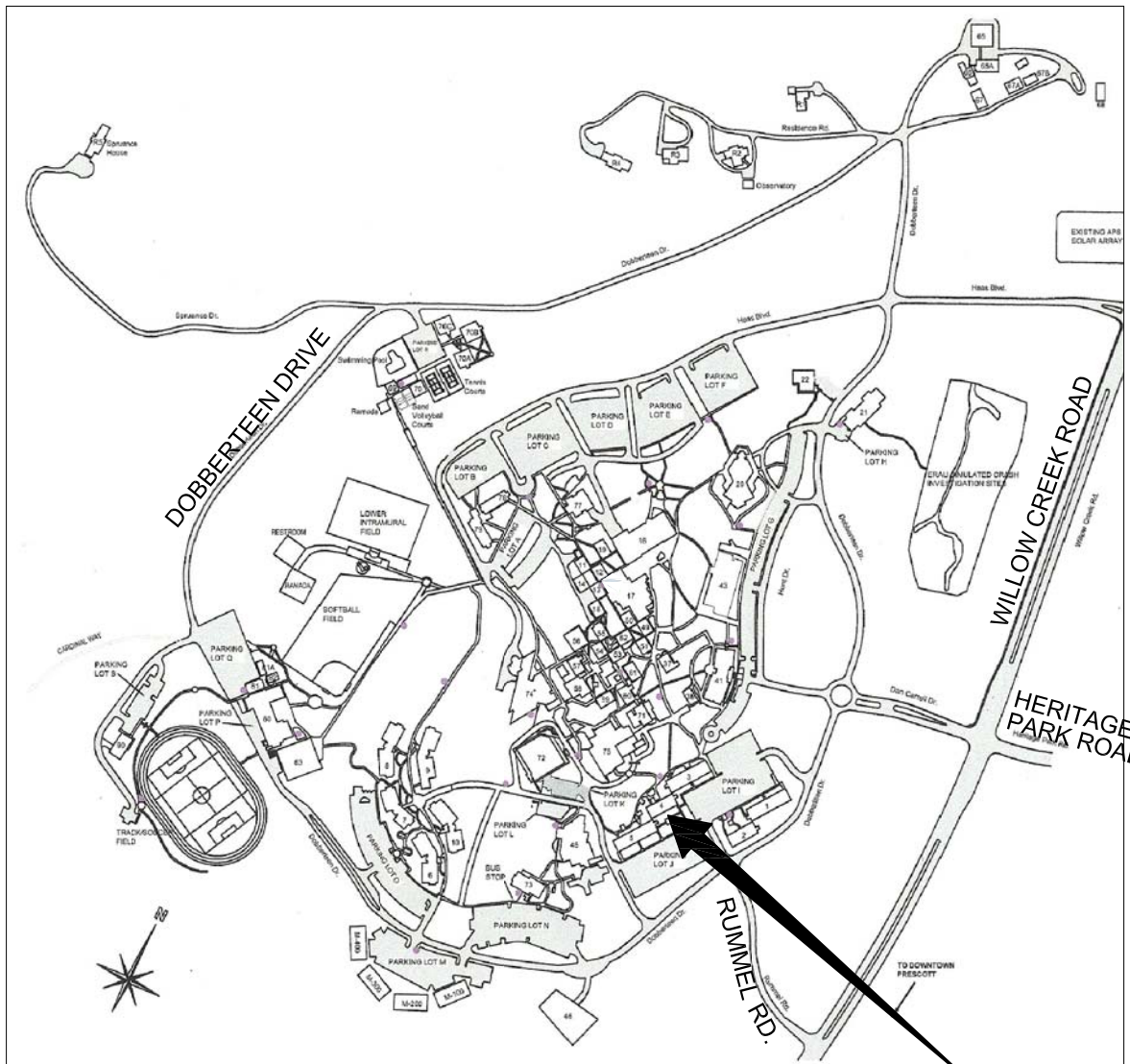


# Project Description

Embry-Riddle Aeronautical University intends to construct a stage with tiered seating in front of their existing Mingus Hall Residence #4 building. String and directional lighting above the stage area will be installed along with step lighting in the seating area. Electric outlets will also be provided along with any other electrical requirements.

# Site / Vicinity Map



This Project

# Graphic Standards

	NORTH ARROW INDICATOR		ELEVATION DESIGNATOR
	DETAIL DESIGNATOR		DESRIPTIVE NOTE DESIGNATOR
	BUILDING SECTION DESIGNATOR		ROOM NUMBER / FINISH DESIGNATOR
	REVISION DESIGNATOR		DOOR NUMBER DESIGNATOR
	TYPICALLY INDICATES EXISTING DOOR & FRAME TO BE REMOVED		DOOR TYPE DESIGNATOR
	TYPICALLY INDICATES EXISTING DOOR & FRAME TO REMAIN		WINDOW TYPE DESIGNATOR
			GRID LINE DESIGNATOR
			TYPICALLY INDICATES PROPOSED DOOR & FRAME - REFER TO DOOR SCHEDULE

# IMPROVEMENTS FOR EMBRY-RIDDLE Mingus Amphitheatre

# Project Information

<b>OWNER:</b>	Embry-Riddle Aeronautical University 3700 Willow Creek Road Prescott, AZ 86301	PH: 928-777-6600 FAX: 928-777-3950 CONTACT: Carl Beumer beumerc@erau.edu
<b>PREPARED BY:</b>	W. Alan Kenson & Associates, P.C. P.O. Box 11593 Prescott, AZ 86304	PH: 928-443-5812 FAX: 928-443-5815 CONTACT: Alan Kenson waka@cableone.net
<b>CONTRACTOR:</b>	To be determined	
<b>SCOPE OF WORK:</b>	Covered stage with tiered seating	
<b>PROJECT ADDRESS:</b>	3700 Willow Creek Road (in front of Building 4) Prescott, AZ 86301 (APN: 106-08-006)	
<b>ZONE:</b>	BG - PAD	
<b>OCCUPANCY:</b>	A-5 Assembly	
<b>CONSTRUCTION TYPE:</b>	N/A	
<b>RENOVATION AREA:</b>	Approximately 7500 S.F. of site renovation	

# Sheet Index

ARCHITECTURAL	
CS1	Cover Sheet
A1.0	Construction Access Plan
A2.0	Demolition plan
A3.0	Landscape Plan
A3.1	Landscape Details
A4.0	Grading and Drainage Plan
A5.0	Reference Plan
A6.0	Dimension Plan
A7.0	Sections and Column Detail
A8.0	Specifications
STRUCTURAL	
S1	Structural Notes
S2	Foundation & Framing Plan and Details
ELECTRICAL	
E1.0	Electrical One-Line Diagram, Symbols, Specs, Panel Schedule, Fixture Schedule and Notes
E1.1	Electrical Lighting and Power Plan



## Architect:

W. Alan Kenson & Associates, P.C.

P 928-443-5812 P.O. Box 11593  
F 928-443-5815 Prescott, AZ 86304

email: waka@cableone.net  
www.kenson-associates.com

ARCHITECTURE & PLANNING



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W. Alan Kenson & Associates, P.C.

P 928-443-5812  
F 928-443-5815

P.O. Box 11593  
Prescott, AZ 86304

email: waka@cableone.net  
www.kenson-associates.com

REGISTERED ARCHITECT  
WAKA

ARCHITECTURE & PLANNING

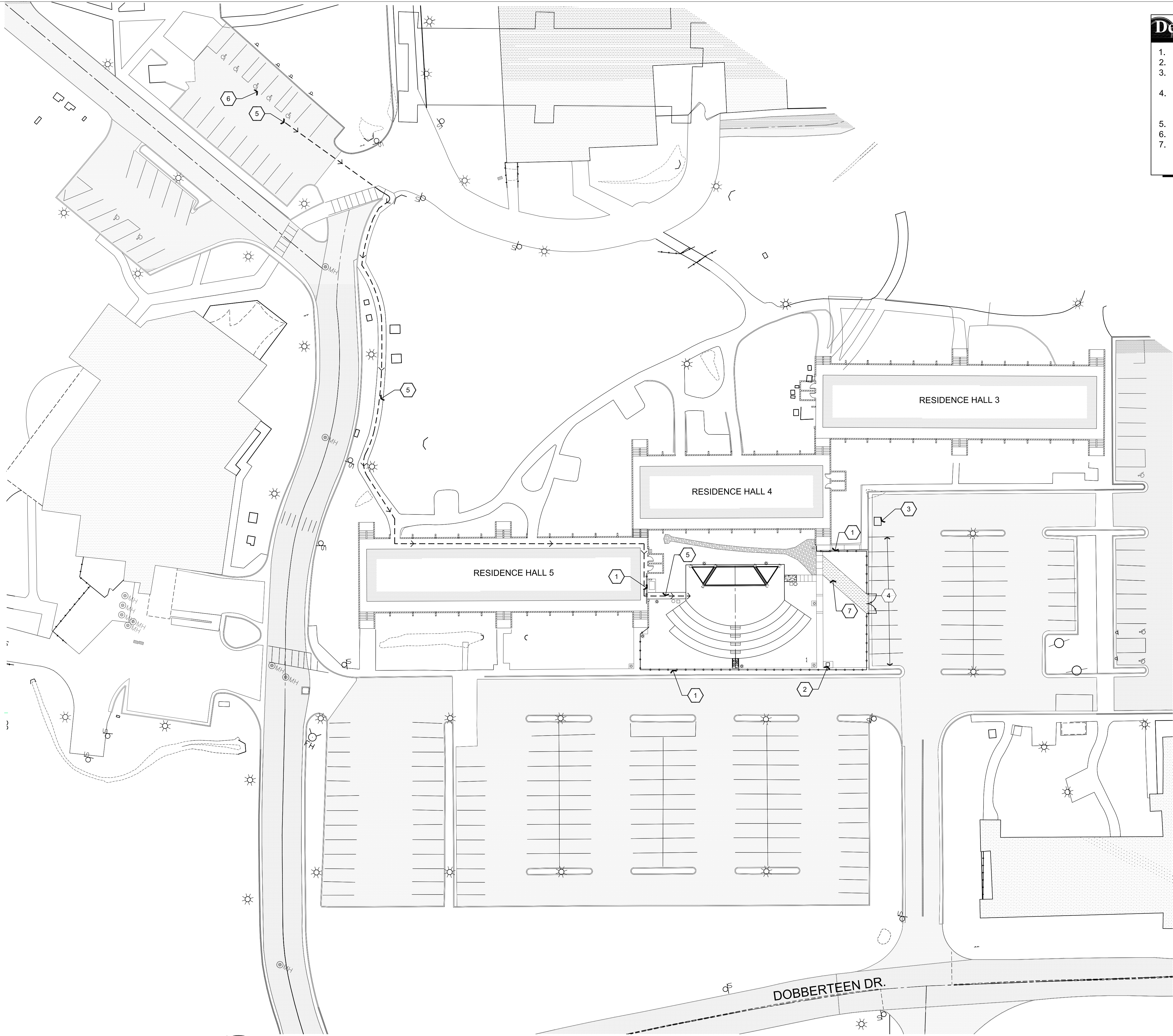
<b>DRAWING:</b>	Cover Sheet
<b>PROJECT:</b>	Mingus Amphitheatre 3700 Willowcreek Rd. Prescott, AZ 86301
<b>APN:</b>	106-08-006

DRAWN BY L.O.
CHECKED BY W.A.K.
DATE May 26, 2017
JOB NO. 701
SHEET

CS



May 26, 2017 - 3:31pm



**A1** Construction Access / Accessibility Plan

Scale: 1"=30'-0"



**Descriptive Keynotes**

1. 6' TALL TEMPORARY CHAIN LINK FENCING BY CONTRACTOR.
2. LOCATION FOR J-JON.
3. LOCATION OF 6 YARD TRASH DUMPSTER PROVIDED BY CONTRACTOR.
4. CONTRACTOR PARKING AREA. 9 SPACES AVAILABLE. CONTRACTOR TO PROVIDE SIGNAGE DESIGNATING SPACES FOR CONSTRUCTION PARKING.
5. ADA ACCESSIBLE ROUTE.
6. EXISTING ADA ACCESSIBLE PARKING.
7. TEMPORARY CONSTRUCTION ACCESS ROUTE FOR SMALL VEHICLES AND TRUCKS / TRAILERS. NO CONCRETE TRUCKS ALLOWED.

**General Notes**

1. CONTRACTOR WILL IN COORDINATION WITH ERAU, SHUT OFF UTILITIES INCLUDING GAS, WATER, SEWER, ELECTRIC, PHONE, DATA, COMMUNICATION, ROOF DRAINS, ETC.
2. WHEN REQUIRED DURING THE PERIOD OF DEMOLITION AND CONSTRUCTION, THE CONTRACTOR WILL PROVIDE TRAFFIC CONTROL FOR ALL CONSTRUCTION VEHICLES AND EQUIPMENT THAT WILL COME INTO CONFLICT WITH PUBLIC TRAFFIC.

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**W. Alan Kenson & Associates, P.C.**

P 928-443-5812 P.O. Box 11593  
F 928-443-5815 Prescott, AZ 86304  
email: waka@cableone.net  
www.kenson-associates.com

**ARCHITECTURE & PLANNING**

**DRAWING:** Construction Access Plan

**PROJECT:** Mingus Amphitheatre  
3700 Willowcreek Rd.  
Prescott, AZ 86301

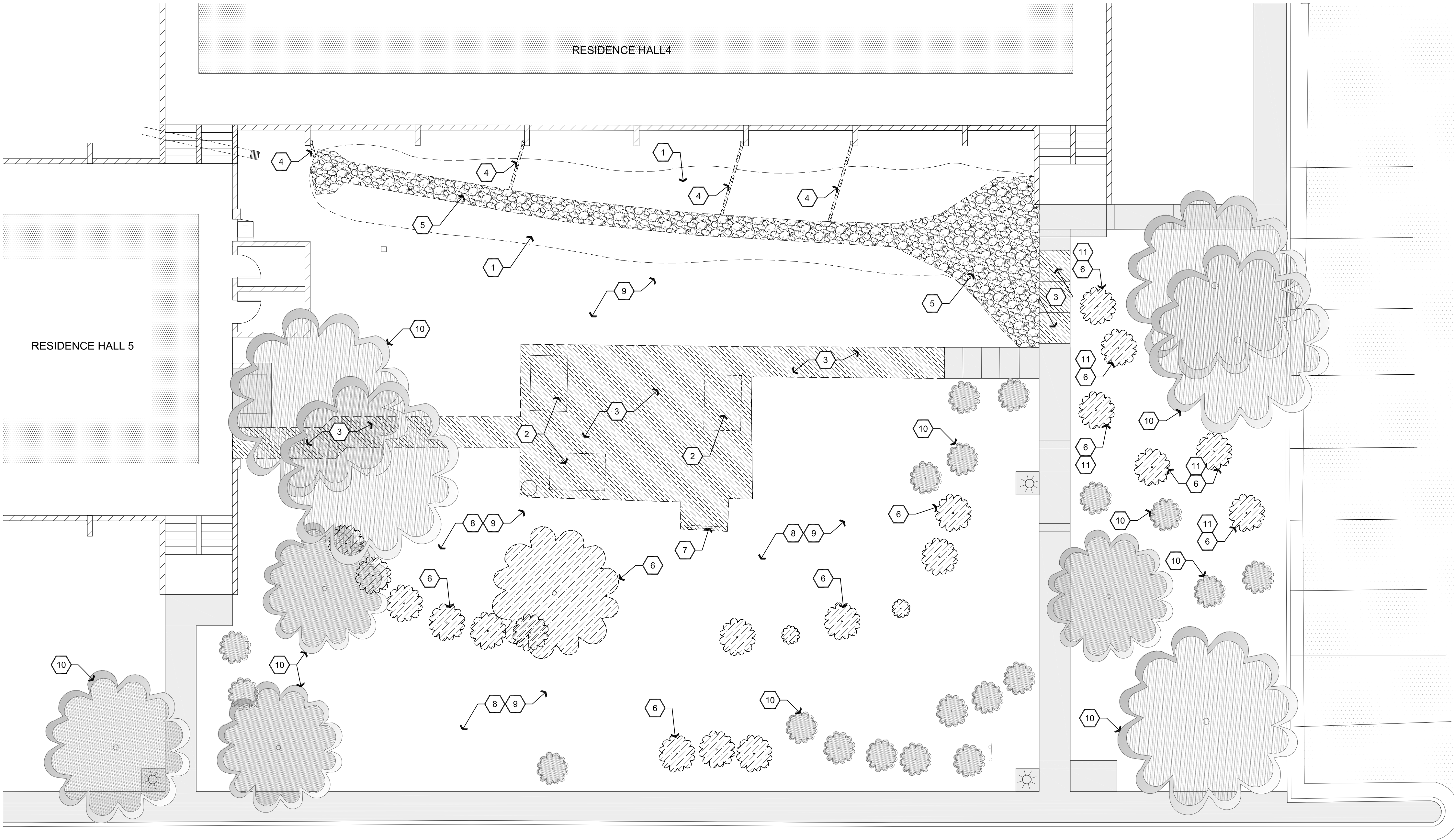
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DATE May 26, 2017
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**A1.0**



May 26, 2017 - 11:18am



**Demolition Plan**

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



**Descriptive Keynotes**

1. EXPAND SWALE AREA, REFER TO GRADING AND DRAINAGE PLAN.
2. CONTRACTOR TO REMOVE METAL PICNIC TABLES AND UMBRELLAS AND DELIVER TO ERAU STORAGE YARD.
3. CONTRACTOR TO REMOVE AND DISPOSE OF EXISTING CONCRETE.
4. REMOVE EXISTING BLACK FLEX FROM DOWNSPOUT TO WATER DETENTION AREA.
5. CONTRACTOR TO REMOVE SALT RIVER ROCK AND MOVE TO ERAU MAINTENANCE BIN STORAGE AREA.
6. CONTRACTOR TO REMOVE EXISTING TREE AND SHRUBS AND DISPOSE, TYPICAL.
7. CONTRACTOR TO REMOVE EXISTING BIKE RACK AND STORE IN ERAU WAREHOUSE.
8. CONTRACTOR TO REMOVE EXISTING FRACTURED ROCK AND STORE IN SWALE AREA SOUTH OF RESIDENCE HALL 4. ROCK IS TO BE REUSED AS NECESSARY IN SLOPED AREAS AND SWALE. IF ANY EXTRA ROCK IS LEFT OVER AT THE END OF THE PROJECT IT WILL BE MOVED TO ERAU MAINTENANCE BIN STORAGE AREA.
9. CONTRACTOR TO REMOVE EXISTING 1" LANDSCAPE GROUND COVER STONE AND STORE IN SWALE AREA SOUTH OF RESIDENCE HALL 4. ROCK IS TO BE REUSED AS NECESSARY. IF ANY EXTRA ROCK IS LEFT OVER AT THE END OF THE PROJECT IT WILL BE MOVED TO ERAU MAINTENANCE BIN STORAGE AREA.
10. EXISTING VEGETATION TO REMAIN, TYPICAL.
11. REMOVE IRRIGATION TO THESE PLANTS TEMPORARILY FOR TEMPORARY CONSTRUCTION ACCESS.

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**W. Alan Kenson & Associates, P.C.**

P 928-443-5812 P.O. Box 11593  
F 928-443-5815 Prescott, AZ 86304  
email: waka@cableone.net  
www.kenson-associates.com

**ARCHITECTURE & PLANNING**

**DRAWING:** Demolition Plan

**PROJECT:** Mingus Amphitheatre  
3700 Willowcreek Rd.  
Prescott, AZ 86301

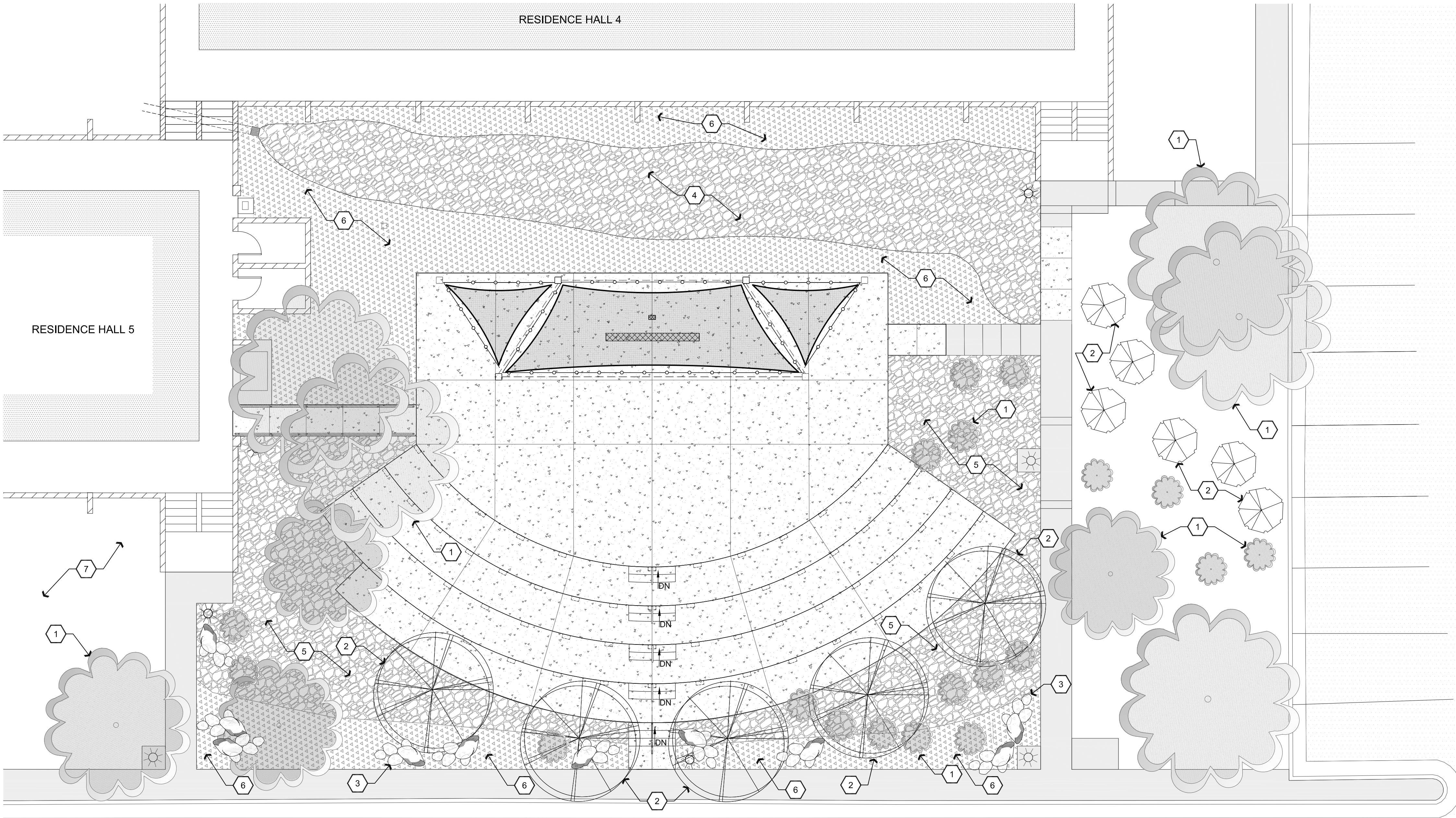
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**A2.0**



May 26, 2017 - 3:32pm



**NOTE:**

- CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE QUANTITY OF NEW FRACTURED ROCK AND 1" LANDSCAPE ROCK. IF ADDITIONAL ROCK IS REQUIRED IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE IT.

**AI Landscape Plan**

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



**Descriptive Keynotes**

- EXISTING PLANT TO REMAIN, TYPICAL.
- PROPOSED TREE, TYPICAL.
- PROPOSED LANDSCAPE BOULDERS, TYPICAL, REFER TO PLANT SCHEDULE.
- CONTRACTOR TO PLACE FRACTURED ROCK FROM THE EXISTING EMBANKMENT TO THE MODIFIED SWALE AREA WHERE THE SALT RIVER ROCK WAS REMOVED, REFER TO DEMOLITION PLAN.
- CONTRACTOR TO PLACE EXISTING / STORED FRACTURED ROCK ON EMBANKMENT AS REQUIRED, REFER TO DEMOLITION PLAN.
- CONTRACTOR TO PLACE EXISTING / STORED 1" LANDSCAPE ROCK IN THIS AREA AS REQUIRED, REFER TO DEMOLITION PLAN.
- NO LANDSCAPE WORK THIS AREA.

**Plant Schedule**

SYMBOL	SIZE	QUANTITY	NAME
	2' - 3'	10	BOULDER CLUSTER
	15 GAL	5	ARIZONA ASH
	5 GAL	6±	JUNIPER SHRUB TO MATCH EXISTING
			EXISTING TREE TO REMAIN
			EXISTING SHRUB TO REMAIN

- NOTES:**
- LANDSCAPE PLANTINGS SHALL BE WATERED VIA EXISTING DRIP IRRIGATION SYSTEM ON LANDSCAPE TIME CLOCK.
  - SPRAY ALL GROUND COVER AREAS W/ PRE-EMERGENT FOR WEED CONTROL.
  - PROVIDE WEED BARRIER IN ALL PLANTER AREAS.
  - REPAIR / REPLACE IRRIGATION SYSTEM WHERE REQUIRED.

**Legend**

- RELOCATED / NEW 1" LANDSCAPE ROCK
- RELOCATED / NEW FRACTURED ROCK
- NEW CONCRETE SIDEWALK / SLAB
- EXISTING SIDEWALK

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**W. Alan Kenson & Associates, P.C.**

P 928-443-5812 P.O. Box 11593  
F 928-443-5815 Prescott, AZ 86304  
email: waka@cableone.net

www.kenson-associates.com

**ARCHITECTURE & PLANNING**

**DRAWING:** Landscape Plan

**PROJECT:** Mingus Amphitheatre  
3700 Willowcreek Rd.  
Prescott, AZ 86301

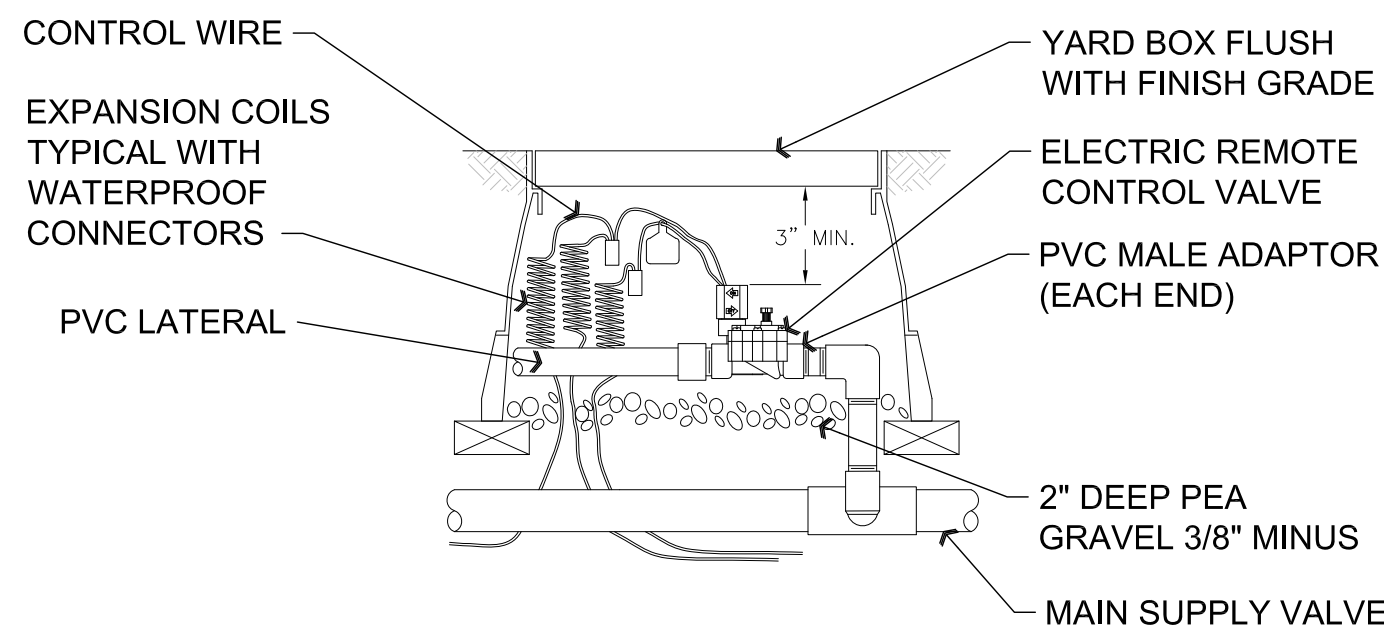
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**A3.0**

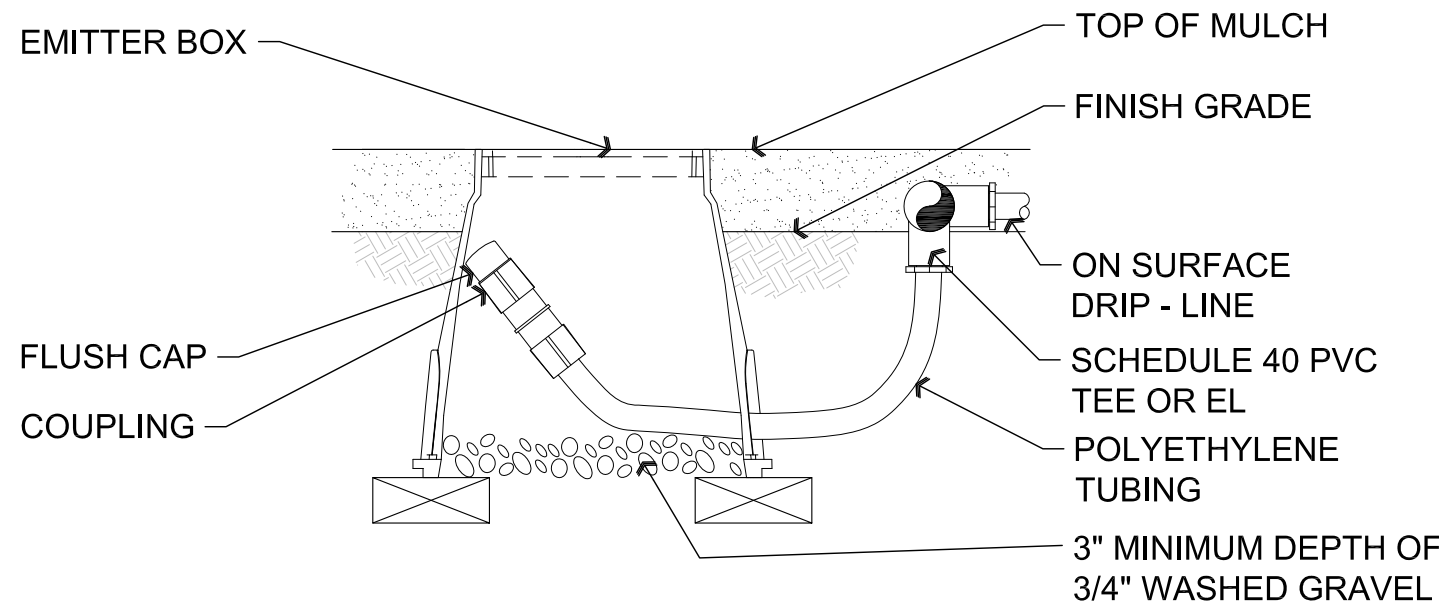


May 26, 2017 - 9:08am



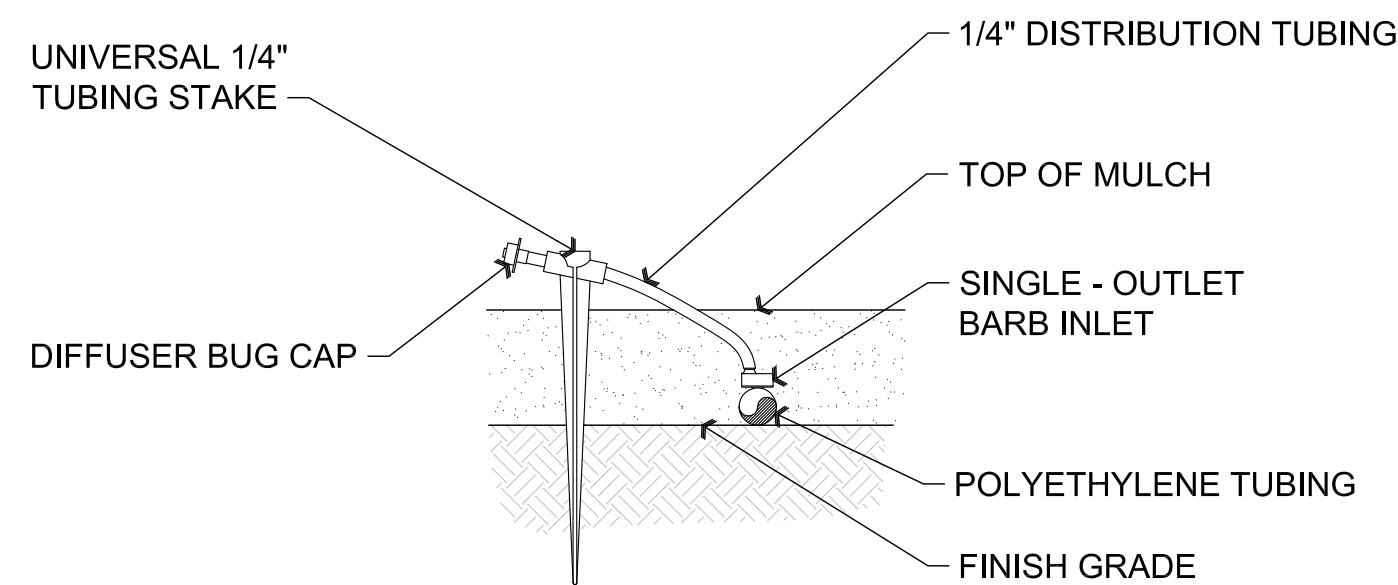
NOTE: SEAL ALL THREADED JOINTS / FITTINGS WITH APPROVED SEALANT PRIOR TO ASSEMBLY

**A4** Typical Electric Remote Control Valve



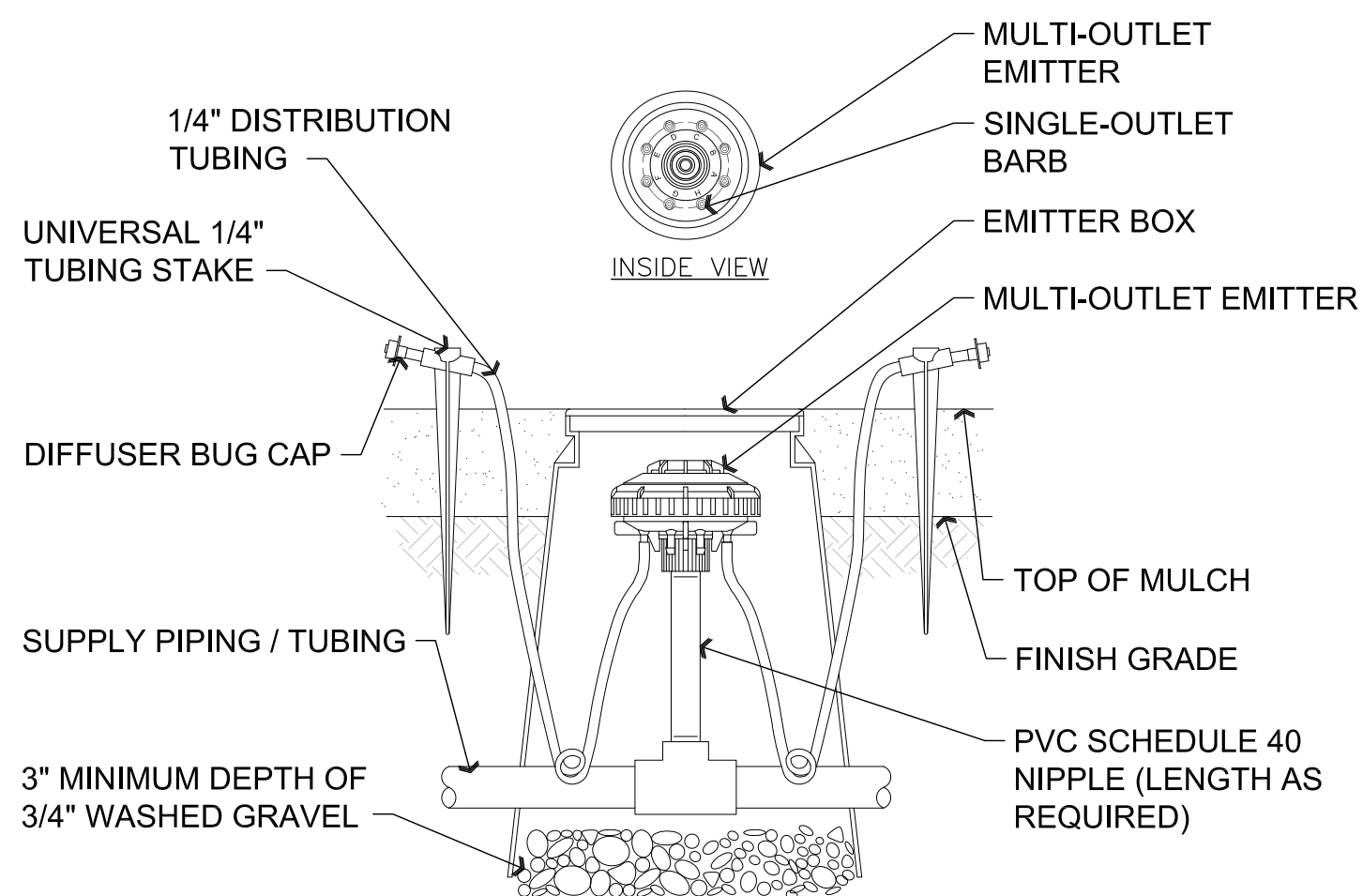
NOTE: ALLOW A MINIMUM 6" OF DRIP - LINE TUBING IN VALVE BOX IN ORDER TO DIRECT FLUSHED WATER OUTSIDE VALVE BOX.

**B4** Typical Drip Line Flush Box



NOTE: FOR SLOPED CONDITIONS PLACE DISTRIBUTION POINT AT THE HIGH POINT OF THE PLANTING WELL.

**B3** Typical Single - Port Emitter

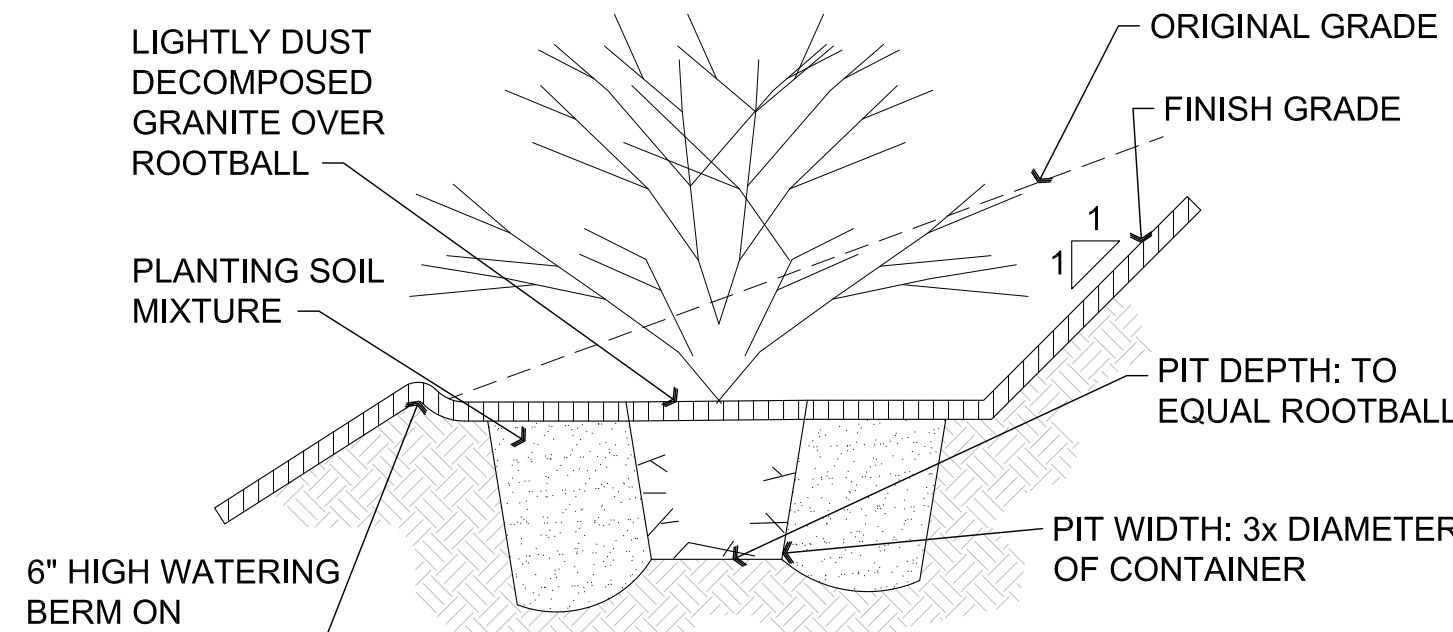


NOTE: COIL ADDITIONAL 9" OF TUBING IN EMITTER BOX TO FACILITATE MAINTENANCE.

INSTALL A MINIMUM OF (1) MULTI-PORT EMITTER PER TREE - EQUALLY SPACED AROUND DRIP LINE OF TREE CANOPY TYPICAL. OPEN ADDITIONAL PORTS AND INSTALL SPAGHETTI DISTRIBUTION TUBING TO PROVIDE ADEQUATE WATER AS TREE MATURES, (TYP.)

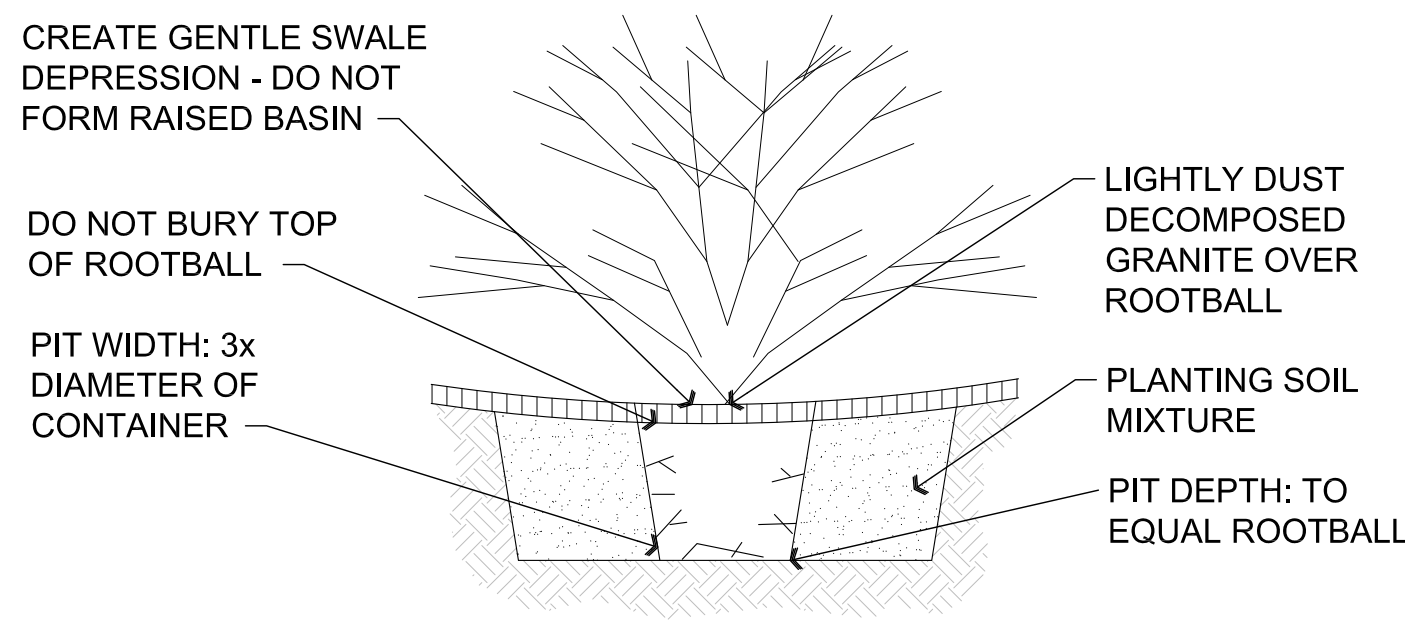
FOR SLOPED CONDITIONS PLACE DISTRIBUTION POINT AT THE HIGH POINT OF PLANTING WELL.

**B1** Typical Multi - Port Emitter



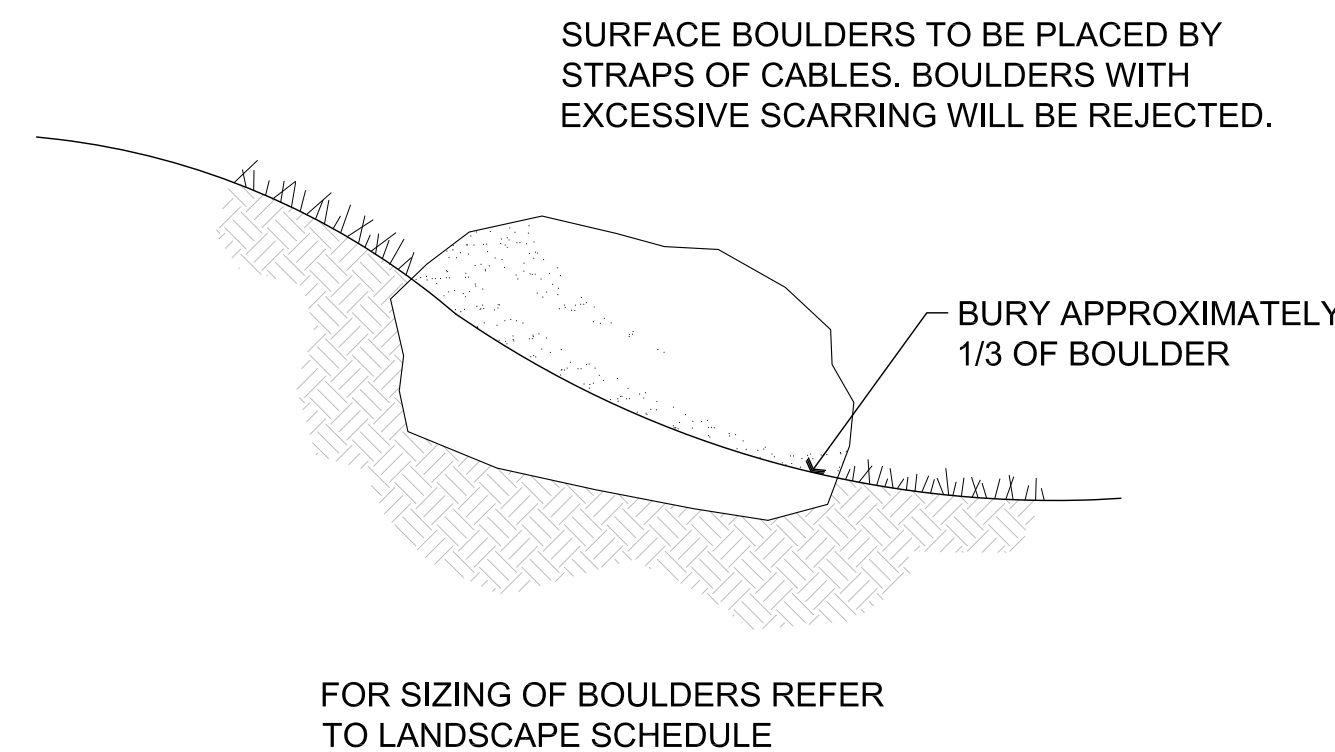
PLANTS SHALL BE INSPECTED FOR ROOTBOUND CONDITIONS BEFORE PLANTING. ANY ROOTBOUND PLANT SHALL BE REPLACED WITH SUITABLE PLANT.

**C4** Typical Shrub Planting on Slope

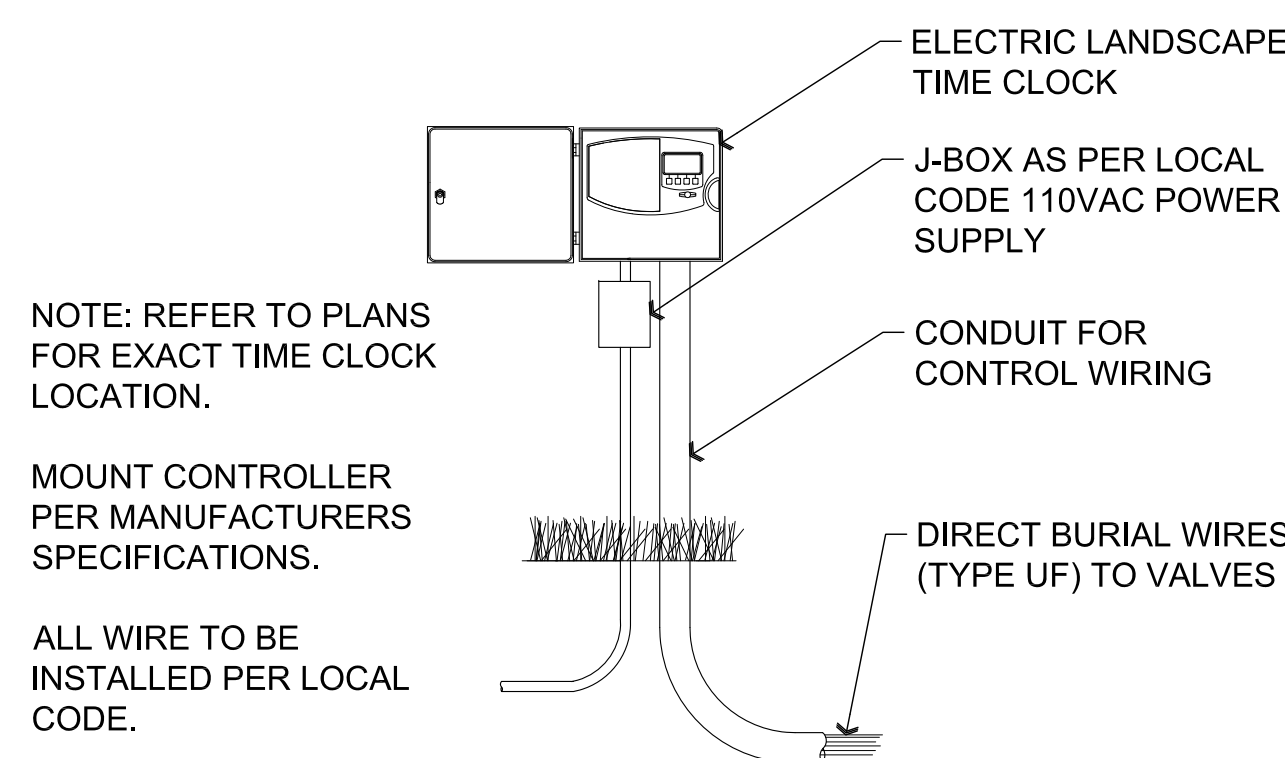


PLANTS SHALL BE INSPECTED FOR ROOTBOUND CONDITIONS BEFORE PLANTING. ANY ROOTBOUND PLANT SHALL BE REPLACED WITH SUITABLE PLANT.

**C3** Typical Shrub Planting



**C2** Typical Boulder Detail

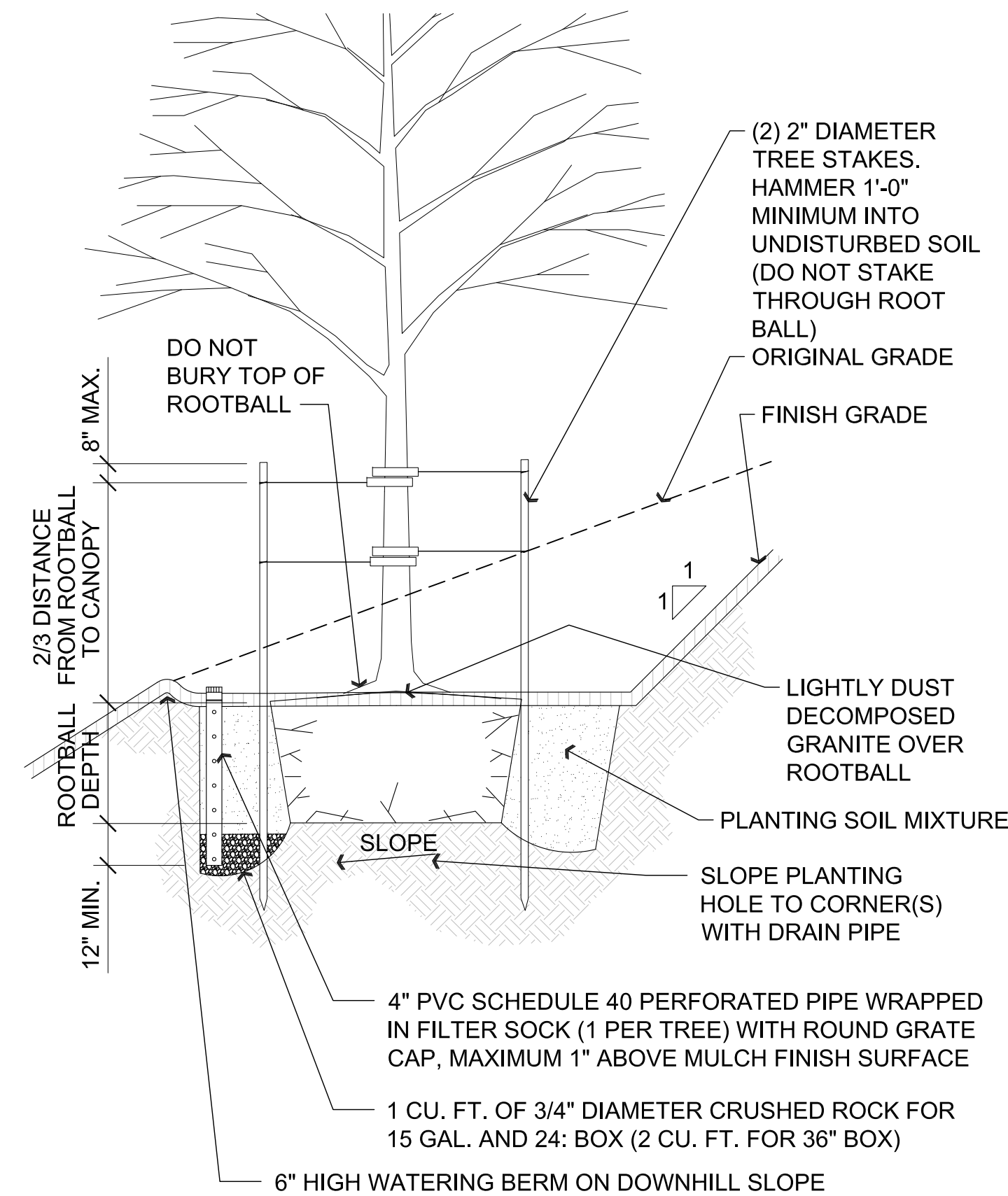


NOTE: REFER TO PLANS FOR EXACT TIME CLOCK LOCATION.

MOUNT CONTROLLER PER MANUFACTURERS SPECIFICATIONS.

ALL WIRE TO BE INSTALLED PER LOCAL CODE.

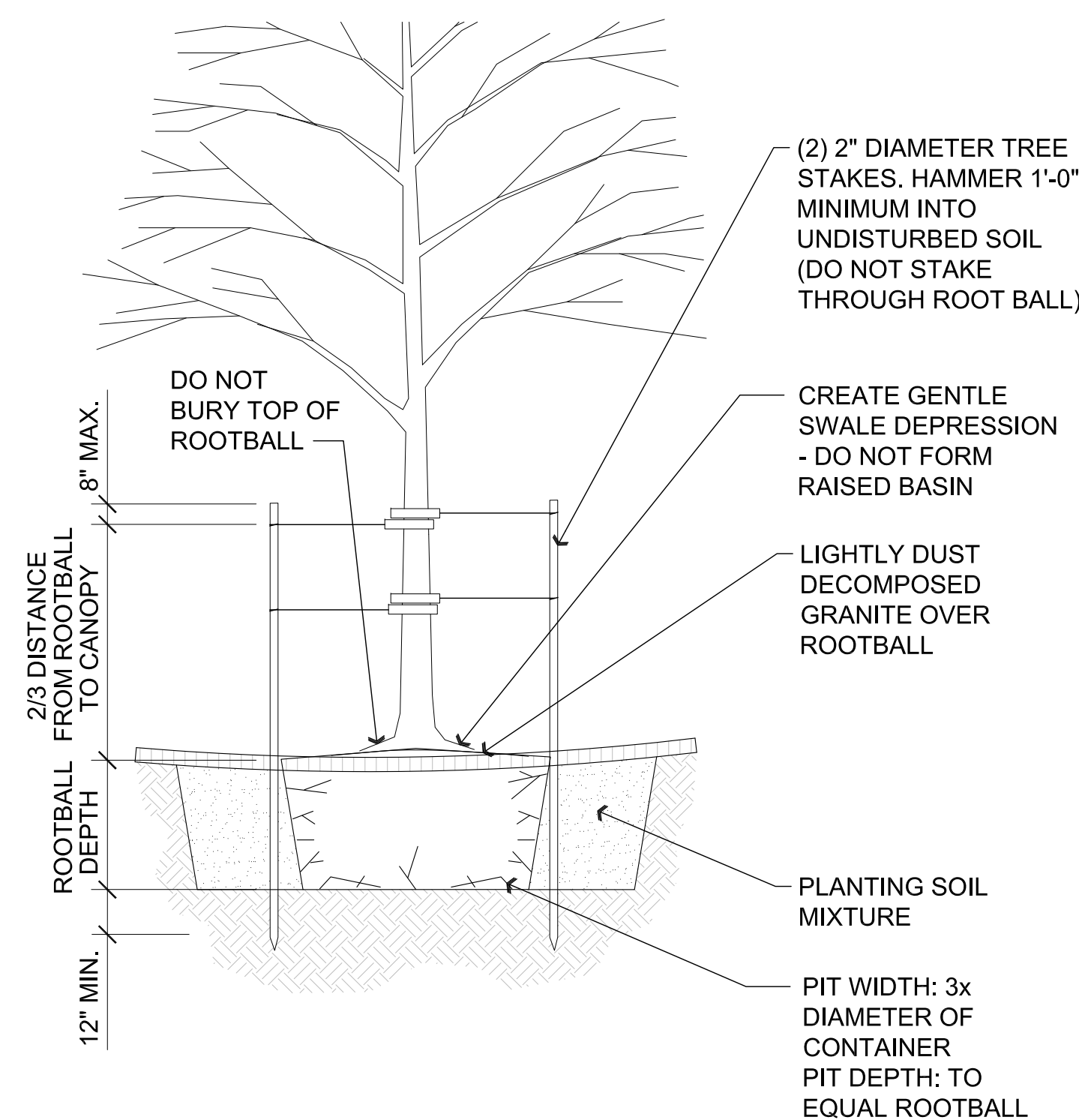
**C1** Typical Electric Landscape Time Clock



NOTE: STAKE TREE PERPENDICULAR TO DIRECTION OF PREVAILING WIND.

PLANTS SHALL BE INSPECTED FOR ROOTBOUND CONDITIONS BEFORE PLANTING. ANY ROOTBOUND PLANT SHALL BE REPLACED WITH SUITABLE PLANT.

**D3** Typical Tree Planting on Slope



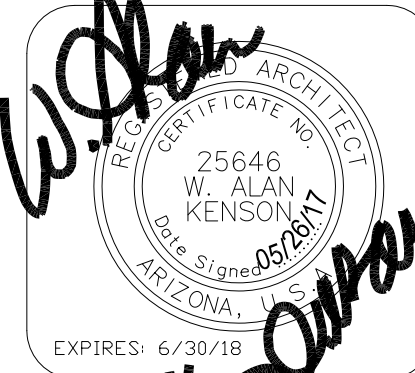
NOTE: STAKE TREE PERPENDICULAR TO DIRECTION OF PREVAILING WIND.

PLANTS SHALL BE INSPECTED FOR ROOTBOUND CONDITIONS BEFORE PLANTING. ANY ROOTBOUND PLANT SHALL BE REPLACED WITH SUITABLE PLANT.

**D1** Typical Tree Planting

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**W. Alan Kenson & Associates, P.C.**

P 928-443-5812  
F 928-443-5815  
P.O. Box 11593  
Prescott, AZ 86304

email: [waka@cableone.net](mailto:waka@cableone.net)

[www.kenson-associates.com](http://www.kenson-associates.com)

**ARCHITECTURE & PLANNING**

**DRAWING:** LANDSCAPE DETAILS

**PROJECT:** Mingus Amphitheatre  
3700 Willowcreek Rd.  
Prescott, AZ 86301

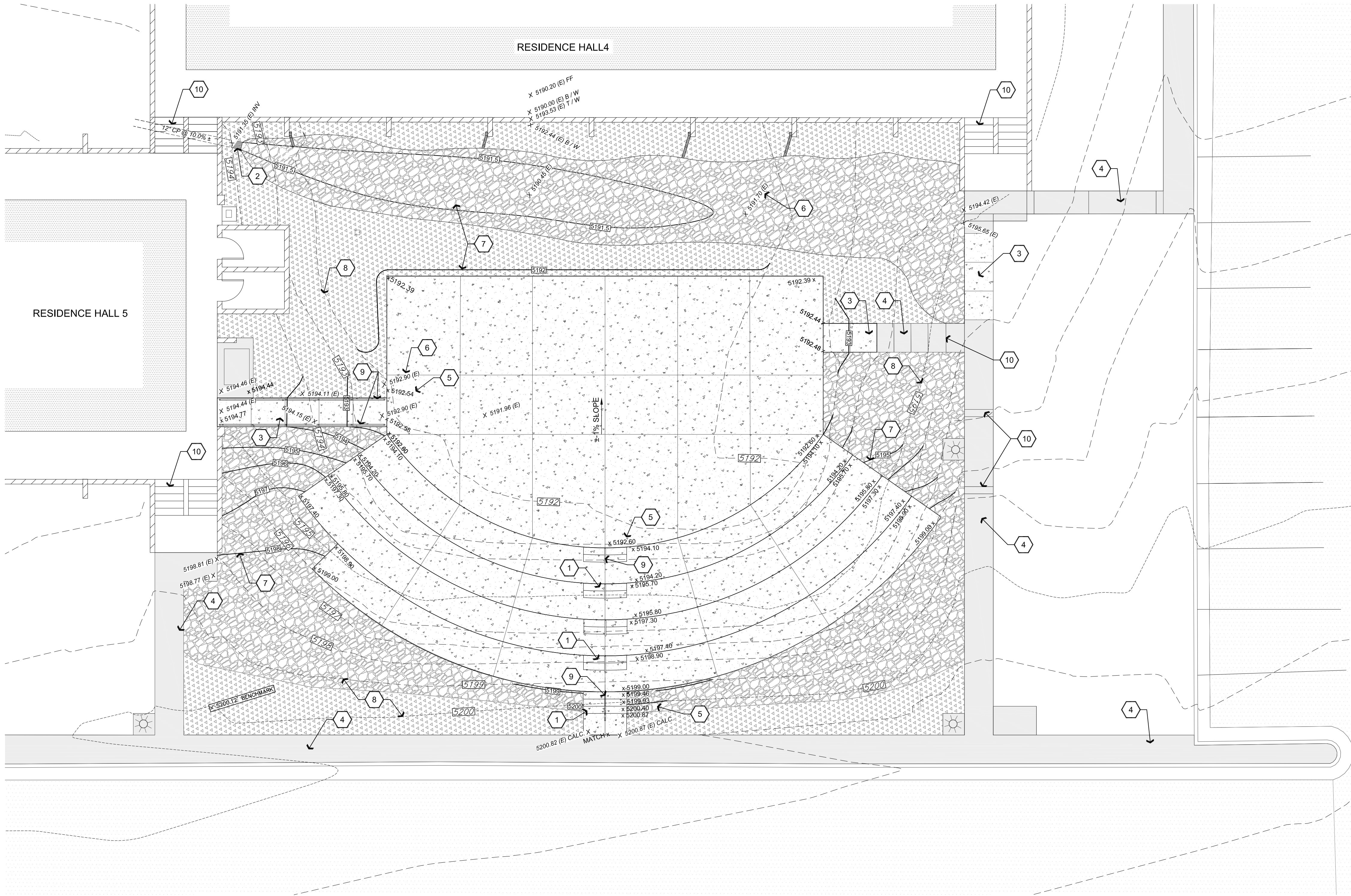
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**A3.1**



May 26, 2017 - 12:05pm



**Grading and Drainage Plan**

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



**Descriptive Keynotes**

1. TYPICALLY INDICATES ±6" CONCRETE RISERS, VERIFY IN FIELD.
2. EXISTING METAL GRATE AT PIPE INLET.
3. PROVIDE NEW CONCRETE SIDEWALK, REFER TO REFERENCE PLAN.
4. EXISTING CONCRETE SIDEWALK.
5. TYPICALLY INDICATES NEW SPOT ELEVATION.
6. TYPICALLY INDICATES EXISTING SPOT ELEVATION.
7. TYPICALLY INDICATES NEW CONTOUR.
8. TYPICALLY INDICATES EXISTING CONTOUR.
9. HANDRAIL, REFER TO SECTIONS SHEET A7.0.
10. EXISTING CONCRETE STEPS / RISERS.

**Legend**

- RELOCATED / NEW 1" LANDSCAPE STONE
- RELOCATED / NEW FRACTURED ROCK
- PROPOSED CONCRETE SIDEWALK / SLAB
- EXISTING SIDEWALK
- EXISTING CONTOUR
- PROPOSED CONTOUR

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*W. Alan Kenson*  
25646  
W. ALAN  
KENSION  
Architect  
ARIZONA, U.S.A.  
EXPIRES: 6/30/18

**W. Alan Kenson & Associates, P.C.**

P 928-443-5812 P.O. Box 11593  
F 928-443-5815 Prescott, AZ 86304  
email: waka@cableone.net  
www.kenson-associates.com

**ARCHITECTURE & PLANNING**

**DRAWING:** Grading and Drainage Plan

**PROJECT:** Mingus Amphitheatre  
3700 Willowcreek Rd.  
Prescott, AZ 86301

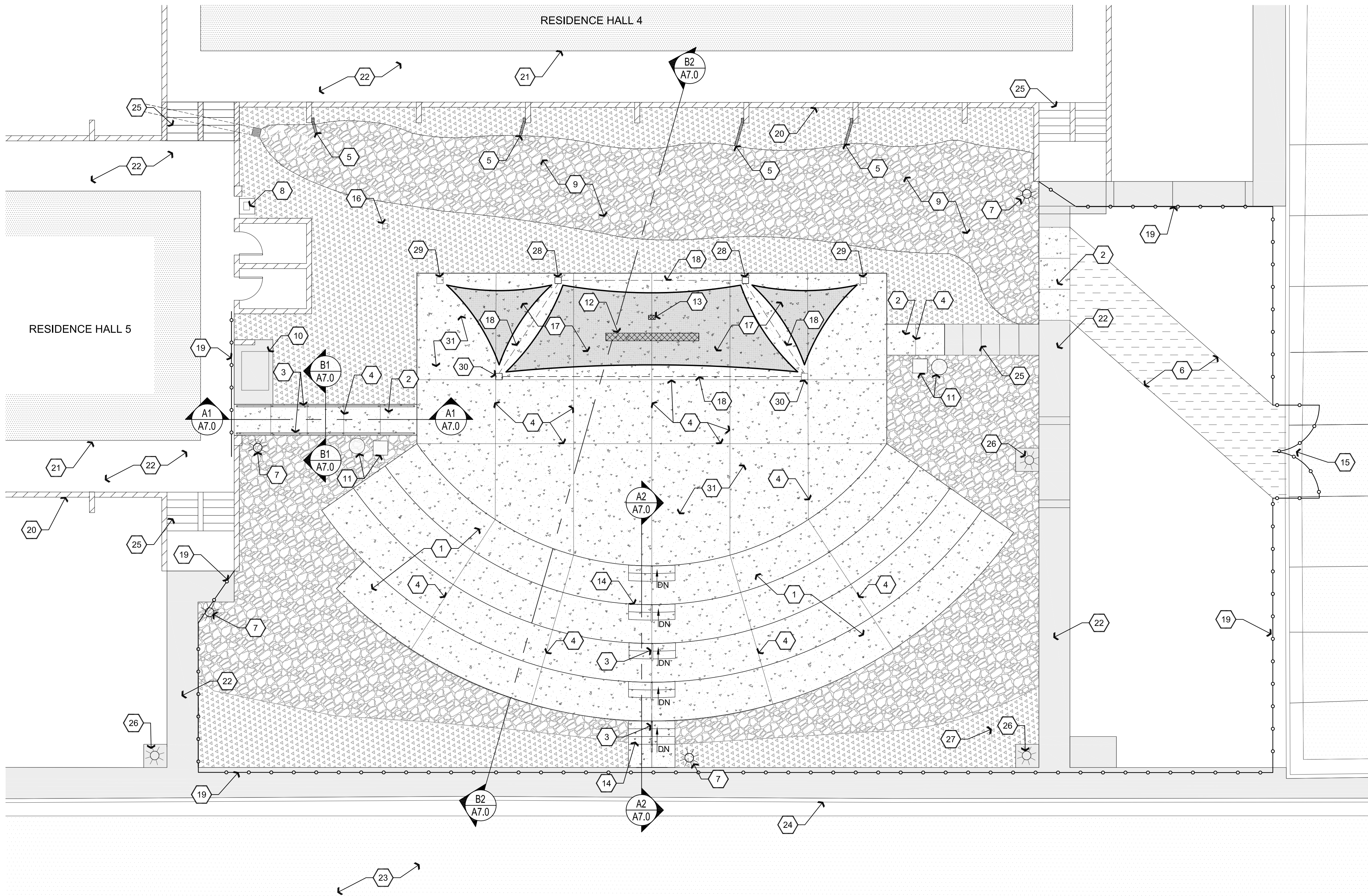
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**A4.0**



May 26, 2017 - 8:11am



**A1** Reference Plan

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



## Descriptive Keynotes

1. PROVIDE CONCRETE TERRACE SEATING CONSISTING OF 4" CONCRETE W/ #3 @ 2'-0" O.C. EACH WAY OVER 4" COMPACTED ABC, REFER TO STRUCTURAL PLANS.
2. PROVIDE 4" CONCRETE SIDEWALK W/ #3 @ 2'-0" O.C. EACH WAY OVER 4" COMPACTED ABC. PROVIDE 8" TURNDOWN AT EDGE.
3. PROVIDE HANDRAIL, REFER TO SHEET A7.0.
4. PROVIDE TOOLED CONCRETE CONTROL JOINT, TYPICAL.
5. PROVIDE SDR 35 PVC PIPE FROM DOWNSPOUT TO WATER DETENTION AREA WITH APPROPRIATE FITTINGS.
6. TEMPORARY CONSTRUCTION ACCESS DRIVE.
7. PROVIDE CONCRETE LIGHT BASE FOR BOLLARD LIGHT AS RECOMMENDED BY LIGHT MANUFACTURER.
8. EXISTING PAY TELEPHONE TO REMAIN.
9. SWALE AREA, REFER TO LANDSCAPE AND GRADING PLANS.
10. EXISTING ELECTRICAL TRANSFORMER.
11. CONTRACTOR SHALL INSTALL TRASH AND RECYCLE CONTAINER PROVIDED BY OWNER.
12. LOCATION FOR PORTABLE INFLATABLE PROJECTION SCREEN PROVIDED BY ERAU.
13. LOCATION FOR REAR PROJECTOR PROVIDED AND INSTALLED BY ERAU.
14. PROVIDE CONCRETE STAIRS, REFER TO SHEET A7.0.
15. CONSTRUCTION ACCESS POINT.
16. EXISTING TELEPHONE CLOSURE TO REMAIN.
17. PROVIDE AND INSTALL SHADE CLOTH PER MANUFACTURERS REQUIREMENTS. LARGE SHADE COLOR TO BE BLUE AND 2 SMALL SHADES TO BE YELLOW. SHADE CLOTH SHALL BE 'MONOTEC 370 SHADE CLOTH'.
18. PROVIDE TRUSS FRAMEWORK FOR SHADE, REFER TO STRUCTURAL PLANS.
19. CONTRACTOR TO PROVIDE TEMPORARY 6' TALL CHAIN LINK FENCE. PROVIDE SIGNAGE AROUND ALL SIDES OF FENCING THAT STATES "DANGER CONSTRUCTION AREA AUTHORIZED PERSONNEL ONLY" AND "HARD HAT AREA". IN ADDITION PROVIDE SIGNAGE DIRECTING PEDESTRIAN TRAFFIC AROUND THE AREA.
20. EXISTING CMU RETAINING WALL.
21. EXISTING BUILDING.
22. EXISTING CONCRETE WALKWAY.
23. EXISTING ASPHALT PARKING LOT.
24. EXISTING CONCRETE CURB.
25. EXISTING CONCRETE STAIRS.
26. EXISTING BOLLARD LIGHT.
27. EXISTING SIGNAGE.
28. PROVIDE 12' TALL STEEL COLUMNS, REFER TO STRUCTURAL PLANS.
29. PROVIDE 10' TALL STEEL COLUMNS, REFER TO STRUCTURAL PLANS.
30. PROVIDE 15' TALL STEEL COLUMNS, REFER TO STRUCTURAL PLANS.
31. PROVIDE 4" CONCRETE SLAB W/ #3 @ 2'-0" O.C. EACH WAY OVER 4" COMPACTED ABC.

NOTE: SEATING CAPACITY IS 215

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**W. Alan Kenson & Associates, P.C.**

P 928-443-5812 P.O. Box 11593  
F 928-443-5815 Prescott, AZ 86304  
email: waka@cableone.net

www.kenson-associates.com

**ARCHITECTURE & PLANNING**

**DRAWING:** Reference Plan, Site Sections and Detail

**PROJECT:** Mingus Amphitheatre  
3700 Willowcreek Rd.  
Prescott, AZ 86301

**APN:** 106-08-006

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**A5.0**





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F 928-443-5815 Prescott, AZ 86304

email: [waka@cableone.net](mailto:waka@cableone.net)  
[www.kenson-associates.com](http://www.kenson-associates.com)

**ARCHITECTURE & PLANNING**  
**www.kenson-associates.com**

**DRAWING:** Dimension Plan

**PROJECT:**

Mingus Amphitheatre  
3700 Willowcreek Rd.  
Prescott, AZ 86301

**APN:**

106-08-006

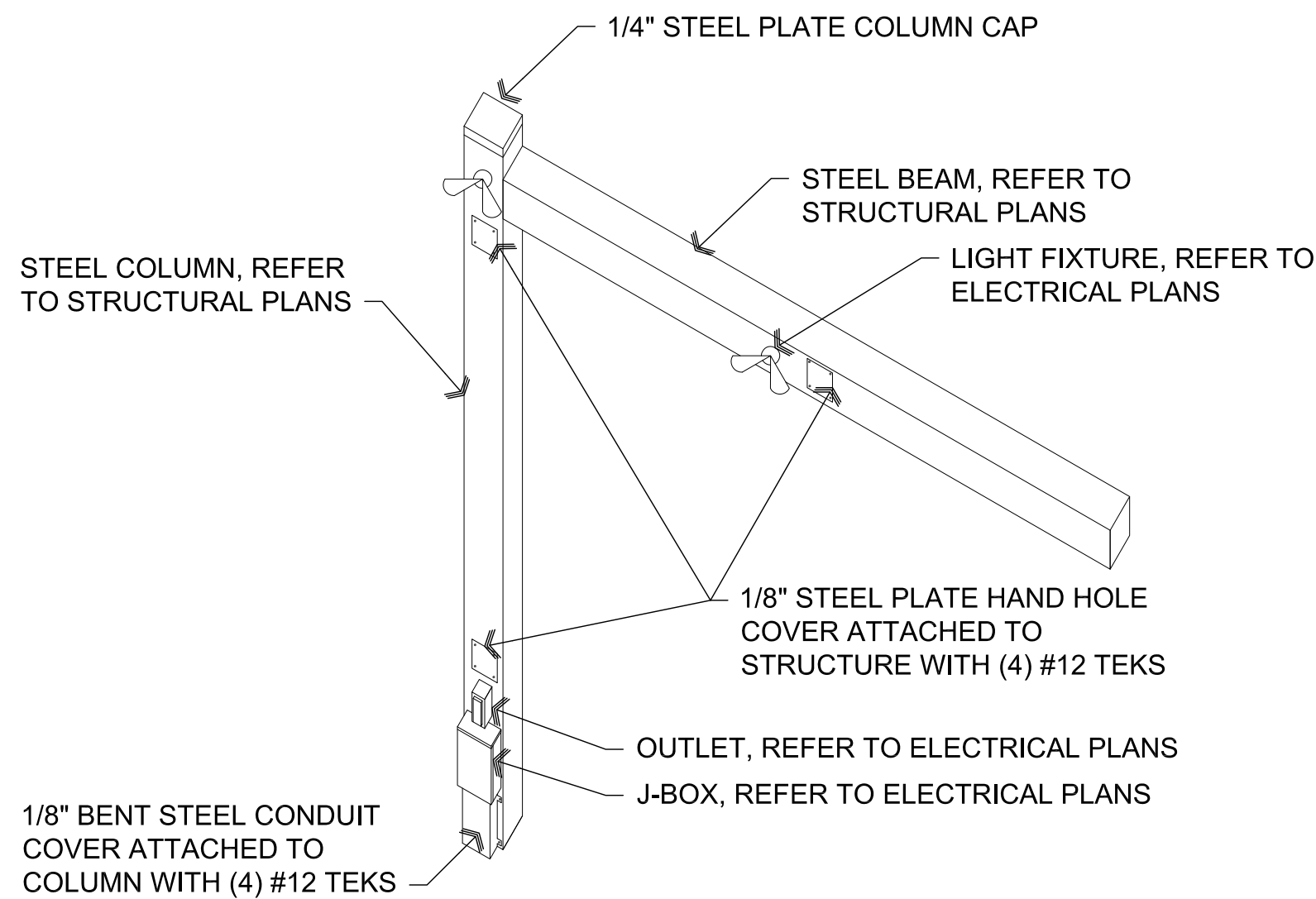
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CHECKED BY  
W.A.K.  
DATE  
May 26, 2017

JOB NO  
**701**  
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## A6.0

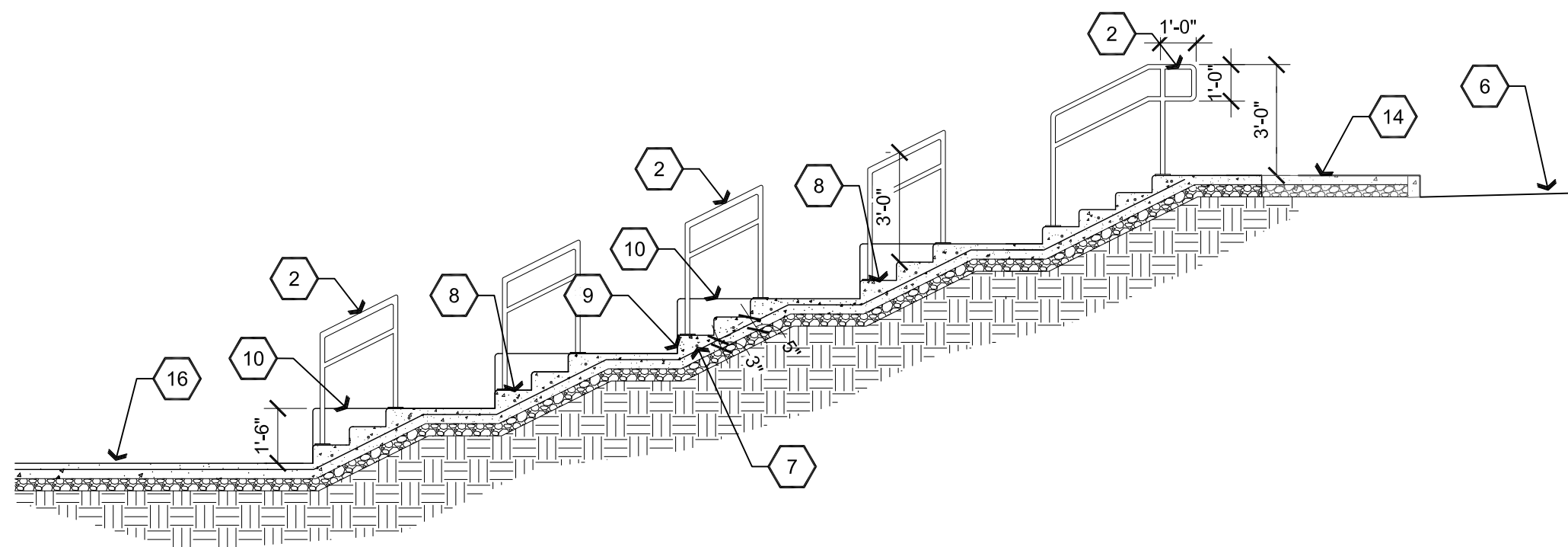


May 26, 2017 - 8:11am



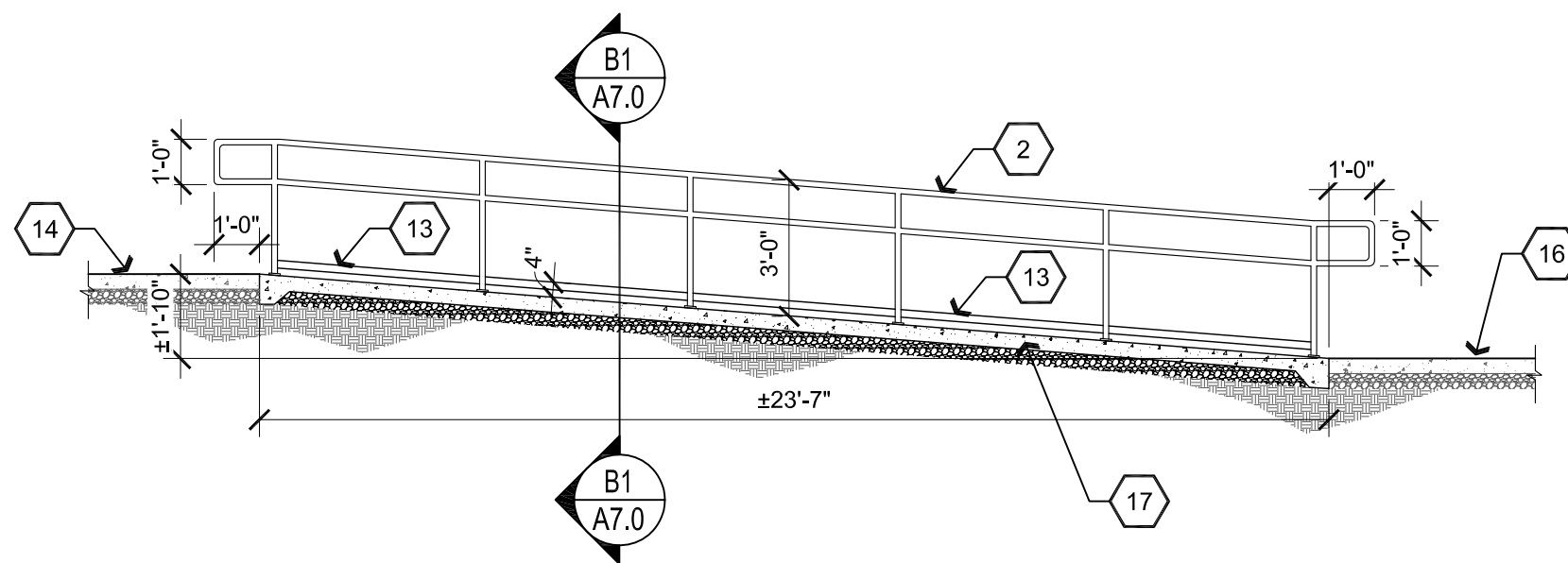
**A3** Column / Beam Detail

Scale: N.T.S.



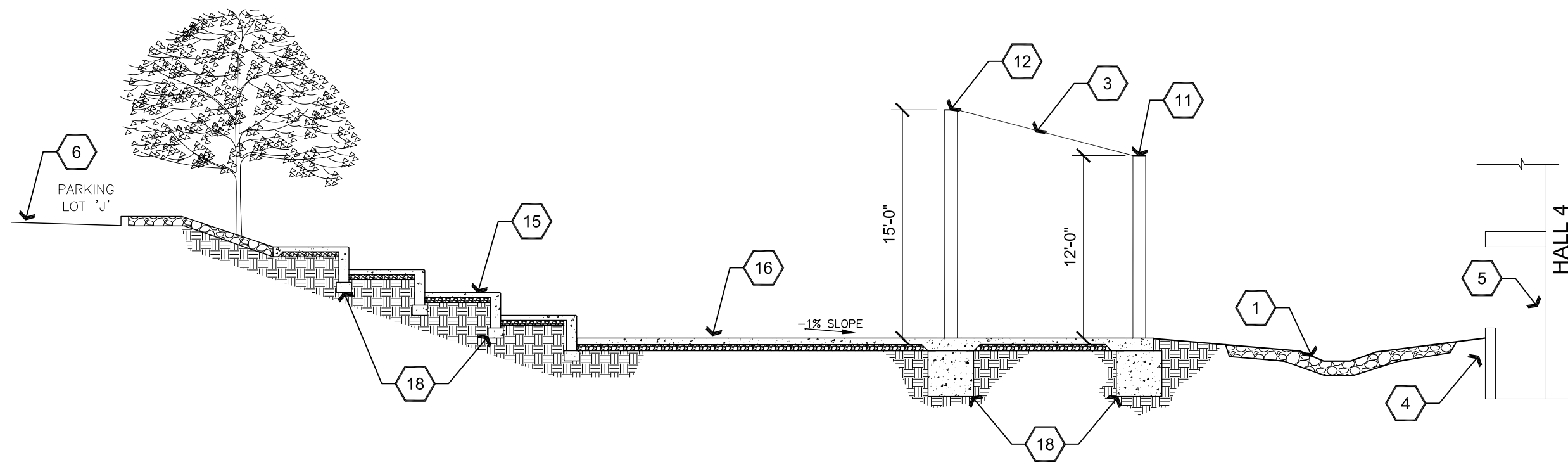
**A2** Stair Section

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



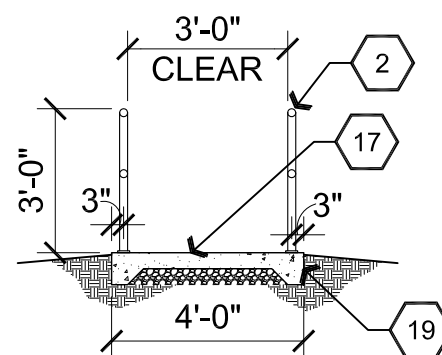
**A1** Section / Elevation

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



**B2** Site Section

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



**B1** Section

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

**Descriptive Keynotes**

1. SWALE AREA, REFER TO LANDSCAPE PLAN AND GRADING AND DRAINAGE PLAN.
2. 1-1/2" DIA. SCHEDULE 40 PAINTED METAL HANDRAIL, TYPICAL.
3. PROVIDE AND INSTALL SHADE CLOTH, REFER TO REFERENCE PLAN.
4. EXISTING CMU RETAINING WALL.
5. EXISTING BUILDING.
6. EXISTING ASPHALT PARKING LOT.
7. #3 AT 12" O.C. EACH WAY AT CONCRETE STAIRS.
8. 12" TREADS.
9. 6" RISERS, VERIFY IN FIELD.
10. CONCRETE SEATING BEYOND.
11. PROVIDE 12' TALL STEEL SHADE CLOTH COLUMN, REFER TO STRUCTURAL PLANS.
12. PROVIDE 15' TALL STEEL SHADE CLOTH COLUMN, REFER TO STRUCTURAL PLANS.
13. PROVIDE 1/4"x4" METAL STRAP WELDED TO 1 1/2" DIAMETER METAL HANDRAIL POST, TYPICAL.
14. EXISTING SIDEWALK.
15. CONCRETE SEATING, REFER TO REFERENCE PLAN AND STRUCTURAL PLANS.
16. CONCRETE SLAB, REFER TO REFERENCE PLAN.
17. CONCRETE SIDEWALK, REFER TO REFERENCE PLAN.
18. CONCRETE FOOTING REFER TO STRUCTURAL PLANS.
19. PROVIDE 8" CONCRETE TURNDOWN.

REVISIONS	BY

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**W. Alan Kenson & Associates, P.C.**

P 928-443-5812 P.O. Box 11593  
F 928-443-5815 Prescott, AZ 86304

email: waka@cableone.net

www.kenson-associates.com

**ARCHITECTURE & PLANNING**

**DRAWING:** Sections and Column detail

**PROJECT:** Mingus Amphitheatre  
3700 Willowcreek Rd.  
Prescott, AZ 86301

**APN:** 106-08-006

DRAWN BY L.O.
CHECKED BY W.A.K.
DATE May 26, 2017
JOB NO. 701
SHEET

**A7.0**



00 - PROCUREMENT AND CONSTRUCTION REQUIREMENTS		Conflicts		If Contractor discovers an existing condition which differs from that shown (or is not shown), Contractor shall immediately notify the Architect.	
00 70 00 - GENERAL CONDITIONS					
	General Conditions of the Contract for Construction, AIA Document A201, 2007 Edition, is made a part of the Construction Documents by reference. A copy of the referenced document is available for inspection at the office of the Architect.	Cutting and Demolition	In all cases, exercise extreme care in cutting operations and perform such operations under adequate supervision by competent mechanics skilled in the applicable trade. Openings shall be neatly cut and shall be kept as small as possible to avoid unnecessary damage, careless and/or avoidable cutting damage, etc. will not be tolerated and the contractor will be held responsible for such avoidable or willful damage.		
01 - GENERAL REQUIREMENTS					
01 30 00 - ADMINISTRATIVE REQUIREMENTS					
Shop Drawings	One (1) paper copy of Shop Drawings and/or Catalog Cut Sheets and one (1) electronic file are to be submitted to the Architect for review and approval. The Architect will review the shop drawings and affix a stamp to the electronic file, indicating the findings of the review and return to the Contractor. The Contractor shall correct and resubmit as necessary. Required for all products and samples and materials to be included in the project.	Patching and Refinishing	All replacing, patching and repairing of materials and surfaces cut or damaged in the execution of the work shall be performed by experienced mechanics of the specific trades involved. Such repairing and/or patching shall be done with the applicable materials in a manner that all surfaces so replaced, etc. will, upon completion of the work, match the surrounding similar surfaces.		
Meetings	Contractor shall hold construction progress meetings at jobsite every week. Representatives from owner, architect, contractor, and any relative subcontractor or suppliers shall attend. Contractor shall take minutes of the meetings and distribute to all attendees.	Locations	Walls - paint all affected walls, interior and exterior from corner to corner, (e.g. if you install a door in an existing frame, you need only to paint the door and frame, but if you install a door and frame, paint the entire wall to match existing) Gypsum wall board ceilings - Paint the entire ceiling of the room affected, (e.g. if anything is installed in/on/through the ceiling of a room, paint the ceiling of that room) Roofs - Replace portion of roof covering as required to flash new assembly. If roof warranty is still in effect, Contractor issuing warranty shall perform the required work. All patching and refinishing will be performed in a manner such that at the completion of the work, it shall not be obvious where an item was removed from, or added to.		
Portable Toilet Facility	Contractor to maintain portable toilet facility throughout construction period.				
Dumpster	Contractor to provide dumpster throughout construction period.				
Samples	Three (3) samples of each color or style of the products to be submitted to the Architect.				
01 50 00 - TEMPORARY FACILITIES AND CONTROLS					
Designated Areas	Owner shall provide designated areas for the contractor's employee parking, material storage and staging. Contractor shall control his employees, sub-contractors and material suppliers from parking in un-designated areas.	Disposal	Remove all materials noted on the drawings and all miscellaneous materials which will be rendered useless with removal of the item noted. Unless specifically noted otherwise, materials shall become the property of the contractor and shall be removed from the site in a legal and safe manner. Patch and repair all adjacent surfaces such that at the completion of the work, it shall not be obvious where an item was removed from or added to. Final appearance shall be totally acceptable to the owner.		
Protection	Contractor shall take All necessary precautionary measures to protect their work and ensure the safety of workmen, public and property. Neither the Owner nor Architect shall have any responsibility or control of construction means, methods, techniques, sequences or procedures affecting job-site safety, or for safety precautions and programs. contractor shall legally defend and hold harmless the Owner and Architect from all such claims.				
Contractor's Responsibility	The Contractor shall supervise and direct the work, and be solely responsible for and have control over all methods, techniques and procedures necessary for the proper execution of the work. Where the work of this agreement affects owner's utilities, fire alarm, fire suppression or controls systems, the contractor shall give the owner a minimum of 24 hours advance notice.  The Contractor shall be responsible to the owner for the acts and omissions of the Contractor's employees, agents, sub-contractors, and their agents, employees, and other persons performing portions of the work under a contract with the Contractor to the fullest extent permitted by law.  The Contractor shall indemnify and hold harmless the Owner, the Owner's consultants, agents and employees of any of them from and against claims, damages, losses and expenses including but not limited to attorney's fees arising out of or resulting from performance of the work, provided that such claim damages, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury or destruction of tangible property other than the work itself, including loss of use resulting therefrom, but only to the extent caused in whole or in part by negligent acts or omissions of the contractor, a sub-contractor, anyone directly or indirectly employed by them or anyone for whose acts they may be liable regardless of whether or not such damage, claim, loss or expense is caused in part by a party indemnified hereunder. Such obligation shall not be construed to negate, abridge or reduce other rights or obligations of indemnity which would otherwise exist as to a party or person described in this paragraph.	As-Builts	Contractor shall maintain a clean set of drawings at the job site that is specifically set aside for recording: - all differences between the work as shown on the drawings and the work installed. - All work added or deleted during the course of construction - Exact measurements of all buried and/or concealed work (e.g. conduit below slab, conduit and data cable below raised platforms, conduit in walls etc.) All recordings shall be neat and legible. Stamp this set of drawings 'As-Built drawings' and list as a minimum, the name, address and telephone number of the General Contractor and all major sub-contractors, (e.g. electrical, HVAC, etc.). At the completion of the project as prerequisite for final payment, Contractor shall turn these as-builts over to the owner.		
		Final Cleaning	After the construction of each phase and before occupancy, thoroughly clean the space by dusting the sills, washing windows, vacuuming the carpet and replace all HVAC filters. Clean site areas of any refuse created in the scope of work.		
		09 90 00 - PAINTING			
		General	Painting products shall be specified from Sherwin Williams.		
		Scope of Work	Items included, but not limited to framing and related accessories at canopy shade structure as well as handrails.		
		Paint Specification	1. Primer to be one coat of Sherwin Williams B50AZ6 Kem-Kromik Grey Primer 2. Finish to be two coats of Sherwin Williams F75BC14 Sher-Kem Raven Black		
		13 31 23 - SPECIAL CONSTRUCTION			
		Shade Cloth	Shade cloth shall be as manufactured by Monotek, series 370. Refer to reference plan for colors		
01 70 00 - EXECUTION REQUIREMENTS					
General	Contractor shall field verify all existing conditions and lay out all of the work prior to starting construction on any part of the work. As a minimum contractor shall verify: - all dimensions, both horizontal and vertical - Utility locations, buried and overhead - existing conditions affecting this project				

REVISIONS	BY

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**W. Alan Kenison & Associates, P.C.**

P 928-443-5812  
F 928-443-5815

P.O. Box 11593  
Prescott, AZ 86304

email: [waka@cableone.net](mailto:waka@cableone.net)  
[www.kenison-associates.com](http://www.kenison-associates.com)

**ARCHITECTURE & PLANNING**



**DRAWING:** Specifications

**PROJECT:** Mingus Amphitheater  
3700 Willowcroft  
Prescott, AZ 86301

**APN:** 106-08-006

DRAWN BY  
L.O.  
CHECKED BY  
W.A.K.  
DATE  
May 26, 2017  
JOB NO.  
701  
SHEET

## A8.0



GENERAL STRUCTURAL NOTES

(APPLY UNLESS NOTED OTHERWISE ON PLANS/DETAILS)

GENERAL REQUIREMENTS:

- THE STRUCTURAL SYSTEMS AND MEMBERS DEPICTED HEREIN HAVE BEEN DESIGNED PRIMARILY TO SAFEGUARD AGAINST MAJOR STRUCTURAL DAMAGE AND LOSS OF LIFE, NOT TO LIMIT DAMAGE OR MAINTAIN FUNCTION (IBC SECTION 101.3).
- THESE DRAWINGS, AND THEIR ASSOCIATED STRUCTURAL CALCULATIONS, HAVE BEEN PERFORMED USING STANDARDS OF PROFESSIONAL CARE AND COMPLETENESS NORMALLY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY REPUTABLE STRUCTURAL ENGINEER'S IN THIS OR SIMILAR LOCALITIES. THEY NECESSARILY ASSUME THAT THE WORK DEPICTED WILL BE PERFORMED BY AN EXPERIENCED CONTRACTOR AND/OR WORKMEN WHO HAVE A WORKING KNOWLEDGE OF THE INTERNATIONAL BUILDING CODE CONVENTIONAL FRAMING REQUIREMENTS AND OF INDUSTRY ACCEPTED STANDARD GOOD PRACTICE. AS NOT EVERY CONDITION OR FRAMING ELEMENT IS (OR CAN BE) EXPLICITLY SHOWN ON THESE DRAWINGS, IT IS UNDERSTOOD THAT THE CONTRACTOR WILL USE INDUSTRY ACCEPTED STANDARD GOOD PRACTICE FOR ALL MISCELLANEOUS WORK NOT EXPLICITLY SHOWN.
- THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED CONSTRUCTION SUCH THAT DESIGN LIVE LOAD PER SQUARE FOOT AS STATED HEREIN IS NOT EXCEEDED. OPTIONS ARE FOR CONTRACTOR'S CONVENIENCE. IF AN OPTION IS USED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY CHANGES, AND SHALL COORDINATE ALL DETAILS.
- WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL STRUCTURAL NOTES AND NOTES ARE NOT NECESSARILY INDICATED ON THE PLANS, BUT SHALL APPLY NONE--THE--LESS, WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT. DETAILS MAY SHOW ONLY ONE SIDE OF CONNECTION OR MAY OMIT INFORMATION FOR CLARITY.
- ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL WITH APPROPRIATE TRADES, DRAWINGS AND SUBCONTRACTORS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF CONSTRUCTION. RESOLVE ANY DISCREPANCY WITH THE ARCHITECT AND STRUCTURAL ENGINEER.
- ANY INSPECTIONS, SPECIAL (IBC CHAPTER 17) OR OTHERWISE THAT ARE REQUIRED BY THE BUILDING CODES, LOCAL BUILDING DEPARTMENTS, OR BY THESE PLANS SHALL BE DONE BY AN INDEPENDENT INSPECTION COMPANY OR THE BUILDING DEPARTMENT. SITE VISITS BY THE STRUCTURAL ENGINEER DO NOT CONSTITUTE AN OFFICIAL INSPECTION, UNLESS SPECIFICALLY CONTRACTED FOR.
- SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL STRUCTURAL ITEMS IN ADDITION TO ITEMS REQUIRED BY ARCHITECTURAL SPECIFICATIONS. THE CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS PRIOR TO SUBMITTAL. ITEMS NOT IN ACCORDANCE WITH CONTRACT DRAWINGS SHALL BE FLAGGED UPON HIS REVIEW. VERIFY ALL DIMENSIONS WITH ARCHITECT. ANY CHANGES, SUBSTITUTIONS, OR DEVIATIONS FROM ORIGINAL CONTRACT DRAWINGS SHALL BE CLOUDED. ANY OF THE AFOREMENTIONED WHICH ARE NOT CLOUDED OR FLAGGED BY SUBMITTING PARTIES, SHALL NOT BE CONSIDERED APPROVED AFTER THE STRUCTURAL ENGINEER'S REVIEW, UNLESS NOTED ACCORDINGLY. ANY ENGINEERING PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW, SHALL BEAR THE SEAL OF A STRUCTURAL ENGINEER REGISTERED IN THE APPROPRIATE STATE. THE SHOP DRAWINGS DO NOT REPLACE THE ORIGINAL CONTRACT DRAWINGS. ITEMS OMITTED OR SHOWN INCORRECTLY AND ARE NOT FLAGGED BY THE STRUCTURAL ENGINEER ARE NOT TO BE CONSIDERED CHANGES TO ORIGINAL DRAWINGS. THE ADEQUACY OF ENGINEERING DESIGNS AND LAYOUT PERFORMED BY THE OTHERS RESTS WITH THE DESIGNING OR SUBMITTING AUTHORITY. REVIEWING IS INTENDED ONLY AS AN AID TO THE CONTRACTOR IN OBTAINING CORRECT SHOP DRAWINGS. RESPONSIBILITY FOR CORRECTNESS SHALL REST WITH THE CONTRACTOR. ALLOW (5) WORKING DAYS FOR THE STRUCTURAL ENGINEER'S REVIEW. ONE COPY OF EACH SUBMITTAL WILL BE RETAINED FOR THE STRUCTURAL ENGINEER'S RECORDS.

BASIS FOR DESIGN:

- BUILDING CODE: 2012 EDITION OF THE IBC WITH CITY/COUNTY AMENDMENTS.

RISK CATEGORY = II

- VERTICAL LOADS:

LOCATION	LIVE / SNOW LOAD	DEAD LOAD
ROOF	30 PSF	4 PSF

- SEISMIC DESIGN PARAMETERS:

ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE PROCEDURE
IMPORTANCE FACTOR	Ie = 1.00
SITE CLASS	D
SEISMIC DESIGN CATEGORY	C
SPECTRAL RESPONSE ACCELERATIONS	Sms = 0.532, Sm1 = 0.244
SPECTRAL RESPONSE COEFFICIENTS	Sds = 0.355, Sd1 = 0.163
VERTICAL SHEAR TRANSFER ELEMENTS:	
INVERTED PENDULUM STEEL COMULUMN(S)	R = 1.25

- WIND DESIGN PARAMETERS (STRENGTH):

ULTIMATE WIND SPEED	115 MPH (3 SECOND GUST)
WIND EXPOSURE	B
IMPORTANCE FACTOR	Iw = 1.00

FOUNDATION NOTES:

- IN LIEU OF A GEOTECHNICAL REPORT: THE FOUNDATION HAS BEEN DESIGNED ACCORDING TO THE RECOMMENDATIONS OF CHAPTER 18 OF THE IBC.
- THE SOIL DESIGN VALUES LISTED BELOW HAVE BEEN APPROVED BY THE CITY/COUNTY BUILDING DEPARTMENT, CONTINGENT THAT THE SOIL ON THE SITE PREDOMINATELY CONSISTS OF SAND AND/OR GRAVEL. SPECIFIC SOIL CLASSIFICATIONS SHOULD BE ONE OF THE FOLLOWING: SANDY GRAVEL OR GRAVEL (GW OR GP), SAND (SW AND SP), SILTY SAND (SM), CLAYEY SAND (SC), SILTY GRAVEL (GM), OR CLAYEY GRAVEL (GC). THESE SOIL CLASSIFICATIONS CAN BE FOUND IN TABLE 1806.2 OF CHAPTER 18 OF THE IBC. VERIFICATION OF SOIL CLASSIFICATION IS THE RESPONSIBILITY OF THE CONTRACTOR.

THE SOIL DESIGN VALUES FOR THE FOUNDATION ARE:

ALLOWABLE BEARING PRESSURE	1500 PSF
ALLOWABLE LATERAL BEARING PRESSURE	150 PSF/FT

- A ONE--THIRD INCREASE IN BEARING PRESSURES IS ALLOWED WITH SEISMIC OR WIND LOAD COMBINATIONS. LATERAL BEARING AND LATERAL SLIDING RESISTANCE MAY BE COMBINED.

FOUNDATION BEARING DEPTH
18" BELOW FINISHED GRADE

- ALL FOUNDATIONS SHALL BEAR ON COMPACTED ENGINEERED FILL 18 INCHES MINIMUM BELOW FINISH GRADE. GRADE IS DEFINED AS TOP OF SLAB FOR INTERIOR FOOTINGS AND LOWEST ADJACENT GRADE WITHIN 5 FEET OF THE BUILDING FOR PERIMETER FOOTINGS. WHERE EXTERIOR PAVING OR CONCRETE IS DIRECTLY ADJACENT TO BUILDING, GRADE IS DEFINED AS TOP OF EXTERIOR PAVING AT LEAST 5 FEET FROM BUILDING. CONCRETE FOOTING EXCAVATIONS SHALL BE CLEAN AND FREE OF LOOSE DEBRIS OR UN--COMPACTED MATERIAL AT TIME OF CONCRETE PLACEMENT.
- CONCRETE SLABS ON GRADE SHALL BE SUPPORTED ON A 4 INCH LAYER OF SELECT FILL MATERIAL ACCORDING TO THE SPECIFICATIONS OF THE SOIL REPORT. FILL MATERIAL SHOULD BE MOISTENED, BUT NOT SATURATED JUST PRIOR TO PLACING CONCRETE.
- BACKFILL AGAINST RESTRAINED WALLS SHALL NOT BE PLACED UNTIL AFTER THE WALLS ARE SUPPORTED BY THE COMPLETION OF INTERIOR FLOOR SYSTEMS AND CONCRETE OR GROUT STRENGTH HAS REACHED THE 28 DAY STRENGTH LISTED BELOW.

CONCRETE:

- MINIMUM 28 DAY CONCRETE STRENGTH SHALL BE AS FOLLOWS:

USE	CONCRETE STRENGTH	REMARKS:
CONCRETE SLABS ON GRADE	3000 PSI	W/O INSPECTION
CASSIONS	2500 PSI	.

- ALL NORMAL WEIGHT CONCRETE SHALL BE REGULAR WEIGHT OF 150 POUNDS PER CUBIC FOOT USING HARD--ROCK AGGREGATES. AGGREGATE USED IN CONCRETE SHALL CONFORM TO ASTM C67 FOR ¾", ASTM C57 FOR 1" AND ASTM C467 FOR 1½" AGGREGATE.
- ALL DIMENSIONS SHOWING THE LOCATION OF REINFORCING STEEL NOT NOTED AS "CLEAR" OR "CLR" ARE TO CENTER OF STEEL. MINIMUM COVER FOR NON--PRESTRESSED CONCRETE REINFORCING SHALL BE AS FOLLOWS:

LOCATION:	MINIMUM COVER	TOLERANCE
CAST AGAINST EARTH (FOOTINGS)	3"	± ¾"
SLABS ON GRADE	1½"	± ¾"
EXPOSED TO EARTH OR WEATHER -- #5 AND SMALLER	1½"	± ¾"
EXPOSED TO EARTH OR WEATHER -- #6 AND LARGER	2"	± ¾"
NOT EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND ROOF SLAB	1"	¾"
STRUCTURAL SLABS AND WALLS	¾"	¾"
BEAMS AND COLUMNS (PRIMARY) REINFORCEMENT, TIES, STIRRUPS AND SPIRALS	1½"	¾"

- MAXIMUM SLUMP FOR ALL CONCRETE SHALL BE 4". SLUMP FOR EXTERIOR SLABS SHALL BE 6". PORTLAND CEMENT SHALL CONFORM TO ASTM C150. TYPE V CEMENT SHALL BE USED FOR CONCRETE IN CONTACT WITH ALKALINE SOIL, AND TYPE II ELSEWHERE.
- NO MORE THAN 90 MINUTES SHALL ELAPSE BETWEEN CONCRETE BATCHING AND CONCRETE PLACEMENT UNLESS APPROVED BY THE TESTING AGENCY.
- CONCRETE PLACEMENT AND QUALITY SHALL BE PER RECOMMENDATIONS IN ACI 614, ACI 301 AND ACI 318. MECHANICALLY VIBRATE ALL CONCRETE WHEN PLACED, EXCEPT THAT SLABS ON GRADE NEED BE VIBRATED ONLY AROUND AND UNDER FLOOR DUCTS, ETC. CAST CLOSURE POUR, WHERE SHOWN ON PLANS AROUND COLUMNS AFTER COLUMN DEAD LOAD IS APPLIED. REMOVE ALL DEBRIS FROM FORMS BEFORE PLACING CONCRETE.
- ALL CONCRETE SLABS ON GRADE SHALL BE DIVIDED INTO AREAS BY CONTROL JOINTS (KEYED OR SAW CUT) SUCH THAT ONE SLAB AREA DOES NOT EXCEED 250 SQUARE FEET, OR BE MORE THAN TWO TIMES LONGER THAN THE SLAB AREA WIDTH. THE FOUNDATION PLAN SHOWS A SUGGESTED METHOD OF CONTROL JOINT LAYOUT. IT IS RECOMMENDED THAT SAW CUTS BE MADE WITHIN 16 HOURS OF CONCRETE BATCHING.

KEYED CONTROL JOINTS NEED ONLY OCCUR AT EXPOSED EDGES DURING POURING. ALL OTHER JOINTS MAY BE SAW CUT.

- HORIZONTAL PIPES AND ELECTRICAL CONDUITS SHALL NOT BE EMBEDDED IN STRUCTURAL CONCRETE AND SLABS ON GRADE EXCEPT WHERE SPECIFICALLY APPROVED OR NOTED BY THE STRUCTURAL ENGINEER. PIPES AND CONDUITS SHALL NOT IMPAIR THE STRENGTH OF THE WORK.
- FLY ASH MAY BE USED ONLY IF PERMITTED BY ARCHITECTURAL SPECIFICATIONS AND SHALL BE LIMITED TO 18 PERCENT OF CEMENTITIOUS MATERIALS AND SHALL HAVE A REPLACEMENT FACTOR OF 1.2 RELATIVE TO CEMENT REPLACED. NO FLY ASH ADDITIVES SHALL BE USED IN FLATWORK OR ARCHITECTURALLY EXPOSED CONCRETE.
- COLD/HOT WEATHER CONCRETE CONSTRUCTION: PROTECT CONCRETE FROM DAMAGE OR REDUCED STRENGTH IN COMPLIANCE WITH ACI 305 AND 306.
- CONCRETE MIXES SHALL BE DESIGNED BY A CERTIFIED LABORATORY AND APPROVED BY THE STRUCTURAL ENGINEER.
- ALL CONCRETE USED IN ERAU PROJECTS SHALL BE SUPPLIED BY HANSON AGGREGATES OF ARIZONA SPECIAL FORMULA #160X109 WINTER\*OR #160X149 SUMMER\*DEPENDING ON TIME OF YEAR.
- PIN INTO ALL EXISTING SIDEWALKS AND SAW CUT OR INSTALL CONTROL JOINTS IN CURBS ALONG EVERY SIDEWALK JOINT.
- SEAL ALL EXTERIOR ISOLATION AND CONTROL JOINTS THAT PENETRATE CONCRETE WITH A POLYURETHANE COMPOUND DESIGNED FOR THE PURPOSE AND APPLIED BY A LICENSED AND CERTIFIED SEALANT CONTRACTOR.
- SEAL EXTERIOR EXPOSED CONCRETE WITHIN 28 DAYS OF CURING IN THE MORNING, WITH THE CONCRETE TEMPERATURE BETWEEN 50--80 DEGREES. PRIOR TO SEALING PRESSURE WASH CONCRETE AND ALLOW TO THOROUGHLY DRY BEFORE APPLYING SEALER. SEALING PRODUCT TO BE MANUFACTURED BY DIS; FOR APPLICATION FOLLOW SEALING MANUFACTURES INSTRUCTIONS.

REINFORCING STEEL:

- ASTM A615 GRADE 60 (FY = 60 KS) DEFORMED BARS FOR ALL BARS #5 AND LARGER. ASTM A615 GRADE 40 (FY = 40 KS) DEFORMED BARS FOR ALL BARS #4 AND SMALLER. GRADE 60 DEFORMED BARS SHALL BE USED FOR CONCRETE WALLS, BEAMS, ELEVATED SLABS AND COLUMN REINFORCING.
- WELDING OF REINFORCING BARS SHALL BE MADE ONLY TO ASTM A706 GRADE 60 BARS AND ONLY USING E90 SERIES RODS. WELDING OF REINFORCING BARS SHALL BE MADE ONLY AT LOCATIONS SHOWN ON PLANS OR DETAILS.
- REINFORCING BAR SPACING GIVEN ARE MAXIMUM ON CENTERS. ALL BARS PER CRSI SPECIFICATIONS AND HANDBOOK. DOWEL ALL VERTICAL REINFORCING TO FOUNDATION. SECURELY TIE ALL BARS IN LOCATION BEFORE PLACING CONCRETE.

STEEL:

- MATERIALS: ROLLED W SHAPES, SHALL CONFORM TO ASTM A992 (FY=50 KS), ALL OTHER STRUCTURAL STEEL SHAPES, ROLLED SECTIONS, BARS AND PLATES SHALL CONFORM TO ASTM A36 (FY = 36 KS). ALL PIPE STEEL SHALL BE ASTM A501 (FY = 36 KS) OR ASTM A53, TYPE E OR S, GRADE B (FY = 35 KS). ALL TUBULAR STEEL SHALL BE ASTM A500 (FY = 46 KS).
- ALL BOLTS AND STUDS SHALL BE ASTM A307, UNLESS NOTED OTHERWISE. ALL EXPANSION BOLTS TO HAVE CURRENT ICBO RATING FOR MATERIAL INTO WHICH INSTALLATION TAKES PLACE. HEADED STUDS SHALL CONFORM TO ALL REQUIREMENTS OF THE LATEST EDITION OF THE "RECOMMENDED PRACTICES FOR STUD WELDING" AND THE "STRUCTURAL WELDING CODE" PUBLISHED BY AWS. ALL BOLTS, ANCHOR BOLTS, EXPANSION BOLTS, ETC. SHALL BE INSTALLED WITH STEEL WASHERS AT FACE OF WOOD OR AT SLOTTED HOLES IN STEEL SECTIONS.
- ALL STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH AISC SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS, LATEST EDITION.
- WELDING SHALL BE BY WELDERS HOLDING VALID CERTIFICATES AND HAVING CURRENT EXPERIENCE IN THE TYPE OF WELD SHOWN ON THE DRAWINGS OR NOTES. ALL WELDING SHALL USE E70 SERIES LOW HYDROGEN RODS UNLESS NOTED OTHERWISE. ALL WELDING PER LATEST AMERICAN WELDING SOCIETY STANDARDS. ALL WELDS ON DRAWINGS ARE SHOWN AS SHOP WELDS. CONTRACTOR MAY SHOP WELD OR FIELD WELD AT HIS DISCRETION. ALL FULL PENETRATION WELDS SHALL BE TESTED AND CERTIFIED BY AN INDEPENDENT TESTING LABORATORY.

SHOP WELDING:

- MAKE WELDS BY THE ELECTRIC--ARC PROCESS.
- GRIND EXPOSED WELDS SMOOTH.
- WHERE WELD SIZE IS NOT INDICATED, IT SHALL DEVELOP FULL STRENGTH OF MEMBER AND CONNECTION.

PAINTING -- SHOP COAT:

- SHOP PRIME ALL STRUCTURAL STEEL, EXCEPT AS FOLLOWS:
  - ITEMS OF STEEL AND IRON WORK INDICATED OR SPECIFIED TO BE ENCASED IN CONCRETE. PARTIALLY EMBEDDED STEEL SHALL HAVE PRIMER APPLIED TO AREA EMBEDDED IN CONCRETE TO A DEPTH OF 2 INCHES.
  - SURFACES TO BE WELDED.
  - 3 SURFACES TO BE HIGH--STRENGTH BOLTED WITH SLIP--CRITICAL CONNECTIONS.
- CLEAN STEEL WORK PER SP--3 BY WIRE BRUSHING, OR BY OTHER MEANS SELECTED BY THE FABRICATOR, OF LOOSE MILL SCALE, LOOSE RUST, ACCESSIBLE WELD SLAG, OR FLUX DEPOSIT, DIRT AND OTHER MATTER BEFORE SHOP COAT OF PAINT IS APPLIED. CLEAN IN ACCORDANCE WITH SSPC SP--6 AS REQUIRED. REMOVE OIL, GREASE AND SIMILAR CONTAMINANTS IN ACCORDANCE WITH SSPC SP--1.
- AFTER CLEANING, GIVE STEEL WORK ONE COAT OF METAL PRIMER. APPLY PRIMER THOROUGHLY AND EVENLY TO DRY SURFACES BY BRUSH, SPRAY, ROLLER COATING, FLOW COATING OR DIPPING AT THE SELECTION OF THE FABRICATOR.
- APPLY PRIMER TO PROVIDE A WET FILM OF 2.0 MILS.
- PAINT ERECTION MARKS ON PAINTED SURFACES. TOUCH--UP SURFACES WHERE WELDING, GRINDING OF WELDS, JOINTS, ETC. ARE DONE IN THE FIELD.
- THE PAINT SHALL BE THOROUGHLY DRY BEFORE THE MEMBERS ARE HANDLED OR LOADED.

PAINT SPECIFICATION:

- PRIMER TO BE ONE COAT OF SHERWIN WILLIAMS B50AZ6 KEM--KROMIK GREY PRIMER.
- FINISH TO BE TWO COATS OF SHERWIN WILLIAMS F75BC14 SHER--KEM RAVEN BLACK.

ABBREVIATIONS	
A.B.C. --- AGGREGATE BASE COURSE	Q.L.B. (QU.LAM) --- QUIED--LAMINATED BEAM
A/C --- AIR CONDITIONER	I.F.W. --- INSIDE FACE OF WALL
A.F.F. --- ABOVE FINISHED FLOOR	HORIZ --- HORIZONTAL
ALT. --- ALTERNATE	K(KIP) --- 1000 POUNDS
AN --- ANCHOR BOLT	L --- LIVE LOAD
AT --- AT (MEASUREMENT)	LBS (#) --- POUNDS
BM --- BEAM	LLH --- LONG LEG HORIZONTAL
B.F. --- BELOW FINISHED FLOOR	LLV --- LONG LEG VERTICAL
B.O.B. --- BOTTOM OF BEAM	MFR('S) --- MANUFACTURER('S)
B.O.D. --- BOTTOM OF DECK	MCJ --- MASONRY CONTROL JOINT
B.O.M. --- BOTTOM OF FOOTING	MECH --- MECHANICAL
BRC --- BEARING	N/A --- NOT APPLICABLE
C.I.P. --- CAST IN PLACE	N.T.S. --- NOT TO SCALE
CL --- CENTERLINE	O.C. --- ON CENTER
CLB --- CENTERLINE OF BEAM	O.T.W. --- OUTSIDE FACE OF WALL
CLC --- CENTERLINE OF COLUMN	OPP --- OPPOSITE
CLF --- CENTERLINE OF FOOTING	P.C. --- PRECAST CONCRETE
CLR --- CENTERLINE OF WALL	PFP --- PREFABRICATED
CLR --- CLEAR	PSF --- POUNDS PER SQUARE FOOT
CONC --- CONCRETE	PSI --- POUNDS PER SQUARE INCH
CONC --- CONCRETE CONTROL JOINT	REIN --- REINFORCING
CONC S.J. --- CONCRETE SAWCUT JOINT	SLH --- SHORT LEG HORIZONTAL
C.M.U. --- CONCRETE MASONRY UNIT	SLV --- SHORT LEG VERTICAL
CONN --- CONNECTION	SD --- SIMILAR
CONT --- CONTINUOUS	SO --- SQUARE
D.L. --- DEAD LOAD	STD --- STANDARD
Ø OR DIA. --- DIAMETER	TL --- TOTAL LOAD
DN --- DOWN	T.O.B. --- TOP OF BEAM
DWG(S) --- DRAWING(S)	T.O.C. --- TOP OF COLUMN
E.O.S. --- EDGE OF SLAB	T.O.F. --- TOP OF FOOTING
EQ --- EQUAL	T.O.L. --- TOP OF LEDGER
EQUIP --- EQUIPMENT	T.O.M. --- TOP OF MASONRY
EXP. BOLT --- EXPANSION BOLT	T.O.P. --- TOP OF PLATE
EXP. JT (E.J.) --- EXPANSION JOINT	T.O.S. --- TOP OF STEEL
E.W. --- EACH WAY	T.O.W. --- TOP OF WALL
F.F. --- FINISHED FLOOR	TYP --- TYPICAL
F.O.M. --- FACE OF MEMBER	UNO. --- UNLESS NOTED OTHERWISE
F.O.S. --- FACE OF STEEL	VERT --- VERTICAL
F.O.W. --- FACE OF WALL	W.W.F. --- WELDED WIRE FABRIC
GA --- GAGE	W --- WITH
GALV --- GALVANIZED	W/O --- WITHOUT
GSN --- GENERAL STRUCTURAL NOTES	

FABRIC ROOF SYSTEMS:

- UV SHADE FABRIC: UV SHADE FABRIC IS MADE OF A UV STABILIZED HIGH DENSITY POLYETHYLENE. MESH SHALL BE RACHEL KNITTED WITH MONOFILAMENT AND TAPE YARN FILLER TO ENSURE THAT MATERIAL WILL NOT UNRAVEL IF CUT. PANELS TO BE 10FT WIDE. FABRIC SHALL MEET THE FOLLOWING FIRE RESISTANCE TESTS: ASTM E84, NFPA 701:97 (WEATHERED OR UNWEATHERED)
- SIZE/FORM: SEE SITE PLAN AND CONSTRUCTION DETAILS FOR SIZE REQUIREMENTS FOR EACH STRUCTURE. SEE SITE PLAN FOR LAYOUT.
- STITCHING & THREAD: ALL SEWING THREADS ARE TO BE DOUBLE STITCHED. THREAD SHALL BE GORE TENARA SEWING THREAD MANUFACTURED FROM 100% EXPANDED PTFE, MILDEW RESISTANT EXTERIOR APPROVED THREAD. THREAD SHALL MEET OR EXCEED THE FOLLOWING: FLEXIBLE TEMPERATURE RANGE, VERY LOW SHRINKAGE FACTOR, EXTREMELY HIGH STRENGTH, DURABLE IN OUTDOOR CLIMATES, RESISTS FLEX AND ABRASION OF FABRIC.
- UNAFFECTED BY CLEANING AGENTS; ACID RAIN, MILDEW, SALT WATER AND ROT RESISTANT, UNAFFECTED BY MOST INDUSTRIAL POLLUTANTS.
- TREATED FOR PROLONGED EXPOSURE TO THE SUN.

SPECIAL INSPECTION ITEMS:

- THE OWNER SHALL EMPLOY A SPECIAL INSPECTOR DURING CONSTRUCTION OF CERTAIN TYPES OF WORK. PER IBC SECTION 1704 AND THE STRUCTURAL ENGINEER OF RECORD, SPECIAL INSPECTION IS (IS NOT) REQUIRED AS FOLLOWS:

TYPE OF WORK:	REQUIRED:	REMARKS:
CONCRETE SLAB ON GRADE	NO	DESIGN BASED ON f'c=2500 PSI
CONCRETE FOUNDATIONS	NO	DESIGN BASED ON f'c=2500 PSI
EPOXY ANCHORS	YES	DURING INSTALLATION OF ANCHORS
FIELD WELDING	YES	AFTER WORK IS COMPLETE

SPECIAL INSPECTIONS NOT LISTED ABOVE ARE NOT REQUIRED.

- DESIGNATION OF SPECIAL INSPECTOR:

- FOR STRUCTURAL ITEMS LISTED ABOVE, THE SPECIAL INSPECTOR SHALL BE, OR WORK UNDER THE DIRECT SUPERVISION OF, THE STRUCTURAL ENGINEER OF RECORD -- FROST STRUCTURAL ENGINEERING (928)776-4757.
  - THE OWNER, AT HIS OPTION, MAY DESIGNATE AN ALTERNATE SPECIAL INSPECTOR. OBTAIN THE REQUIRED CERTIFICATE(S), AND MAKE THE NECESSARY NOTIFICATIONS TO ALL PARTIES INVOLVED. THE ALTERNATE SPECIAL INSPECTOR SHALL BE A LICENSED STRUCTURAL ENGINEER (OR GEOTECHNICAL ENGINEER FOR GEOTECHNICAL ITEMS) OR AN ICBO CERTIFIED SPECIAL INSPECTOR.
  - TO SCHEDULE ANY SPECIAL INSPECTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE SPECIAL INSPECTOR AT LEAST ONE DAY IN ADVANCE.
- QUALITY ASSURANCE PROGRAM:
    - THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED TO BE CERTAIN IT CONFORMS WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS.
    - THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO CERTIFYING THAT TO THE BEST OF HIS KNOWLEDGE THE WORK IS IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS, AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE INTERNATIONAL BUILDING CODE.
    - UPON COMPLETION OF THE ASSIGNED WORK THE STRUCTURAL ENGINEER SHALL COMPLETE AND SIGN THE APPROPRIATE FORMS CERTIFYING THAT TO THE BEST OF HIS KNOWLEDGE THE WORK IS IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS, AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE INTERNATIONAL BUILDING CODE.

DRAWING INDEX		
SHEET	DESCRIPTION	DETAILS
S1	GENERAL STRUCTURAL NOTES	---
S2	FOUNDATION PLAN	---
S2	ROOF FRAMING PLAN	---
S2	FOUNDATION DETAILS	100--SERIES
S2	FRAMING DETAILS	200--SERIES

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JOB NO.: 2017-0054	PROJECT MANAGER: CARL M.	CAD OPERATOR: MJS
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**FROST STRUCTURAL ENGINEERING**  
1678 Oaklawn Drive, Suite C  
Prescott, Arizona 86305  
Info@frost-structural.com

phone: 928.776.4757  
fax: 928.776.4931

REVISIONS	BY

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**W. Alan Kenson & Associates, P.C.**  
P.O. Box 11593  
Prescott, AZ 86304  
P 928-443-5812  
F 928-443-5815  
email: waka@cablcone.net  
www.kenson-associates.com

**ARCHITECTURE & PLANNING**

DRAWING: FOUNDATION PLAN

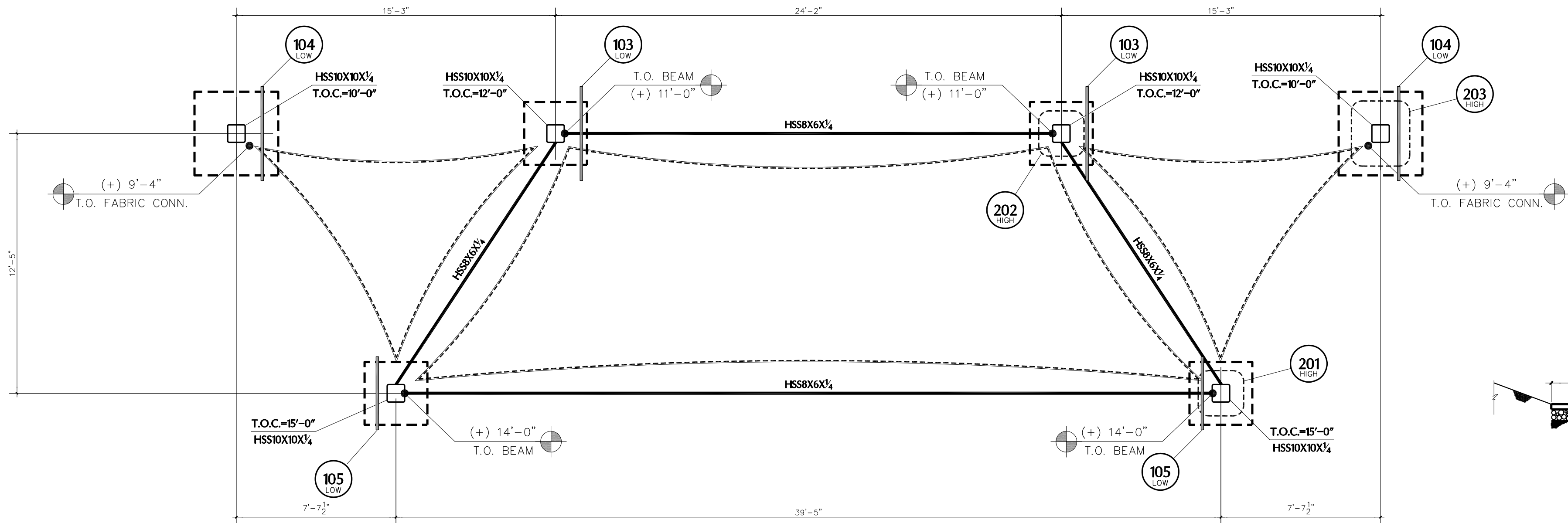
PROJECT: Migus Amphitheatre  
3700 Willowcreek RD.  
Prescott, Az 86301

PROJECT: 106-08-006

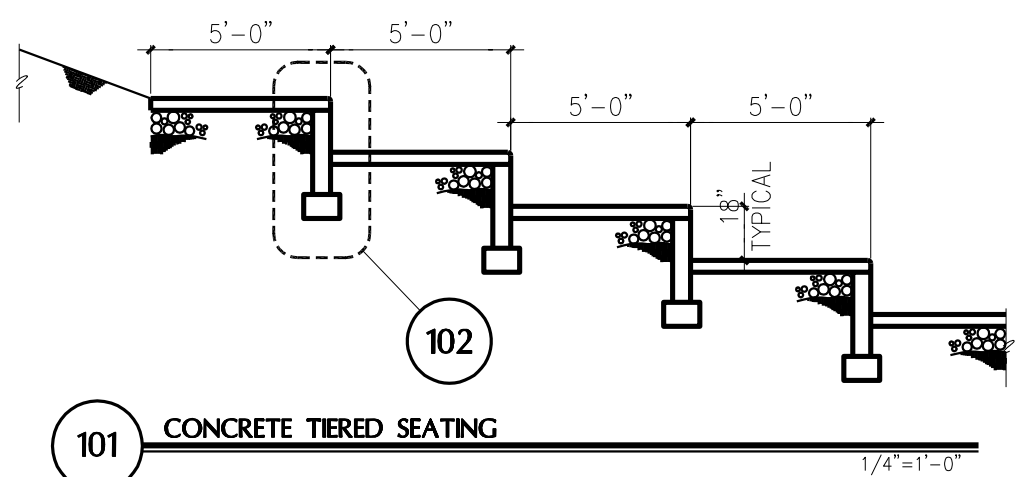
DRAWN BY <b>MJS</b>
CHECKED BY <b>CARL M.</b>
DATE <b>5/22/17</b>
SCALE <b>AS NOTED</b>
JOB NO. <b>2017-0054</b>
SHEET

**S1**





- FOUNDATION PLAN NOTES**
1. VERIFY ALL DIMENSIONS WITH ALL ARCHITECTURAL DRAWINGS.
  2. ALL SCHEDULED MARK DESIGNATIONS MAY NOT NECESSARILY BE FOUND ON THIS PLAN. SCHEDULES ARE TYPICAL TO THIS PROJECT.
  3. THE DEPTH OF FOOTING DIMENSION INDICATED IN THE G.S.N. IS A MINIMUM. FOUNDATION CONTRACTOR SHALL COORDINATE WITH THE SOILS REPORT AND OTHER TRADES TO INSURE THAT THESE MINIMUMS ARE SUFFICIENT FOR THE WORK. SEE TYPICAL DETAILS FOR ADDITIONAL REQUIREMENTS.
  4. VERIFY EXACT SIZE AND LOCATION OF DEPRESSED AND/OR RAISED SLABS WITH ARCHITECTURAL DRAWINGS.
  5. FOR SIDEWALK AND LANDING LOCATIONS, SEE ARCHITECTURAL DRAWINGS.

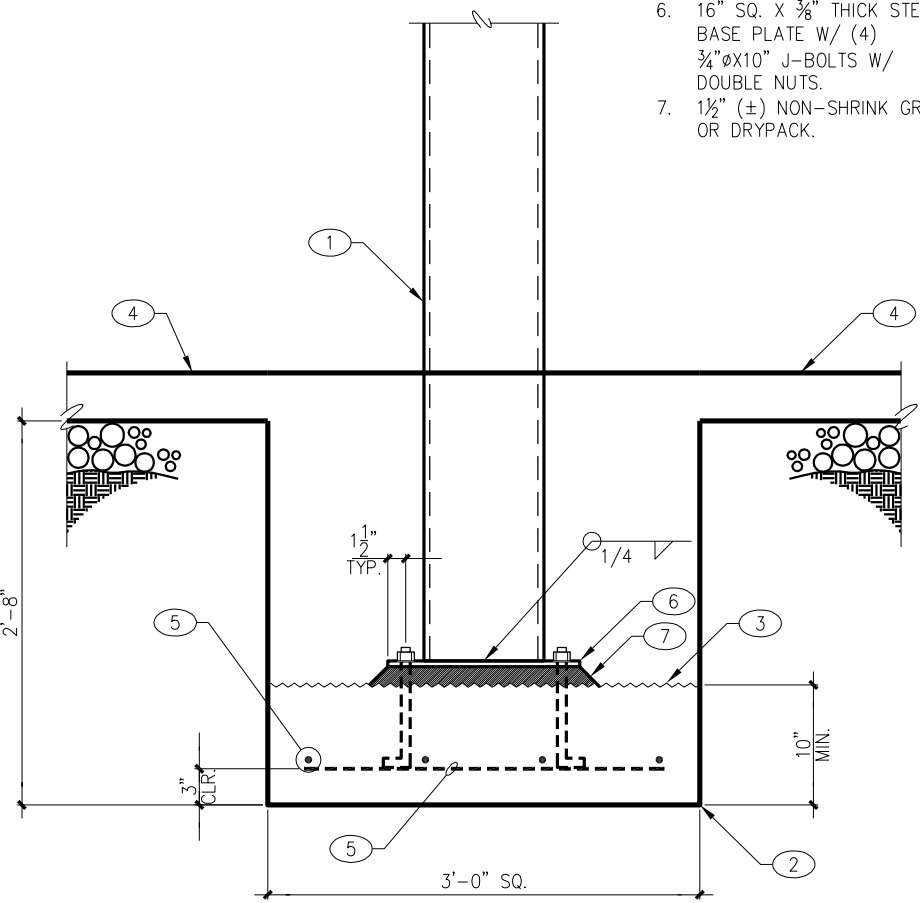


**FOUNDATION AND FRAMING PLAN**

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

**KEY NOTES:**

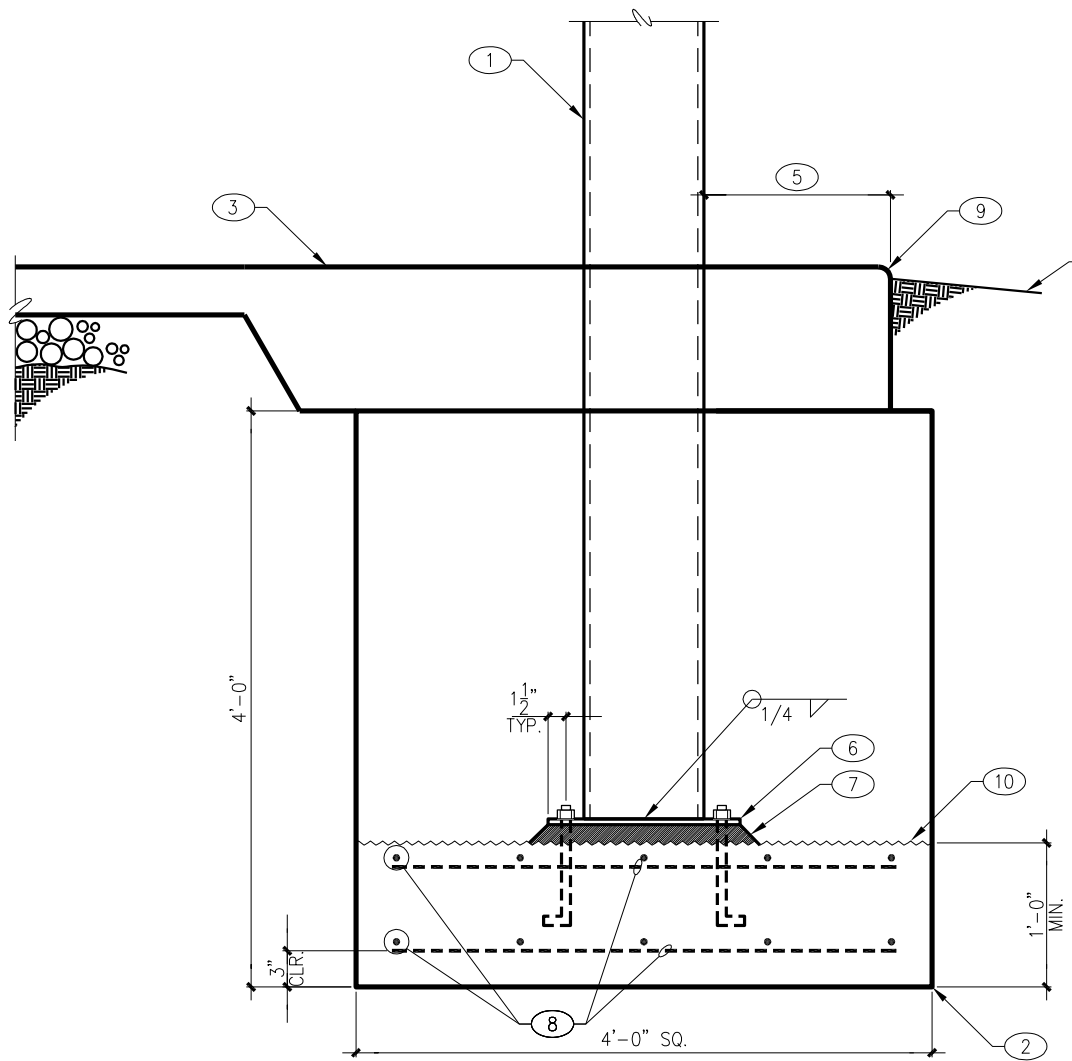
1. STEEL TUBE COLUMN.
2. CONCRETE FOOTING.
3. COLD JOINT.
4. CONCRETE SLAB ON GRADE.
5. (4) #4 BARS EACH WAY.
6. 16" SQ. X 3/8" THICK STEEL BASE PLATE W/ (4) 3/4"x10" J-BOLTS W/ DOUBLE NUTS.
7. 1/2" (4) NON-SHRINK GROUT OR DRYPACK.



**105 STEEL TUBE COLUMN AT CONCRETE FOOTING** NO SCALE

**KEY NOTES:**

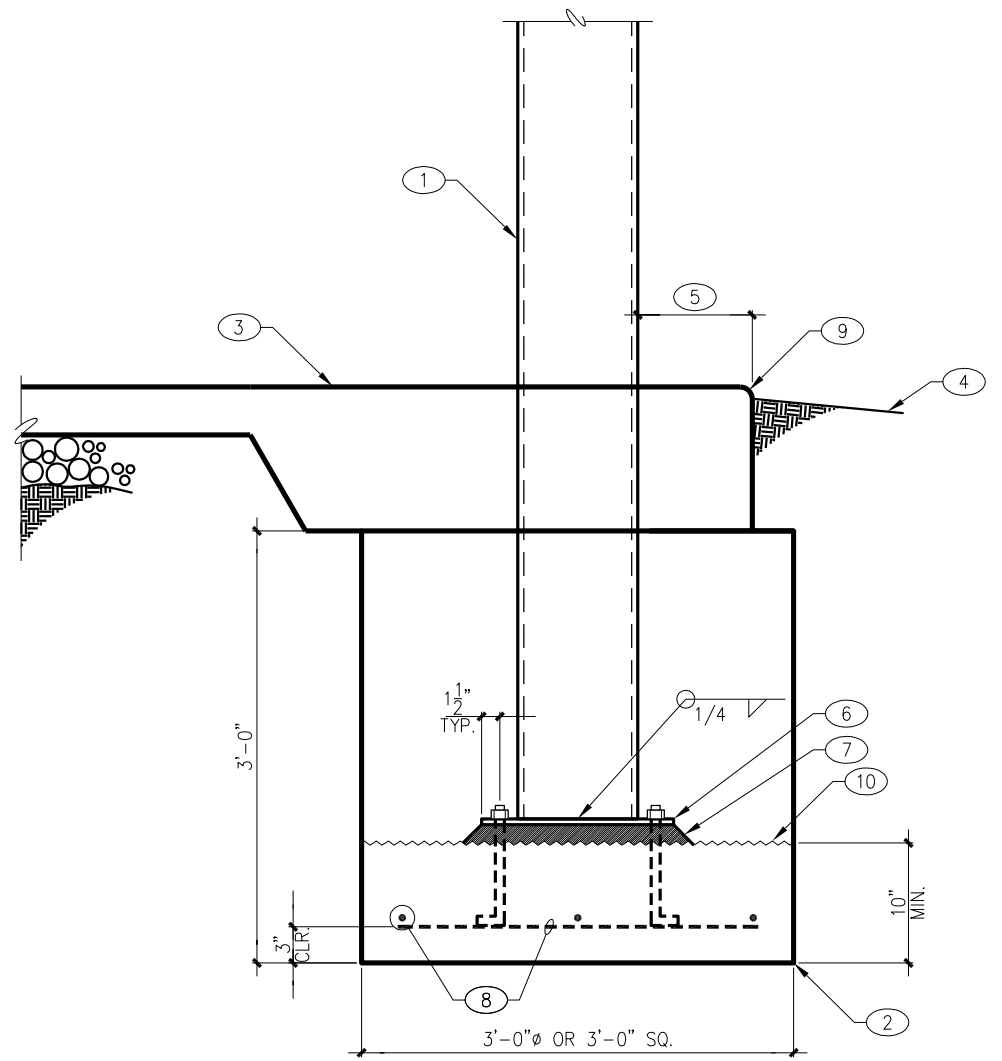
1. STEEL TUBE COLUMN.
2. CONCRETE FOOTING.
3. STAGE CONCRETE SLAB BEHIND.
4. FINISH GRADE.
5. VARIES, REFER TO ARCHITECTURAL DRAWINGS.
6. 16" SQ. X 3/8" THICK STEEL BASE PLATE W/ (4) 3/4"x10" J-BOLTS W/ DOUBLE NUTS.
7. 1/2" (4) NON-SHRINK GROUT OR DRYPACK.
8. (6) #4 EACH WAY TOP AND BOTTOM.
9. TOOLED EDGE.
10. COLD JOINT.



**104 STEEL TUBE COLUMN AT CONCRETE FOOTING** NO SCALE

**KEY NOTES:**

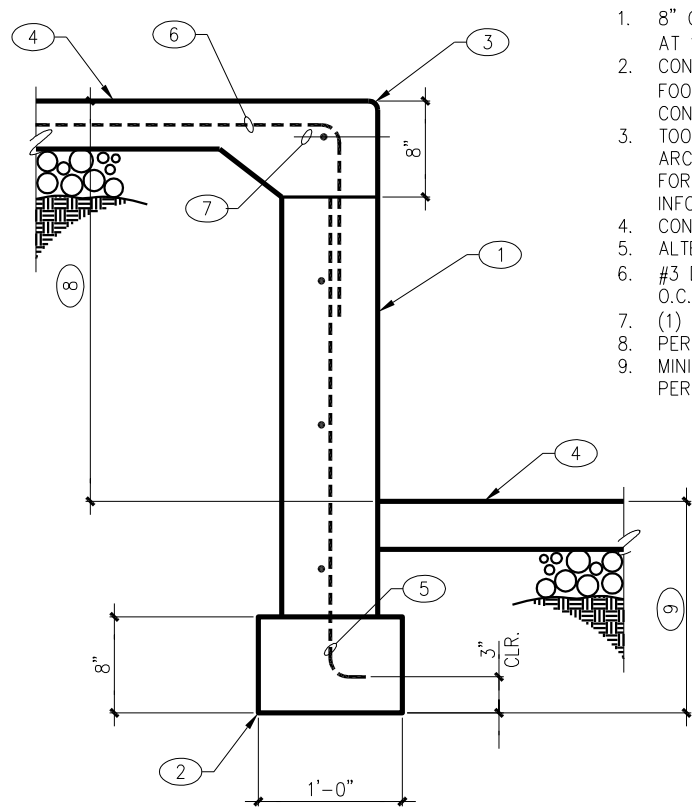
1. STEEL TUBE COLUMN.
2. CONCRETE FOOTING.
3. STAGE CONCRETE SLAB BEHIND.
4. FINISH GRADE.
5. VARIES, REFER TO ARCHITECTURAL DRAWINGS.
6. 16" SQ. X 3/8" THICK STEEL BASE PLATE W/ (4) 3/4"x10" J-BOLTS W/ DOUBLE NUTS.
7. 1/2" (4) NON-SHRINK GROUT OR DRYPACK.
8. (3) #4 EACH WAY.
9. TOOLED EDGE.
10. COLD JOINT.



**103 STEEL TUBE COLUMN AT CONCRETE FOOTING** NO SCALE

**KEY NOTES:**

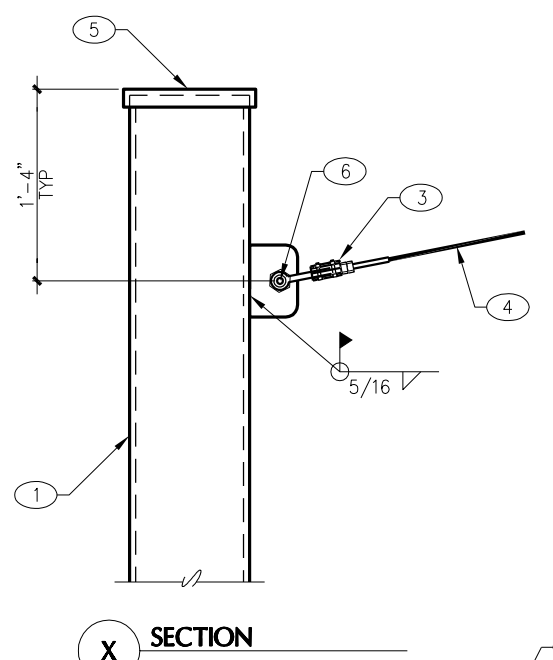
1. 8" CONCRETE WALL WITH #4 AT 12" O.C. EACH WAY.
2. CONTINUOUS CONCRETE FOOTING W/ (1) #4 CONTINUOUS.
3. TOOLED EDGE - SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
4. CONCRETE SLAB ON GRADE.
5. ALTERNATE BENDS.
6. #3 DOWELS 24" MIN AT 24" O.C.
7. (1) #4 CONTINUOUS.
8. PER DETAIL (20).
9. MINIMUM FOOTING DEPTH PER G.S.N.



**102 TIERED SEATING WALL AT CONCRETE FOOTING** NO SCALE

**KEY NOTES:**

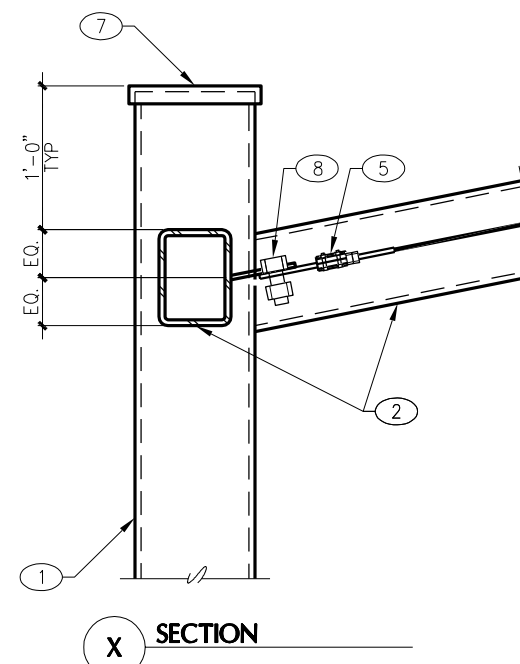
1. STEEL TUBE COLUMN.
2. 3/4" THICK STEEL PLATE.
3. SINGLE POINT CONNECTION: "COMMERCIAL BRACKET" A.K.A. "D" RING RATED FOR 3,000 LBS.
4. SHADE FABRIC WITH SEWN POCKET FOR WIRE ROPE. CAP ALL EXPOSED TUBE ENDS. MATCH EXISTING COURTYARD SHADE STRUCTURE.
5. 1/8" (MIN.) A307 PIN OR BOLT.
6. 1/4" (MIN.) A307 PIN OR BOLT.



**203 STEEL TUBE STRUT AND SHADE FABRIC AT STEEL COLUMN** NO SCALE

**KEY NOTES:**

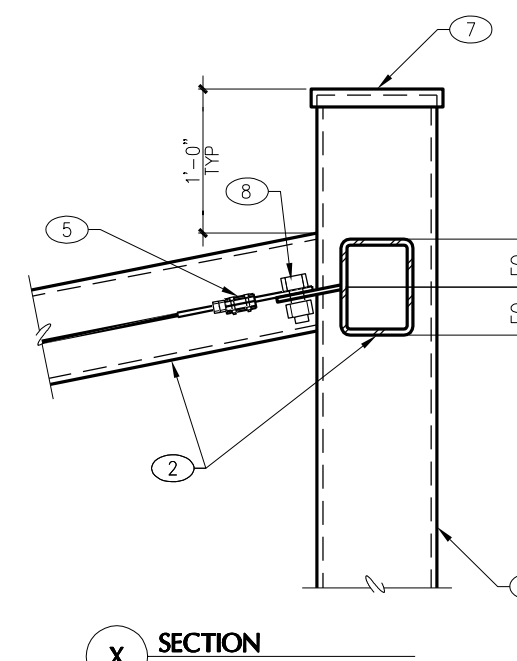
1. STEEL TUBE COLUMN.
2. SLOPING STEEL TUBE STRUT. MITER ENDS AS REQUIRED.
3. 3/4" THICK STEEL PLATE.
4. 4" MINIMUM EACH SIDE.
5. SINGLE POINT CONNECTION: "COMMERCIAL BRACKET" A.K.A. "D" RING RATED FOR 26,000 LBS.
6. SHADE FABRIC WITH SEWN POCKET FOR WIRE ROPE. CAP ALL EXPOSED TUBE ENDS. MATCH EXISTING COURTYARD SHADE STRUCTURE.
7. 1/8" (MIN.) A307 PIN OR BOLT.
8. 1/4" (MIN.) A307 PIN OR BOLT.
9. SINGLE POINT CONNECTION: "COMMERCIAL BRACKET" A.K.A. "D" RING RATED FOR 3,000 LBS.



**202 STEEL TUBE STRUT AND SHADE FABRIC AT STEEL COLUMN** NO SCALE

**KEY NOTES:**

1. STEEL TUBE COLUMN.
2. SLOPING STEEL TUBE STRUT. MITER ENDS AS REQUIRED.
3. 3/4" THICK STEEL PLATE.
4. 4" MINIMUM EACH SIDE.
5. SINGLE POINT CONNECTION: "COMMERCIAL BRACKET" A.K.A. "D" RING RATED FOR 26,000 LBS.
6. SHADE FABRIC WITH SEWN POCKET FOR WIRE ROPE. CAP ALL EXPOSED TUBE ENDS. MATCH EXISTING COURTYARD SHADE STRUCTURE.
7. 1/8" (MIN.) A307 PIN OR BOLT.
8. 1/4" (MIN.) A307 PIN OR BOLT.
9. SINGLE POINT CONNECTION: "COMMERCIAL BRACKET" A.K.A. "D" RING RATED FOR 3,000 LBS.



**201 STEEL TUBE STRUT AND SHADE FABRIC AT STEEL COLUMN** NO SCALE

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JOB NO.: 2017-0054 PROJECT MANAGER: CARL M. CAD OPERATOR: #00

**FROST STRUCTURAL ENGINEERING**

1678 Oaklawn Drive, Suite C Prescott, Arizona 86305  
phone: 928.776.4757 fax: 928.776.4931  
Info@frost-structural.com

REVISIONS	BY

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**W. Alan Kenson & Associates, P.C.**  
P.O. Box 11593 Prescott, AZ 86304  
P 928-443-5812 F 928-443-5815  
email: waka@cableone.net  
www.kenson-associates.com  
**ARCHITECTURE & PLANNING**

**DRAWING:** FOUNDATION PLAN  
**PROJECT:** Migus Amphitheatre 3700 Willowcreek RD. Prescott, Az 86301  
**PROJECT:** 106-08-006

**DRAWN BY:** MJS  
**CHECKED BY:** CARL M.  
**DATE:** 5/22/17  
**SCALE:** AS NOTED  
**JOB NO.:** 2017-0054  
**SHEET:**

**S2**



ELECTRICAL SYMBOLS

NOTE: NOT ALL SYMBOLS ARE USED ON THIS PROJECT

- FLUORESCENT FIXTURE, WITH FIXTURE DESIGNATED BY LETTER. SMALL LETTER INDICATES SWITCH LEG
- NIGHT LIGHT- NOT SWITCHED OR EMERGENCY
- FLUORESCENT STRIP FIXTURE.
- CEILING OR WALLMOUNTED FIXTURE.
- PORCELAIN PULL CHAIN FIXTURE
- JUNCTION BOX
- JUNCTION BOX WITH FLEX CONNECTION.
- SINGLE FACE EXIT SIGN- NOT SWITCHED
- DOUBLE FACED EXIT SIGN- NOT SWITCHED.
- TWO HEAD EMERGENCY LIGHT WITH BATTERY.
- S SINGLE POLE SWITCH, + 48" A.F.F. (20A-120/277V)
- S<sub>3</sub> THREE WAY SWITCH, + 48" A.F.F. (20A-120/277V)
- S<sub>4</sub> 4-WAY SWITCH +48" AFF (20A-120/277V)
- S<sub>P</sub> SWITCH AND PILOT LIGHT (20A-120-/277V)
- S<sub>K</sub> SINGLE POLE SWITCH, KEY OPERATED (20A)
- WALL OR CEILING MOUNTED MOTION SENSOR  
VERIFY MANUFACTURE
- DIMMER CONTROL, + 48" A.F.F. TYPE, RATING AS NOTED
- DUPLEX RECEPTACLE, + 18" A.F.F. (20A)
- DUPLEX RECEPTACLE ABOVE COUNTER,  
VERIFY HEIGHT. (20A)
- FOURPLEX RECEPTACLE, + 18" A.F.F. (20A)
- HALF SWITCHED DUPLEX RECEPTACLE (20A)
- SPECIAL RECEPTACLE - SIZE &  
TYPE AS NOTED
- POWER / PHONE / DATA FLUSH FLOOR OUTLET
- TELEPHONE OUTLET PLASTER RING AT + 18" A.F.F.  
HUBBELL #P12 COVERPLATE. 3/4"C TO CEILING SPACE  
UNLESS SHOWN WITH HOMERUNS.
- DATA SYSTEM OUTLET, 4" SQUARE BOX AND  
COVERPLATE, 3/4" C. TO CEILING SPACE UNLESS  
SHOWN WITH HOMERUN, + 18" A.F.F.
- TELE/DATA COMBO OUTLET, 4" SQUARE BOX AND  
COVERPLATE, 3/4" C. TO CEILING SPACE UNLESS  
SHOWN WITH HOMERUN, + 18" A.F.F.
- CABLE TELEVISION (CATV) OUTLET PLASTER RING AT  
+ 18" A.F.F. U.N.O. HUBBELL COVERPLATE. 3/4"C  
TO CEILING SPACE UNLESS SHOWN WITH HOMERUNS.
- TELEPHONE SYSTEM CONDUIT HOMERUN  
WITH NYLON PULLWIRE (1" MIN UNO)
- CLOSED CIRCUIT TV (CCTV)  
OUTLET SAME AS CATV OUTLET
- REMOTE CONTROL STATION +48" AFF
- DISCONNECT SWITCH, FUSE PER EQUIPMENT  
MANUFACTURERS RECOMMENDATION. OUTSIDE NEMA  
3R - N.F. = NON-FUSED.
- COMBINATION STARTER AND FUSIBLE  
DISCONNECT SWITCH SIZE AS NOTED
- EQUIPMENT TERMINATION CONNECTION  
POINT VERIFY EXACT LOCATION  
LOAD AND VOLTAGE AS NOTED
- MOTOR
- SM THERMAL PROTECTED SWITCH
- MOTOR STARTER - SHADING INDICATES F.B.O.
- DISTRIBUTION PANELBOARD.
- BRANCH CIRCUIT PANELBOARD.
- CONDUIT BELOW FLOOR OR UNDERGROUND
- CONDUIT IN WALL OR ABOVE CEILING
- HOMERUN TO PANEL
- CONDUIT TURNING UP
- CONDUIT TURNING DOWN
- CONDUIT STUB-OUT, MARK AND CAP AS DIRECTED
- GROUND WIRE (SIZE AS NOTED) EXTENDED  
AND CONNECTED TO APP'D GROUND

SPECIFICATIONS

- PRIOR TO SUBMITTING BID, SUBCONTRACTORS SHALL EXAMINE ALL GENERAL CONSTRUCTION DRAWINGS AND VISIT THE CONSTRUCTION SITE TO BECOME FAMILIAR WITH EXISTING CONDITIONS UNDER WHICH HE WILL HAVE TO OPERATE AND WHICH IN ANY WAY AFFECTS THE WORK UNDER HIS CONTRACT. NO SUBSEQUENT ALLOWANCE WILL BE MADE IN BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON HIS PART.
- THE SUBCONTRACTOR SHALL BE HELD FULLY RESPONSIBLE FOR THE PROPER RESTORATION OF ALL EXISTING SURFACES REQUIRING PATCHING, PLASTERING, PAINTING AND /OR OTHER REPAIR DUE TO THE INSTALLATION OF ELECTRICAL WORK UNDER THE TERMS OF THE CONTRACT. CLOSE ALL OPENINGS, REPAIR ALL SURFACES, ETC., AS REQUIRED.
- SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS, ELEVATIONS AND BUILDING DETAILS. VERIFY LOCATION OF ALL OUTLETS, SWITCHES, AND WALL MOUNTED LIGHTING FIXTURES WITH ARCHITECTURAL DRAWINGS AND ACTUAL CONDITIONS. VERIFY ALL CEILING TYPES WITH ARCHITECTURAL DRAWINGS BEFORE ORDERING FIXTURES.
- PRIOR TO ROUGH-IN AND FINAL CONNECTION, VERIFY ELECTRICAL CHARACTERISTICS AND EXACT LOCATION OF EQUIPMENT.
- GROUT AND SEAL ALL CONDUIT PENETRATIONS OF WALLS AND FLOOR SLABS TO PRESERVE FIRE RATING AND WATERTIGHT INTEGRITY.
- BRANCH CIRCUIT WIRING SHALL BE THHN/THWN INSULATION. PANEL FEEDERS SHALL BE TYPE XHHW. ALL WIRE SHALL BE COPPER. MINIMUM WIRE SIZE SHALL BE #12.
- ALL WIRING TO BE INSTALLED IN RACEWAYS. TYPE OF RACEWAY SHALL BE AS REQUIRED BY CODE. MINIMUM CONDUIT SIZE SHALL BE 1/2".
- PROVIDE CODE SIZED BOND WIRE IN ALL EMT, FLEXIBLE CONDUIT
- ALL ELECTRICAL EQUIPMENT SHALL BE NEW , U.L. APPROVED AND COMMERCIAL GRADE.
- WIRE RATED FOR 150° CENTIGRADE SHALL BE USED FOR ALL INCANDESCENT LIGHTING FIXTURES.
- ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST NATIONAL CODE, (N.E.C.), AND ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES.
- PROVIDE TYPEWRITTEN DESCRIPTIVE PANEL DIRECTORIES

FIRE WALL/FLOOR PENETRATION

ALL PENETRATIONS OF FIRE RESISTIVE FLOORS OR SHAFT WALLS SHALL BE PROTECTED BY MATERIALS AND INSTALLATION DETAIL THAT CONFORM TO UNDERWRITERS LABORATORY'S LISTINGS FOR THROUGH PENETRATION FIRESTOP SYSTEMS. THE CONTRACTOR SHALL SUBMIT SHOP DRAWING DETAILS WHICH SHOW COMPLETE CONFORMANCE WITH THE LISTING TO THE ARCHITECT AND SUCH DRAWINGS SHALL BE AVAILABLE TO THE LOCAL GOVERNING INSPECTORS. THE DRAWINGS SHALL BE SPECIFIC FOR EACH PENETRATION WITH ALL VARIABLES DEFINED.

ALL WIRING #6 AWG AND LARGER SHALL BE XHHW COPPER. #8 AWG AND SMALLER SHALL BE THHN/THWN COPPER

GENERAL ELECTRICAL DEMOLITION NOTES

- RETURN REMOVED MATERIAL DEEMED SALVAGEABLE TO OWNER'S REPRESENTATIVE. MATERIALS DEEMED NOT SALVAGEABLE SHALL BE REMOVED FROM THE PREMISES.
- THE CONTRACTOR WILL EXAMINE THE PREMISES AND SATISFIED HIMSELF AS TO EXISTING CONDITIONS UNDER WHICH HE WILL BE OBLIGED TO PERFORM HIS WORK. THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND THE CONTRACTOR SHALL FIELD VERIFY ALL DETAILS OF DEMOLITION.
- REMOVE ALL EXISTING WIRING DEVICES, LIGHT FIXTURES, WIRE, CONDUIT, DISCONNECTS, ETC., AS NOTED OR INDICATED WITHIN DEMOLITION AREA. (ALL ITEMS MAY NOT BE SHOWN.) REWORK AS NECESSARY ALL CIRCUITING WHICH REQUIRES CONTINUATION THROUGH THE AREA.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK REQUIRED TO REMOVE/RELOCATE ANY EXISTING ELECTRICAL EQUIPMENT SUCH THAT ELECTRIC SHOCK HAZARDS TO WORKMEN ARE ELIMINATED DURING DEMOLITION AND NEW CONSTRUCTION.
- REMOVED OR DAMAGED CONDUIT, WIRE AND FITTINGS SHALL NOT BE RE-USED
- WORK REQUIRED FOR EXISTING EQUIPMENT NOTED AS "EXISTING TO BE REMOVED" SHALL INCLUDE:
  - SALVAGING OR DISPOSING OF ALL MATERIAL OR EQUIPMENT AS DIRECTED BY OWNER OR OWNER'S REPRESENTATIVE.
  - REMOVAL OF FEEDER OR CABLING FROM EQUIPMENT TO POINT OF FEED.
  - REMOVAL OR RECIRCUITING (AS REQUIRED OR AS NOTED ON PANELS) OF ALL BRANCH CIRCUITING.
  - REMOVAL OF ALL FITTINGS, SUPPORTS, BRACKETS, ETC.
  - REPAIR AND PATCHING OF WALLS, FLOORS AND CEILINGS TO MATCH EXISTING OR PER ARCHITECT'S INSTRUCTIONS.
  - CAPPING OF IN-SLAB FEEDER CONDUITS FLUSH WITH THE FINISHED FLOOR.
  - CAPPING OF FEEDER CIRCUITS AT 6" ABOVE OR BELOW THE FLOOR OR CEILING FOR IN-SLAB CONDUITS LOCATED UP NEXT TO A WALL OR FOR CEILING AREA CONDUITS.
  - THE OPPOSITE END LOCATION OF ALL EMPTY FEEDER CONDUITS AT SWITCHBOARDS, PANELBOARDS, ETC., SHALL BE MARKED USING AN ENGRAVED BRASS TAG ATTACHED TO THE CONDUIT.
  - EXISTING FEEDER CONDUITS SHALL BE REMOVED OR CUT OFF AND ABANDONED IF FOUND TO BE UNSALVAGEABLE BY THE OWNER, ARCHITECT OR ENGINEER.
- EXISTING EQUIPMENT NOT IMPLICITLY SHOWN ON THE DRAWINGS IS INTENDED TO BE "EXISTING TO REMAIN," UNLESS NOTED OTHERWISE.

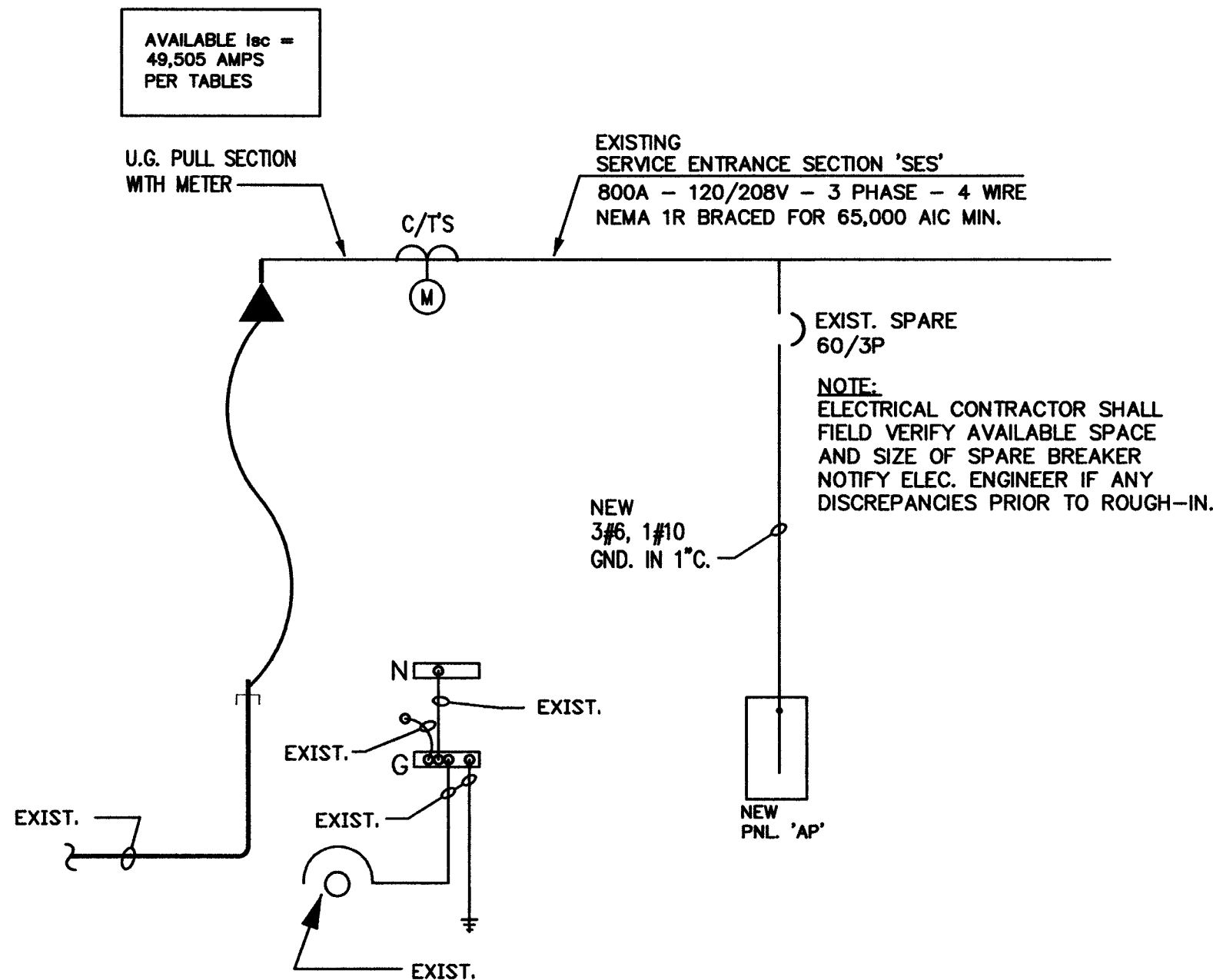
PANELBOARD				AP		SCHEDULE	
MAINS: 60A MLD				LOAD-VA		LOCATION: SEE PLAN	
VOLTAGE: 120/240V, 3Ø, 3W				MOUNTING SURFACE		MIN. A.I.C. 42/10K SERIES RATED	
TYPE: EATON, SQ. D OR EQUAL				CIR. NO.		CIRCUIT DESCRIPTION	
CIRCUIT DESCRIPTION				BKR.		RECEPT'S.	
LIGHTS				1		1	
				2		2	
				3		3	
				4		4	
				5		5	
				6		6	
				7		7	
				8		8	
RECEPT'S.				9		9	
				10		10	
SPARE				11		11	
SPARE				12		12	
SPARE				13		13	
SPARE				14		14	
SPACE				15		15	
				16		16	
				17		17	
				18		18	
				19		19	
				20		20	
				21		21	
				22		22	
				23		23	
				24		24	
TOTAL LOAD PER PHASE						H0	

ABBREVIATIONS

- N NEW LIGHT OR DEVICE
- EX EXISTING LIGHT OR DEVICE TO REMAIN
- RE EXISTING LIGHT OR DEVICE TO BE RELOCATED  
EXTEND CIRCUITING AS REQUIRED IF NOT SHOWN.
- ER RELOCATED LIGHT OR DEVICE
- RM REMOVE LIGHT OR DEVICE
- A.F.F. ABOVE FINISHED FLOOR ( ¢ OF OUTLET )
- A.F.G. ABOVE FINISHED GRADE ( ¢ OF OUTLET )
- E.C. EMPTY CONDUIT
- UNO UNLESS OTHERWISE NOTED
- FBO FURNISHED BY OTHERS
- NL NIGHT LIGHT
- TYP TYPICAL

NOTE:

- 1.) ALL SUB-PANELS, SERVICE EQUIPMENT, AND EQUIPMENT DISCONNECTS SHALL BE PROVIDED WITH THE WORKING CLEARANCES REQUIRED BY THE NEC.



PARTIAL EXISTING ONE LINE DIAGRAM

N.T.S.

Schedule										
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Lumens Per Lamp	Light Loss Factor	Wattage
☼	SA	6	JUNO LIGHTING	PL2-A25-4K-UN-5-SL	ACQUILITE PARKLUME, PL2 SERIES LED BOLLARD SHAFT HEAVY GAUGE EXTRUDED ALUMINUM, CAST ALUMINUM TOP & BOTTOM TYPE V DISTRIBUTION	LED LUMINAIRE OUTPUT = 2525 LMS	1	2524	0.91	49.6
□	SB	63	RAB LIGHTING	FSLEDH3YY/120	RECESSED STEP LIGHT BRONZE 2700K	LED	1	34	0.91	3.0
○—○	SC	-	NORMAN LAMPS INC.	E26/B/5024-120	LIGHT BULB STRINGERS E-26 MEDIUM BASE COMMERCIAL GRADE LED S14 (FIELD VERIFY LENGHT)	LED-S14-WVV	-	210		1.80
△	SD	3	RAB LIGHTING	HB101A	BULLET DESIGN DURABLE ONE PIECE MOUNTING ARM WITH DOUBLE FIXTURE BRACKET 150 WATT PAR38 MAX LAMP NOT INCLUDED, LAMP SHALL BE SELECTED AND PROVIDE BY OWNER	LED	1	-		-

ELECTRICAL DESIGN & CADD SERVICES INC.  
1600 LAMB LANE  
PRESCOTT, AZ. 86305  
PH: (928) 776-4900  
FAX (928) 776-7800  
E-MAIL: EES@CABLEONE.NET

REVISIONS	BY

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W. Alan Kenson & Associates, P.C.



P.O. Box 11593  
Prescott, AZ 86304  
F 928-443-5815  
email: waka@cableone.net  
www.kenson-associates.com

ARCHITECTURE & PLANNING

DRAWING: Electrical One-Line Diagram, Symbols, Specs., Panel Schedule, Fixture Schedule & Notes

PROJECT: Mingus Amphitheatre  
3700 Willowcreek Rd.  
Prescott, AZ 86301

APN: 106-08-006

DRAWN BY  
R.A.

CHECKED BY  
A.O.

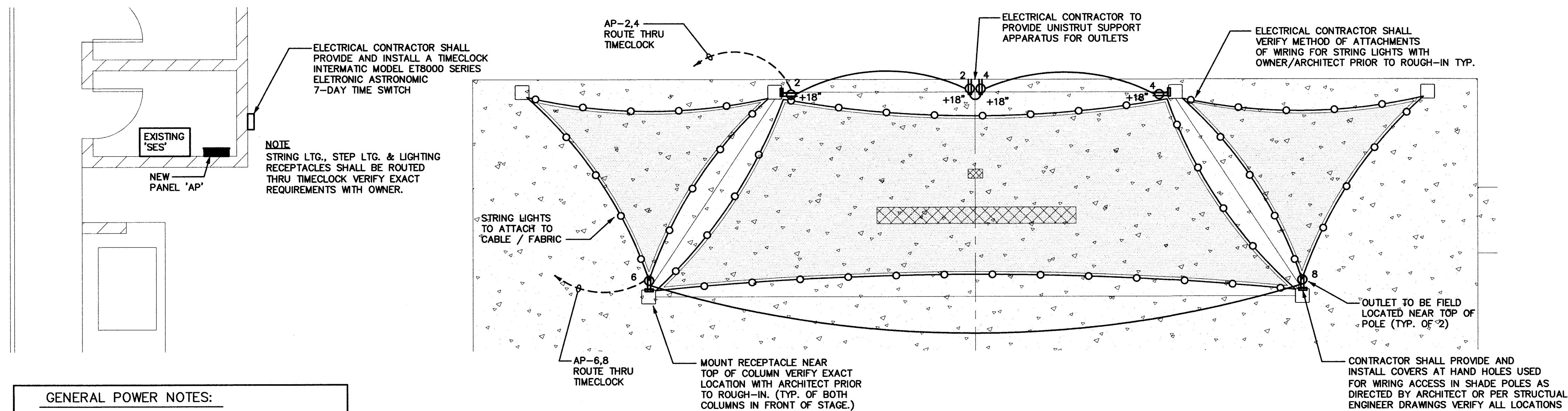
DATE  
4-21-2017

JOB NO.  
701

SHEET

E1.0





#### GENERAL POWER NOTES:

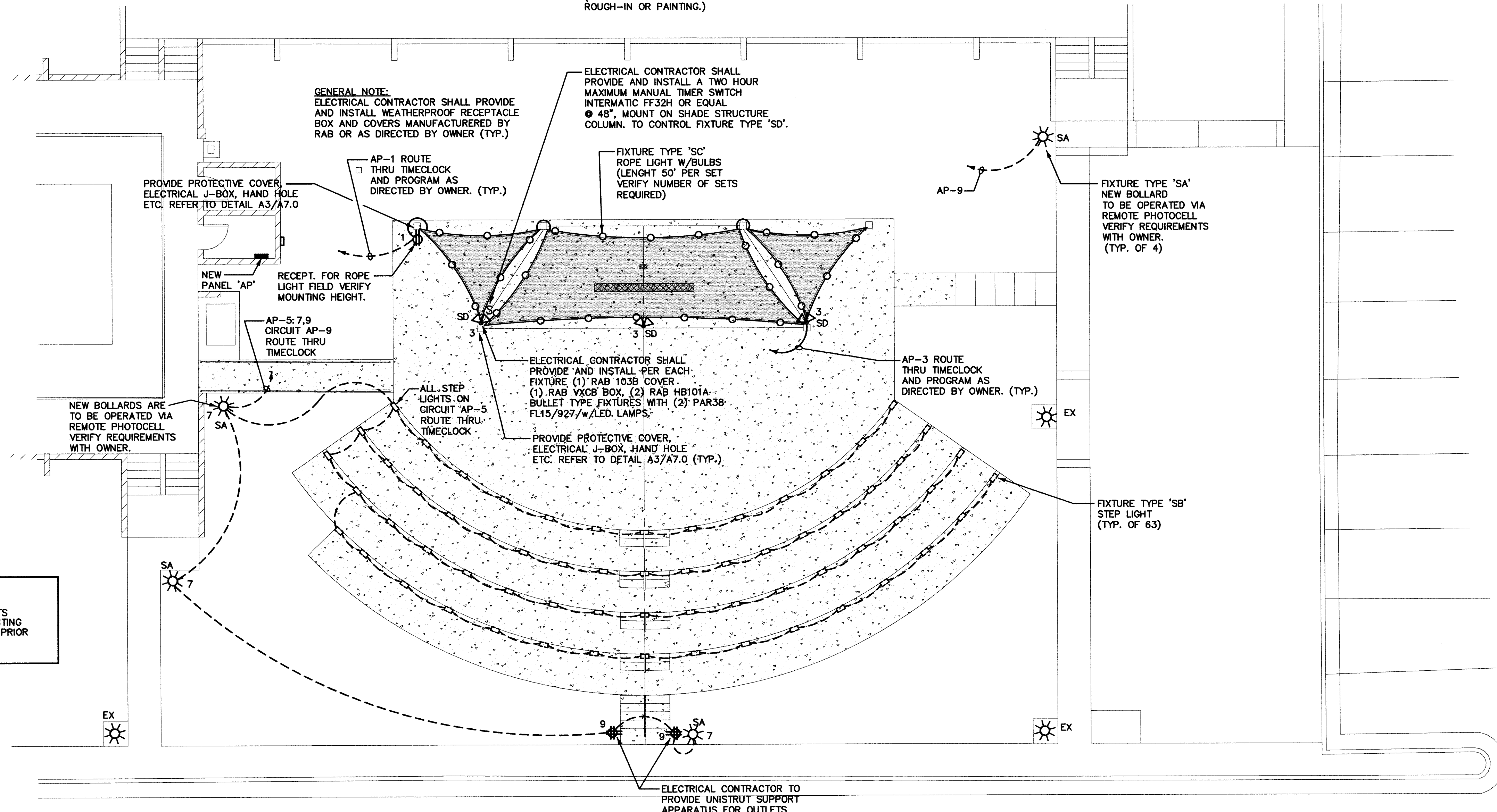
1. CONTRACTOR SHALL VERIFY ALL MOUNTING HEIGHTS EXACT LOCATION AND REQUIREMENTS OF ALL ELECTRICAL EQUIPMENT AND DEVICES WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN.
2. ALL EXTERIOR & COLUMN MOUNTED RECEPT'S. SHALL BE WP, GFCI TYPE PER NEC

### Electrical Power Plan

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



**NOTE TO CONTRACTOR**  
CONCEAL CONDUITS AND JUNCTION BOXES WITH SPECIAL METAL COVERS AND PAINT WITH SW Kern-Kromik Raven Black TO MATCH POSTS AS DIRECTED BY ARCHITECT/OWNER (VERIFY REQUIREMENTS PRIOR TO ROUGH-IN OR PAINTING.)



#### GENERAL LIGHTING NOTES:

1. CONTRACTOR SHALL VERIFY ALL MOUNTING HEIGHTS EXACT LOCATION AND REQUIREMENTS OF ALL LIGHTING FIXTURES AND SWITCHES WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN.

### Electrical Lighting & Power Plan

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



**ELECTRICAL DESIGN & CADD SERVICES INC.**  
1600 LAMB LANE  
PRESCOTT, AZ. 86305  
PH. (928) 776-4900  
FAX (928) 776-7800  
E-MAIL: EES@CABLEONE.NET

JOB# 17-28

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**W. Alan Kenson & Associates, P.C.**  
P.O. Box 11593  
Prescott, AZ 86304  
P 928-443-5812  
F 928-443-5815  
email: waka@cableone.net  
www.kenson-associates.com  
**ARCHITECTURE & PLANNING**

**DRAWING:** Electrical Lighting & Power Plan

**PROJECT:** Mingus Amphitheatre  
3700 Willowcreek Rd.  
Prescott, AZ 86301

**APN:** 106-08-006

**DRAWN BY:** R.A.  
**CHECKED BY:** A.O.  
**DATE:** 4-21-2017  
**JOB NO.:** 701  
**SHEET:**

**E1.1**