
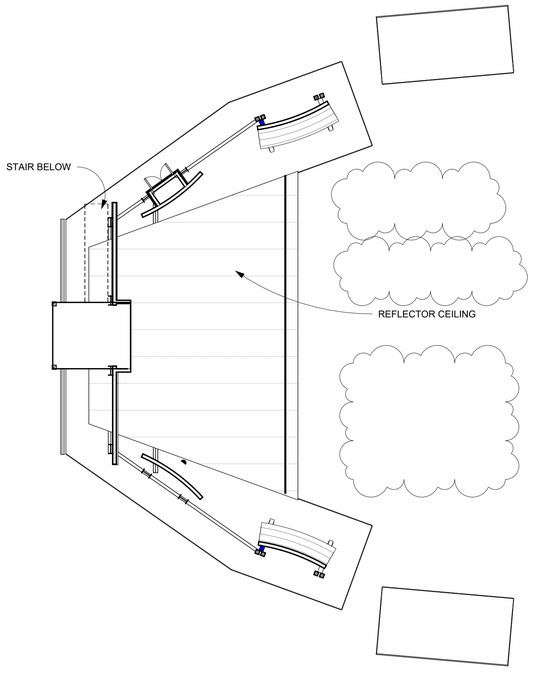
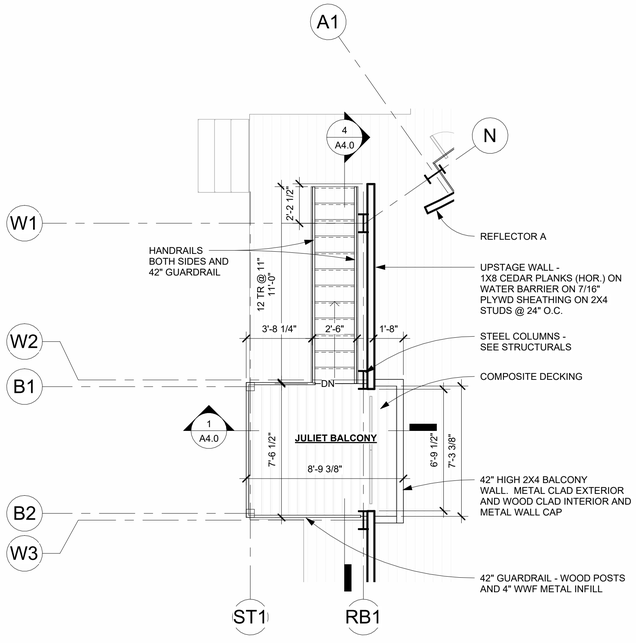
POWER PLAN REMOVED



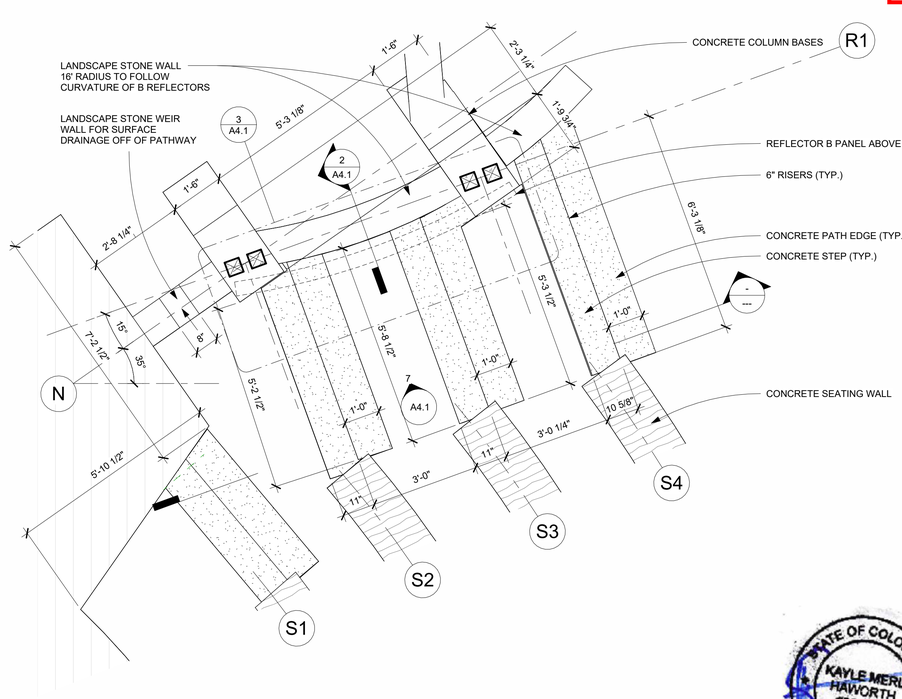
1 ROOF PLAN
1/8" = 1'-0"



3 STAGE CANOPY LIGHTING PLAN
1/8" = 1'-0"



2 Juliet Balcony Floor
1/4" = 1'-0"



5 PLAN - SIDE AISLE NORTH
1/2" = 1'-0"

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ROOF PLAN AND VARIOUS PLAN DETAILS

STATE OF COLORADO
KAYLE MERL HAWORTH
#303426
LICENSED ARCHITECT
07.23.24

Project number	UR-21-10
Date	JUNE 2, 2023
Drawn by	bam
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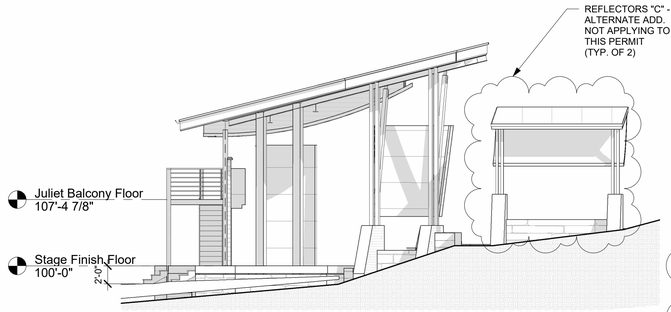
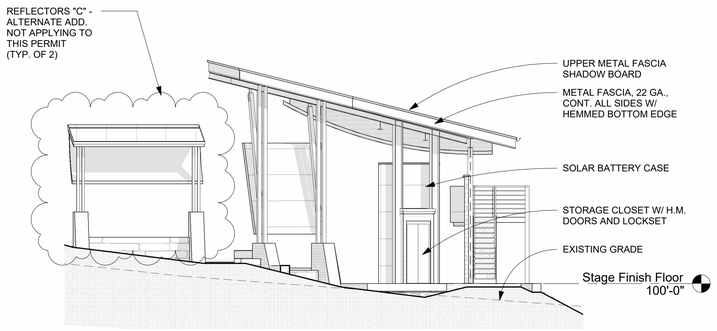
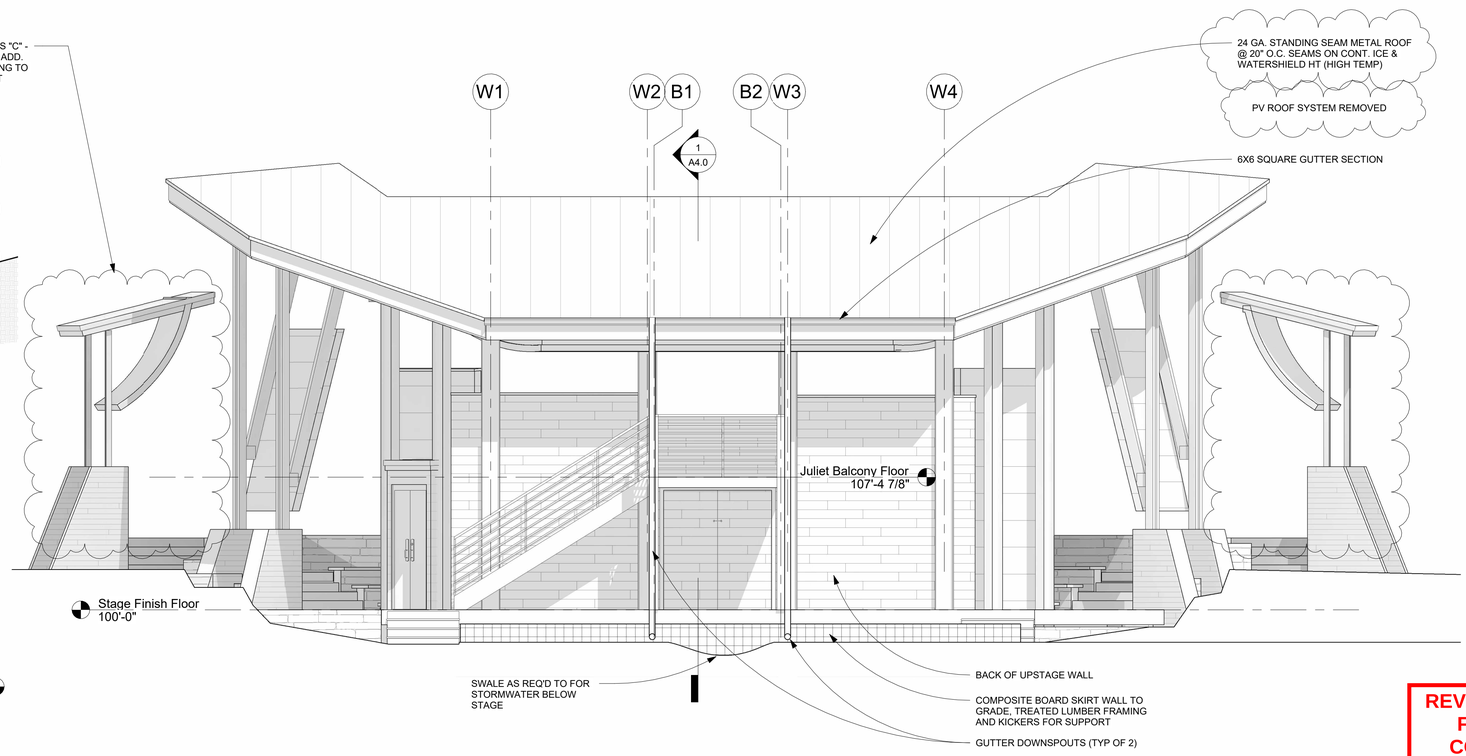


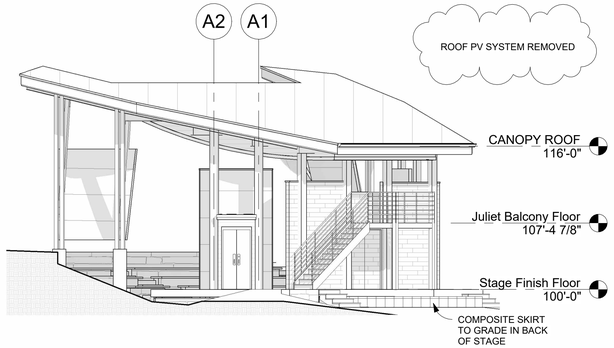
6 SOUTH ELEVATION
1/8" = 1'-0"



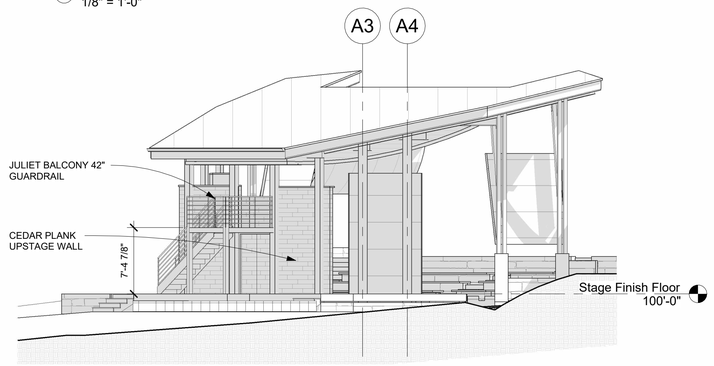
3 NORTH ELEVATION
1/8" = 1'-0"



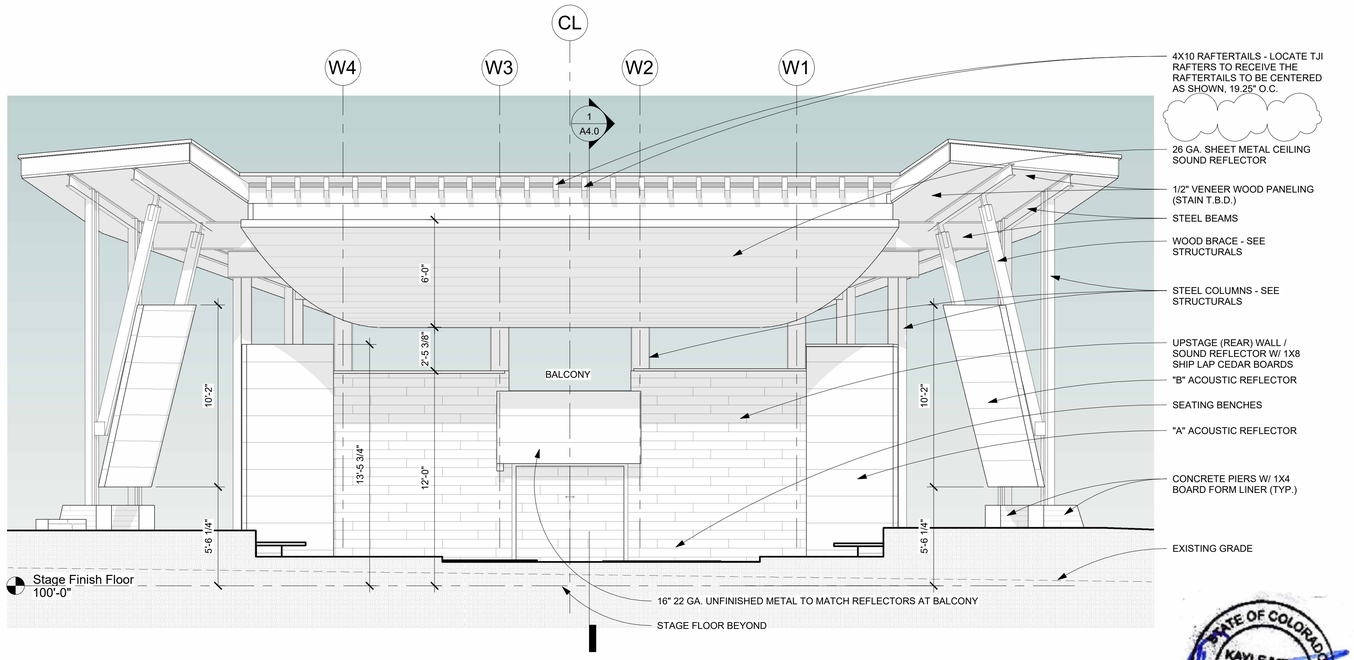
5 WEST ELEVATION
1/4" = 1'-0"



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



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



2 STAGE FRONT - EAST ELEVATION
1/4" = 1'-0"

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07/30/2024

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CONSULTANTS:

PIKNIK AMPHITHEATER

PIKNIK THEATRE

Steamboat Springs School District RE-2
39610 Amethyst Drive
Steamboat Springs, Colorado

No.	Description	Date
1	Revision 1	Date 1
2	Planning & SSSD Submission	05.10.23
3	Building Permit Submission Set	06.2.23
4	RFP Bid Set	09.07.23
F	2024 Building Permit Set	7.24.24

BUILDING ELEVATIONS

STATE OF COLORADO
KAYLE MERL HAWORTH
#303426
LICENSED ARCHITECT
07.23.24

Project number	UR-21-10
Date	JUNE 2, 2023
Drawn by	bam
Checked by	mh

A3.0

Scale As indicated

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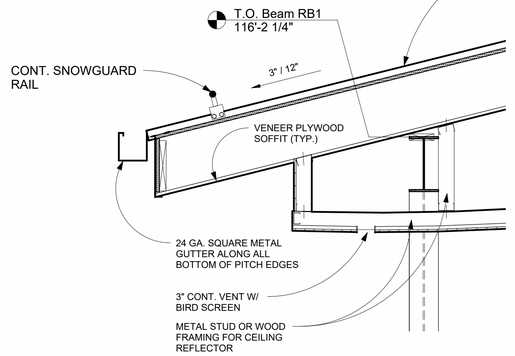
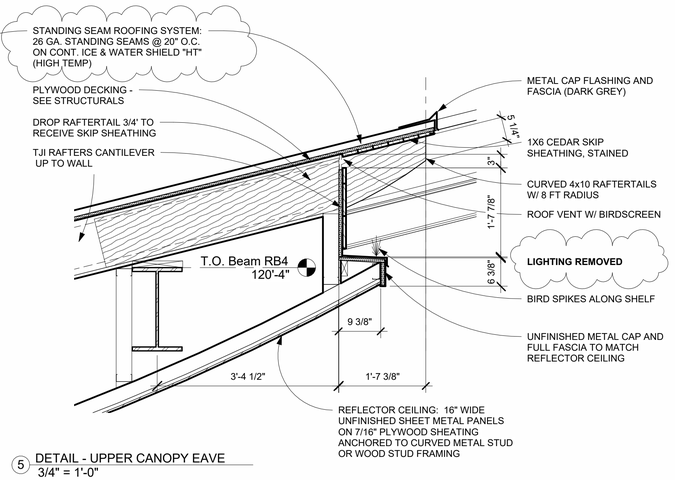
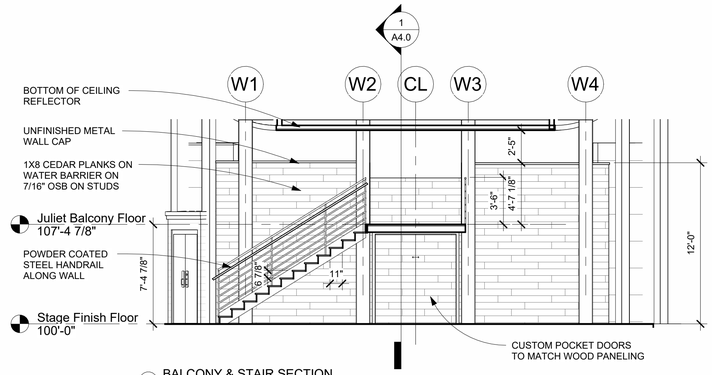
SOLAR SYSTEM AND RELATED ROOFING DETAILS REMOVED FROM PROJECT



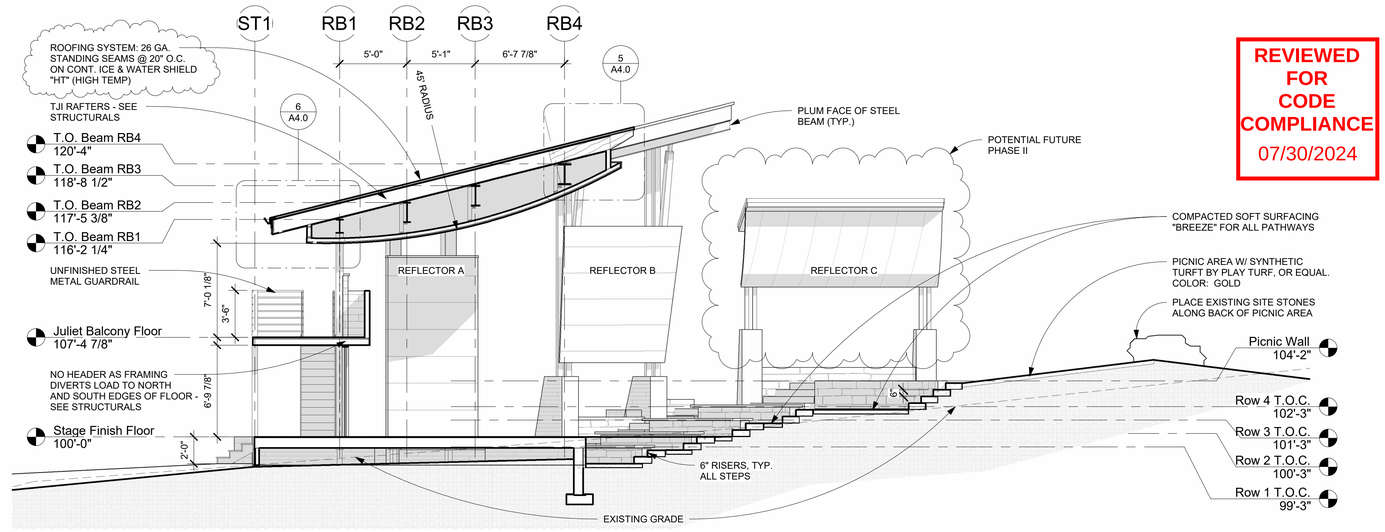
6 DETAIL - WEST CANOPY EAVE
3/4" = 1'-0"



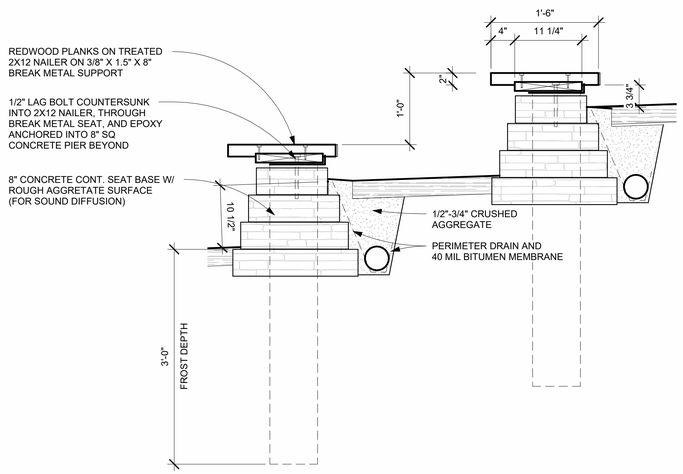
5 DETAIL - UPPER CANOPY EAVE
3/4" = 1'-0"



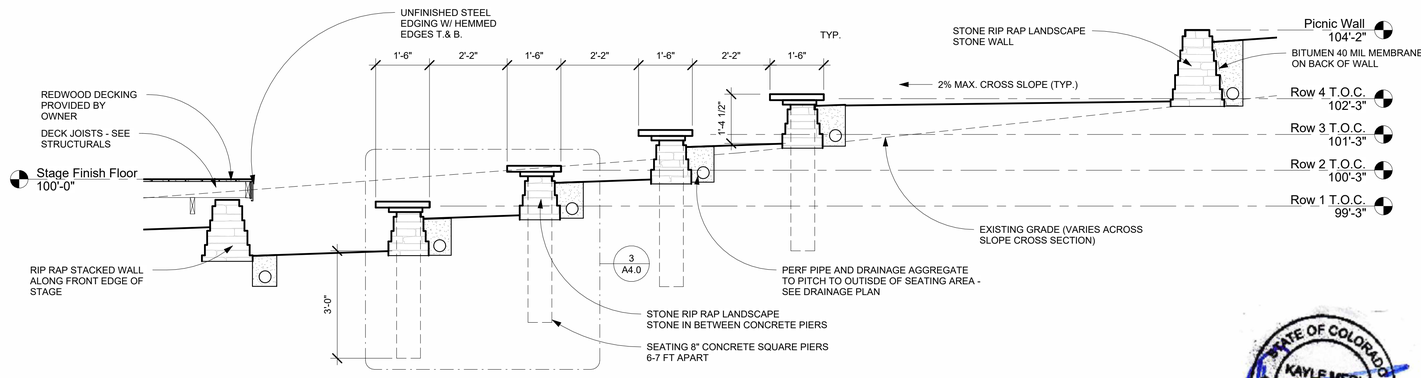
4 BALCONY & STAIR SECTION
3/16" = 1'-0"



1 CROSS SECTION
3/16" = 1'-0"



3 SEATING SECTION DETAIL
1" = 1'-0"



2 SEATING CROSS SECTION
1/2" = 1'-0"

REVIEWED FOR CODE COMPLIANCE
07/30/2024

URBAN | RURAL DESIGN

Urban|Rural Design, Inc.
316 Willow Street
Fort Collins, Colorado
970.889.4004
www.urbanruralarch.com

CONSULTANTS:

PIKNIK AMPHITHEATER

PIKNIK THEATRE

Steamboat Springs School District RE-2
39610 Amethyst Drive
Steamboat Springs, Colorado

No.	Description	Date
1	Revision 1	Date 1
3	Building Permit Submission Set	6.2.23
4	RFP Bid Set	09.07.23
F	2024 Building Permit Set	7.24.24

BUILDING SECTIONS AND DETAILS

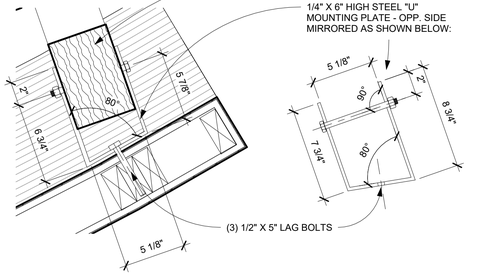
Project number	UR-21-10
Date	JUNE 2, 2023
Drawn by	bam
Checked by	mh

A4.0

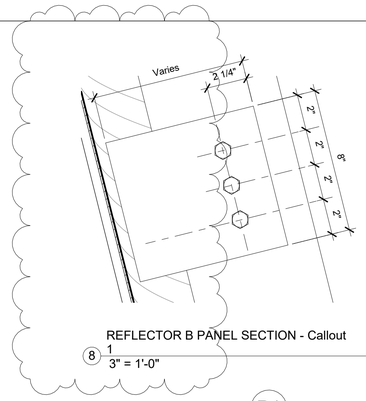
Scale As indicated

STATE OF COLORADO
KAYLE MERL HAWORTH
#303426
LICENSED ARCHITECT
7.24.24

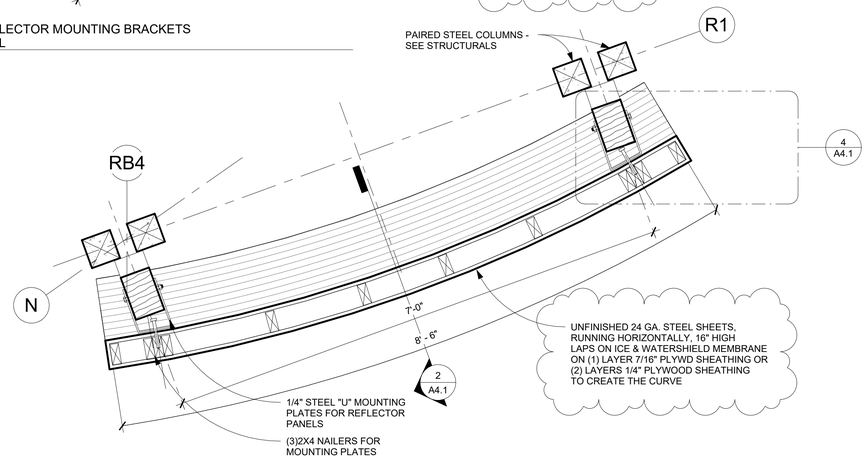
7/24/2024 11:57:00 AM



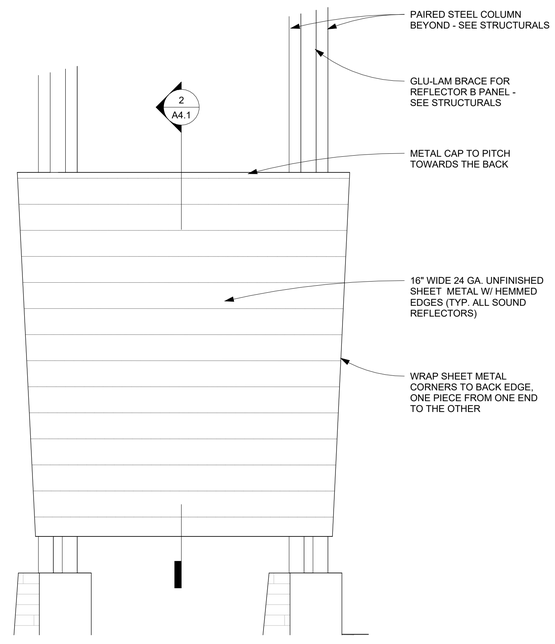
B REFLECTOR MOUNTING BRACKETS DETAIL
4 1 : 6



REFLECTOR B PANEL SECTION - Callout
8 1
3" = 1'-0"

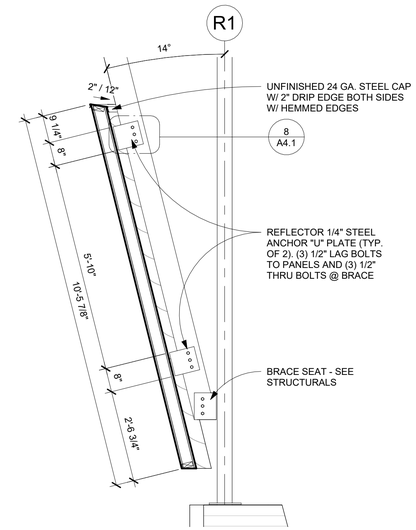


B REFLECTOR PLAN
3 1" = 1'-0"

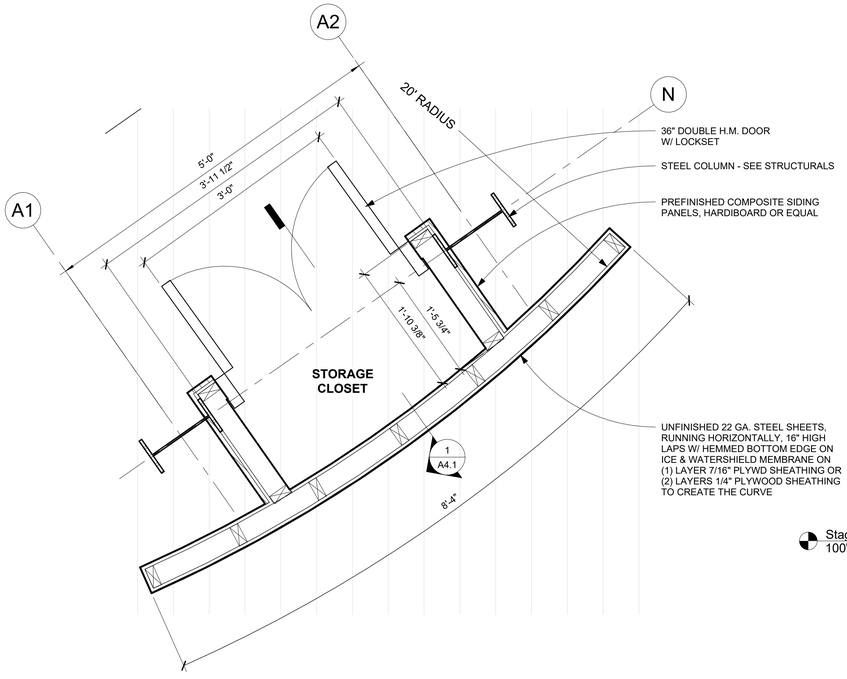


REFLECTOR B ELEVATION
7 1/2" = 1'-0"

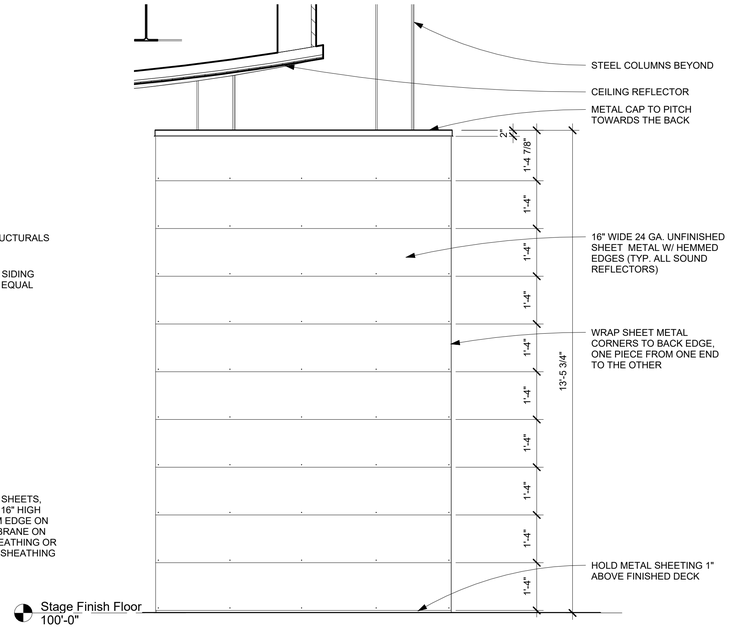
SIM. PANEL DETAILS AS 6/A4.1



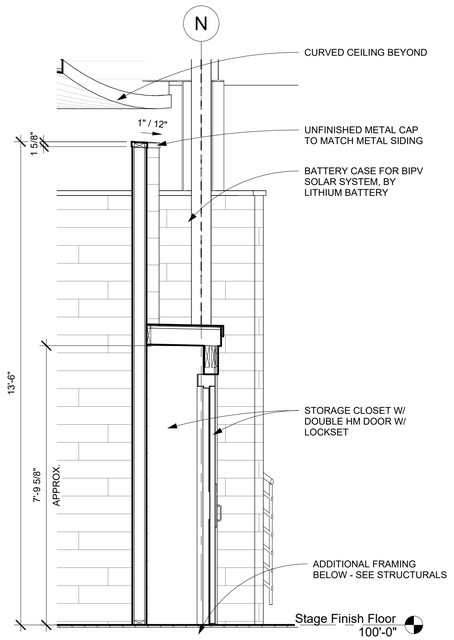
REFLECTOR B PANEL SECTION
2 1/2" = 1'-0"



A REFLECTOR PLAN
5 1" = 1'-0"



REFLECTOR A ELEVATION
6 1/2" = 1'-0"



REFLECTOR A SECTION
1 1/2" = 1'-0"

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CONSULTANTS:

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Steamboat Springs School District RE-2
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Steamboat Springs, Colorado

No.	Description	Date
1	Revision 1	Date 1
3	Building Permit Submission Set	6.2.23
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F	2024 Building Permit Set	7.24.24

ACOUSTIC REFLECTOR DETAILS

Project number	UR-21-10
Date	JUNE 2, 2023
Drawn by	bam
Checked by	mh

A4.1

Scale: As indicated

7/24/2024 11:57:00 AM

PIKNIK AMPHITHEATER

STEAMBOAT SPRINGS, COLORADO

GENERAL NOTES:

MISCELLANEOUS:

THESE PLANS WERE DESIGNED FOR THE FINISHED PRODUCT. SHORING, STAGING, AND ORDER OF OPERATION ARE OUTSIDE THE SCOPE OF OUR SERVICES. THEREFORE, CONTRACTOR IS RESPONSIBLE FOR STABILITY OF THE STRUCTURE AND ITS COMPONENTS DURING CONSTRUCTION.

SHOP DRAWING AND SUBMITTALS, WHERE REQUIRED, WILL DEMONSTRATE HOW THE CONTRACTOR PROPOSED TO CONFORM TO THE INFORMATION GIVEN AND THE DESIGN CONCEPT EXPRESSED IN THE CONTRACTOR DOCUMENTS FOR THOSE PORTIONS OF WORK. WHEN FORWARDING SUBMITTALS TO THE ENGINEER, THE CONTRACTOR REPRESENTS THAT THEY:

A. REVIEWED AND APPROVED THE SUBMITTAL

B. DETERMINED AND VERIFIED MATERIALS, FIELD MEASUREMENTS, AND FIELD CONSTRUCTION CRITERIA (OR WILL DO SO)

C. CHECKED AND COORDINATED THE INFORMATION IN THE SUBMITTAL WITH THE CONTRACT REQUIREMENTS

CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH ARCHITECTURAL AND METAL BUILDING DRAWINGS PRIOR TO CONSTRUCTION.

SOILS:

REPORT BY: NORTHWEST COLORADO CONSULTANTS, INC.
DATE: MARCH 13, 2020
PROJECT NO: 19-11673

FOUNDATION SOILS	
FOOTINGS - BEARING CONDITIONS	DESCRIPTION
MAXIMUM ALLOWABLE PRESSURE	3000 psf
MINIMUM DEAD LOAD REQUIRED	NONE
DESIGN EARTH PRESSURE	55 pcf (EFP)
FROST DEPTH	48 INCHES

- WE REQUIRE AN OPEN-HOLE OBSERVATION BE PERFORMED BY A REPRESENTATIVE OF A QUALIFIED GEOTECHNICAL ENGINEER, OPEN-HOLE OBSERVATIONS ARE TO VERIFY THAT THE SOIL CONDITIONS ARE CONSISTENT WITH THOSE DESCRIBED IN THE REFERENCED SOILS REPORT.
- SOILS CONDITIONS INCONSISTENT WITH THE SOILS REPORT MAY REQUIRE ADDITIONAL EVALUATION OR A FOUNDATION REDESIGN, AND SHOULD BE BROUGHT TO THE ATTENTION OF THE FOUNDATION ENGINEER.
- ALL FOOTINGS, PADS, OR PIERS (EXCEPT INTERIOR BASEMENT PADS) SHALL BE A MINIMUM OF 30" (IN) BELOW GRADE, OR PER LOCAL CODE, AND SHOULD BEAR UPON UNDISTURBED NATIVE SOILS OR STRUCTURAL FILL ACCEPTABLE TO THE GEOTECHNICAL ENGINEER.
- ALL OTHER RECOMMENDATIONS CONTAINED IN THE SOILS REPORT PERTAINING TO BACKFILL, DRAINAGE, ETC. SHOULD BE INCORPORATED INTO THE DESIGN OF THIS PROJECT.
- WE RECOMMEND FOUNDATION WALLS NOT BE BACKFILLED FOR A MINIMUM OF EIGHT DAYS AFTER PLACEMENT OF CONCRETE. PRIOR TO BACKFILLING, WE RECOMMEND DAMP-PROOFING FOR ALL FOUNDATION WALLS THAT RETAIN EARTH AND ENCLOSE INTERIOR SPACES AS REQUIRED BY LOCAL CODE.
- ALL FLOOR SYSTEMS SHOULD BE IN PLACE BEFORE BACKFILLING AGAINST ANY FOUNDATION WALL, OR AS AN ALTERNATIVE ADEQUATELY BRACE THE FOUNDATION.
- BACKFILL PER THE SOILS REPORT.

CONCRETE:

CONCRETE MATERIAL DESIGN PROPERTIES			
USE	STRENGTH (f'c)	MAXIMUM W/C RATIO	AIR ENTRAINMENT
FOUNDATIONS INTERIOR FLATWORK (SEE NOTE BELOW)	4,000 3,500	0.45 N/A	5-8% NONE
EXTERIOR FLATWORK	4,500	0.45	5-8%
REINFORCING DESIGN PROPERTIES			
SIZE	GRADE	FINISH	
#3 - #11	60	BLACK	
WWF	75	BLACK	

- READY-MIXED CONCRETE SHALL COMPLY WITH ASTM C94 - STANDARD SPECIFICATION FOR READY-MIXED CONCRETE.
- CEMENT TYPE II, ASTM C150.
- AGGREGATES: PER ASTM C33
- ALL CONCRETE SHALL BE DESIGNED, MIXED AND PLACED IN ACCORDANCE WITH ACI 301 SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS.
- COLD WEATHER CONCRETING REQUIREMENTS PER ACI 306R: "COLD WEATHER CONCRETING" SHALL BE STRICTLY ADHERED TO WHEN THE AMBIENT TEMPERATURE IS 40°F OR BELOW.
- HOT WEATHER CONCRETE PRODUCTION, DELIVERY, PLACING, CURING, TESTING AND INSPECTION SHALL BE IN ACCORDANCE WITH ACI 305R - HOT WEATHER CONCRETING.
- INTERIOR SLAB CONCRETE SHALL HAVE A MAXIMUM SHRINKAGE LIMIT OF 0.04 PERCENT AS DETERMINED BY ASTM C157
- CONTRACTOR SHALL PROVIDE MIX DESIGN SUBMITTALS FOR APPROVAL 30 DAYS PRIOR TO USE
- IF POWER TROWEL IS INTENDED FOR USE ON EXTERIOR CONCRETE FLATWORK, CONTACT CTL THOMPSON FOR MIX DESIGN UPDATE.

ANCHOR BOLTS:

ANCHORS			
DIAMETER	GRADE	EMBEDMENT	PROJECTION
1/2"	A307	8 INCHES	11/2" MIN.
5/8"	F1554 GR. 36	8 INCHES	11/2" MIN.
3/4"	F1554 GR. 36	10 INCHES	11/2" MIN.
1"	F1554 GR. 36	18 INCHES	2" MIN.

- FOUNDATION ANCHOR BOLTS SHALL CONFORM TO ASTM A325 AND BE 1/2" (IN) DIAMETER BY 10" (IN) LONG SPACED AT 4'-0" MAXIMUM AND 12" (IN) FROM CORNERS AND SPLICES, U.N.O. USE ENGINEERED SILL PLATE MATERIAL.

STEEL:

STEEL DESIGN PROPERTIES			
TYPE	GRADE	YIELD	FINISH
PLATE/ANGLE	A36	36,000	PRIMER COAT
HSS	A500 GR B	46,000	PRIMER COAT
BEAM/COLUMN (W-SHAPE)	A992	50,000	PRIMER COAT
CHANNEL	A36	36,000	PRIMER COAT
ROUND COLUMNS	A500	42,000	PRIMER COAT
CONNECTIONS			
WELDS	GRADE 70		
BOLTS	A325, UNLESS NOTED OTHERWISE		
GROUT BED	5000 PSI, NON-SHRINK		

- ALL WELDS SHALL BE PRE-QUALIFIED WITH ULTIMATE STRENGTH OF 70 KSI, AS DEFINED BY ANSI/AWX D1.1, ORD1.3, LATEST EDITION.
- ALL MISCELLANEOUS WELDS (FIELD OR SHOP) SHALL BE MINIMUM SIZE FILLET ALL AROUND IN ACCORDANCE WITH AISC. WELDING OF CONTINUOUS MEMBERS SHALL BE A MINIMUM OF 2 INCHES OF 3/16 INCH FILLET STITCH WELDS AT 12 INCHES O.C. STAGGERED EACH SIDE, UNLESS OTHERWISE NOTED.
- COLUMN BASE PLATES, CAP PLATES AND STIFFENER PLATES SHALL BE WELDED ALL AROUND. CONNECTIONS NOT DETAILED ON THE DRAWINGS SHALL BE SELECTED FROM TABLE II PART 4 OF THE MANUAL OF STEEL CONSTRUCTION OF THE AISC. TABLE III IN PART 4 MAY BE USED IN COMBINATION WITH TABLE II. ELECTRODES FOR ALL FIELD AND SHOP WELDING SHALL BE CLASS E70XX.
- ALL GROUT USED UNDER STEEL COLUMN BASE PLATES SHALL BE OF NON-SHRINKABLE TYPE AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI.
- THE STEEL SUPPLIER SHALL PROVIDE SHOP DRAWINGS TO GENERAL CONTRACTOR AND TO THE ENGINEER TO VERIFY DESIGN INTENT.

WOOD :

- ALL FRAMING SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF 2018 IBC. ALL CONNECTIONS OR MEMBERS NOT SHOWN ARE PER CODE OR THE GENERAL CONTRACTOR/OWNER. ALL MANUFACTURED WOOD PRODUCTS SHALL BE INSTALLED PER THE MANUFACTURERS SPECIFICATIONS. REFER TO THE CODE FOR ADDITIONAL REQUIREMENTS.
- ALL DIMENSIONAL LUMBER SHALL BE HEM FIR #2 OR BETTER UNLESS NOTED ON THE PLAN. ALL LAMINATED VENEER LUMBER (LVL) IS 1¾" THICK x DEPTH SHOWN ON PLANS AND SHALL HAVE AN ALLOWABLE FLEXURAL STRESS FB = 2600 PSI AND MODULUS OF ELASTICITY OF E = 1.9x10E6 PSI OR BETTER. ALL LAMINATED STRAND LUMBER (LSL) IS 1¾" THICK BY DEPTH SHOWN ON PLANS AND SHALL HAVE AN ALLOWABLE FLEXURAL STRESS FB = 2325 PSI AND MODULUS OF ELASTICITY OF E = 1.55x10E6 PSI OR BETTER. GLUED LAMINATED LUMBER SHALL HAVE AN ALLOWABLE FLEXURAL STRESS FB = 2400 PSI AND MODULUS OF ELASTICITY OF E = 1.8x10E6 PSI OR BETTER.
- ROOF SHEATHING SHALL BE 15/32" (⅜ SPAN RATING) O.S.B. OR BETTER WITH 8D @ 6" ON-CENTER EDGES, 12" ON-CENTER FIELD, OVER ENGINEERED TRUSSES BY OTHERS. FOR TRUSS ATTACHMENT AND BRACING REFER TO THE TRUSS MANUFACTURERS RECOMMENDATIONS.
- DIMENSIONAL LUMBER RAFTERS ARE HEM-FIR #2 UNLESS NOTED OTHERWISE.
- ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED OR REDWOOD.
- PROVIDE SOLID BLOCKING TO TRANSMIT ALL POINT LOADS CONTINUOUS TO THE FOUNDATION AS NECESSARY.
- IF THERE ARE 20 PERCENT OF OVERDRIVEN NAILS IN SHEATHING, THEN SHEATHING MUST BE RENAILED WITH PROPER GUN PRESSURE NOT TO BREAK SURFACE OF SHEATHING.

LIGHT GAUGE STEEL FRAMING NOTES:

- ALL FRAMING SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF GOVERNING CODE. ALL CONNECTIONS OR MEMBERS NOT SHOWN ARE PER CODE OR THE GENERAL CONTRACTOR/OWNER.

FRAMING MATERIALS:

- REFER TO TABLES ON SHEET S-530 FOR STUD AND TRACK SIZING AND MINIMUM GAGE. CLIP ANGLES AND STRAPS SHALL BE OF SAME GAUGE AS STUD MATERIAL, UNLESS NOTED OTHERWISE.
- SIDING AND ROOFING SHALL BE PER THE ARCHITECT. CONNECT PER MANUFACTURERS SPECIFICATIONS.

CONNECTIONS:

- SCREWS TO BE SELF DRILLING, TAPPING SCREWS. SCREWS MUST MEET THE STANDARD OF ASTM C1513.
- CONNECT STUDS TO TRACKS WITH (2) #8 SCREWS (1 PER FLANGE). CONNECT JOISTS TO RIM TRACK WITH (2) #8 SCREWS (1 PER FLANGE).

BOX BEAMS:

- ALL BOX BEAMS SHALL CONSIST OF TWO C-SECTIONS. INSULATION SHALL BE PER THE ARCHITECT BUILDING ENVELOPE DETAILS.

STEEL JOISTS AND DECK:

STEEL JOISTS:

- INSTALL JOISTS IN ACCORDANCE WITH SECTION 6 OF THE STEEL JOIST INSTITUTE'S STANDARD SPECIFICATION SJI 200.
- UNLESS NOTED OTHERWISE, JOIST MANUFACTURER IS RESPONSIBLE FOR DETERMINING REQUIRED NUMBER AND LOCATION OF BRIDGING ROWS.

METAL DECK:

- STEEL DECK SHALL CONFORM TO ASTM A653 SPECIFICATIONS AND SHALL BE GALVANIZED ON THE TOP SURFACE AND PAINTED ON THE BOTTOM SURFACE.
- STEEL DECK FASTENERS:

  1.DECK TO JOIST / SIDE SUPPORT CONNECTIONS: SIMPSON XM #12 X1 ½" SCREWS OR #12 TEK SCREWS

  2.PANEL TO PANEL SIDELAP CONNECTIONS: #10 TEK SCREWS

- DECK SUPPLIER SHALL BE A MEMBER OF THE STEEL DECK INSTITUTE.
- STEEL DECK SIZE SHALL BE PER PLAN.
- INSTALL DECK PER SECTION 3.3 OF THE STEEL DECK INSTITUTE SHORT FORM SPECIFICATIONS.
- AREAS REQUIRING THE DECK TO BE LAID IN SINGLE SPANS SHALL REQUIRE APPROVAL BY PROJECT ENGINEER.
- PROVIDE STEEL EDGE ANGLE AT ALL EDGES PER TYPICAL DETAILS.
- PROVIDE 4x4x¼" STEEL ANGLE AT ALL RTU LOCATIONS INDICATED ON PLAN, U.N.O. REFER TO DETAILS FOR MEMBER SIZING.
- PROVIDE 3x3x¼" SUPPORT ANGLES FOR ALL DECK PENETRATIONS LARGER THAN 6" Ø .

DESIGN LOADING AND CODE JURISDICTION:

DESIGN CRITERIA		
Referenced Design Codes:	2018 IBC, ASCE 7-16 ACI 318-14, 2018 NDS Risk Category II	
Roof Loads:		
Roof Dead Load*	25	psf
Roof Live Load	20	psf
Ground Snow Load	92	psf
Flat Roof Snow Load	77.28	psf
Snow Exposure Factor	1.0	
Snow Importance Factor	1.0	
Snow Thermal Factor	1.2	
* Note: A solar panel system with dead load of 6.75psf has been included in the Roof Dead Load		
Stage Loads:		
Stage Dead Load	15	psf
Stage Live Load (Uniform)	100	psf
Equipment Loads:		
The structure has not been designed for any additoinal equipment laods at this time.		
Wind Loads:		
Design Wind Speed	115	mph
Wind Speed Type	Vult	
Wind Exposure	C	
Internal Pressure Coefficient	0.18	(Enclosed)
Seismic Loads:		
Acceleration Parameters		
Short Period (g) (S_S & S_{DS})	0.585 ,	0.333
One Second (g) (S_1 & S_{D1})	0.102 ,	0.133
Seismic Importance Factor	1	
Soil Site Class	C	
Seismic Design Category	B	
Basic Resistance System	Wood Frame	
Design Base Shear	17.82	K
Response Coefficients	0.167	
Response Mod. Coeff.	2	
Analysis Procedure	Equivalent Lateral	

REVIEWED FOR CODE COMPLIANCE
07/30/2024

CTL | THOMPSON INCORPORATED
P:970-206-8455
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CTL | THOMPSON INCORPORATED
4396 Inverness Drive
Fort Collins, CO 80524

COLORADO LICENSED PROFESSIONAL ENGINEER 58505 07/23/2024

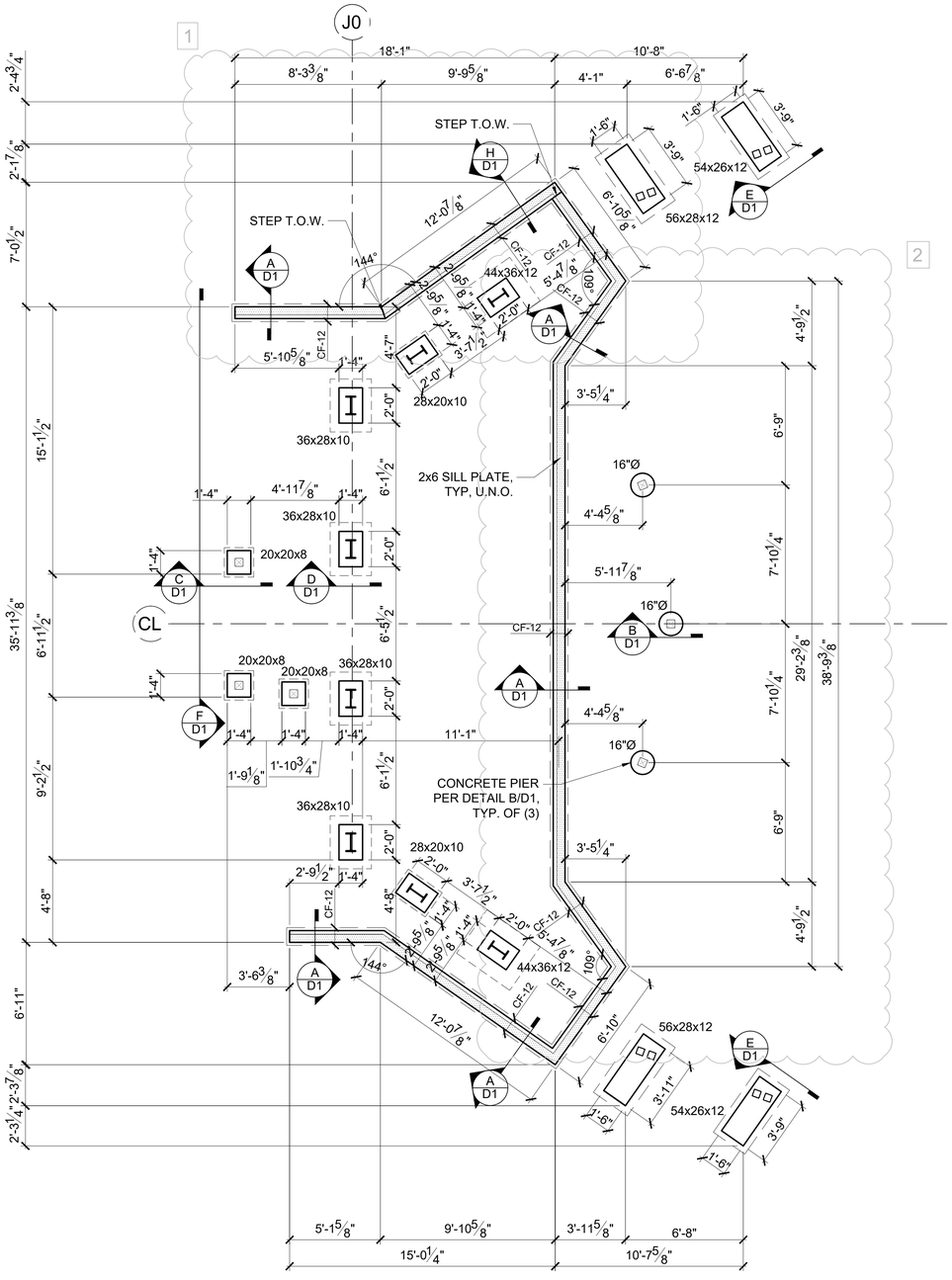
PROJECT LOCATION:
PIKNIK AMPHITHEATRE
AMETHYST DRIVE
STEAMBOAT SPRINGS, COLORADO

PROJECT INFORMATION & GENERAL NOTES

NO.	DATE	REVISION/ISSUE
1	06/30/2023	PERMIT DOCUMENTS
2	07/07/2023	RAISE T.O.F. FOR FLUSH STAGE ENTRY AT NORTH
3	07/23/2024	REMOVE CURVED FOUNDATION WALL

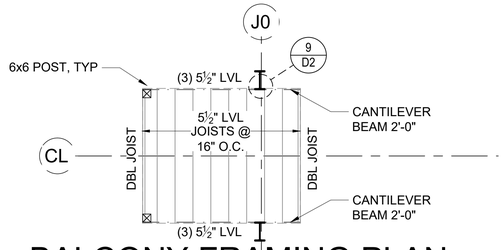
CLIENT:
PIKNIK THEATER
PO BOX 770181
STEAM BOAT, COLORADO
contact: STUART HANDLOFF
(970) 355 - 9403

DESIGN/CHK: DTH/CKB	SHEET NUMBER: S0
DRAWN: JV/JRK	
PROJECT: FC10415.000	
DATE: 06/30/2023	
SCALE: PER PLAN	OF 6 SHEETS



FOUNDATION PLAN

SCALE 1/4" = 1'-0"



BALCONY FRAMING PLAN

SCALE 1/4" = 1'-0"

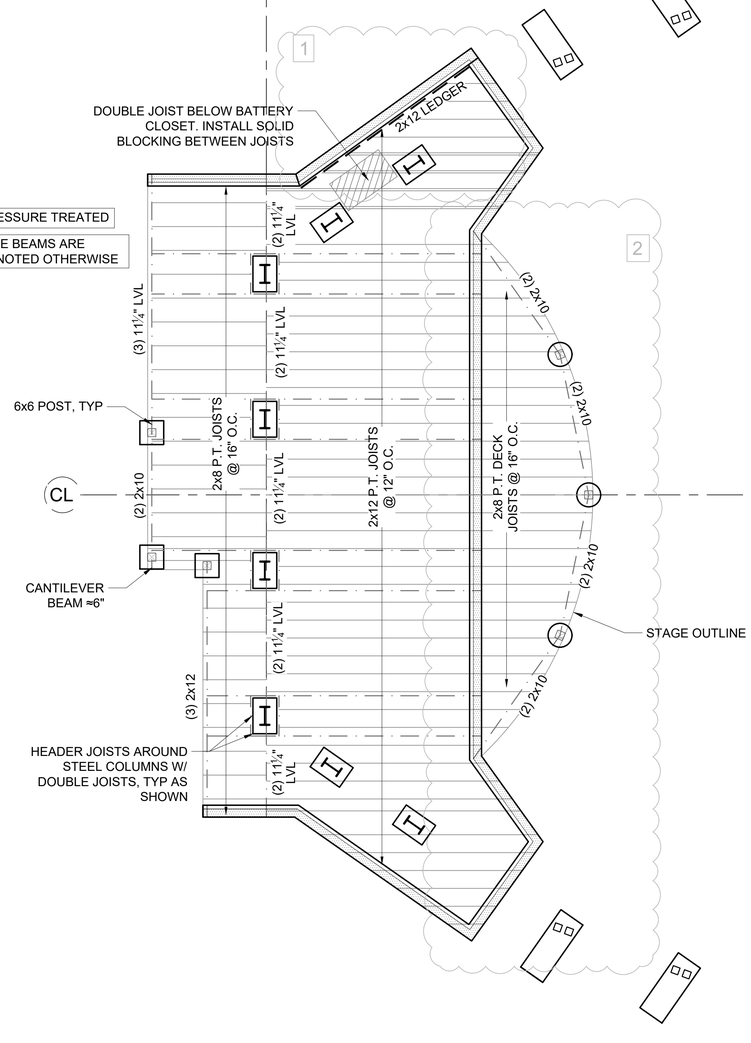
HANGER SCHEDULE	
CONNECTION LOCATION	CONNECTOR
I-JOIST TO FLUSH WOOD BEAM	IUS-SERIES
(2) I-JOIST TO FLUSH WOOD BEAM	IUS-SERIES
SAWN JOIST TO FLUSH WOOD BEAM	LUS-SERIES
(1)-LVL TO FLUSH WOOD BEAM	HU-SERIES
(2)-LVL TO FLUSH WOOD BEAM	HHUS-SERIES
(3)-LVL TO FLUSH WOOD BEAM	HHUS-SERIES
I-JOIST RAFTER TO RIDGE BEAM	LSSR OR HU*-SERIES
SAWN RAFTER TO RIDGE BEAM	LSSR OR HU*-SERIES
WOOD POST TO FOUNDATION	ABU-SERIES
WOOD POST TO BEAM ABOVE	BC-SERIES
I-JOIST TO FLUSH STEEL BEAM	ITS-SERIES
(2) I-JOIST TO FLUSH STEEL BEAM	BA-SERIES
(1)-LVL TO FLUSH STEEL BEAM	ITS-SERIES
(2)-LVL TO FLUSH STEEL BEAM	BA-SERIES
(3)-LVL TO FLUSH STEEL BEAM	HB-SERIES
DECK PSL TO WOOD COLUMN	HUCQ-SERIES

* - THIS HANGER MAY BE SPECIAL ORDER FOR THE APPLICATION LISTED ABOVE.

NOTE: FOR EXTERIOR APPLICATIONS WHERE ACQ TREATED LUMBER WILL BE USED, ALL HANGERS MUST HAVE ZMAX CORROSION PROTECTION.

NOTE: P.T. = PRESSURE TREATED

NOTE: ALL STAGE BEAMS ARE FLUSH UNLESS NOTED OTHERWISE



STAGE FLOOR FRAMING PLAN

SCALE 1/4" = 1'-0"

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Fort Collins, CO 80524
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COLORADO LICENSED PROFESSIONAL ENGINEER
58505
07/23/2024

PROJECT LOCATION:
PIKNIK AMPHITHEATRE
AMETHYST DRIVE
STEAMBOAT SPRINGS, COLORADO

FOUNDATION AND STAGE FLOOR FRAMING PLAN

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PO BOX 770181
STEAM BOAT, COLORADO
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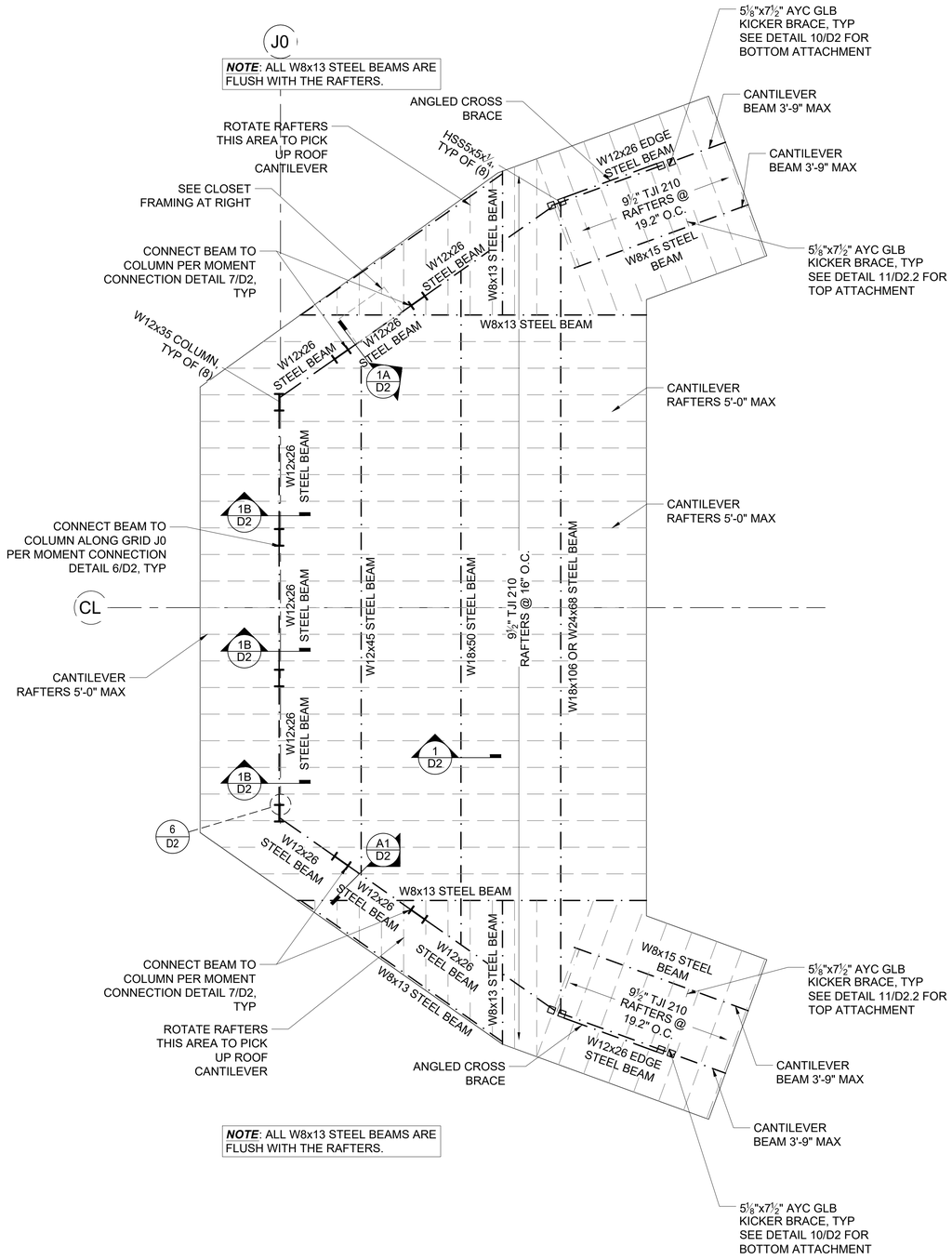
(970) 355 - 9403

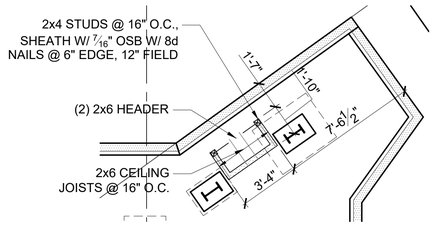
DRAWN/CHK	DTH/CKB
DESIGN	JV/JRK
PROJECT #	FC10415.000
DATE	05/30/2023
SCALE	PER PLAN
SHEET NUMBER	S1
OF	6 SHEETS



ROOF FRAMING PLAN

SCALE 1/4" = 1'-0"

NOTE: SOLAR PANEL ATTACHMENT SHALL BE BY OTHERS. THESE PLANS ARE FOR THE ROOF FRAMING UP TO THE ROOF SHEATHING



BATTERY CLOSET FRAMING PLAN

SCALE 1/4" = 1'-0"

REVIEWED FOR CODE COMPLIANCE
07/30/2024

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COLORADO LICENSED PROFESSIONAL ENGINEER
58505
07/23/2024

PROJECT LOCATION:

PIKNIK AMPHITHEATRE
AMETHYST DRIVE
STEAMBOAT SPRINGS, COLORADO

ROOF FRAMING PLAN

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3	07/23/2024	REMOVE CURVED FOUNDATION WALL

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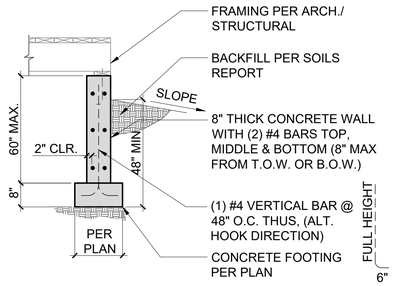
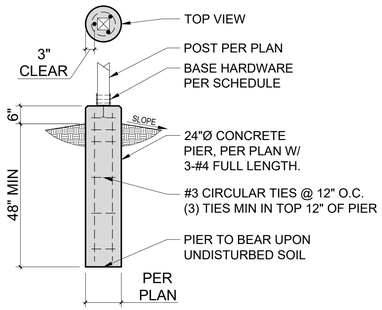
PIKNIK THEATER
PO BOX 770181
STEAM BOAT, COLORADO
contact: STUART HANDLOFF
(970) 355 - 9403

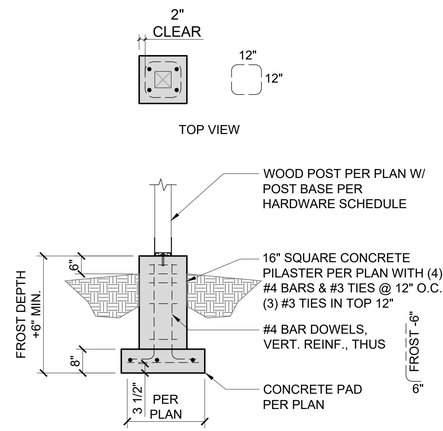
DESIGNED BY	DTH/CKB
DRAWN BY	JV/JRK
PROJECT #	FC10415.000
DATE	05/30/2023
SCALE	PER PLAN
SHEET NUMBER	S2
OF 6 SHEETS	



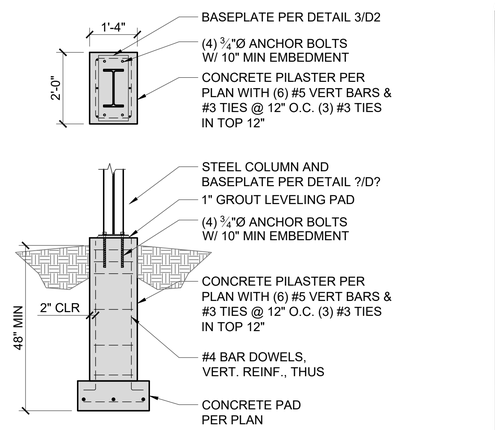
TYPICAL FOUNDATION WALL A



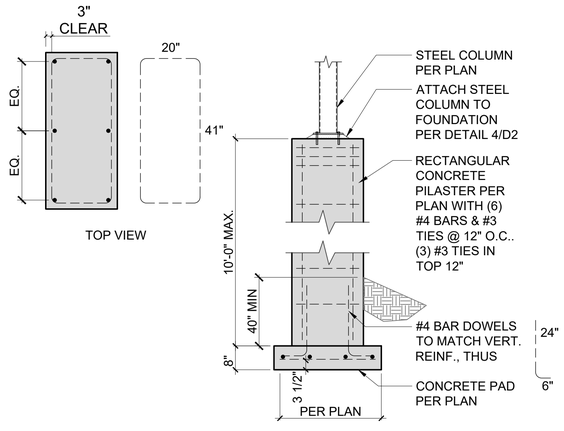
TYPICAL CIRCULAR PIER DETAIL B



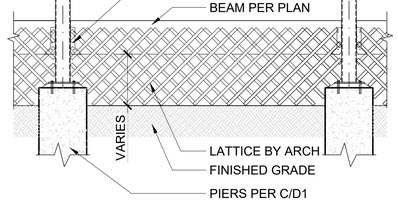
SMALL COLUMN PILASTER DETAIL C



WIDE FLANGE COLUMN PILASTER D



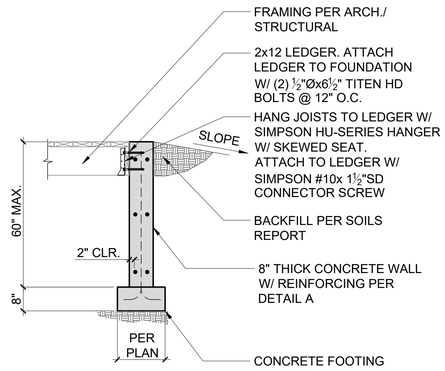
LARGE COLUMN PILASTER DETAIL E



LATTICE PROTECTION AT BACK OF STAGE F

NOT USED

CURVED FOUNDATION WALL AT FRONT G



RAISED FOUNDATION WALL AT STAGE H

NOT USED J

NOT USED K

NOT USED L

NOT USED M

REVIEWED FOR CODE COMPLIANCE
07/30/2024

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F:970-206-9441
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COLORADO LICENSED PROFESSIONAL ENGINEER
58505
07/23/2024

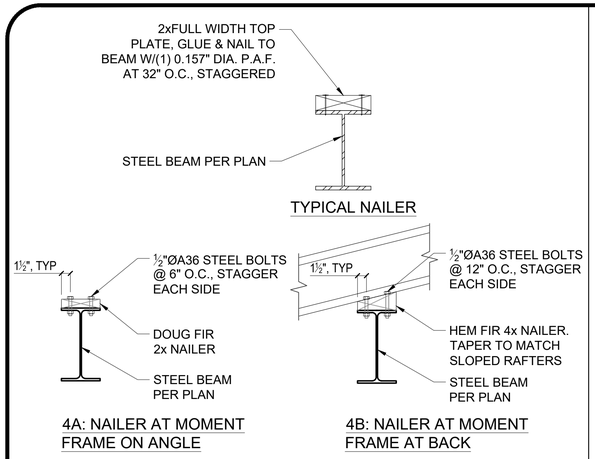
PROJECT LOCATION:
PIKNIK AMPHITHEATRE
AMETHYST DRIVE
STEAMBOAT SPRINGS, COLORADO

FOUNDATION DETAILS

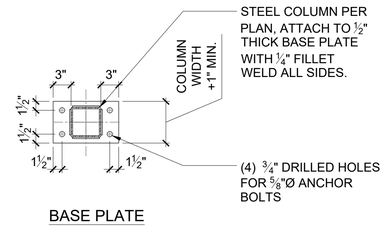
NO.	DATE	REVISION/ISSUE
1	05/30/2023	PERMIT DOCUMENTS
2	07/07/2023	RAISE T.O.F. FOR FLUSH STAGE ENTRY AT NORTH
3	07/23/2024	REMOVE CURVED FOUNDATION WALL

CLIENT:
PIKNIK THEATER
PO BOX 770181
STEAM BOAT, COLORADO
contact: STUART HANDLOFF
(970) 355 - 9403

DRAWN/CHK'D	DTH/CKB
DESIGNED	JV/JRK
PROJECT #	FC10415.000
DATE	05/30/2023
SCALE	PER PLAN
SHEET NUMBER	D1
OF	6 SHEETS



TYPICAL STEEL BEAM NAILER 1

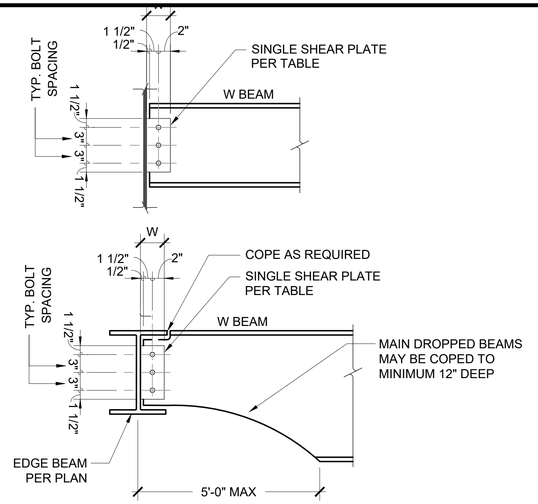


BASE PLATE NOTES;
- ALL PLATES ARE A36 STEEL.
- ALL BOLTS SHALL BE THREADED FULL HEIGHT ABOVE CONCRETE AND HAVE DBL. NUTS AND WASHERS. TACK WELD IN PLACE.
- CENTER ALL COLUMNS ON PLATES, UNLESS OTHERWISE SHOWN.
- ALL COLUMNS SHALL BE WELDED TO BASE PLATES WITH FILLET WELDS, U.N.O. ALL FILLET WELDS SHALL BE AS PER AISC 360 TABLE J2.4.
- ASTM F844 OR A36 PLATE WASHERS AND A563 NUTS.
- CAST IN PLACE ANCHOR RODS SHALL BE F1554, GRADE 36, U.N.O.
- ANCHOR BOLTS SHALL BE CAST IN PLACE UNLESS NOTED OTHERWISE OR APPROVED IN WRITING BY ENGINEER OF RECORD.

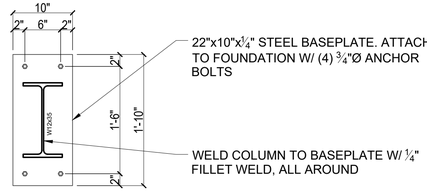
SHEAR TAB DETAIL 2

TABLE 1 (MINIMUM CONNECTION SPECIFICATIONS)					
BEAM SIZE	BOLTS IN LINE	BOLT DIA.	PLATE THICKNESS	WELD THROAT	TAB WIDTH (W)
W8x	2	3/4"	3/8"	5/16"	6"
W12x	3	3/4"	3/8"	5/16"	6"
W18x	3	3/4"	3/8"	5/16"	6"

NOTES:
- WELDS ARE FILLET TYPE, 70 ksi (Fexx), FULL LENGTH.
- BOLTS ARE A325, THREAD EXCLUDED FROM SHEAR PLANE.
- BOLT HOLE DIAMETER SHALL BE 1/16" LARGER THAN BOLT DIAMETER.
- TAB MATERIAL IS A36.

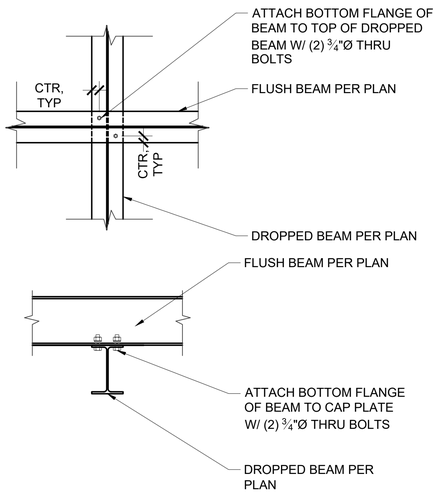


WIDE FLANGE BASEPLATE 3

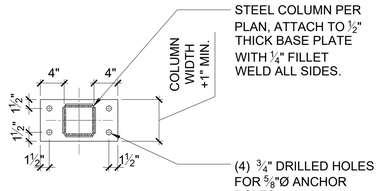


BASE PLATE NOTES;
- ALL PLATES ARE A36 STEEL.
- ALL BOLTS SHALL BE THREADED FULL HEIGHT ABOVE CONCRETE AND HAVE DBL. NUTS AND WASHERS. TACK WELD IN PLACE.
- CENTER ALL COLUMNS ON PLATES, UNLESS OTHERWISE SHOWN.
- ALL COLUMNS SHALL BE WELDED TO BASE PLATES WITH FILLET WELDS, U.N.O. ALL FILLET WELDS SHALL BE AS PER AISC 360 TABLE J2.4.
- ASTM F844 OR A36 PLATE WASHERS AND A563 NUTS.
- CAST IN PLACE ANCHOR RODS SHALL BE F1554, GRADE 36, U.N.O.
- ANCHOR BOLTS SHALL BE CAST IN PLACE UNLESS NOTED OTHERWISE OR APPROVED IN WRITING BY ENGINEER OF RECORD.

COLUMN BASEPLATE 4

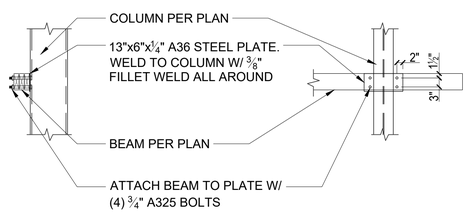


STEEL BEAM TO DROPPED BEAM CXN 8

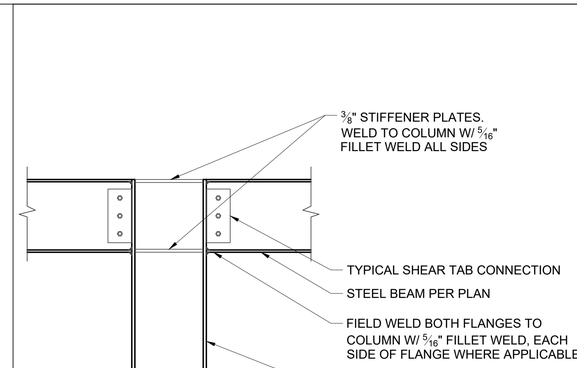


CAP PLATE NOTES;
- ALL PLATES ARE A36 STEEL.
- ALL BOLTS SHALL BE THREADED FULL LENGTH.
- CENTER ALL COLUMNS ON PLATES, UNLESS OTHERWISE SHOWN.
- ALL COLUMNS SHALL BE WELDED TO CAP PLATES WITH FILLET WELDS, U.N.O. ALL FILLET WELDS SHALL BE AS PER AISC 360 TABLE J2.4.
- VERIFY COLUMN CAP ORIENTATION TO SUPPORTED BEAM CAP MAY BE SLOPED IN 1 OR 2 DIRECTIONS

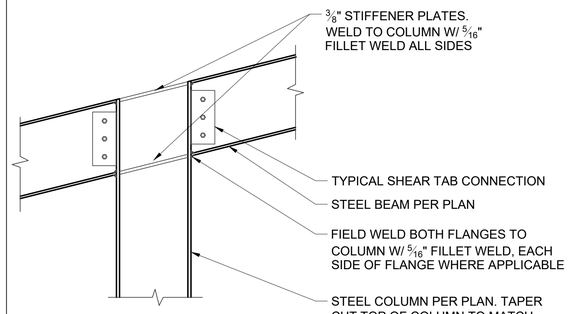
COLUMN CAP PLATE 5



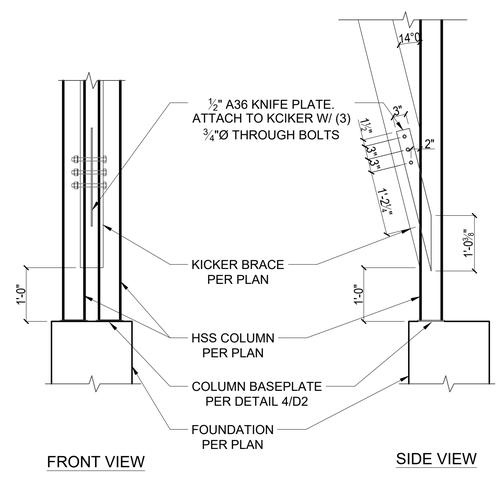
WOOD BEAM TO STEEL COLUMN 9

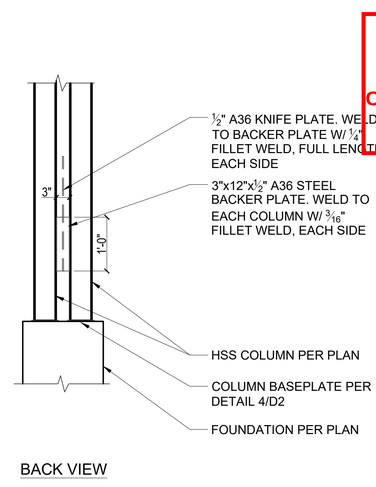


BEAM/COLUMN MOMENT CONNECTION 6



BEAM/COLUMN MOMENT CONNECTION AT ANGLE 7





REVIEWED FOR CODE COMPLIANCE 07/30/2024

KICKER BRACE BOTTOM CONNECTION 10

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Fort Collins, CO 80524
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COLORADO LICENSED PROFESSIONAL ENGINEER 58505 07/23/2024

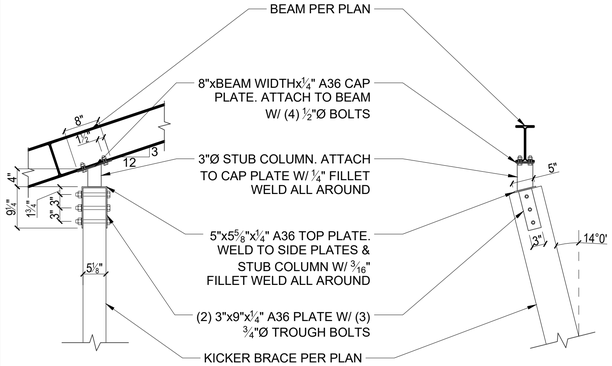
PROJECT LOCATION:
PIKNIK AMPHITHEATRE
AMETHYST DRIVE
STEAMBOAT SPRINGS, COLORADO

DETAILS

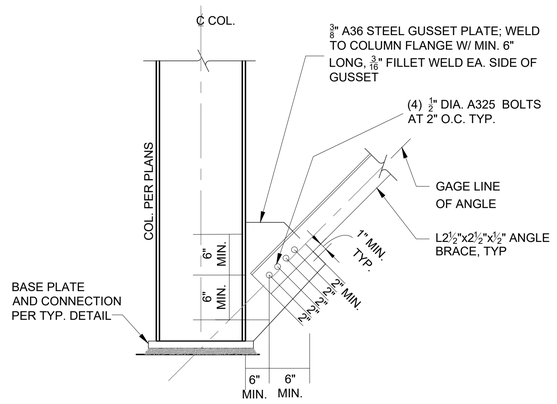
NO.	DATE	REVISION/ISSUE
1	06/30/2023	PERMIT DOCUMENTS
2	07/07/2023	RAISE T.O.F. FOR FLUSH STAGE ENTRY AT NORTH
3	07/23/2024	REMOVE CURVED FOUNDATION WALL

CLIENT:
PIKNIK THEATER
PO BOX 770181
STEAM BOAT, COLORADO
contact: STUART HANDLOFF
(970) 355 - 9403

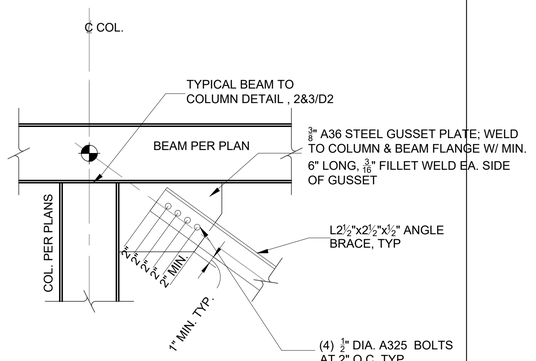
DESIGNER:	DTH/CKB
DRAWN:	JV/JRK
PROJECT:	FC10415.000
DATE:	05/30/2023
SCALE:	PER PLAN
SHEET NUMBER:	D2
SHEETS	OF 6



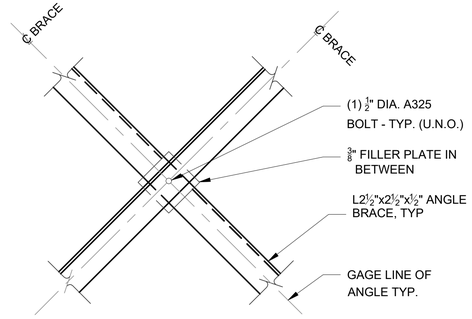
KICKER BRACE TOP CONNECTION 11



X BRACING AT COLUMN BASE 12



X BRACING AT COLUMN TOP 13



CROSS BRACE INTERSECTION 14

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COLORADO LICENSED PROFESSIONAL ENGINEER 58505 07/23/2024

PROJECT LOCATION:
PIKNIK AMPHITHEATRE
AMETHYST DRIVE
STEAMBOAT SPRINGS, COLORADO

DETAILS

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DRAWN/CHK	DTH/CKB
DESIGN	JV/JRK
PROJECT #	FC10415.000
DATE	05/30/2023
SCALE	PER PLAN

SHEET NUMBER D2.2
OF 6 SHEETS