# **AMERICAN INDIAN HALL ARBOR**

MONTANA STATE UNIVERSITY, BOZEMAN, MONTANA



# **GENERAL NOTES**

ALL WORK INCLUDED IN THIS CONTRACT, SHALL COMPLY WITH THE LATEST EDITION OF INTERNATIONAL BUILDING CODE, INTERNATIONAL PLUMBING CODE, INTERNATIONAL MECHANICAL CODE, ICC ELECTRICAL CODE, AND ALL OTHER LAWS, CODES, OF LOCAL, COUNTY, STATE, AND LOCAL JURISDICTION INVOLVED.

THE GENERAL CONTRACTOR SHALL VISIT THE SITE PRIOR TO STARTING THE WORK. THE CONTRACTOR SHALL VERIFY GRADES, SITE CONDITIONS, AND COMPARE THAT WITH THE DIMENSIONS SHOWN ON THE DRAWINGS. WHERE CONFLICT EXISTS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT UPON RECOGNITION OF ANY DISCREPANCY.

THE CONTRACTOR SHALL CAREFULLY STUDY ALL PLANS AND DRAWINGS, AND SHALL REPORT IMMEDIATELY TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS THEY MAY DISCOVER. THE CONTRACTOR SHALL NOT WORK WITHOUT DRAWINGS. THE CONTRACTOR SHALL CONSULT THE ARCHITECT OR SUBMIT SHOP DRAWINGS AND/OR LITERATURE TO THE ARCHITECT FOR APPROVAL PRIOR TO STARTING THE WORK.

THE GENERAL CONTRACTOR SHALL GIVE ALL NOTICES AND SHALL COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND ORDERS OF PUBLIC AUTHORITY BEARING ON THE PERFORMANCE OF THE WORK. IF THE CONTRACTOR OBSERVES THAT ANY OF THE CONTRACT DOCUMENTS ARE AT VARIANCE THEREWITH IN ANY RESPECT THEY SHALL PROMPTLY NOTIFY THE ARCHITECT OF ANY CHANGES REQUIRING ADJUSTMENT WITH APPROPRIATE MODIFICATION.

ONLY APPROVED 'CONSTRUCTION SET' MARKED DRAWINGS INCORPORATING ALL ADDENDUM AND DIMENSION CLARIFICATIONS SHALL BE USED DURING THE EXECUTION OF THE WORK.

THE CONTRACTOR SHALL USE WRITTEN DIMENSIONS ONLY, OR AS DIRECTED BY ARCHITECT. THE CONTRACTOR SHALL NOT SCALE DRAWINGS.

CROSS REFERENCES SHOWN ON DRAWINGS DO NOT NECESSARILY INDICATE ALL LIKE CONDITIONS AND DO NOT LIMIT APPLICATION OF ANY DRAWING OR DETAIL. THEY MAY APPLY TO OTHER, SAME, OR SIMILAR CONDITIONS NOT REFERENCED.

INTERIOR WALL DIMENSIONS (FOR NEW WALLS ONLY) ARE TO FACE OF STUD FRAMING UNLESS OTHERWISE NOTED.

SECTION AND INTERIOR ELEVATION DIMENSIONS ARE TO THE TOP OF CONCRETE OR METAL DECKING UNLESS OTHERWISE NOTED.

CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION AND COORDINATION OF SUBCONTRACTORS WORK TO SECURE COMPLIANCE OF DRAWINGS AND SPECIFICATIONS, THE ACCURATE LOCATION OF STRUCTURE MEMBERS, AND OPENINGS FOR MECHANICAL, ELECTRICAL, STAIRS, ELEVATORS, AND MISCELLANEOUS EQUIPMENT.

CONTRACTOR SHALL VERIFY SIZES AND LOCATIONS OF ALL OPENINGS FOR MECHANICAL AND ELECTRICAL EQUIPMENT WITH RESPECTIVE SUB-CONTRACTORS, AS WELL AS SHOP DRAWINGS REVIEWED BY THE ARCHITECT.

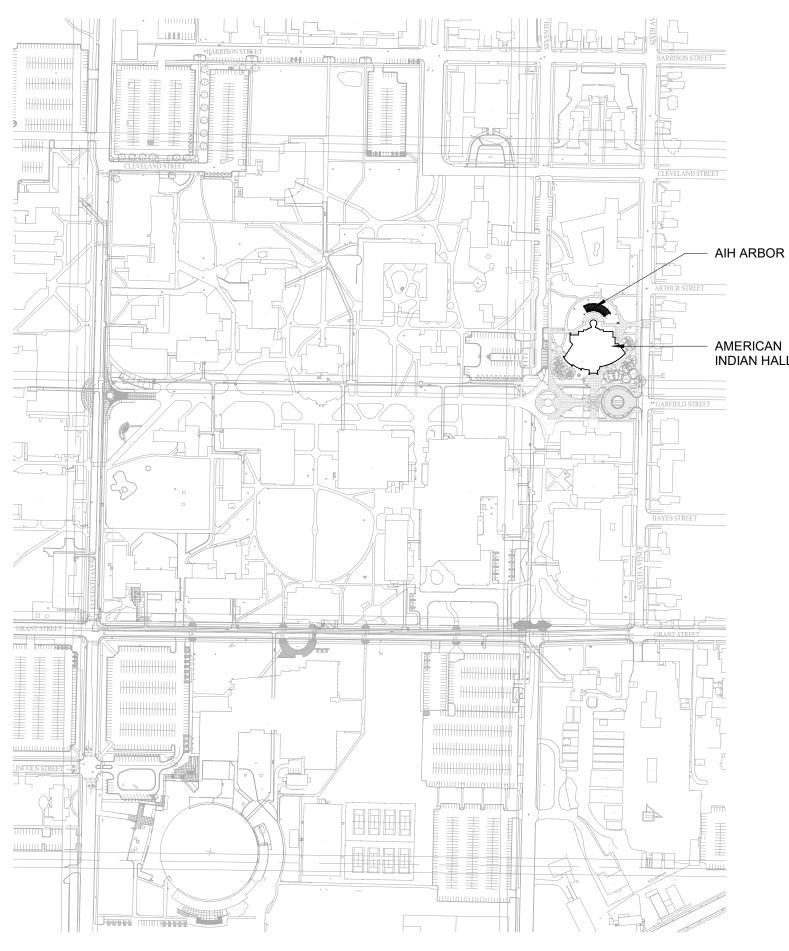
CONTRACTOR SHALL VERIFY ALL ROUGH-IN DIMENSIONS FOR EQUIPMENT AND PROVIDE ALL BUCK-OUT BLOCKING AND BACKING REQUIRED BY THIS CONTRACT AND OTHERS. WHERE PIPING, CONDUIT, AND/OR DUCTS PASS THROUGH FIRE RATED WALLS, PACK AROUND OPENINGS WITH SAFING OR SPRAY INSULATION. PROVIDE FIRE DAMPERS WHERE NECESSARY.

# ABBREVIATIONS

ALUM. ANN.	ALUMINUM ANNUNCIATOR	MECH. MFG. M.R.
3D. 3LCK'G.	BOARD BLOCKING	MTL.
CAB.	CABINET	N.I.C.
CER. CLR. BOARD	CERAMIC CLEARANCE	0.C. 0.S.B.
COMP. CONC. NSTALLED	COMPOSITE CONCRETE	O.F.C.I.
CONF. CORR. C.M.U.	CONFERENCE CORRIDOR CONCRETE MASONRY UNIT	0.F.O.I.
C.T. CUST.	CERAMIC TILE CUSTOM	P. P. LAM.
D.F. DISP. D.M.	DRINKING FOUNTAIN DISPENSER DRYMARK BOARD	P.T. PRE-FIN. PVC.
DR.	DRAWER	R. REC.
E.I.F.S.	EXTERIOR INSULATION FINISH SYSTEM	REG. REST. REQ'D.
E.P.S. ELEV.	EXTRUDED POLYSTYRENE ELEVATION	S. S.C.
F.D. F.E. F.F. F.S. FLR. FDN.	FLOOR DRAIN FIRE EXTINGUISHER FINISH FLOOR FLOOR SINK FLOORING FOUNDATION	S.F. S.V. SIM. SPECS. STOR.
=.O.	FACE OF	Т.В. Т.О.
G.B. GWB GYP. BD.	GYPSUM WALLBOARD GYPSUM WALLBOARD GYPSUM WALLBOARD	T.P. TYP. V.B. V.C.T.
FILE HC. H.M.	HANDICAPPED HOLLOW METAL	VER.
NSUL.	INSULATION	W/ W/O

JANITOR

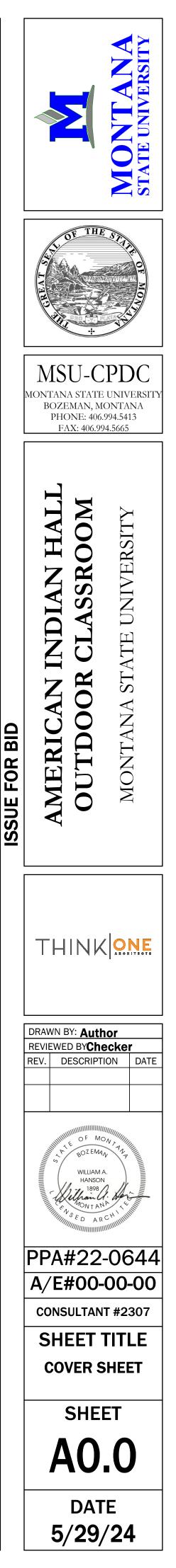
JAN.



VICINITY MAP 1" = 300'-0"

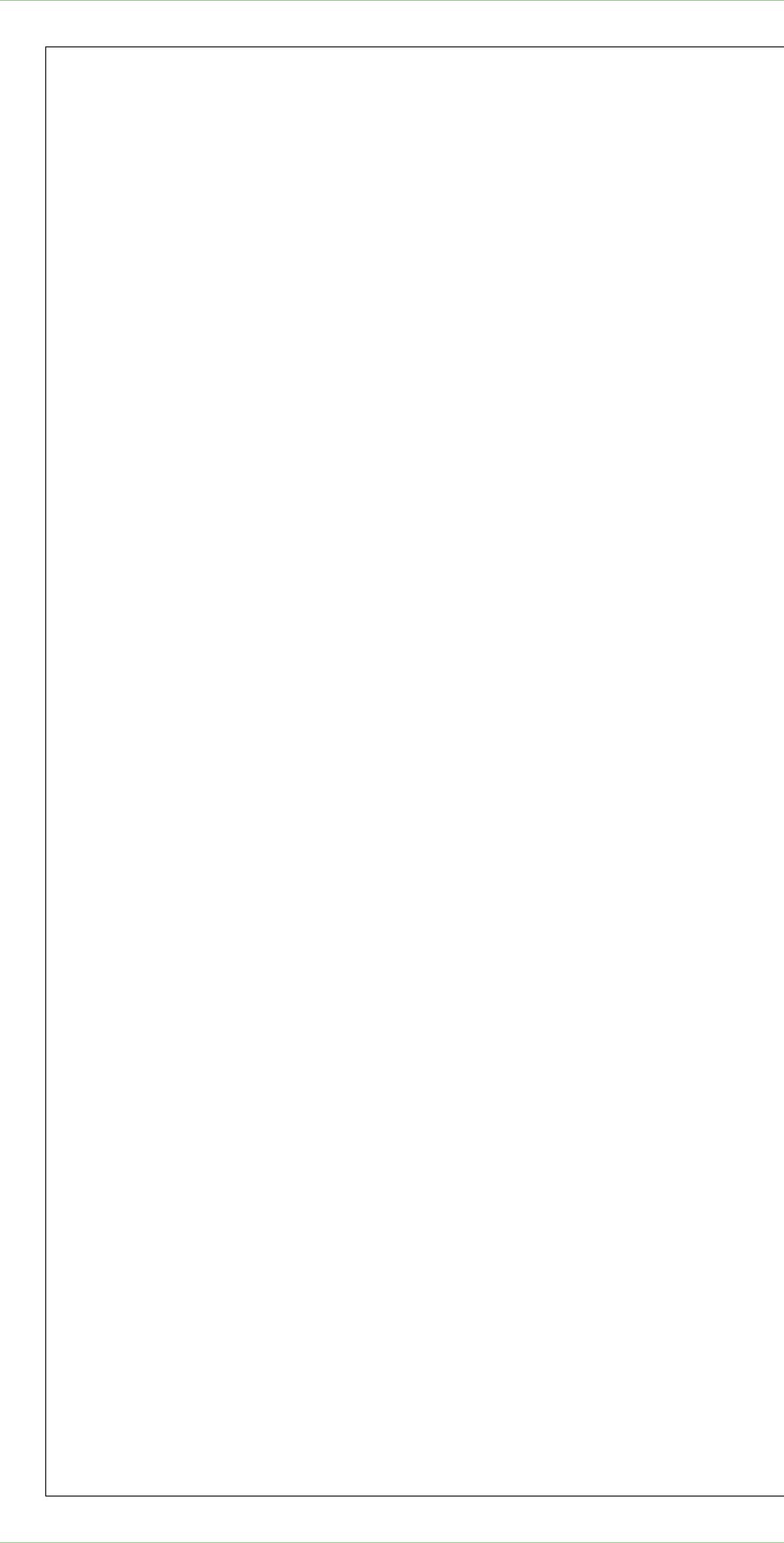
# NOTES AND SYMBOLS

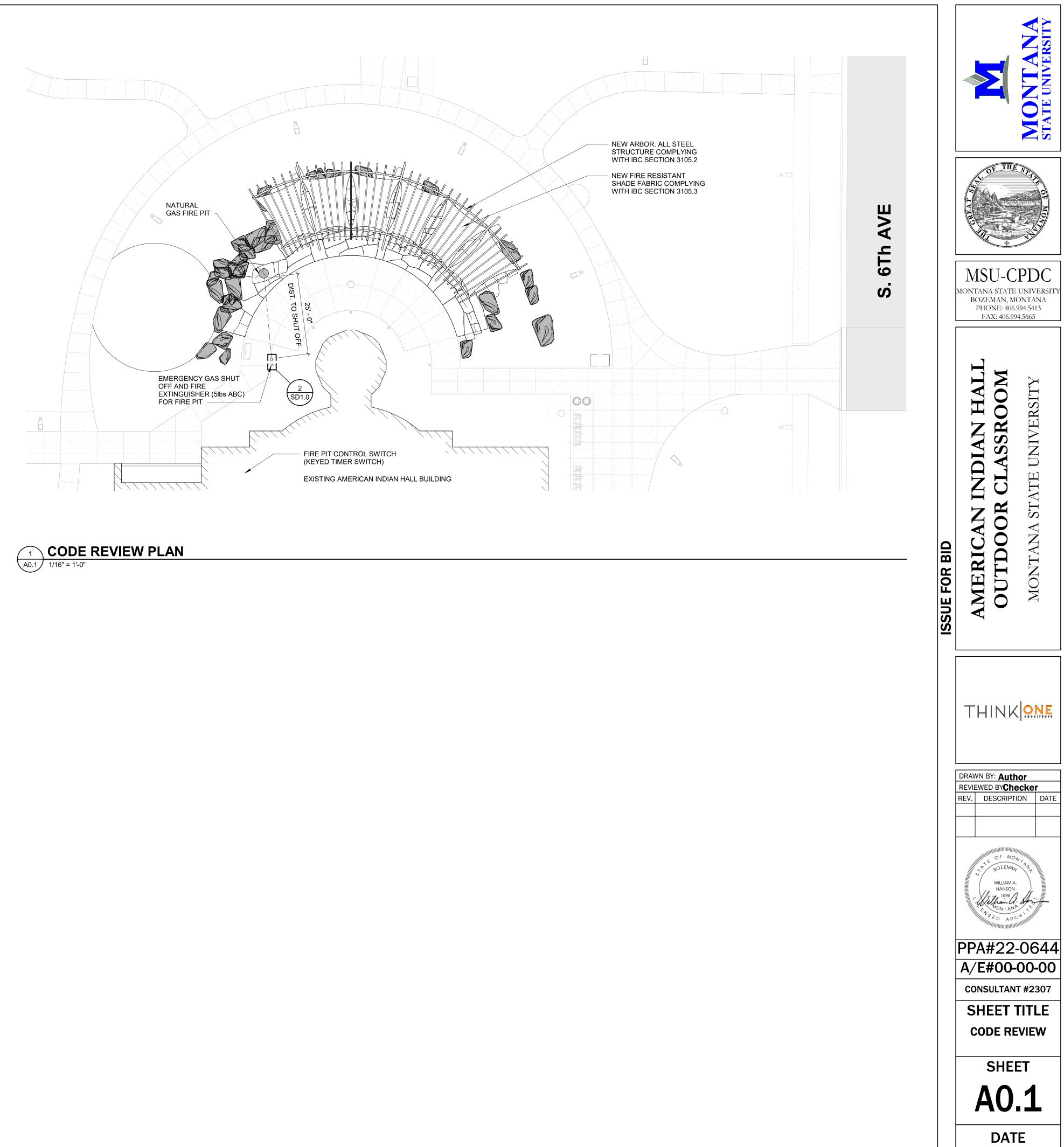
	NOTES	SAND SYMB	OLS		<b>PROJECT TEAM:</b>
MECHANICAL MANUFACTURER MOISTURE RESISTANT METAL	1 A1.0	DETAIL REFERENCE	(100)	DOOR NUMBER	OWNER STATE OF MONTANA HELENA, MONTANA (406) 444-3104
NOT IN CONTRACT					AGENCY
ON CENTER ORIENTED STRAND		SECTION CUT	$\langle A \rangle$	WINDOW TYPE	MONTANA STATE UNIVERSITY BOZEMAN, MONTANA
OWNER FURNISHED CONTRACTOR	A3.0				(406) 994-5413 <b>ARCHITECT</b>
OWNER FURNISHED OWNER INSTALLED		INTERIOR ELEVATION	$\langle 1 \rangle$	NOTE REFERENCE	THINKONE BOZEMAN, MONTANA
PAINT PLASTIC LAMINATE PAPER TOWEL PRE-FINISHED POLYVINYLCHLORIDE	ROOM		Ň		(406) 586-7020 LANDSCAPE DESIGN 5 BOZEMAN, MONTANA
RADIUS RECESSED RESTROOM		ROOM NUMBER		WALL TYPE	(406) 587-4873 <b>STRUCTURAL</b>
REQUIRED	MATEF		ND		MORRISON-MAIERLE, INC. BOZEMAN, MONTANA (406) 587-0721
SOLID CORE SQUARE FEET SHEET VINYL SIMILAR SPECIFICATIONS		EARTH		STEEL	MECH, ELECT, PLUMB. ASSOCIATED CONSTRUCTION ENGINEERING BELGRADE, MONTANA (406) 388-3320
STORAGE TACK BOARD	202202020202020202020 20220202020202020	COMPACTED GRAVEL		FINISH WOOD	
TOP OF TOILET PAPER TYPICAL VAPOR BARRIER VINYL COMPOSITION		CONCRETE		BATT INSUL.	
VERIFY WITH		BRICK		RIGID INSUL.	
WITHOUT		C.M.U.		GYP. BD.	



# **SCHEDULE OF DRAWINGS:**

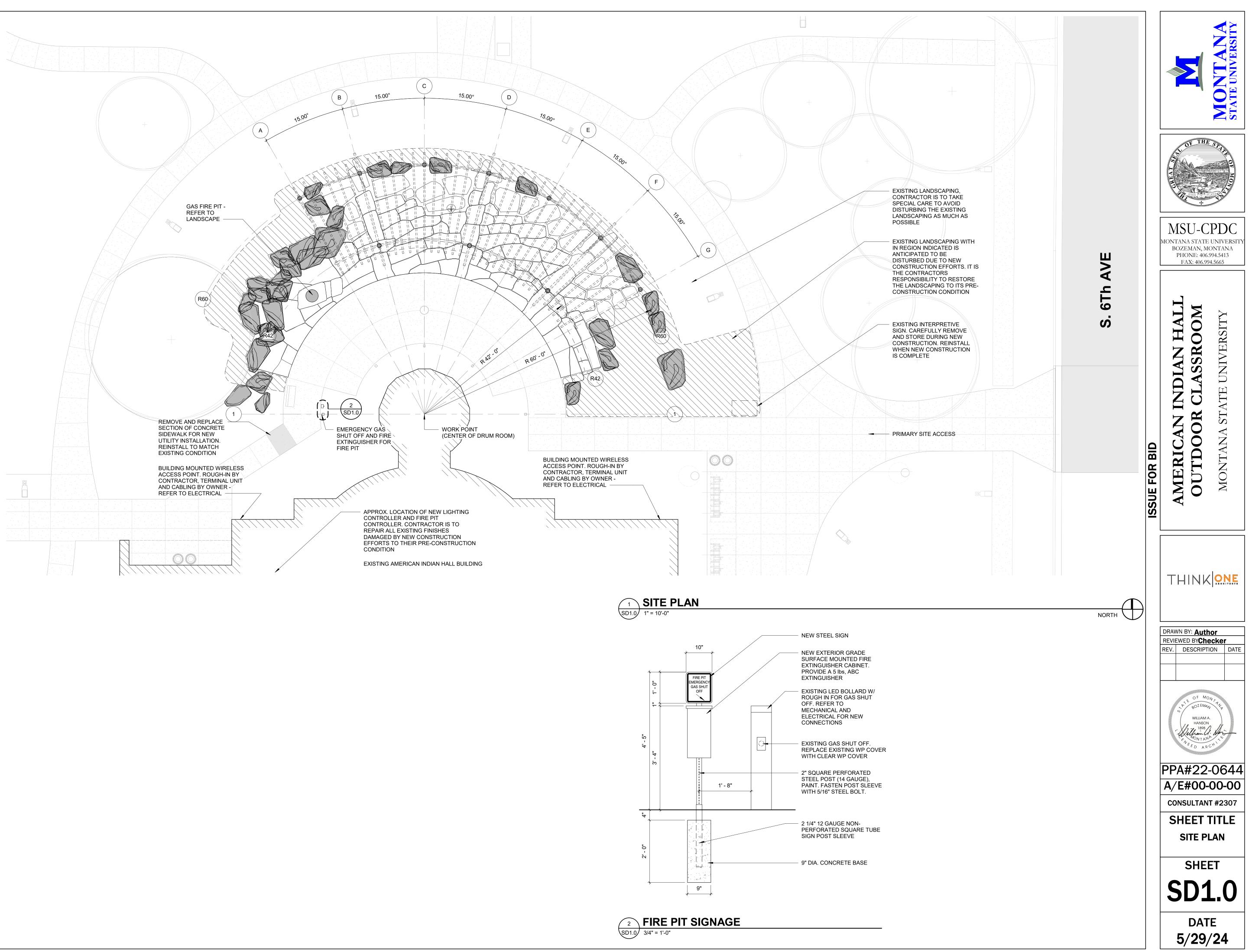
<b>GENER</b>	AL .	
NO.	DRAWING SHEET	
A0.0	COVER SHEET	
A0.1	CODE REVIEW	
SITE DE	VELOPMENT	
NO.	DRAWING SHEET	
SD1.0	ARCHITECTURAL SITE PLAN	
LANDSC	CAPE	
NO.	DRAWING SHEET	
L0.0	LANDSCAPE SITE PLAN	
L0.1	LANDSCAPE LOD CONSTRUCTION PLAN	
L0.2	NOTES AND LEGENDS	
L2.0 L2.1	LANDSCAPE HARDSCAPE LANDSCAPE ENLARGEMENT HARDSCAPE	
L3.0	LANDSCAPE PLANTING PLAN	
L5.0	LANDSCAPE DETAILS SHEET	
L5.1	LANDSCAPE DETAILS SHEET	
L7.0	LANDSCAPE DESIGN INTENT IMAGERY	
STRUCT		
NO.	DRAWING SHEET	
S000	GENERAL STRUCTURAL NOTES	
S001	STATEMENT OF SPECIAL INSPECTIONS	
S102	ARBOR SLAB/FND PLAN	
S102 S103	ARBOR SLAB/FND PLAN OUTDOOR ARBOR FRAMING PLAN	
S102 S103 S104	ARBOR SLAB/FND PLAN OUTDOOR ARBOR FRAMING PLAN OUTDOOR ARBOR SECTION	
S102 S103 S104 <b>ARCHIT</b>	ARBOR SLAB/FND PLAN OUTDOOR ARBOR FRAMING PLAN OUTDOOR ARBOR SECTION ECTURAL	
S102 S103 S104 <b>ARCHIT</b> NO.	ARBOR SLAB/FND PLAN OUTDOOR ARBOR FRAMING PLAN OUTDOOR ARBOR SECTION ECTURAL DRAWING SHEET	
S102 S103 S104 ARCHIT NO. A1.0	ARBOR SLAB/FND PLAN OUTDOOR ARBOR FRAMING PLAN OUTDOOR ARBOR SECTION ECTURAL DRAWING SHEET FIRST FLOOR PLAN	
S102 S103 S104 ARCHIT NO. A1.0 A1.1	ARBOR SLAB/FND PLAN OUTDOOR ARBOR FRAMING PLAN OUTDOOR ARBOR SECTION ECTURAL DRAWING SHEET FIRST FLOOR PLAN ROOF PLAN & RCP	
S102 S103 S104 ARCHIT NO. A1.0 A1.1 A2.0	ARBOR SLAB/FND PLAN OUTDOOR ARBOR FRAMING PLAN OUTDOOR ARBOR SECTION ECTURAL DRAWING SHEET FIRST FLOOR PLAN ROOF PLAN & RCP EXTERIOR ELEVATIONS	
S102 S103 S104 ARCHIT NO. A1.0 A1.1	ARBOR SLAB/FND PLAN OUTDOOR ARBOR FRAMING PLAN OUTDOOR ARBOR SECTION ECTURAL DRAWING SHEET FIRST FLOOR PLAN ROOF PLAN & RCP	
S102 S103 S104 <b>ARCHIT</b> NO. A1.0 A1.1 A2.0 A2.1	ARBOR SLAB/FND PLAN OUTDOOR ARBOR FRAMING PLAN OUTDOOR ARBOR SECTION ECTURAL DRAWING SHEET FIRST FLOOR PLAN ROOF PLAN & RCP EXTERIOR ELEVATIONS EXTERIOR PERSPECTIVES SECTIONS AND DETAILS	
S102 S103 S104 ARCHIT NO. A1.0 A1.1 A2.0 A2.1 A3.0	ARBOR SLAB/FND PLAN OUTDOOR ARBOR FRAMING PLAN OUTDOOR ARBOR SECTION ECTURAL DRAWING SHEET FIRST FLOOR PLAN ROOF PLAN & RCP EXTERIOR ELEVATIONS EXTERIOR PERSPECTIVES SECTIONS AND DETAILS	
S102 S103 S104 ARCHIT NO. A1.0 A1.1 A2.0 A2.1 A3.0 PLUMBI	ARBOR SLAB/FND PLAN OUTDOOR ARBOR FRAMING PLAN OUTDOOR ARBOR SECTION ECTURAL DRAWING SHEET FIRST FLOOR PLAN ROOF PLAN & RCP EXTERIOR ELEVATIONS EXTERIOR PERSPECTIVES SECTIONS AND DETAILS	
S102 S103 S104 ARCHIT NO. A1.0 A1.1 A2.0 A2.1 A3.0 PLUMBI NO.	ARBOR SLAB/FND PLAN OUTDOOR ARBOR FRAMING PLAN OUTDOOR ARBOR SECTION ECTURAL DRAWING SHEET FIRST FLOOR PLAN ROOF PLAN & RCP EXTERIOR ELEVATIONS EXTERIOR PERSPECTIVES SECTIONS AND DETAILS NG DRAWING SHEET PLUMBING PLANS	
S102 S103 S104 ARCHIT NO. A1.0 A1.1 A2.0 A2.1 A3.0 PLUMBI NO. P1.0	ARBOR SLAB/FND PLAN OUTDOOR ARBOR FRAMING PLAN OUTDOOR ARBOR SECTION ECTURAL DRAWING SHEET FIRST FLOOR PLAN ROOF PLAN & RCP EXTERIOR ELEVATIONS EXTERIOR PERSPECTIVES SECTIONS AND DETAILS NG DRAWING SHEET PLUMBING PLANS	
S102 S103 S104 ARCHIT NO. A1.0 A1.1 A2.0 A2.1 A3.0 PLUMBI NO. P1.0 ELECTR	ARBOR SLAB/FND PLAN OUTDOOR ARBOR FRAMING PLAN OUTDOOR ARBOR SECTION ECTURAL DRAWING SHEET FIRST FLOOR PLAN ROOF PLAN & RCP EXTERIOR ELEVATIONS EXTERIOR PERSPECTIVES SECTIONS AND DETAILS NG DRAWING SHEET PLUMBING PLANS	

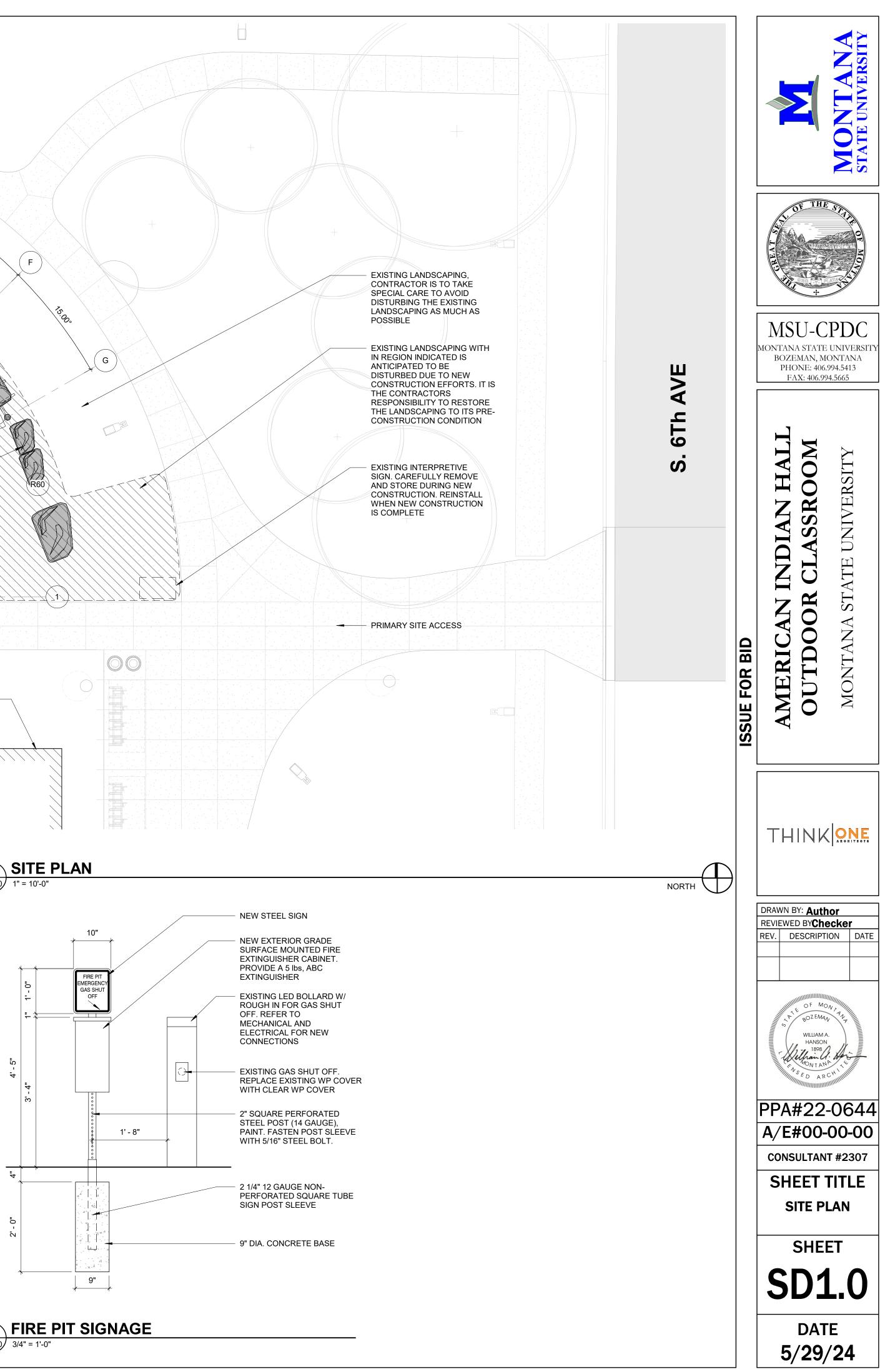




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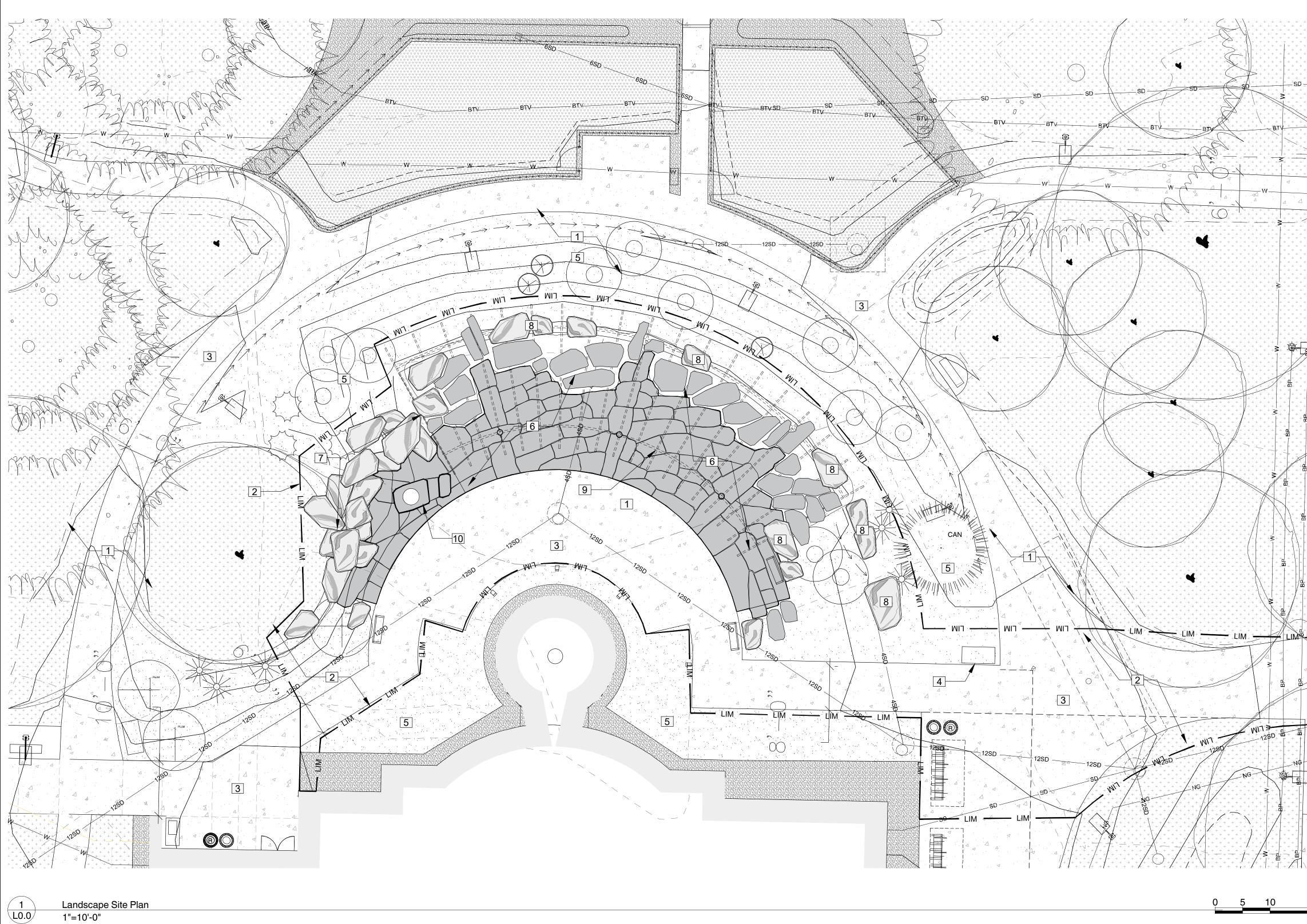


## SHEET INDEX

- L0.0 LANDSCAPE SITE PLAN L0.1 LANDSCAPE LOD CONSTRUCTION PLAN L0.2 NOTES AND LEGENDS L2.0 LANDSCAPE HARDSCAPE L2.1 LANDSCAPE ENLARGEMENT HARDSCAPE L3.0 LANDSCAPE PLANTING PLAN
- L5.0 LANDSCAPE DETAILS SHEET L5.1 LANDSCAPE DETAILS SHEET
- L7.0 LANDSCAPE DESIGN INTENT IMAGERY

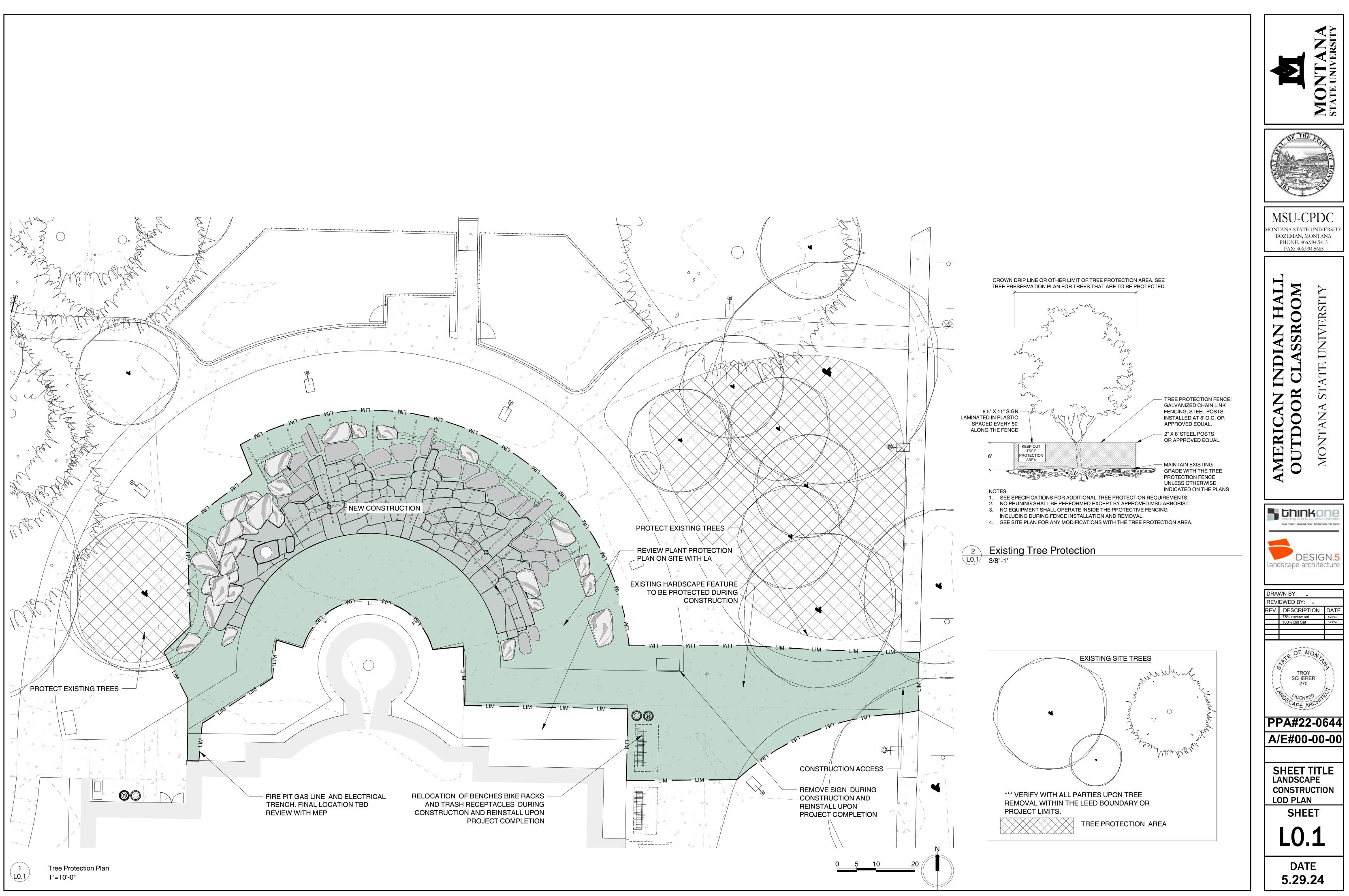
## KEYNOTES

- 1 EXISTING LANDSCAPING
- 2 LANDSCAPE PHASE 2 LIMIT OF DISTURBANCE
- 3 EXISTING CONCRETE WALKS AND DRIVES
- 4 SIGN TO BE REMOVED AND REINSTALL UPON PROJECT COMPLETION
- 5 EXISTING PLANTING BEDS TO BE PROTECTED
- 6 JUMBO FORMAT FLAGSTONE WINDSOR GRAY
- 7 STACKED BOULDER SITTING AREA DEEP CREEK
- 8 BEAM BOULDERS DEEP CREEK
- 9 ARBOR SEE STRUCTURAL
- 10 BOULDER FIRE PIT WITH MATCHING SEAT TO MATCH SITE BOULDERS



SITE MATERIALS SCHEDU	JLE SITE STONE SCHEDULE	
SYMBOL PRODUCT	SYMBOL PRODUCT	
NATIVE SEED	DEEP CREEK FIRE PIT	
	13 BOULDERS	
<u> + + + + + + + + + + + + + + + + + + +</u>		
WOOD MULCH	20 1 19	
MINI NUGGET	24 25	
	27	
ROCK BARK MULCH	30 29	VOF THE STAT
		5000
PERENNIAL	BEAM BOULDERS	Month and a second
AND SHRUB BEDS		
EXISTING		+
		MSU-CPDC
	JUMBO FORMAT FLAGSTONE	MONTANA STATE UNIVERSITY
		BOZEMAN, MONTANA PHONE: 406.994.5413 FAX: 406.994.5665
SD O	SITE AMENITY SCHEDULE	
	SYMBOL PRODUCT	IAL OM SITY
		IAN HA SSROOI
	BOULDER FIRE PIT	AN SSR NIVI
	AND BENCH	IAN SSR UNIVE
		<b>MERICAN INI</b> OUTDOOR CL MONTANA STATE
		<b>N</b> <b>OR</b> A ST
		AN OC
		MERI OUTI MONT
HATCH PATTERN AND LI	NE TYPE LEGEND	
		<b>thinkone</b>
$ \begin{array}{c} \mathbf{z} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	NATIVE GRASS SEED MIX	sheping bile builb environmenb
	ROCK BARK MULCH	
		DESIGN.5
	WOOD MULCH VEGETABLE GARDENS	landscape architecture
9		
	CRUSHER FINES : -OUTDOOR CLASS ROOM PATIO - REVIEW SITE	DRAWN BY: _ REVIEWED BY: _
	CONDITIONS FOR NEW STONE WORK	REV. DESCRIPTION DATE 75% review set 4/24/24
. ⊲ Ś	BURIED TELEPHONE	100% Bid Set 5/29/24
ss ss ss	SEWER LINE	
ww	WATER LINE	RE OF MONTAN
BP BP BP	BURIED POWER	767 TROY SCHERER
SD SD SD	STORM DRAIN	270 5
OHP	OVERHEAD POWER	OSCAPE ARCHING
	EXISTING IRRIGATION	PPA#22-0644
NGNG	NATURAL GAS	A/E#00-00-00
	PHASE 2 LIMIT BOUNDARY	
	PROPOSED MAJOR CONTOUR	
	PROPOSED MINOR CONTOUR	SHEET TITLE LANDSCAPE
	EXISTING MAJOR CONTOUR	SITE PLAN
	EXISTING MINOR CONTOUR	SHEET
SEE SHEET		
L0.2 FOR FULL SCHEDULE	S	L0.0
N		
		DATE

DATE 5.29.24



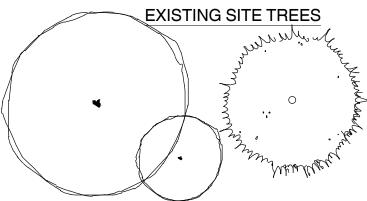
SYMBOL	PRODUCT	QUANTITY	DESCRIPTION	CONTACT	SYMBOL LE	ENGTH V	VIDTH	HEIGHT	BURIED DEP	TH DESCRIPTION	
12	DEEP CREEK FIRE PIT	19 EACH BOULDERS	TYPE: DEEP CREEK SIZE SEE BOULDER SCHEDULE	SELECT STONE 1-888-237-1000	1 0	4'-6"	2'-6"	2'-0"	6"-8" MIN	SITTING BOULDERS	
13	BOULDERS	POOLDEUG	COLOR: GRAYS AND EARTH TONS	INFO@SELECTSTONE.COM	2 2	7'-0"	3'-0"	3'-0"	6"-8" MIN	LANDSCAPE	
17 16 15 20 $19$ 19			SEE SHEETS L2.0,L2.1, L5.0 DETAIL 11 & L5.1 DETAILS 1 & 2;SEE SHEET L7.0 FOR DESIGN				3'-0"	2'-6"	6"-8" MIN	LANDSCAPE	
24 25 23 28 29			NOTES:FEATURE BOULDER TO BE SELECTED AND OR REVIEWED WITH LANDSCAPE ARCHITECT				2'-6" 2'-6"	2'-0" 3'-0"	6"-8" MIN	SITTING BOULDERS SITTING BOULDERS	
30 29							2'-6" 3'-0"	3'-0" 2'-0"	6"-8" MIN	SITTING BOULDERS	
	DEEP CREEK	11 EACH	TYPE: DEEP CREEK (RECTILINEAR)	SELECT STONE			2'-6"	2'-0"	6"-8" MIN	SITTING BOULDERS	
	BEAM BOULDERS		SIZE SEE BOULDER SCHEDULE COLOR: GRAYS AND EARTH TONS	1-888-237-1000 INFO@SELECTSTONE.COM			2'-6"	2'-0"	6"-8" MIN	SITTING BOULDERS	
88			SEE SHEETS L2.0,L2.1, L5.0 DETAIL 11 & L5.1 DETAILS 1 & 2 NOTES:FEATURE BOULDER TO BE		10 11		2'-6" 3'-0" 3'-0"	2'-0" 2'-0" 2'-6"	6"-8" MIN	SITTING BOULDERS SITTING BOULDERS SITTING BOULDERS	
0 0			SELECTED AND OR REVIEWED WITH LANDSCAPE ARCHITECT			-	4'-0"	2'-0"		LANDSCAPE	
·	JUMBO FORMAT	APPROX. 1,950 SF	TYPE: WINDSOR GRAY SIZE: JUMBO FORMAT & 2"	SELECT STONE 1-888-237-1000	15	4'-0" 6'-0" 8'-6"	3'-0" 3'-0" 3'-0"	2'-0" 2'-0" 1'-6"	6"-8" MIN	SITTING BOULDERS- SUPPORT	
	FLAGSTONE (WINDSOR	.,	THICKNESS COLOR: GRAY AND GRAY TANS	INFO@SELECTSTONE.COM	17	7'-0"	2'-0"	1'-6"	G" 9" MINI	STACKED ACCENT SLANTED ACCENT	
	GRAY)		SHEET L5.1 DETAILS 3-6; SEE SHEET L7.0 FOR FLAGSTONE DESIGN		18 19 20 20 20 20 19	5'-0"	3'-0" 3'-0" 3'-0" 2'-0"	2'-0" 2'-0" 2'-0"	6"-8" MIN	SITTING BOULDERS- SUPPORT	
			LAYOUT INTENT NOTES:REVIEW LAYOUT WITH LA FOR		22 24 25			2'-0" 2'-0" 2'-0" 2'-0"	6"-8" MIN	STACKED ACCENT SITTING BOULDERS- SUPPORT	
			APPROVAL				4'-6" 3'-0" 2'-0" 3'-0"	2'-0" 1'-6" 1'-6"		SLANTED ACCENT STACKED ACCENT	
STONE INSTAL						5'-6"	3'-0" 3'-0" 2'-0"	2'-0"		SITTING BOULDERS- SUPPORT SITTING BOULDERS- SUPPORT	
A PARA	JUMBO FORMAT FLAGSTONE	APPROX. 700 SF	INSTALL: NATURAL CUT AND FIT STONE SET ON 4" CONCRETE RAT	CONTRACTOR	28		2'-0" 2'-0"	2'-0" 2'-0" 2'-0"	6"-8" MIN	STACKED ACCENT LANDSCAPE	
A A	(WINDSOR GRAY)		SLAB W/ #4 REBAR SEE SHEET L5.1 DETAILS 3 & 4				2'-6"	3'-0"	6"-8" MIN	LANDSCAPE	
	MORTAR SET		NOTES: STONE LAYOUT INTENT PER PLAN. $\frac{1}{4}$ "- $\frac{1}{2}$ MAX JOINTS-REVIEW		*** SIZES ARE AF					INTENT	
m n	JUMBO FORMAT	APPROX.	GROUT TYPE & COLOR ON SITE INSTALL: NATURAL CUT AND FIX	CONTRACTOR	FEATURE BO	BY LANDS	CAPE A	ARCHITE			
	FLAGSTONE (WINDSOR	790 SF	SAND SET STONE. SEE SHEET L5.1 DETAILS 3,5 & 6		PLACED PER	DESIGN	LOCAT	IONS			
	GREY) TIGHT JOINT FIT		NOTES: STONE LAYOUT INTENT PER								
	SAND SET		PLAN. <sup>1</sup> / <sub>2</sub> " JOINTS	CONTRACTOR	_						
			PLAN. 2" JOINTS INSTALL: LOOSE JOINT NATURAL STONE. SAND SET SEE SHEET L 5.1 DETAILS 5 & 6 NOTES:STONE LAYOUT INTENT PER PLAN. JOINT SIZE 3"-6" PER PLAN THYME PLANTING WITH-IN GAPS	CONTRACTOR							
SITE AMENITY	SAND SET JUMBO FORMAT FLAGSTONE (WINDSOR GREY) LOOSE JOINT SAND SET	APPROX.	INSTALL: LOOSE JOINT NATURAL STONE. SAND SET SEE SHEET L 5.1 DETAILS 5 & 6 NOTES:STONE LAYOUT INTENT PER PLAN. JOINT SIZE 3"-6" PER PLAN	CONTRACTOR	FLAGSTON	E BAS	SE LA	YOUT	SCHEDU	LE	
SYMBOL	SAND SET JUMBO FORMAT FLAGSTONE (WINDSOR GREY) LOOSE JOINT SAND SET	APPROX.	INSTALL: LOOSE JOINT NATURAL STONE. SAND SET SEE SHEET L 5.1 DETAILS 5 & 6 NOTES:STONE LAYOUT INTENT PER PLAN. JOINT SIZE 3"-6" PER PLAN THYME PLANTING WITH-IN GAPS	CONTACT	FLAGSTON SYMBOL		PROD	UCT	QUANTITY	DESCRIPTION	CONTACT
SYMBOL	SAND SET JUMBO FORMAT FLAGSTONE (WINDSOR GREY) LOOSE JOINT SAND SET	APPROX. 480 SF	INSTALL: LOOSE JOINT NATURAL STONE. SAND SET SEE SHEET L 5.1 DETAILS 5 & 6 NOTES:STONE LAYOUT INTENT PER PLAN. JOINT SIZE 3"-6" PER PLAN THYME PLANTING WITH-IN GAPS DESCRIPTION SIZE: APPROX 6'-6"X18"X4' CUSTOM BOULDER FIRE PIT W/ COVER BURNER: CFBO 360k BTUS WARMING TRENDS; FILL WITH FIRE PEBBLES- SKU AFG-LSTONE-CG-15 IGNITION: 24V ELECTRONIC IGNITION					UCT TE B			CONTACT CONTRACTOR
SYMBOL	SAND SET JUMBO FORMAT FLAGSTONE (WINDSOR GREY) LOOSE JOINT SAND SET SCHEDULE PRODUCT BOULDER FIRE PIT	APPROX. 480 SF	INSTALL: LOOSE JOINT NATURAL STONE. SAND SET SEE SHEET L 5.1 DETAILS 5 & 6 NOTES:STONE LAYOUT INTENT PER PLAN. JOINT SIZE 3"-6" PER PLAN THYME PLANTING WITH-IN GAPS DESCRIPTION SIZE: APPROX 6'-6"X18"X4' CUSTOM BOULDER FIRE PIT W/ COVER BURNER: CFBO 360k BTUS WARMING TRENDS; FILL WITH FIRE PEBBLES- SKU AFG-LSTONE-CG-15 IGNITION: 24V ELECTRONIC IGNITION WITH MANUAL ON / OFF AND EMERGENCY SHUT OFF SEE SHEETS L 2.0, L2.1, & L5.1 DETAILS 2,7 & 8 NOTE:18"X4'X2' MATCHING BOULDER	CONTACT BOULDER AND MECHANICS MONTANA HARDSCAPES 406-579-6554 MONTANAHARDSCAPES.COM PEBBLES AND COVER MONTANA FIRE PITS 2302 MCDONALD AVE	SYMBOL		PROD ONCRE AT SLA ORTAR	UCT TE B SET	QUANTITY 700 SF 790 SF	DESCRIPTIONINSTALL: 4" CONCRETE RAT SLABW/ #7 REBARSEE SHEET L5.1 DETAILS 3 & 4NOTES: MORTAR SET FLAGSTONE $\frac{1}{4}$ "- $\frac{1}{2}$ " JOINT GAPINSTALL: GRAVEL AND SAND BASESEE SHEET L5.1 DETAILS 3,5 &6NOTES: SAND SET FLAGSTONESTONE. REVIEW SITE CONDITIONS $\frac{1}{2}$ " JOINT GAP	CONTRACTOR
SYMBOL	SAND SET JUMBO FORMAT FLAGSTONE (WINDSOR GREY) LOOSE JOINT SAND SET SCHEDULE PRODUCT BOULDER FIRE PIT AND BENCH	APPROX. 480 SF	INSTALL: LOOSE JOINT NATURAL STONE. SAND SET SEE SHEET L 5.1 DETAILS 5 & 6 NOTES:STONE LAYOUT INTENT PER PLAN. JOINT SIZE 3"-6" PER PLAN THYME PLANTING WITH-IN GAPS DESCRIPTION SIZE: APPROX 6'-6"X18"X4' CUSTOM BOULDER FIRE PIT W/ COVER BURNER: CFBO 360k BTUS WARMING TRENDS; FILL WITH FIRE PEBBLES- SKU AFG-LSTONE-CG-15 IGNITION: 24V ELECTRONIC IGNITION WITH MANUAL ON / OFF AND EMERGENCY SHUT OFF SEE SHEETS L 2.0, L2.1, & L5.1 DETAILS 2,7 & 8 NOTE:18"X4'X2' MATCHING BOULDER BENCH POLISHED ONE FACE AND	CONTACT BOULDER AND MECHANICS MONTANA HARDSCAPES 406-579-6554 MONTANAHARDSCAPES.COM PEBBLES AND COVER MONTANA FIRE PITS 2302 MCDONALD AVE MISSOULA, MT 59801	SYMBOL		PROD ONCRE AT SLA ORTAR	UCT TE B SET T BASE DINT	QUANTITY 700 SF 790 SF 790 SF STONE BASI 340 SF PLANTING SC	DESCRIPTION      INSTALL: 4" CONCRETE RAT SLAB      W/ #7 REBAR      SEE SHEET L5.1 DETAILS 3 & 4      NOTES: MORTAR SET FLAGSTONE      1 <sup>+</sup> - 1 <sup>+</sup> JOINT GAP      INSTALL: GRAVEL AND SAND BASE      SEE SHEET L5.1 DETAILS 3,5 &6      NOTES: SAND SET FLAGSTONE      STONE. REVIEW SITE CONDITIONS      1 <sup>+</sup> JOINT GAP      INSTALL: LOOSE JOINT NATURAL      STONE. SAND SET      SEE SHEET L 5.1 DETAILS 5 & 6      IL NOTES: SAND SET FLAGSTONE	CONTRACTOR
SYMBOL	SAND SET JUMBO FORMAT FLAGSTONE (WINDSOR GREY) LOOSE JOINT SAND SET SCHEDULE PRODUCT BOULDER FIRE PIT AND BENCH	APPROX. 480 SF	INSTALL: LOOSE JOINT NATURAL STONE. SAND SET SEE SHEET L 5.1 DETAILS 5 & 6 NOTES:STONE LAYOUT INTENT PER PLAN. JOINT SIZE 3"-6" PER PLAN THYME PLANTING WITH-IN GAPS DESCRIPTION SIZE: APPROX 6'-6"X18"X4' CUSTOM BOULDER FIRE PIT W/ COVER BURNER: CFBO 360k BTUS WARMING TRENDS; FILL WITH FIRE PEBBLES- SKU AFG-LSTONE-CG-15 IGNITION: 24V ELECTRONIC IGNITION WITH MANUAL ON / OFF AND EMERGENCY SHUT OFF SEE SHEETS L 2.0, L2.1, & L5.1 DETAILS 2,7 & 8 NOTE:18"X4'X2' MATCHING BOULDER BENCH POLISHED ONE FACE AND TOP.	CONTACT BOULDER AND MECHANICS MONTANA HARDSCAPES 406-579-6554 MONTANAHARDSCAPES.COM PEBBLES AND COVER MONTANA FIRE PITS 2302 MCDONALD AVE MISSOULA, MT 59801 (833) 228-5244			PROD ONCRE AT SLA ORTAR AND SE IGHT JC	UCT TE B SET T BASE DINT	QUANTITY 700 SF 790 SF 790 SF STONE BASI 340 SF PLANTING SC	DESCRIPTIONINSTALL: 4" CONCRETE RAT SLABW/ #7 REBARSEE SHEET L5.1 DETAILS 3 & 4NOTES: MORTAR SET FLAGSTONE $\frac{1}{4}$ "- $\frac{1}{2}$ " JOINT GAPINSTALL: GRAVEL AND SAND BASESEE SHEET L5.1 DETAILS 3,5 &6NOTES: SAND SET FLAGSTONESTONE. REVIEW SITE CONDITIONS $\frac{1}{2}$ " JOINT GAPINSTALL: LOOSE JOINT NATURALSTONE. SAND SETSEE SHEET L 5.1 DETAILS 5 & 6	CONTRACTOR
SYMBOL	SAND SET JUMBO FORMAT FLAGSTONE (WINDSOR GREY) LOOSE JOINT SAND SET SCHEDULE PRODUCT BOULDER FIRE PIT AND BENCH	APPROX. 480 SF	INSTALL: LOOSE JOINT NATURAL STONE. SAND SET SEE SHEET L 5.1 DETAILS 5 & 6 NOTES:STONE LAYOUT INTENT PER PLAN. JOINT SIZE 3"-6" PER PLAN THYME PLANTING WITH-IN GAPS DESCRIPTION SIZE: APPROX 6'-6"X18"X4' CUSTOM BOULDER FIRE PIT W/ COVER BURNER: CFBO 360k BTUS WARMING TRENDS; FILL WITH FIRE PEBBLES- SKU AFG-LSTONE-CG-15 IGNITION: 24V ELECTRONIC IGNITION WITH MANUAL ON / OFF AND EMERGENCY SHUT OFF SEE SHEETS L 2.0, L2.1, & L5.1 DETAILS 2,7 & 8 NOTE:18"X4'X2' MATCHING BOULDER BENCH POLISHED ONE FACE AND TOP.	CONTACT BOULDER AND MECHANICS MONTANA HARDSCAPES 406-579-6554 MONTANAHARDSCAPES.COM PEBBLES AND COVER MONTANA FIRE PITS 2302 MCDONALD AVE MISSOULA, MT 59801 (833) 228-5244 MONTANAFIREPITS.COM			PROD ONCRE AT SLAI ORTAR AND SE IGHT JC	UCT TE B SET SET T BASE DINT	QUANTITY 700 SF 790 SF 790 SF STONE BASI 340 SF PLANTING SC IN JOINTS	DESCRIPTION      INSTALL: 4" CONCRETE RAT SLAB      W/ #7 REBAR      SEE SHEET L5.1 DETAILS 3 & 4      NOTES: MORTAR SET FLAGSTONE      1 <sup>+</sup> - 1 <sup>+</sup> JOINT GAP      INSTALL: GRAVEL AND SAND BASE      SEE SHEET L5.1 DETAILS 3,5 &6      NOTES: SAND SET FLAGSTONE      STONE. REVIEW SITE CONDITIONS      1 <sup>+</sup> JOINT GAP      INSTALL: LOOSE JOINT NATURAL      STONE. SAND SET      SEE SHEET L 5.1 DETAILS 5 & 6      IL NOTES: SAND SET FLAGSTONE	CONTRACTOR
SYMBOL	SAND SET JUMBO FORMAT FLAGSTONE (WINDSOR GREY) LOOSE JOINT SAND SET SCHEDULE PRODUCT BOULDER FIRE PIT AND BENCH SSCHEDUL PRODUCT	APPROX. 480 SF	INSTALL: LOOSE JOINT NATURAL STONE. SAND SET SEE SHEET L 5.1 DETAILS 5 & 6 NOTES:STONE LAYOUT INTENT PER PLAN. JOINT SIZE 3"-6" PER PLAN THYME PLANTING WITH-IN GAPS DESCRIPTION SIZE: APPROX 6'-6"X18"X4' CUSTOM BOULDER FIRE PIT W/ COVER BURNER: CFBO 360k BTUS WARMING TRENDS; FILL WITH FIRE PEBBLES- SKU AFG-LSTONE-CG-15 IGNITION: 24V ELECTRONIC IGNITION WITH MANUAL ON / OFF AND EMERGENCY SHUT OFF SEE SHEETS L 2.0, L2.1, & L5.1 DETAILS 2,7 & 8 NOTE:18"X4'X2' MATCHING BOULDER BENCH POLISHED ONE FACE AND TOP. DESCRIPTION MATCH EXISTING MIX RECOMMENDED DRILL SEEDING RATE OF 10 LBS/1000 SQFT. FOR BEST RESULTS DRILL SEED IN 4 DIRECTIONS. SHEET L5.0 DETAILS 8	CONTACT BOULDER AND MECHANICS MONTANA HARDSCAPES 406-579-6554 MONTANAHARDSCAPES.COM PEBBLES AND COVER MONTANA FIRE PITS 2302 MCDONALD AVE MISSOULA, MT 59801 (833) 228-5244 MONTANAFIREPITS.COM CONTACT CIRCLE S SEEDS: 14990 MADISON FRONTAGE RD. THREE FORKS, MT 59752 406-285-3269	SYMBOL      Symposition	CC R/ M M S S TI S S S S S S S S S S S S S S S S	PROD ONCRE AT SLAI ORTAR AND SE IGHT JC AND SE AND	UCT TE B SET T BASE DINT T BASE DINT T SOSE F MBO FOF MBO FOF MBO FOF MD SAMF BE GRAY	QUANTITY 700 SF 790 SF 480 SF STONE BASI 340 SF PLANTING SC IN JOINTS RMAT NOTES RMAT NOTES PLES OF WINI Y TONES IN C ATERIAL AND	DESCRIPTION      INSTALL: 4" CONCRETE RAT SLAB      W/ #7 REBAR      SEE SHEET L5.1 DETAILS 3 & 4      NOTES: MORTAR SET FLAGSTONE      1 <sup>+</sup> - 1 <sup>+</sup> JOINT GAP      INSTALL: GRAVEL AND SAND BASE      SEE SHEET L5.1 DETAILS 3,5 & 6      NOTES: SAND SET FLAGSTONE      STONE. REVIEW SITE CONDITIONS      1 <sup>+</sup> / <sub>2</sub> " JOINT GAP      INSTALL: LOOSE JOINT NATURAL      STONE. SAND SET      SEE SHEET L 5.1 DETAILS 5 & 6      INOTES: SAND SET FLAGSTONE      STONE. SAND SET      SEE SHEET L 5.1 DETAILS 5 & 6      IL NOTES: SAND SET FLAGSTONE      STONE. 3"-6" JOINT GAP	CONTRACTOR CONTRACTOR CONTRACTOR
	SAND SET JUMBO FORMAT FLAGSTONE (WINDSOR GREY) LOOSE JOINT SAND SET SCHEDULE PRODUCT BOULDER FIRE PIT AND BENCH SCHEDUL PRODUCT NATIVE SEED	APPROX. 480 SF	INSTALL: LOOSE JOINT NATURAL STONE. SAND SET SEE SHEET L 5.1 DETAILS 5 & 6 NOTES:STONE LAYOUT INTENT PER PLAN. JOINT SIZE 3"-6" PER PLAN THYME PLANTING WITH-IN GAPS DESCRIPTION SIZE: APPROX 6'-6"X18"X4' CUSTOM BOULDER FIRE PIT W/ COVER BURNER: CFBO 360k BTUS WARMING TRENDS; FILL WITH FIRE PEBBLES- SKU AFG-LSTONE-CG-15 IGNITION: 24V ELECTRONIC IGNITION WITH MANUAL ON / OFF AND EMERGENCY SHUT OFF SEE SHEETS L 2.0, L2.1, & L5.1 DETAILS 2,7 & 8 NOTE:18"X4'X2' MATCHING BOULDER BENCH POLISHED ONE FACE AND TOP. DESCRIPTION MATCH EXISTING MIX RECOMMENDED DRILL SEEDING RATE OF 10 LBS/1000 SQFT. FOR BEST RESULTS DRILL SEED IN 4 DIRECTIONS. SHEET L5.0 DETAILS 8	CONTACT BOULDER AND MECHANICS MONTANA HARDSCAPES 406-579-6554 MONTANAHARDSCAPES.COM PEBBLES AND COVER MONTANA FIRE PITS 2302 MCDONALD AVE MISSOULA, MT 59801 (833) 228-5244 MONTANAFIREPITS.COM	SYMBOL      Symplexity      Symplexity <td>NDSOR GI HOTOGRA S. STONE ARAY: DE IRST15-20 CT STONE</td> <td>PROD ONCRE AT SLAI ORTAR AND SE IGHT JC AND SE IGHT JC AND SE AND SE IGHT JC AND SE AND SE AND SE ASE - LC DINT RAY JU APHS A SHALL MONST 0 SF ST E FEATL</td> <td>UCT TE B SET SET T BASE DINT T SOSE F MBO FOF MBO FOF MBO FOF MBO SAMF BE GRAY TRATE MA</td> <td>QUANTITY 700 SF 790 SF 480 SF STONE BASI 340 SF PLANTING SC IN JOINTS RMAT NOTES RMAT NOTES PLES OF WINI Y TONES IN C ATERIAL AND AND SET)</td> <td>DESCRIPTION      INSTALL: 4" CONCRETE RAT SLAB      W/ #7 REBAR      SEE SHEET L5.1 DETAILS 3 &amp; 4      NOTES: MORTAR SET FLAGSTONE      1<sup>1</sup> - 1<sup>n</sup>      JOINT GAP      INSTALL: GRAVEL AND SAND BASE      SEE SHEET L5.1 DETAILS 3,5 &amp;6      NOTES: SAND SET FLAGSTONE      STONE. REVIEW SITE CONDITIONS      1<sup>n</sup>      JOINT GAP      INSTALL: LOOSE JOINT NATURAL      STONE. SAND SET      SEE SHEET L 5.1 DETAILS 5 &amp; 6      INSTALL: LOOSE JOINT NATURAL      STONE. SAND SET      SEE SHEET L 5.1 DETAILS 5 &amp; 6      IL NOTES: SAND SET FLAGSTONE      STONE. 3"-6" JOINT GAP      DSOR GRAY JUMBO FORMAT WITH TEXDLOR.</td> <td>CONTRACTOR CONTRACTOR CONTRACTOR</td>	NDSOR GI HOTOGRA S. STONE ARAY: DE IRST15-20 CT STONE	PROD ONCRE AT SLAI ORTAR AND SE IGHT JC AND SE IGHT JC AND SE AND SE IGHT JC AND SE AND SE AND SE ASE - LC DINT RAY JU APHS A SHALL MONST 0 SF ST E FEATL	UCT TE B SET SET T BASE DINT T SOSE F MBO FOF MBO FOF MBO FOF MBO SAMF BE GRAY TRATE MA	QUANTITY 700 SF 790 SF 480 SF STONE BASI 340 SF PLANTING SC IN JOINTS RMAT NOTES RMAT NOTES PLES OF WINI Y TONES IN C ATERIAL AND AND SET)	DESCRIPTION      INSTALL: 4" CONCRETE RAT SLAB      W/ #7 REBAR      SEE SHEET L5.1 DETAILS 3 & 4      NOTES: MORTAR SET FLAGSTONE      1 <sup>1</sup> - 1 <sup>n</sup> JOINT GAP      INSTALL: GRAVEL AND SAND BASE      SEE SHEET L5.1 DETAILS 3,5 &6      NOTES: SAND SET FLAGSTONE      STONE. REVIEW SITE CONDITIONS      1 <sup>n</sup> JOINT GAP      INSTALL: LOOSE JOINT NATURAL      STONE. SAND SET      SEE SHEET L 5.1 DETAILS 5 & 6      INSTALL: LOOSE JOINT NATURAL      STONE. SAND SET      SEE SHEET L 5.1 DETAILS 5 & 6      IL NOTES: SAND SET FLAGSTONE      STONE. 3"-6" JOINT GAP      DSOR GRAY JUMBO FORMAT WITH TEXDLOR.	CONTRACTOR CONTRACTOR CONTRACTOR
SYMBOL	SAND SET JUMBO FORMAT FLAGSTONE (WINDSOR GREY) LOOSE JOINT SAND SET SCHEDULE PRODUCT BOULDER FIRE PIT AND BENCH SSCHEDUL PRODUCT	APPROX. 480 SF	INSTALL: LOOSE JOINT NATURAL STONE. SAND SET SEE SHEET L 5.1 DETAILS 5 & 6 NOTES:STONE LAYOUT INTENT PER PLAN. JOINT SIZE 3"-6" PER PLAN THYME PLANTING WITH-IN GAPS DESCRIPTION SIZE: APPROX 6'-6"X18"X4' CUSTOM BOULDER FIRE PIT W/ COVER BURNER: CFBO 360k BTUS WARMING TRENDS; FILL WITH FIRE PEBBLES- SKU AFG-LSTONE-CG-15 IGNITION: 24V ELECTRONIC IGNITION WITH MANUAL ON / OFF AND EMERGENCY SHUT OFF SEE SHEETS L 2.0, L2.1, & L5.1 DETAILS 2,7 & 8 NOTE:18"X4'X2' MATCHING BOULDER BENCH POLISHED ONE FACE AND TOP. DESCRIPTION MATCH EXISTING MIX RECOMMENDED DRILL SEEDING RATE OF 10 LBS/1000 SQFT. FOR BEST RESULTS DRILL SEED IN 4 DIRECTIONS. SHEET L5.0 DETAILS 8 & 10 MID AMERICA MULCH PINE BARK MINI NUGGET	CONTACT BOULDER AND MECHANICS MONTANA HARDSCAPES 406-579-6554 MONTANAHARDSCAPES.COM PEBBLES AND COVER MONTANAHARDSCAPES.COM PEBBLES AND COVER MONTANA FIRE PITS 2302 MCDONALD AVE MISSOULA, MT 59801 (833) 228-5244 MONTANAFIREPITS.COM CONTACT CIRCLE S SEEDS: 14990 MADISON FRONTAGE RD. THREE FORKS, MT 59752 406-285-3269 circles@circlesseeds.com	SYMBOL      SAMPLE MC	ADSOR GI HOTOGRA 5. STONE GRAY: DE IRST15-20 CKUP PA ONE WIT ONE WIT	PROD ONCRE AT SLAI ORTAR AND SE IGHT JC AND SE AND SE AND SE AND SE AND SE AND SE AND SE SHALL MONST 0 SF ST 5 FEATU ANEL. TH LANE PE AND	UCT TE B SET TES DINT TES DINT TOSE F MBO FOF MBO FOF MBO FOF SAMF BE GRAY TRATE MA TRATE MA TONES (SA JRES IN A	QUANTITY 700 SF 790 SF 790 SF 480 SF STONE BASI 340 SF PLANTING SC IN JOINTS RMAT NOTES RMAT NOTES RMAT NOTES PLES OF WINI Y TONES IN C ATERIAL AND AND SET) ACCORDANCE	DESCRIPTION      INSTALL: 4" CONCRETE RAT SLAB      W/ #7 REBAR      SEE SHEET L5.1 DETAILS 3 & 4      NOTES: MORTAR SET FLAGSTONE      1/4"-1"      JOINT GAP      INSTALL: GRAVEL AND SAND BASE      SEE SHEET L5.1 DETAILS 3,5 & 6      NOTES: SAND SET FLAGSTONE      STONE. REVIEW SITE CONDITIONS      1/2" JOINT GAP      INSTALL: LOOSE JOINT NATURAL      STONE. SAND SET      SEE SHEET L 5.1 DETAILS 5 & 6      IL      NOTES: SAND SET      SEE SHEET L 5.1 DETAILS 5 & 6      IL NOTES: SAND SET      SEE SHEET L 5.1 DETAILS 5 & 6      IL NOTES: SAND SET FLAGSTONE      STONE. 3"-6" JOINT GAP      DSOR GRAY JUMBO FORMAT WITH TEXOLOR.      METHODS TO BE USED: PROVIDE      WITH THE DRAWINGS AND THE APPR      RESENT.      LA BEFORE INSTALLED.	CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR
	SAND SET JUMBO FORMAT FLAGSTONE (WINDSOR GREY) LOOSE JOINT SAND SET SCHEDULE PRODUCT BOULDER FIRE PIT AND BENCH SCHEDUL PRODUCT NATIVE SEED WOOD MULCH MINI NUGGET	APPROX. 480 SF	INSTALL: LOOSE JOINT NATURAL STONE. SAND SET SEE SHEET L 5.1 DETAILS 5 & 6 NOTES:STONE LAYOUT INTENT PER PLAN. JOINT SIZE 3"-6" PER PLAN THYME PLANTING WITH-IN GAPS DESCRIPTION SIZE: APPROX 6'-6"X18"X4' CUSTOM BOULDER FIRE PIT W/ COVER BURNER: CFBO 360k BTUS WARMING TRENDS; FILL WITH FIRE PEBBLES- SKU AFG-LSTONE-CG-15 IGNITION: 24V ELECTRONIC IGNITION WITH MANUAL ON / OFF AND EMERGENCY SHUT OFF SEE SHEETS L 2.0, L2.1, & L5.1 DETAILS 2,7 & 8 NOTE: 18"X4'X2' MATCHING BOULDER BENCH POLISHED ONE FACE AND TOP. DESCRIPTION MATCH EXISTING MIX RECOMMENDED DRILL SEEDING RATE OF 10 LBS/1000 SQFT. FOR BEST RESULTS DRILL SEED IN 4 DIRECTIONS. SHEET L5.0 DETAILS 8 & 10 MID AMERICA MULCH PINE BARK MINI NUGGET LAY @ 3" DEPTH SEE SHEET L5.0 DETAIL 9 1"-1.5" ROCK BARK MULCH	CONTACT BOULDER AND MECHANICS MONTANA HARDSCAPES 406-579-6554 MONTANAHARDSCAPES.COM PEBBLES AND COVER MONTANAHARDSCAPES.COM PEBBLES AND COVER MONTANA FIRE PITS 2302 MCDONALD AVE MISSOULA, MT 59801 (833) 228-5244 MONTANAFIREPITS.COM CONTACT CIRCLE S SEEDS: 14990 MADISON FRONTAGE RD. THREE FORKS, MT 59752 406-285-3269 circles@circlesseeds.com WESTERN PINES MANHATTAN, MT	SYMBOL	ADSOR GI HOTOGRA S. STONE ADSOR HOTOGRA S. STON	PROD ONCRE AT SLAI ORTAR AND SE IGHT JO AND SE AND SE AND SE AND SE AND SE AND SE AND SE AND SE SHALL MONST 0 SF ST E FEATU ANEL. TH LAND PE AND IALS: O BOVIDE	UCT TE B SET SET T DINT T ONES MBO FOF MBO FOF MBO FOF MBO FOF MBO SAMF BE GRAY TRATE MA ONES (SA JRES IN A DSCAPE A COLOR C BTAIN MA	QUANTITY 700 SF 790 SF 790 SF 480 SF STONE BASI 340 SF PLANTING SC IN JOINTS RMAT NOTES RMAT NOTES PLES OF WINI Y TONES IN C ATERIAL AND AND SET) CCORDANCE ARCHITECT P IN SITE WITH ATERIALS FOI STONE AS F	DESCRIPTION      INSTALL: 4" CONCRETE RAT SLAB      W/ #7 REBAR      SEE SHEET L5.1 DETAILS 3 & 4      NOTES: MORTAR SET FLAGSTONE      1 <sup>4</sup> - <sup>1</sup> / <sub>2</sub> " JOINT GAP      INSTALL: GRAVEL AND SAND BASE      SEE SHEET L5.1 DETAILS 3,5 &6      NOTES: SAND SET FLAGSTONE      STONE. REVIEW SITE CONDITIONS      1 <sup>1</sup> = JOINT GAP      INSTALL: LOOSE JOINT NATURAL      STONE. SAND SET      SEE SHEET L 5.1 DETAILS 5 & 6      INSTALL: LOOSE JOINT NATURAL      STONE. SAND SET      SEE SHEET L 5.1 DETAILS 5 & 6      IL NOTES: SAND SET FLAGSTONE      STONE. SAND SET      SEE SHEET L 5.1 DETAILS 5 & 6      IL NOTES: SAND SET FLAGSTONE      STONE. 3"-6" JOINT GAP      DSOR GRAY JUMBO FORMAT WITH TEXOLOR.      METHODS TO BE USED: PROVIDE      WITH THE DRAWINGS AND THE APPR      RESENT.      LA BEFORE INSTALLED.      A STONE MASONRY WORK FROM A SIN      OLLOWS: DIMENSIONS SHALL BE APPI	CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR
	SAND SET JUMBO FORMAT FLAGSTONE (WINDSOR GREY) LOOSE JOINT SAND SET SCHEDULE PRODUCT BOULDER FIRE PIT AND BENCH SSCHEDUL PRODUCT NATIVE SEED	APPROX. 480 SF QUANTITY 1 1 QUANTITY A REPAIRED AS NEEDED S REPAIRED AS NEEDED	INSTALL: LOOSE JOINT NATURAL STONE. SAND SET SEE SHEET L 5.1 DETAILS 5 & 6 NOTES:STONE LAYOUT INTENT PER PLAN. JOINT SIZE 3"-6" PER PLAN THYME PLANTING WITH-IN GAPS DESCRIPTION SIZE: APPROX 6'-6"X18"X4' CUSTOM BOULDER FIRE PIT W/ COVER BURNER: CFBO 360k BTUS WARMING TRENDS; FILL WITH FIRE PEBBLES- SKU AFG-LSTONE-CG-15 IGNITION: 24V ELECTRONIC IGNITION WITH MANUAL ON / OFF AND EMERGENCY SHUT OFF SEE SHEETS L 2.0, L2.1, & L5.1 DETAILS 2,7 & 8 NOTE: 18"X4'X2' MATCHING BOULDER BENCH POLISHED ONE FACE AND TOP. DESCRIPTION MATCH EXISTING MIX RECOMMENDED DRILL SEEDING RATE OF 10 LBS/1000 SQFT. FOR BEST RESULTS DRILL SEED IN 4 DIRECTIONS. SHEET L5.0 DETAILS 8 & 10 MID AMERICA MULCH PINE BARK MINI NUGGET LAY @ 3" DEPTH SEE SHEET L5.0 DETAIL 9 1"-1.5" ROCK BARK MULCH	CONTACT BOULDER AND MECHANICS MONTANA HARDSCAPES 406-579-6554 MONTANAHARDSCAPES.COM PEBBLES AND COVER MONTANA FIRE PITS 2302 MCDONALD AVE MISSOULA, MT 59801 (833) 228-5244 MONTANAFIREPITS.COM CONTACT CIRCLE S SEEDS: 14990 MADISON FRONTAGE RD. THREE FORKS, MT 59752 406-285-3269 circles@circlesseeds.com WESTERN PINES MANHATTAN, MT 406-X282-7827 SCENIC CITY TRUCKING	SYMBOL      SYMOL      SYMOL <td>ADSOR GI HOTOGRA 5. STONE GRAY: DE IRST15-20 CKUP PA ONE WIT ONE WIT</td> <td>PROD ONCRE AT SLAI ORTAR AND SE IGHT JC AND SE IGHT JC AND SE AND SE AND SE AND SE AND SE AND SE SHALL MONST 0 SF ST 5 FEATU ANEL. TH LANE PE AND IALS: O COVIDE STONE O COTIO</td> <td>UCT TE B SET SET TBASE DINT TBASE DINT TOSE IMBO FOF AND SAMF BE GRAN TRATE MA TRATE MA TRATE MA TRATE MA ONES (SA JRES IN A DSCAPE A COLOR C BTAIN MA NATURAL COLOR S NS.</td> <td>QUANTITY 700 SF 790 SF 790 SF 480 SF STONE BASI 340 SF PLANTING SC IN JOINTS RMAT NOTES RMAT NOTES RMAT NOTES PLES OF WINI Y TONES IN C ATERIAL AND AND SET) CCORDANCE ARCHITECT P IN SITE WITH ATERIALS FOI STONE AS F HALL BE "GR</td> <td>DESCRIPTION      INSTALL: 4" CONCRETE RAT SLAB      W/ #7 REBAR      SEE SHEET L5.1 DETAILS 3 &amp; 4      NOTES: MORTAR SET FLAGSTONE      1"-1" JOINT GAP      INSTALL: GRAVEL AND SAND BASE      SEE SHEET L5.1 DETAILS 3,5 &amp; 6      NOTES: SAND SET FLAGSTONE      STONE. REVIEW SITE CONDITIONS      1" JOINT GAP      INSTALL: LOOSE JOINT NATURAL      STONE. SAND SET      SEE SHEET L 5.1 DETAILS 5 &amp; 6      IL NOTES: SAND SET      SEE SHEET L 5.1 DETAILS 5 &amp; 6      IL NOTES: SAND SET      SEE SHEET L 5.1 DETAILS 5 &amp; 6      IL NOTES: SAND SET FLAGSTONE      STONE. 3"-6" JOINT GAP      DSOR GRAY JUMBO FORMAT WITH TEX      DLOR.      METHODS TO BE USED: PROVIDE      WITH THE DRAWINGS AND THE APPR      RESENT.      LA BEFORE INSTALLED.      R STONE MASONRY WORK FROM A SIN      OLLOWS: DIMENSIONS SHALL BE APPR      AY TONES". FIELD VERIFY ON SITE TO E</td> <td>CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR</td>	ADSOR GI HOTOGRA 5. STONE GRAY: DE IRST15-20 CKUP PA ONE WIT ONE WIT	PROD ONCRE AT SLAI ORTAR AND SE IGHT JC AND SE IGHT JC AND SE AND SE AND SE AND SE AND SE AND SE SHALL MONST 0 SF ST 5 FEATU ANEL. TH LANE PE AND IALS: O COVIDE STONE O COTIO	UCT TE B SET SET TBASE DINT TBASE DINT TOSE IMBO FOF AND SAMF BE GRAN TRATE MA TRATE MA TRATE MA TRATE MA ONES (SA JRES IN A DSCAPE A COLOR C BTAIN MA NATURAL COLOR S NS.	QUANTITY 700 SF 790 SF 790 SF 480 SF STONE BASI 340 SF PLANTING SC IN JOINTS RMAT NOTES RMAT NOTES RMAT NOTES PLES OF WINI Y TONES IN C ATERIAL AND AND SET) CCORDANCE ARCHITECT P IN SITE WITH ATERIALS FOI STONE AS F HALL BE "GR	DESCRIPTION      INSTALL: 4" CONCRETE RAT SLAB      W/ #7 REBAR      SEE SHEET L5.1 DETAILS 3 & 4      NOTES: MORTAR SET FLAGSTONE      1"-1" JOINT GAP      INSTALL: GRAVEL AND SAND BASE      SEE SHEET L5.1 DETAILS 3,5 & 6      NOTES: SAND SET FLAGSTONE      STONE. REVIEW SITE CONDITIONS      1" JOINT GAP      INSTALL: LOOSE JOINT NATURAL      STONE. SAND SET      SEE SHEET L 5.1 DETAILS 5 & 6      IL NOTES: SAND SET      SEE SHEET L 5.1 DETAILS 5 & 6      IL NOTES: SAND SET      SEE SHEET L 5.1 DETAILS 5 & 6      IL NOTES: SAND SET FLAGSTONE      STONE. 3"-6" JOINT GAP      DSOR GRAY JUMBO FORMAT WITH TEX      DLOR.      METHODS TO BE USED: PROVIDE      WITH THE DRAWINGS AND THE APPR      RESENT.      LA BEFORE INSTALLED.      R STONE MASONRY WORK FROM A SIN      OLLOWS: DIMENSIONS SHALL BE APPR      AY TONES". FIELD VERIFY ON SITE TO E	CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR
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# PLANT SCHEDULE (PHASE 2 PLANTS)

BOTA SYMBOL PERE

NATIVE SEED MIX OR APPROVED FOUAL

Proportion	Percent	Percent Ger-
by %	Purity	mination
25%	95%	85%
25%	95%	85%
15%	95%	85%
13%	95%	85%
10%	95%	85%
10%	95%	85%
2%	95%	85%
	by % 25% 25% 15% 13% 10% 10%	by %      Purity        25%      95%        25%      95%        15%      95%        13%      95%        10%      95%



### LANDSCAPE INSTALL NOTES

- 1. PLACE TREES, SHRUBS, AND PLANT MATERIAL WITH LANDSCAPE ARCHITECT PRESENT. 2. MSU SPECIFICATION TO BE FOLLOWED UNLESS NOTED OTHERWISE 3. ALL PLANT MATERIAL SHALL CONFORM TO THE CURRENT AMERICAN STANDARD FOR NURSERY
- STOCK. 4. VERIFY ALL QUANTITIES. ILLUSTRATED PLAN SHALL DICTATE COUNT.
- 5. NO SUBSTITUTIONS WILL BE ALLOWED WITHOUT THE WRITTEN CONSENT OF THE LANDSCAPE ARCHITECT. ALL REQUESTS SHOULD BE SUBMITTED TO DESIGN 5 LANDSCAPE ARCHITECTURE. 406-587-4873 OR TROY@DESIGN5LA.COM.
- 6. LANDSCAPE ARCHITECT SHALL MEET WITH LANDSCAPE CONTRACTOR ON SITE, AT PREDETERMINED INTERVALS TO DISCUSS PROGRESS, QUESTIONS, AND PRODUCT PLACEMENT
- 7. OPEN NATIVE SEED AREAS PER DESIGN AND TILLED IN PRIOR TO SEED INSTALLATION. COMPLETE REMOVAL OF ALL TURF GRASS MUST BE REMOVED BY CONTRACTOR TO INSURE NO RE-GROWTH WILL OCCUR. MEAN AND METHODS PROVIDED BY CONTRACTOR BEFORE START DATE. 8. NATIVE SEED AREAS WITH IN TREE PROTECTION LIMITS TO HAVE 1" MINIMUM TOPSOIL WITH 1"
- COMPOST TILLED IN AT 3" DEPTH PRIOR TO SEED INSTALLATION. COMPLETE REMOVAL OF ALL TURF GRASS MUST BE REMOVED BY CONTRACTOR TO INSURE NO RE-GROWTH WILL OCCUR. MEAN AND METHODS PROVIDED BY CONTRACTOR BEFORE START DATE. NO CUTTING TREE ROOTS LARGER THAN 1" WITHOUT THE EXPRESS WRITTEN CONSENT MSU ARBORIST
- 9. ALL BEDS AROUND BUILDING PERIMETER SHALL HAVE A WEED BARRIER INSTALLED BETWEEN THE SOIL AND COVERING LAYER OF ROCK BARK PER PLAN. DRIP IRRIGATION SHALL BE PLACED ABOVE WEED FABRIC, BUT UNDER MULCH AND PINNED IN PLACE.
- 10. ALL TREES SHALL BE STAKED FOR A MINIMUM OF 2 YEARS. REMOVE STAKES AFTER 2 YEARS. 11. ALL TREES AND OTHER SIGNIFICANT LANDSCAPING FEATURES MUST BE PLANTED A MINIMUM OF 10' OF SEPARATION FROM WATER AND SEWER SERVICES.
- 12. ALL EDGING SHALL BE  $\frac{3}{16}$ "x 4" NATURAL STEEL ON STRAIGHT RUNS AND  $\frac{1}{8}$ " X 4" NATURAL STEEL FOR CURVED RUNS (OR AS OTHERWISE SPECIFIED IN DETAILS). TAC WELD TO #4 REBAR DRIVEN A MINIMUM OF 18" DEEP.
- 13. ALL AREAS ON SITE DISTURBED BY CONSTRUCTION ACTIVITIES NOT INDICATED ON LANDSCAPE PLAN ARE TO BE RECLAIMED AND RE-ESTABLISHED, VERIFY DISTURBANCE AREA IN FIELD. 14. PERMANENT UNDERGROUND IRRIGATION SYSTEM TO BE INSTALLED AT TIME OF LANDSCAPE INSTALLATION. IRRIGATION TO BE INSTALLED IN ACCORDANCE WITH ALL STATE, LOCAL CODES,

## DEEP CREEK BOULDER NOTES

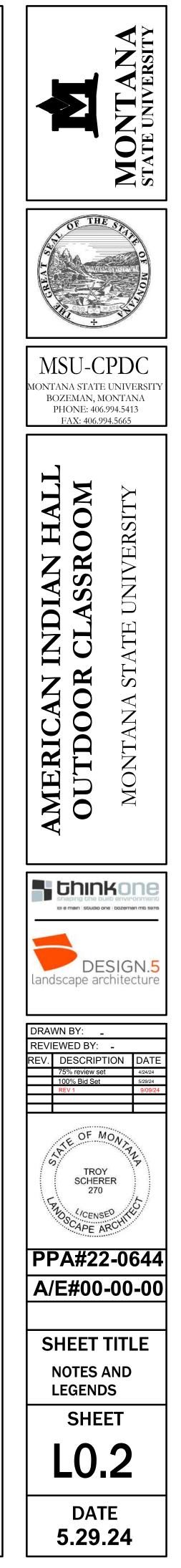
- 1. PROVIDE PHOTOGRAPHS AND SAMPLES OF DEEP CREEK WITH TEXTURES AND RANGES OF COLORS. STONE SHALL BE GRAY & EARTH TONES IN COLOR. DEEP CREEK: DEMONSTRATE MATERIAL AND METHODS TO BE USED: PROVIDE MOCK UP FIRST 5-6 BOULDERS (2) ROWS HIGH.
- 2. CONSTRUCT BOULDER FEATURES IN ACCORDANCE WITH THE DRAWINGS AND THE APPROVED
- SAMPLE MOCKUP PANEL. 3. REVIEW BOULDERS WITH LANDSCAPE ARCHITECT PRESENT.
- 4. REVIEW BOULDERS ON SITE WITH LA BEFORE INSTALLED.
- 5. SOURCE OF MATERIALS: OBTAIN MATERIALS FOR BOULDER WORK FROM A SINGLE SOURCE.
- 6. DEEP CREEK: PROVIDE NATURAL STONE AS FOLLOWS: DIMENSIONS SHALL BE APPROX PER PLAN LISTED IN BOULDER SCHEDULE L0.2. STONE COLOR SHALL BE "GRAY TONES". FIELD VERIFY ON SITE TO ENSURE SIZES WILL FIT AT INSTALLED LOCATIONS.
- 7. FINAL CLEANING USING STIFF NYLON OR BRISTLE BRUSHES AND CLEAN WATER, WHICH IS SPRAY-APPLIED AT A LOW PRESSURE. THE USE OF METAL SCRAPERS OR BRUSHES IS NOT PERMITTED. THE USE OF ACID OR ALKALI CLEANING AGENTS IS NOT PERMITTED.
- 8. THE LAYOUT SHALL BE REVIEW ON SITE WITH THE LANDSCAPE ARCHITECT BEFORE SETTING 9. THE CONTRACTOR SHALL MAINTAIN AND KEEP IN GOOD REPAIR, THE IMPROVEMENTS COVERED BY THESE PLANS AND SPECIFICATIONS DURING THE LIFE OF THIS CONTRACT.
- THE CONTRACTOR SHALL INDEMNIFY THE OWNER AGAINST ANY REPAIRS WHICH MAY BECOME NECESSARY TO ANY PART OF THE WORK PERFORMED AND TO ITEMS OF EQUIPMENT, AND SYSTEMS PROCURED FOR OR FURNISHED UNDER THIS CONTRACT, ARISING FROM DEFECTIVE WORKMANSHIP OR MATERIALS USED THEREIN, FOR A PERIOD OF (1) YEAR FROM THE DATE

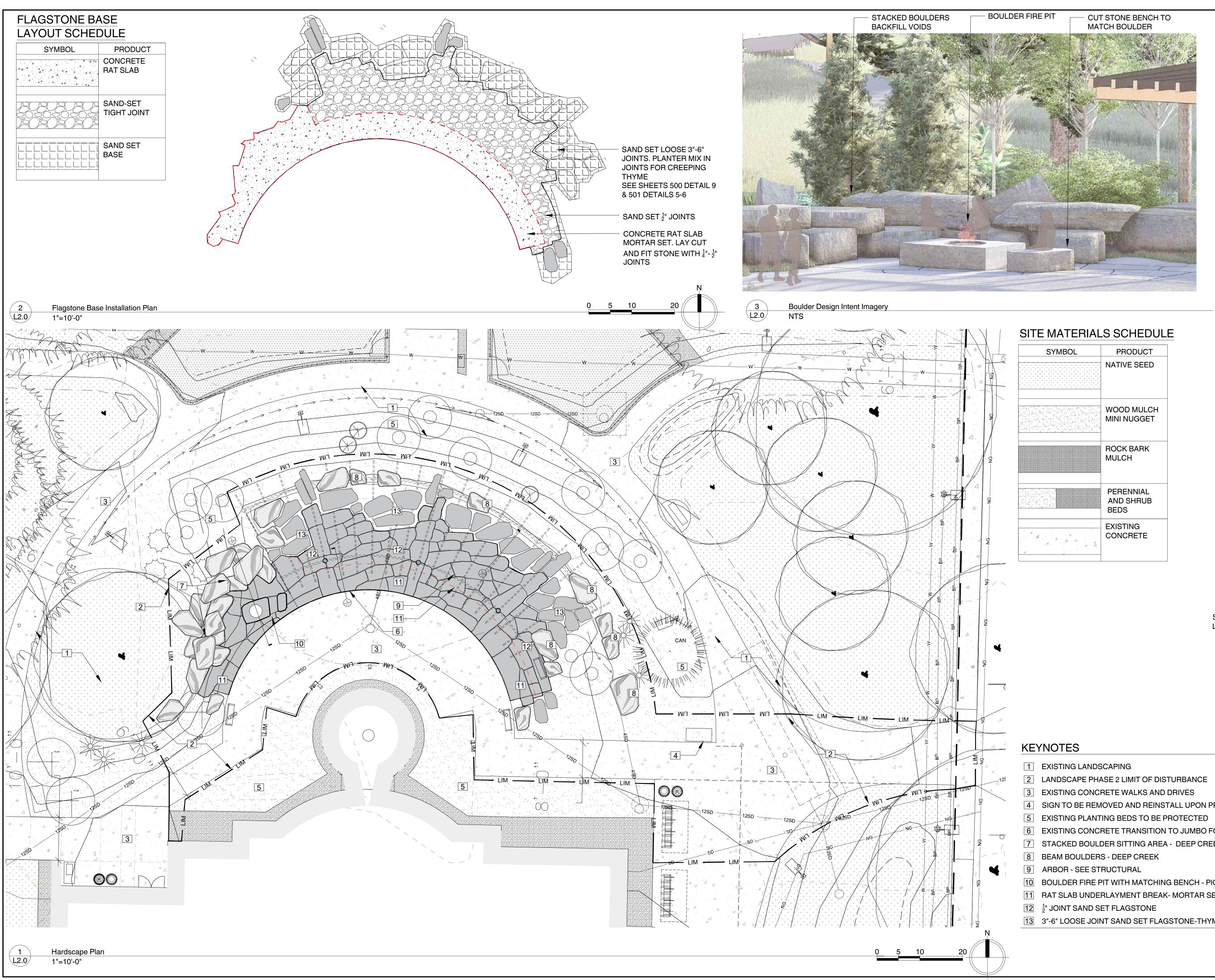
ANICAL NAME COMMON NAME	SIZE	TYPE	SPACING	QUANTITY		MATURE SPREAD
ENNIALS & GRASSES						
HYMUS SERPYLLUM 'ELFIN' CREEPING THYME	4"	РОТ	6" OC	800	6"- 8"	12'

EXISTING TREES TO REMAIN IN LEED BOUNDARY TOTAL COUNT: 33 \*\*\* VERIFY WITH ALL PARTIES UPON TREE REMOVAL WITHIN THE LEED BOUNDARY OR PROJECT LIMITS.

ORDINANCES AND MSU SPECIFICATIONS UNLESS NOTED OTHERWISE. 1,500 SF NETAFIM TO BE REPLACED

SITE MEETING TO DETERMINE FINAL CONSTRUCTION LIM



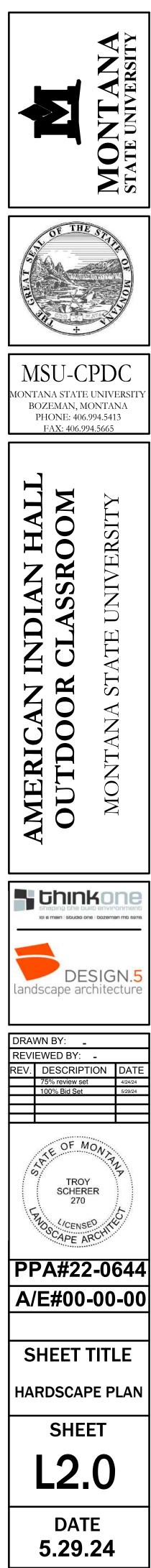


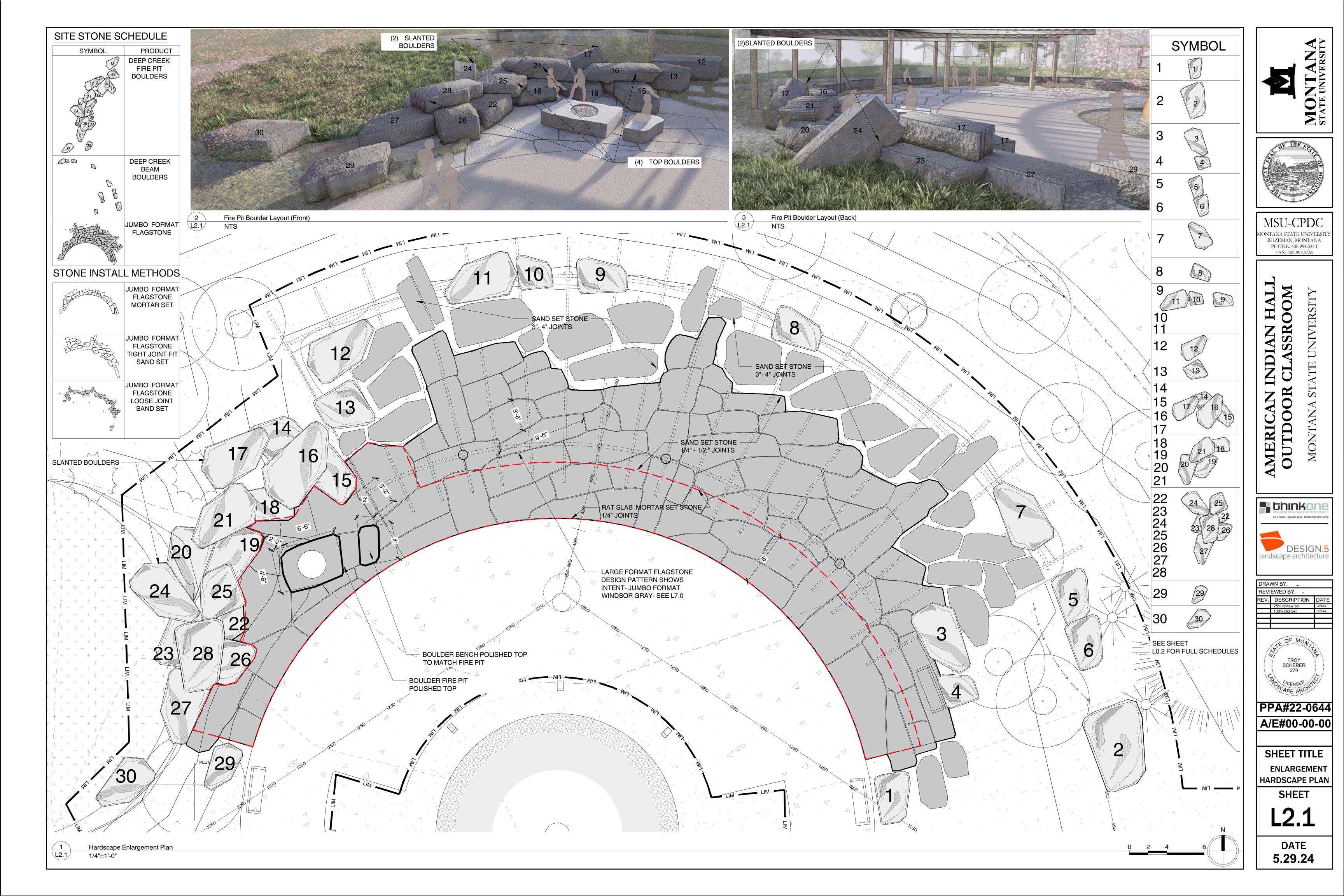
SYMBOL	PRODUCT
	NATIVE SEED
	WOOD MULCH MINI NUGGET
	ROCK BARK MULCH
	PERENNIAL AND SHRUB BEDS
	EXISTING CONCRETE

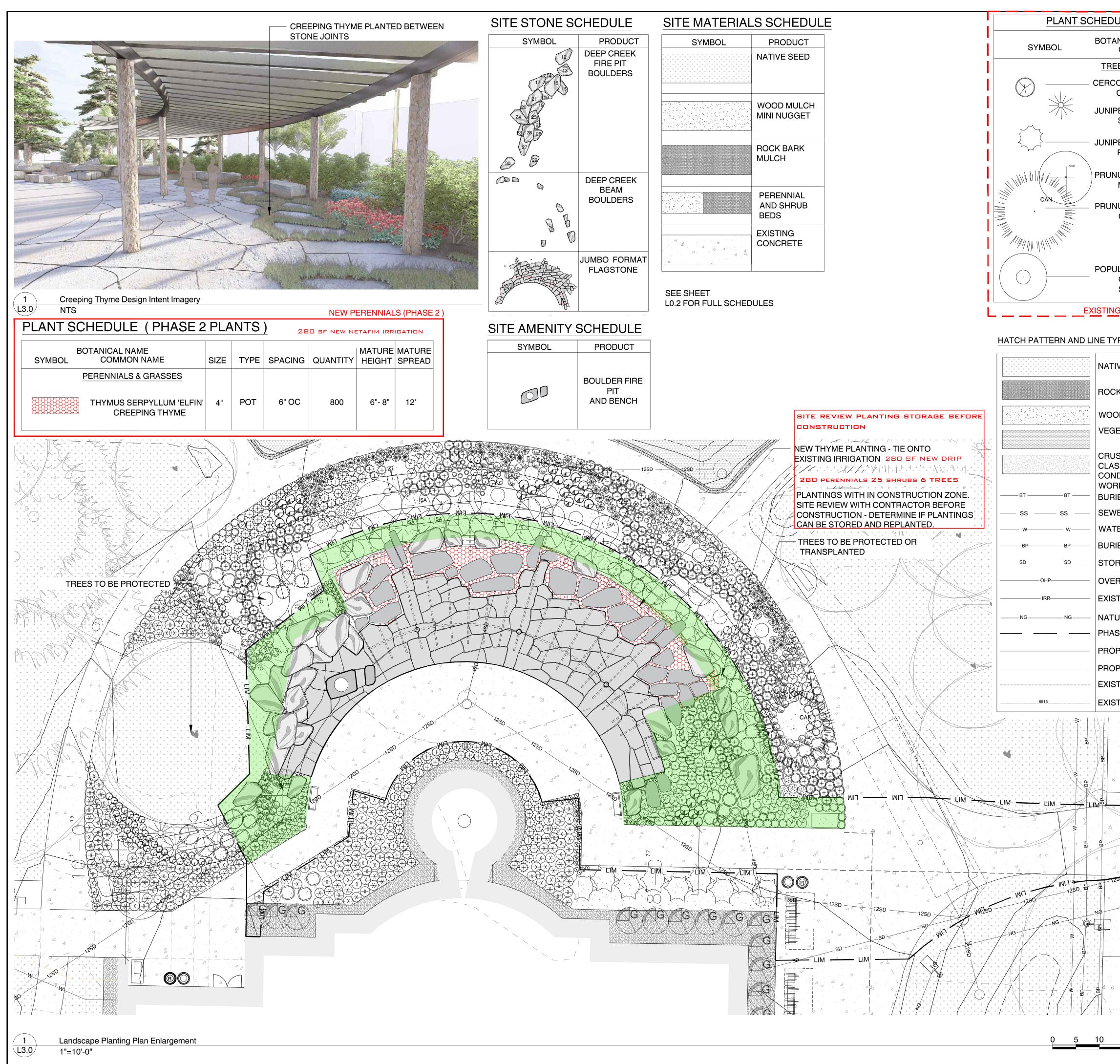
SITE STONE SC	CHEDULE	] [
SYMBOL 12 12 13 14 13 14 13 14 13 14 13 14 15 12 13 14 15 12 12 13 12 13 12 13 13 12 13 13 13 12 13 13 13 13 13 13 13 13 13 13	PRODUCT DEEP CREEK FIRE PIT BOULDERS	
	DEEP CREEK BEAM BOULDERS	
	JUMBO FORMAT FLAGSTONE	МС
STONE INSTAL	L METHODS	
	JUMBO FORMAT FLAGSTONE MORTAR SET	
HAR REAL	JUMBO FORMAT FLAGSTONE TIGHT JOINT FIT SAND SET	
· Janishoring	JUMBO FORMAT FLAGSTONE LOOSE JOINT SAND SET	
SITE AMENITY S	SCHEDULE	
SYMBOL	PRODUCT	
	BOULDER FIRE PIT AND BENCH	
SEE SHEET L0.2 FOR FULL SCHEDUL	ES	la
		D R RE

- 4 SIGN TO BE REMOVED AND REINSTALL UPON PROJECT COMPLETION
- 6 EXISTING CONCRETE TRANSITION TO JUMBO FORMAT FLAGSTONE WINDSOR GRAY
- 7 STACKED BOULDER SITTING AREA DEEP CREEK

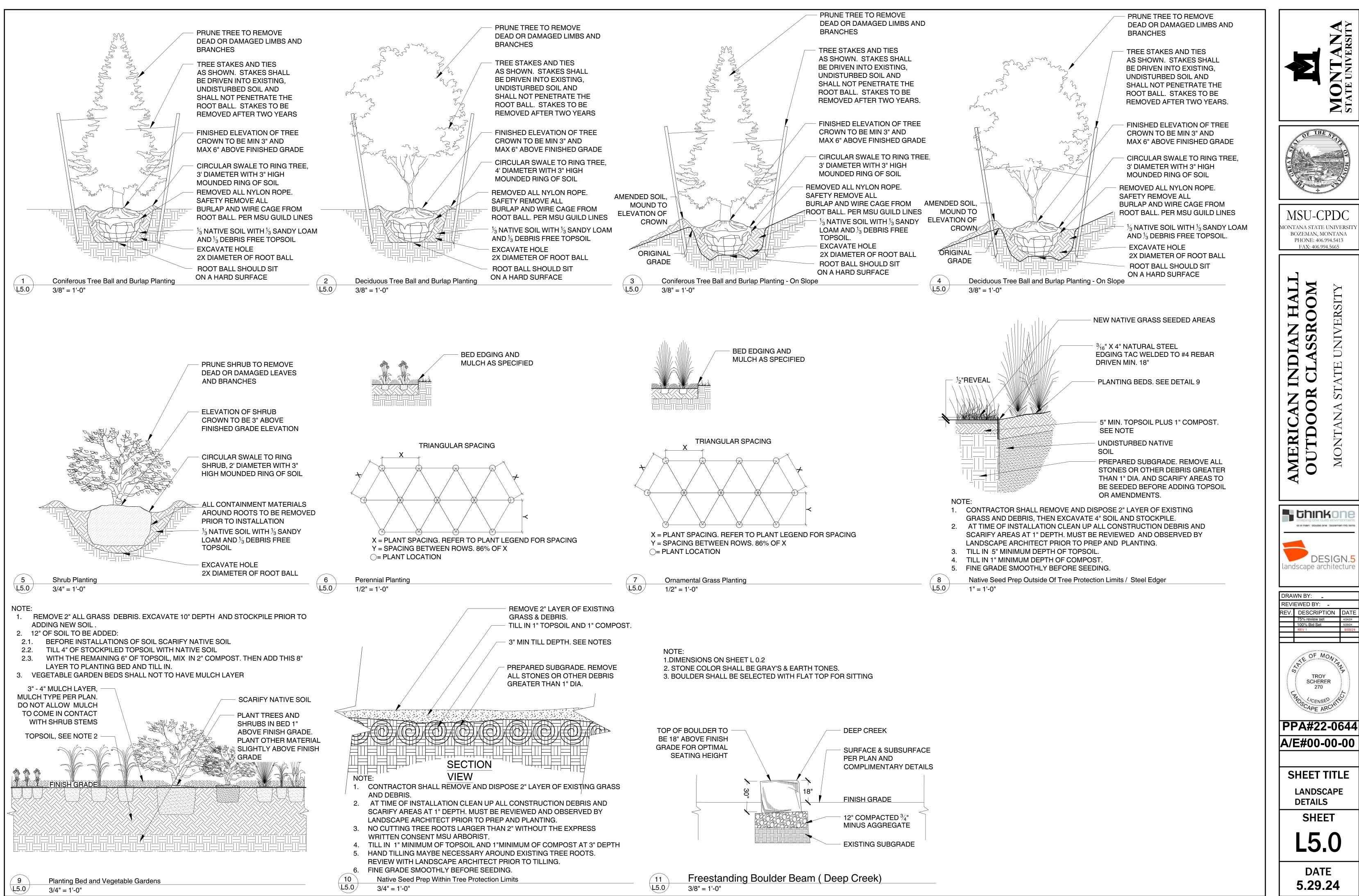
- 10 BOULDER FIRE PIT WITH MATCHING BENCH PICTURE WILL BE PROVIDE BY MANUFACTURE
- 11 RAT SLAB UNDERLAYMENT BREAK- MORTAR SET FLAGSTONE
- 13 3"-6" LOOSE JOINT SAND SET FLAGSTONE-THYME PLANTING IN JOINTS

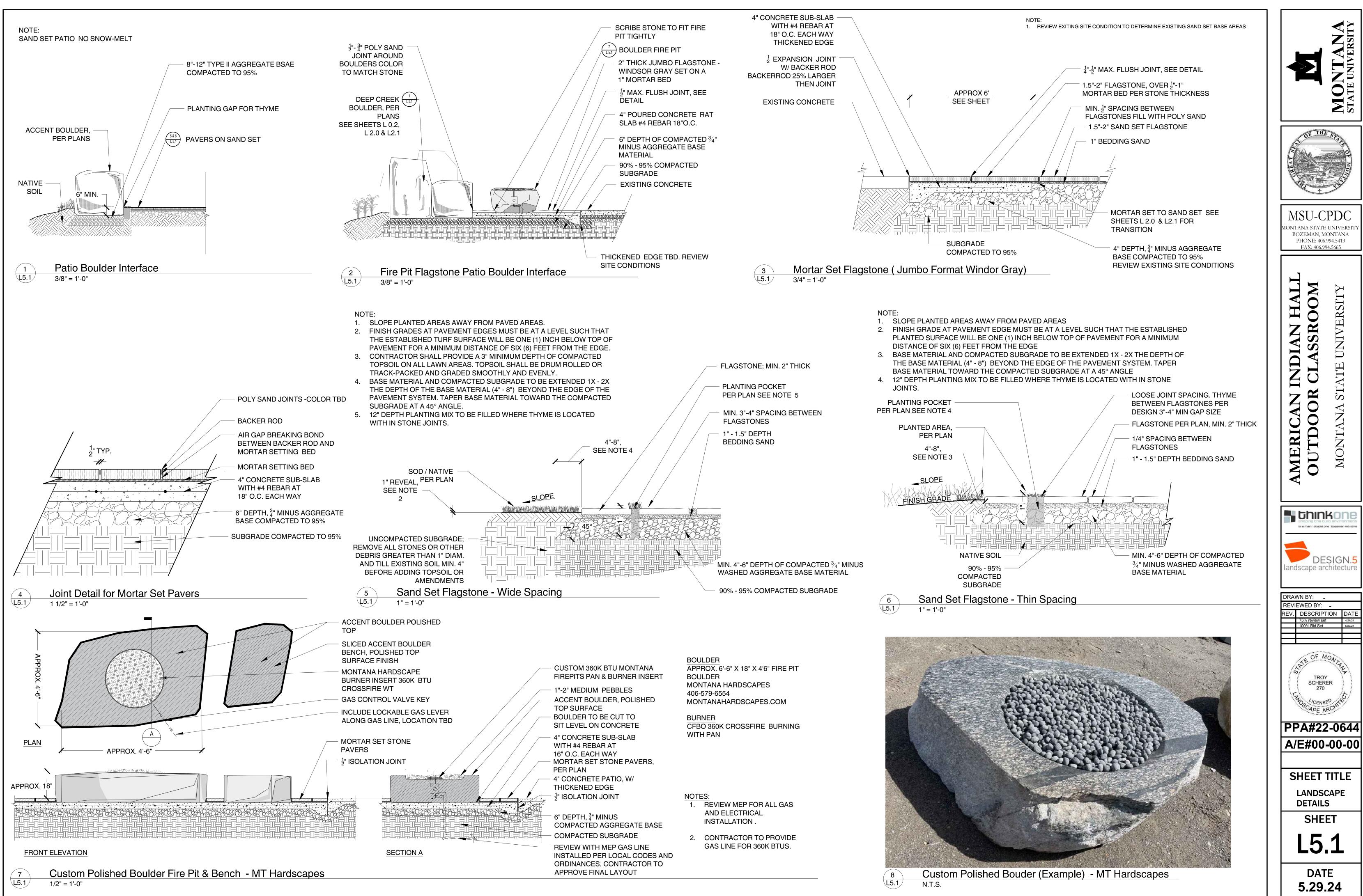






			[]
		SHRUBS	
DTANICAL NAME COMMON NAME		AMELANCHIER ALNIFOLIA 'REGENT' REGENT SERVICEBERRY	
<u> IREES</u> RCOCARPUS LEDIFOLIUS		CHRYSOTHAMNUS VISCIDIFLORUS LOW RABBITBRUSH	
CURLLEAF MOUNTIAN MAHOGANY		(SUB ERICAMERIA NAUSEOSA DWARF RABBITBRUSH) CORNUS SERICEA 'ISANTI'	
NIPERUS VIRGINIANA 'SKYROCKET' - SKYROCKET JUNIPER		ISANTI DOGWOOD	
NIPERUS VIRGINIANA 'TAYLOR' RED CEDAR TAYLOR		PHILADELPHUS LEWISII LEWIS MOCKORANGE PRUNUS BESSEYI	
RUNUS DOMESTICA MOUNT ROYAL PLUM		WESTERN SANDCHERRY	
UNUS VIRGINIANA 'CANADA RED'- CANADA RED CHOKECHERRY		PRUNUS VIRGINIANA COMMON CHOKECHERRY	
		RHUS TRILOBATA THREE LEAFED SUMAC	
OPULUS TREMULOIDES		RIBES AUREUM GOLDEN CURRANT	MSU-CPDC montana state university
QUAKING ASPEN- MULTI-STEM/ SINGLE STEM		RIBS 'PIXWELL' PIXWELL GOOSEBERRY	BOZEMAN, MONTANA PHONE: 406.994.5413 FAX: 406.994.5665
		ROSA RUGOSA MOJE HAMMARBERG ROSE	
TYPE LEGEND		SHEPHERDIA ARGENTEA SILVER BUFFALO BERRY	<b>JAL</b> MC
ATIVE GRASS SEED MIX		SYMPHORICARPOS ALBUS SNOWBERRY	
OCK BARK MULCH		PERENNIALS & GRASSES	
OOD MULCH		ACHILLEA MILLIEFOLIUM WHITE YARROW	
RUSHER FINES : -OUTDOOR LASS ROOM PATIO - REVIEW SITE	○ ——	ANTENNARIA MICROPHYLLA LITTLE LEAF PUSSYTOES	R CL STATE
ONDITIONS FOR NEW STONE /ORK URIED TELEPHONE	(⊕)	ARTEMISIA LUDOVICIANA MONTANA WHITE SAGE	
EWER LINE		ASCLEPIAS INCARNATA "ICE BALLET" MILKWEED ( SUB -ASCLEPIAS INCARNATA)	MONTAN.
	$\bigcirc$		
URIED POWER TORM DRAIN		BUTTERFLY WEED	
VERHEAD POWER	Ø ——	PURPLE CONEFLOWER (SUB E. ANGUSTIFOLIA)	
XISTING IRRIGATION		ECHINACEA PURPUREA	
ATURAL GAS		ECHINACEA 'MAGNUS' (SUB E. ANGUSTIFOLIA)	
HASE 2 LIMIT BOUNDARY	Ø	FRAGARIA VESCA WILD STRAWBERRY	
ROPOSED MAJOR CONTOUR ROPOSED MINOR CONTOUR		(SUB F. VIRGINIANA)	DESIGN.5
XISTING MAJOR CONTOUR	$\bigcirc$	GAILLARDIA ARISTATA BLANKETFLOWER	landscape architecture
XISTING MINOR CONTOUR			DRAWN BY:
		WILD GERANIUM (SUB G. VISCOSSISSIMUM)	REVIEWED BY: - REV. DESCRIPTION DATE 75% review set 4/24/24
+ · · · · · · · · · · · · · · · · · · ·		HIEROCHOE ORORATA SWEET GRASS	100% Bid Set      5/29/24        REV 1      9/09/24
		KOELERIA MACRANTHA JUNE GRASS	E OF MON
	0	LIATRIS SPICATA 'KOBOLD' COMMON GAYFEATHER (SUB LIATRIS PUNCTATA)	G TROY SCHERER 270
		LUPINUS POLYPHYLLUS BIG LEAF LUPINE	ET OS LICENSED LITE
		(SUB PENSTEMON EATONII)	CAPE ARC
4 12SD 12SD 4 4		MONARDA DIDYMA RED BEEBALM (SUB MONARDA FISTULOSA)	PPA#22-0644 A/E#00-00-00
	©	OENOTHERA BIENNIS EVENING PRIMROSE	
	*	PENSTEMON STRICTUS PENSTEMON ROCKY MOUNTAIN	SHEET TITLE LANDSCAPE PLAN
	<b>E</b>	RATIBIDA COLUMNIFERA PRAIRIE CONEFLOWER	SHEET
	$(\neq)$	SCHIZACHYRIUM SCOPARIUM LITTLE BLUESTEM	L3.0
·,···     /                    ■ N	⊕	CAMPANULA 'RAPIDO BLUE' RAPIDO BLUE BELLFLOWER (SUB- campula rotunifolia)	
20	0	(SUB- CAMPULA ROTUNIFOLIA) THYMUS PRAECOX 'ELFIN' ELFIN THYME	DATE 5.29.24
+			L







1 L7.0

Jumbo Format Windsor Gray Flagstone - Cut and Fit Layout Design Intent NTS





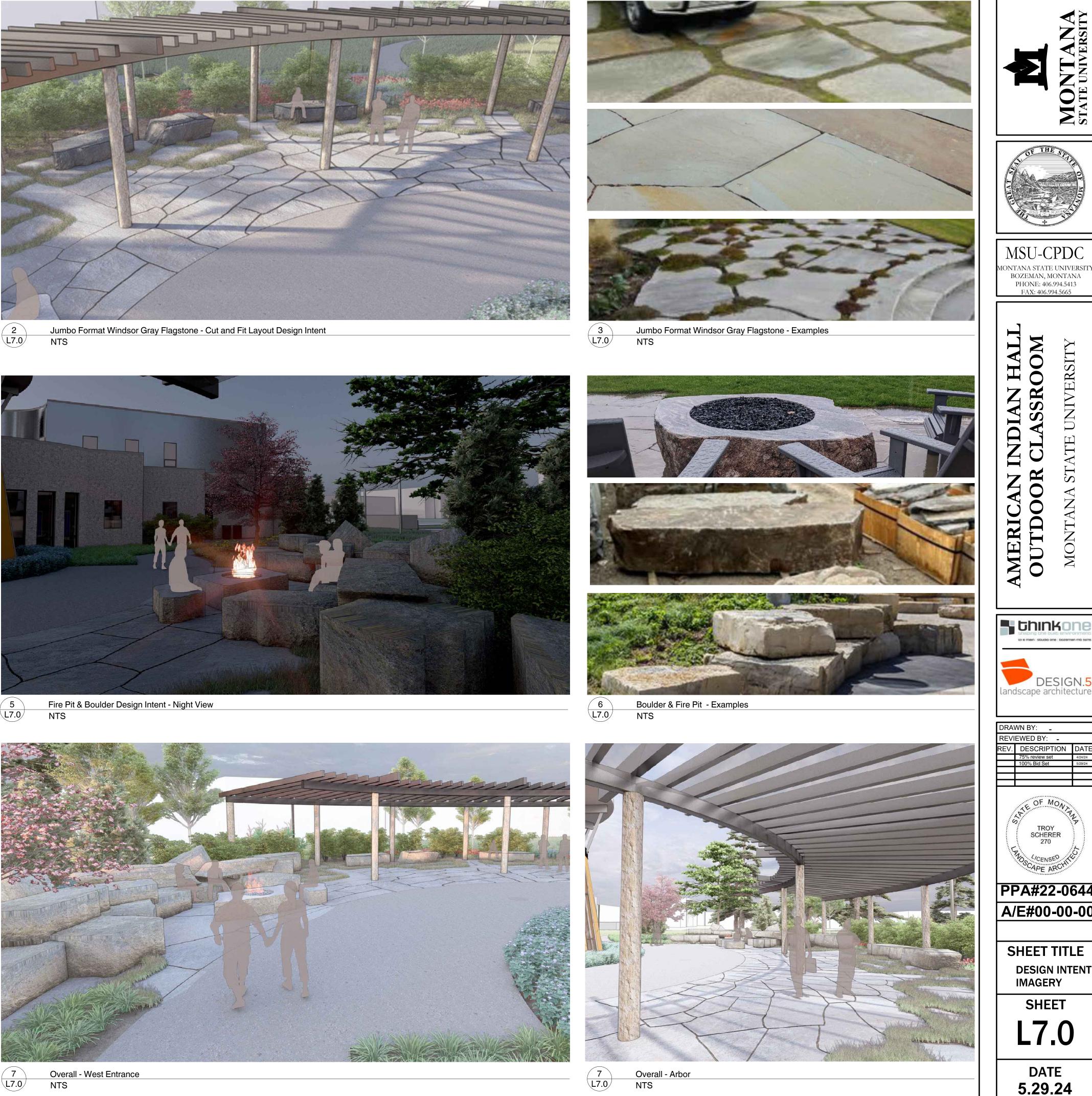
Fire Pit & Boulder Stacking Design Intent NTS













# **GENERAL STRUCTURAL NOTES:**

## GENERAL

- 1. THESE DRAWINGS HAVE BEEN PREPARED SOLELY FOR USE IN THE CONSTRUCTION OF AT THE . POSSESSION OF THESE DRAWINGS DOES NOT GRANT A LICENSE TO CONSTRUCT LOCATION OF OR FABRICATE THE WHOLE, OR PARTS OF THIS PROJECT IN OTHER LOCATIONS.
- 2. STRUCTURAL DRAWINGS ARE A PORTION OF THE CONTRACT DOCUMENTS AND ARE INTENDED TO BE USED WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND SITE CIVIL DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE REQUIREMENTS FROM THESE DRAWINGS INCLUDING BUT NOT LIMITED TO DIMENSIONS, BLOCKOUTS, OPENINGS, SLEEVES, EMBEDDED ITEMS, ETC. INTO THEIR SHOP DRAWINGS AND WORK. NOTIFY THE ARCHITECT/STRUCTURAL ENGINEER OF RECORD OF ANY DISCREPANCIES OR IF ACTUAL CONDITIONS DIFFER FROM THOSE SHOWN OR NOTED.
- 3. DO NOT SCALE OR RESIZE THE DRAWINGS IN ANY MANNER. ANY ADJUSTMENTS TO THE SIZE OR SCALE OF THE DRAWINGS MAY RESULT IN MISINTERPRETATION OF CRITICAL DIMENSIONS AND DETAILS.
- 4. THE STRUCTURAL DRAWINGS ARE INTENDED TO SHOW THE GENERAL CHARACTER AND EXTENT OF THE PROJECT AND ARE NOT INTENDED TO SHOW ALL DETAILS OF WORK. USE ENTIRE DETAIL SHEETS AND SPECIFIC DETAILS REFERENCED IN THE PLANS AS "TYPICAL" WHEREVER THEY APPLY. USE DETAILS ON ENTIRE SHEETS WITH "TYPICAL" IN THE NAME WHEREVER THEY APPLY.
- 5. WHERE DESCREPANCIES OCCUR BETWEEN THE GENERAL STRUCTURAL NOTES, SPECIFICATIONS, PLANS/DETAILS OR REFERENCE STANDARDS, THE ARCHITECT/ENGINEER SHALL DETERMINE WHICH SHALL GOVERN. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK. SHOULD ANY DISCREPANCY BE FOUND IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL INCLUDE IN THE PRICE THE MOST EXPENSIVE WAY OF COMPLETING THE WORK, UNLESS PRIOR TO THE SUBMISSION OF THE PRICE, THE CONTRACTOR ASKS FOR A DECISION FROM THE ARCHITECT AS TO WHICH SHALL GOVERN. CONFLICTS BETWEEN THE CONTRACT DOCUMENTS SHALL NOT BE A BASIS FOR ADJUSTMENT IN CONTRACT PRICE.
- 6. THE CONTRACTOR SHALL FURNISH THE PRODUCTS SPECIFIED ON THE DRAWINGS. SUBSTITUTIONS WILL BE CONSIDERED ONLY IF THE CONTRACTOR PROVIDES DOCUMENTATION TO PROVE THE ALTERNATIVE EQUALS OR EXCEEDS THE STRUCTURAL PERFORMANCE CHARACTERISTICS OF THE SPECIFIED PRODUCT.

#### 7. CODE REQUIREMENTS:

A. ALL WORK SHALL BE IN STRICT COMPLIANCE WITH: B. 2021 INTERNATIONAL BUILDING CODE (IBC) AS AMENDED BY THE STATE OF MONTANA (INTERNATIONAL BUILDING CODE, 2021 EDITION, EFFECTIVE JUNE 11, 2022)

#### 1. TEMPORARY CONDITIONS:

- A. THE STRUCTURAL DRAWINGS REPRESNT THE STRUCTURE IN THE FINAL CONSTRUCTED CONDITION, CONTRACTOR SHALL PROVIDE ALL NECESSARY TEMPORARY SUPPORT PRIOR TO COMPLETION OF VERTICAL AND LATERAL LOAD SYSTEMS. MORRISON-MAIERLE HAS NOT BEEN RETAINED TO PROVIDE ANY SERVICES RELATED TO JOB SITE SAFETY PRECAUTIONS, OR TO REVIEW THE MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES FOR THE CONTRACTOR TO PERFORM WORK. UNLESS WE ARE SPECIFICALLY RETAINED AND COMPENSATED TO DO OTHERWISE, OUR WORK IS LIMITED TO THE FINAL DESIGN OF THE WORK DESCRIBED ON OUR DRAWINGS FOR THIS PROJECT. B. CONTRACTOR'S CONSTRUCTION AND/OR ERECTION SEQUENCES SHALL RECOGNIZE AND CONSIDER
- THE EFFECTS OF THERMAL MOVEMENTS OF STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PERIOD
- C. BASEMENT WALLS WHICH TIE TO UPPER SLABS SHALL NOT BE BACKFILLED UNTIL THE UPPER SLABS REACH FULL STRENGTH UNLESS ADEQUATE BRACING IS PROVIDED AT THE TOP OF THE WALL.

#### 2. EXISTING CONDITIONS:

A. EXISTING BUILDING/SITE DIMENSIONS AND ASSUMED CONDITIONS ARE TO BE VERIFIED IN THE FIELD AND ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/STRUCTURAL ENGINEER OF RECORD OF ALL DISCREPANCIES WHICH REQUIRE A SIGNIFICANT CHANGE IN THE DESIGN AND/OR CONSTRUCTION FROM THAT SHOWN ON THE DRAWINGS.

#### **DESIGN CRITERIA:**

1. DESIGN IS BASED ON THE FOLLOWING LOADING FOR THE BASIS OF STRENGTH, PERFORMANCE, AND SERVICEABILITY OF THE STRUCTURE:

DESIGN CRITERIA		
SNOW LOAD CRITERIA (IBC 160	3.1.3)	
DESIGN ROOF SNOW LOAD	46 PSF (NOT APPL	LIED TO SUN SHADE )
WIND LOAD CRITERIA (IBC 1603	.1.4)	
BASIC DESIGN WIND SPEED	V = 1	20 MPH
RISK CATEGORY		II
WIND EXPOSURE		В
INTERNAL PRESSURE COFFICIENT	GCpi	= +/- 0.18
SEISMIC LOAD CRITERIA (IBC 1)	603.1.5)	
RISK CATEGORY		
SEISMIC IMPORTANCE FACTOR	le	= 1.0
MAPPED SPECTRAL RESPONSE	Ss = 0.XXX	S1 = 0.XXX
SITE CLASS		D
DESIGN SPECTRAL RESPONSE	Sds = 0.XXX	Sd1 = 0.XXX
SEISMIC DESIGN CATEGORY		D
BASIC SEISMIC FORCE RESISTING	X DIRECTION (E/W)	Z DIRECTION (N/S)
SYSTEM (SFRS)	SPECIAL REINFORCED CONCRETE SHEAR WALLS	SPECIAL REINFORCED CONCRETE SHEAR WALLS
DESIGN BASE SHEAR	XXX KIPS	XXX KIPS
SEISMIC RESPONSE COEFFICIENT	0.XXX	0.XXX
RESPONSE MODIFICATION FACTOR	5.0	5.0
ANALYSIS PROCEDURE USED	EQUIVALENT LATERAL FORCE	EQUIVALENT LATERAL FORCE

## STRUCTURAL OBSERVATIONS:

- OTHER CODE REQUIREMENTS FOR INSPECTION.
- ANY REPORTED DEFICIENCIES WHICH HAVE NOT BEEN RESOLVED.

#### EARTHWORK

## **CAST-IN-PLACE CONCRETE:**

- NOTED OTHERWISE.

#### CONCRETE PROPERTIES

USE	EXI
EXTERIOR FOOTINGS AND WALLS	F2
INTERIOR FOOTINGS AND WALLS	F0
EXTERIOR SLABS ON GRADE	F1
INTERIOR SLABS ON GRADE	F0
INTERIOR SLAB ON METAL DECK	F0
POST TENSIONED SLABS & BEAMS	F0
COLUMNS AND SHEARWALLS	F0
DRILLED PIERS	F0
MAT FOUNDATIONS	F1
3. CONCRETE IS EXPOSURE CLA	SS

- BE CLEANED AND ROUGHENED TO A MINIMUM 1/4" AMPLITUDE.

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE ENGINEER OF RECORD A MINIMUM OF 24 HOURS IN ADVANCE OF REQUIRED/LISTED OBSERVATION STAGES BELOW. CONTRACTOR SHALL PROVIDE SUFFICIENT NOTICE AND ACCESS FOR THE OBSERVER. APPROVAL BY THE MUNICIPAL INSPECTOR DOES NOT PRECLUDE OBSERVATIONS BY THE ENGINEER OF RECORD AND APPROVAL BY THE ENGINEER OF RECORD DOES NOT PRECLUDE THE INSPECTION PROCESS BY THE MUNICIPAL INSPECTOR AND ANY

2. UPON COMPLETION OF WORK THE STRUCTURAL OBSERVER SHALL SUBMIT A REPORT TO THE OWNER AND BUILDING OFFICIAL ATTESTING TO THE VISUAL OBSERVATION MADE. THE REPORT SHALL IDENTIFY

1. A GEOTECHNICAL INVESTIGATION AND REPORT HAS BEEN PREVIOUSLY COMPLETED BY ALLIED ENGINEERING SERVICES, INC.. REFER TO COMPLETED GEOTECHNICAL REPORT FOR RECOMMENDATIONS ON SITE PREPARATIONS, FILL SPECIFICATIONS AND SITE SPECIFIC CONSTRUCTION CONSIDERATIONS.

1. CONCRETE SHALL BE IN ACCORDANCE WITH ACI 301, SPECIFICATION FOR STRUCTURAL CONCRETE, AND ACI 117, SPECIFICATION FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS, UNLESS

2. AVERAGE CONCRETE STRENGTH DETERMINED BY JOB CAST LAB CURED CYLINDER PER ASTM C39 TO BE AS INDICATED BELOW PLUS INCREASE DEPENDING ON THE PLANT'S STANDARD DEVIATION AS SPECIFIED IN ACI 318, MINIMUM CONCRETE PROPERTIES SHALL BE AS FOLLOWS:

POSURE	MIN COMPRESSIVE STRENGTH	TEST AGE DAYS	AIR CONTENT	MAX WATER TO CEMENT RATIO	MAX AGGERGATE SIZE
	4,500 PSI	28	6% +/- 1.5%	0.45	1"
	4,000 PSI	28		0.45	1"
	3,500 PSI	28	4.5% +/- 1.5%	0.55	1"
	3,500 PSI	28		0.50	1"
	3,500 PSI	28		0.50	3/4"
	5,000 PSI	28		0.45	3/4"
	5,000 PSI	56		0.45	3/4"
	3,000 PSI	28		0.45	3/4"
	5,000 PSI	28		0.45	1"
	6,250 PSI	90		0.45	1

W0 OR W1, CLASS C0 OR C1 AND CLASS S0 UNLESS OTHERWISE NOTED.

4. THE CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGNS ALONG WITH TEST DATA A MINIMUM OF TWO WEEKS PRIOR TO PLACING CONCRETE. ADDITIONAL WATER SHALL NOT BE ADDED TO THE CONCRETE MIX AT THE JOBSITE UNLESS SPECIFICALLY NOTED IN THE MIX DESIGN.

5. SLEEVES, OPENINGS, CONDUITS AND OTHER EMBEDDED ITEMS IN SLABS SHALL NOT BE LARGER IN OUTSIDE DIMENSION THAN ONE THIRD OF THE THICKNESS OF THE SLAB AND SHALL NOT BE SPACED CLOSER THAN THREE DIAMETERS ON CENTER AND SHALL BE APPROVED BY THE EOR BEFORE POURING.

6. CURING OF CONCRETE SHALL COMPLY WITH ACI 308, UNLESS NOTED OTHERWISE.

WHERE CONCRETE IS PLACED AGAINST EXISTING CONCRETE, THE EXISTING CONCRETE SURFACE SHALL

8. PROVIDE 3/4" CHAMFERS ON ALL EXPOSED CONCRETE CORNERS UNLESS NOTED OTHERWISE.

## REINFORCING STEEL

1. REINFORCING STEEL SHALL CONFORM TO THE FOLLOWING PROPERTIES:

**REINFORCEMENT STEEL PROPERTIES** 

USE	REINFORCEMENT SIZE	SPECIFICATION
GENERAL USE	#7 & SMALLER	ASTM A615, GRADE 60
BEAMS AND COLUMNS	#8 & LARGER	ASTM A706
SHEARWALLS & MOMENT FRAMES	ALL	ASTM A706
REINFORCEMENT TO BE WELDED	ALL	ASTM A706
WELDED WIRE REINFORCEMENT	ALL	ASTM A1064

2. REINFORCING STEEL TO BE WELDED SHALL USE ONLY LOW HYDROGEN ELECTRODES. ALL WELDING TO BE IN COMPLIANCE WITH AWS D1.4. WELD REINFORCING STEEL ONLY WHERE INDICATED ON THE DRAWINGS. WELDING OR TACK WELDING OF REINFORCEMENT BARS TO OTHER BARS OR STEEL COMPONENTS IS PROHIBITED.

- REINFORCING STEEL IN BEAMS AND SLABS SHALL BE SUPPORTED ON CONCRETE DOBBIES, OR APPROVED CHAIRS IN SUFFICIENT NUMBERS TO SUPPORT THE BARS WITHOUT SETTLEMENT. FABRICATE AND INSTALL REINFORCING STEEL ACCORDING TO THE MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES - ACI STANDARD 315.
- CONTACT LAP ALL REINFORCING BARS PER THE TYPICAL LAP SPLICE LENGTH SCHEDULE, EXCEPT AS NOTED ON DRAWINGS. MECHANICAL SPLICES NOTED ON THE DRAWINGS SHALL BE DAYTON SUPERIOR BAR-LOCK OR APPROVED WITH A CURRENT ICC-ES OR IAPMO-ES EVALUATION REPORT.

GRADE 60 REINFORCING STEEL LAP SPLICE LENGTH AND DEVELOPMENT LENGTH

	f'c = 3,000 PSI			f'c = 4	f'c = 4,000 PSI				f'c = 5,000 PSI						
BAR SIZE	MISC BARS TOP BARS HOOK (SEE NOTE 3) BARS		MISC	MISC BARS TOP BARS HOOK (SEE NOTE 3) BARS			MISC BARS		TOP BARS (SEE NOTE 3)		HOOK BARS				
	Ld	LAP	Ld	LAP	Ldh	Ld	LAP	Ld	LAP	Ldh	Ld	LAP	Ld	LAP	Ldh
#3	17	22	22	28	9	15	19	29	25	8	13	17	17	22	7
#4	22	29	29	38	11	19	25	25	33	10	17	23	23	29	9
#5	28	36	36	47	14	24	31	31	41	12	22	28	28	36	11
#6	33	43	43	56	17	29	37	37	49	15	26	34	34	44	13
#7	48	63	63	81	20	42	54	54	71	17	38	49	49	63	15
#8	55	72	72	93	22	48	62	62	81	19	43	56	56	72	17
#9	62	81	81	105	25	54	70	70	91	22	48	63	63	81	20
#10	70	91	91	118	28	61	79	79	102	25	54	71	71	92	22
#11	78	101	101	131	31	67	87	87	114	27	60	78	78	102	24

1. ALL TABULATED VALUES ARE IN INCHES, FOR GRADE 60, UNCOATED REINFORING, NORMAL WEIGHT CONCRETE WITH CLEAR SPACING AND CLEAR COVER GREATER THAN THE BAR DIAMETER.

2. IT SHALL BE PERMITTED TO INTERPOLATE BETWEEN CONCRETE STRENGTHS OR USE THE NEXT LOWER CONCRETE STRENGTH. 3. TOP BARS ARE ANY HORIZ BAR PLACED SUCH THAT MORE THAN 12" OF FRESH CONCRETE IS CAST IN THE

MEMBER BELOW THE BAR IN ANY SINGLE POUR. HORIZ WALL BARS ARE CONSIDERED TOP BARS. 4. LAP SPLICES ARE FOR NON-LATERAL LOAD RESISTING ELEMENTS. FOR REBAR LAPS SPLICES AT LATERAL LOAD

RESISTING ELEMENTS, REFERENCE PLANS AND ELEVATIONS.

5. Ld = DEVELOPMENT LENGTH IN TENSION OF DEFORMED BAR Ldh = DEVELOPMENT LENGTH IN TENSION OF DEFORMED BAR OR DEFORMED WIRE WITH A STANDARD HOOK LAP = LAP SPLICE LENGTH OF DEFORMED BAR OR DEFORMED WIRE

5. REINFORCING STEEL SHALL BE PROTECTED BY PLACING BARS WITH A MINIMUM COVER, UNLESS NOTED OTHERWISE.

**REINFORCING STEEL CONCRETE COVER** 

USE	CLEAR COVER
SLABS	3/4"
BEAMS AND COLUMNS	1-1/2" (TO STIRRUPS OR TIES)
WALLS (INTERIOR FACES)	3/4"
CONCRETE CAST AGAINST EARTH	3"
CONCRETE EXPOSED TO WEATHER OR EARTH	1-1/2" (FOR #5 OR SMALLER), 2" (FOR #6 AND LARGER

6. PROVIDE DOWELS FROM FOOTINGS TO MATCH ALL VERTICAL WALL, PILASTER AND COLUMN REINFORCING. PROVIDE CORNER BARS TO MATCH HORIZONTAL REINFORCING IN WALLS AND FOOTINGS AT ALL CORNERS AND INTERSECTIONS. CONTINUE HORIZONTAL WALL BARS THROUGH PILASTERS COLUMNS AND INTERSECTING WALLS.

## STRUCTURAL STEEL

1. DESIGN, FABRICATION AND ERECTION OF STEEL MEMBERS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF AISC 360 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS AND AISC 303 CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.. STRUCTURAL STEEL SHALL BE:

STRUCTURAL STEEL	
SHAPE	MATERIAL SPECIFICATION AND GRADE
WIDE FLANGE (W-SHAPES)	ASTM A992, GRADE 50
CHANNELS (C-SHAPES)	ASTM A36, GRADE 36
ANGLES (L-SHAPES)	ASTM A36, GRADE 36
STRUCTURAL TEES (WT-SHAPES)	ASTM A992, GRADE 50
HOLLOW STRUCTURAL SECTIONS (HSS)	ASTM A500, GRADE C
STRUCTURAL PIPES	ASTM A53, GRADE B
PLATES	ASTM A36, GRADE 36
PLATES NOTED AS "GR. 50"	ASTM A572, GRADE 50

- 2. BOLTS SHALL CONFORM TO THE ASTM AND RCSC SPECIFICATIONS FOR JOINTS USING GROUP A OR GROUP B HIGH STRENGTH BOLTS. BOLTS SHALL BE INSTALLED SNUG-TIGHT UNLESS NOTED OTHERWISE. WHERE SLIP CRITICAL IS SPECIFIED ON PLANS, ALL FAYING SURFACES SHALL BE PREPARED AS REQUIRED FOR CLASS A OR BETTER SLIP CRITICAL JOINTS. ALL BOLTS SPECIFIED AS SLIP CRICIAL AND UTILIZED IN SEISMIC FORCE RESISTING ELEMENTS SHALL BE FULLY TENSIONED.
- 3. ANCHOR RODS SHALL CONFORM TO ASTM F1554, GRADE 36 UNLESS NOTED OTHERWISE. ANCHOR RODS TO BE WELDED SHALL CONFORM TO ASTM F1554, GRADE 55. THREADED RODS SHALL CONFORM TO ASTM A36 UNLESS NOTED OTHERWISE.
- WELDING SHALL CONFORM TO AWS D1.1, STRUCTURAL WELDING CODE STEEL WITH PREQUALIFIED WELDING PROCESSES EXCEPT AS MODIFIED BY AISC 360 SECTION J2. WELDING SHALL BE COMPLETED BY AWS-CERTIFIED WELDERS.
- . WELDS SHALL BE MADE USING E70XX ELECTRODES FOR SHIELDED METAL ARC WELDING (SMAW) AND E71TX WIRE FOR FLUX-CORED ARC WELDING (FCAW) PROCESSES. FOR COMPLETE JOINT PENETRATION WELDS ASSOCIATED WITH MEMBER SPLICES AND CONNECTIONS NOT PART OF THE SEISMIC FORCE RESISTING SYSTEM, WELDS SHALL BE MADE WITH FILLER METAL THAT HAS A MINIMUM CVN TOUGHNESS OF 20 FT-LBS AT 40°F.
- FIELD WELDING SYMBOLS HAVE NOT NECESSARLY BEEN INDICATED ON THE DRAWING. WHERE SHOWN, PROPER FIELD WELDING PER AWS SHALL BE USED. WHERE NO FIELD WELDING SYMBOLS ARE SHOWN, IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE USE OF SHOP AND FIELD WELDS.
- ERECTION AIDS ARE TO BE DETERMINED AND PROVIDED BY THE CONTRACTOR. THE CONTRACTOR'S ERECTOR AND FABRICATOR SHALL COORDINATE THE TYPE AND QUANTITY OF ERECTION AIDS. THE CONTRACTOR IS SOLELY REPONSIBLE FOR ERECTION SEQUENCING, TEMPORARY BRACING, SAFETY OF WORKERS, AND OVERALL COMPLIANCE WITH APPLICABLE OSHA REQUIREMENTS.
- 8. PROVIDE WEEP HOLES AT EXTERIOR CLOSED SECTIONS WHERE MOISTURE MAY ACCUMULATE. 9. SEE ARCHITECTURAL FOR ADDITIONAL REQUIRED STEEL PENETRATIONS FOR MEP, OR OTHER

DISCIPLINES.

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AMERICAN INDIAN HALL OUTDOOR CLASSROOM	MONTANA STATE UNIVERSITY
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## STATEMENT OF SPECIAL INSPECTION AND TESTING NOTES:

- 1. SPECIAL INSPECTIONS SHALL CONFORM TO SECTION 1705 OF THE 2021 IBC, CONTRACT DOCUMENTS AND APPROVED SUBMITTALS. REFER TO SPECIAL INSPECTION AND TESTING TABLES FOR PROJECT REQUIREMENTS.
- 2. SPECIAL INSPECTIONS AND ASSOCIATED TESTING SHALL BE PERFORMED BY AN APPROVED ACCREDITED INDEPENDENT AGENCY MEETING THE REQUIREMENTS OF ASTM E329 (MATERIALS). THE INSPECTION AND TESTING AGENCY SHALL FURNISH TO THE STRUCTURAL ENGINEER/ ARCHITECT A COPY OF THEIR SCOPE OF ACCREDITATION. SPECIAL INSPECTORS SHALL BE APPROVED BY THE BUILDING OFFICIAL. WELDING INSPECTORS SHALL BE QUALIFIED PER SECTION 6.1.4.1(1) OF AWS D1.1.
- 3. THE SPECIAL INSPECTOR SHALL OBSERVE THE INDICATED WORK FOR COMPLIANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION AND NOTED IN THE INSPECTION REPORTS. ISSUES REQUIRING IMMEDIATE CORRECTIVE ACTIONS OR ENGINEERING INPUT ARE TO BE BROUGHT TO THE ENGINEER'S ATTENTION IMMEDIATELY UPON DISCOVERY.
- 4. THE CONSTRUCTION OR WORK FOR WHICH SPECIAL INSPECTION IS REQUIRED SHALL REMAIN ACCESSIBLE AND EXPOSED FOR SPECIAL INSPECTION PURPOSES UNTIL COMPLETION OF THE REQUIRED SPECIAL INSPECTIONS.
- 5. THE SPECIAL INSPECTOR AND GEOTECHNICAL ENGINEER SHALL FURNISH INSPECTION REPORTS FOR EACH INSPECTION TO THE BUILDING OFFICIAL, STRUCTURAL ENGINEER, ARCHITECT, CONTRACTOR, AND OWNER. THE SPECIAL INSPECTION AGENCY SHALL SUBMIT A FINAL REPORT STATING THAT THE WORK REQUIRING SPECIAL INSPECTION WAS INSPECTED AND IS IN CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS AND THAT ALL DISCREPANCIES NOTED IN THE INSPECTION REPORTS HAVE BEEN CORRECTED.
- 6. QUALITY ASSURANCE (QA) IS REQUIRED FOR STRUCTURAL STEEL ITEMS PER AISC 360 AND 341 UNLESS SPECIFICALLY NOTED OTHERWISE. QUALITY CONTROL (QC) TO BE PROVIDED BY THE FABRICATOR, ERECTOR OR OTHER RESPONSIBLE CONTRACTOR AS APPLICABLE. CONTRACTOR AND SPECIAL INSPECTOR TO DOCUMENT QUALITY CONTROL AS REQUIRED IN AISC 360 SECTION N3 AND AISC 341 SECTION J2
- 7. INSPECTION TYPES:

DIAPHRAGMS AND FRAMING

- CONTINUOUS : THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED. PERIODIC : THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK.
- OBSERVE (0) : OBSERVE THESE FUNCTIONS ON A RANDOM, DAILY BASIS. OPERATIONS NEED NOT BE DELAYED PENDING OBSERVATIÓNS.
- PERFORM (P) : INSPECTIONS SHALL BE PERFORMED PRIOR TO THE FINAL ACCEPTANCE OF THE ITEM. DOCUMENT (D): INDICATES CONTRACTOR AND SPECIAL INSPECTOR TO PROVIDE DOCUMENTATION IN ACCORDANCE WITH AISC 341.
- 8. SPECIAL INSPECTION OF MECHANICAL POST INSTALLED ANCHORS SHALL BE IN STRICT CONFORMANCE WITH THE ICC REPORT AND MANUFACTURER'S INSTALLATION REQUIREMENTS. ANCHOR INSTALLERS SHALL BE QUALIFIED AS REQUIRED BY JURISDICTION REQUIREMENTS.
- INSPECTION REPORTS SHALL IDENTIFY NAMES OF INSTALLERS. SPECIAL INSPECTOR SHALL PROVIDE DOCUMENTATION AT THE END OF ANCHOR INSTALLATIONS STATING THAT THE ANCHORS WERE INSPECTED PER APPROVED ANCHOR EVALUATION REPORT.
- 9. EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF THE MAIN WIND-OR SEISMIC-FORCE-RESISTING SYSTEM, DESIGNATED SEISMIC SYSTEM OR A WIND-OR SEISMIC- RESISTING COMPONENT LISTED IN THE TABLES SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN THE FOLLOWING
- ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS. ACKNOWLEDGEMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION
- DOCUMENTS APPROVED BY THE BUILDING OFFICIAL. • PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY
- OF REPORTING AND DISTRIBUTION OF THE REPORTS. • IDENTIFICATION AND QUALIFICATIONS OF THE PERSON(S) EXERCISING SUCH CONTROL AND THEIR POSITION(S) IN THE ORGANIZATION.

SYSTEM OR MATERIAL IBC CODE STANDARD FREQUENCY (NOTE 7) REMARKS									
STSTEW OR MATERIAL	REFERENCE	REFERENCE	CONTINUOUS PERIODI						
FABRICATORS	1705.11 1704.2.5				SPECIAL INSPECTION IS REQUIRED FOR STRUCTURAL LOAD-BEARING MEMBERS AND ASSEMBLIES FABRICATED ON THE PREMISES OF A FABRICATOR'S SHOP, SPECIAL INSPECTIONS SHALL BE PERFORMED DURING FABRICATION. PERFORMING SPECIAL INSPECTIONS IS NOT REQUIRED, WHERE FABRICATOR HAS BEEN APPROVED AS AN APPROVED FABRICATOR, PER IBC SECTION 1704.2.5.1. - STEEL FABRICATORS AND INSTALLERS CERTIFIED THROUGH AISC COMPLY WITH THIS PROVISION. THE FABRICATOR AND OR INSTALLER MUST STILL COMPLETE AND DOCUMENT THE QUALITY CONTROL TASKS AND NON-DESTRUCTIVE TESTING OUTLINED IN AISC 360 AND AISC 341, AS APPLICABLE.				
DEFERRED SUBMITTALS				x	SPECIAL INSPECTION REQUIREMENTS FOR DEFERRED SUBMITTAL ITEMS, INCLUDING REQUIREMENTS FOR DESIGNATED SEISMIC SYSTEMS IN ACCORDANCE WITH IBC SECTION 1705.13.4 IF APPLICABLE, TO BE SPECIFIED BY THE SYSTEM ENGINEER AND INCLUDED WITH DEFERRED SUBMITAL DOCUMENTS.				
SUBMITTALS TO THE BUILDING OFFICIAL	1704.5			х	CERTIFICATES OF COMPLIANCE, REPORTS OF PRE-CONSTRUCTION TESTS, OR REPORTS OF MATERIAL PROPERTIES SHALL BE SUBMITTED TO TH				
PRE-ENGINEERED STRUCTURES	1705.1.1	МВМА	Х	х	REFER TO DEFERRED SUBMITTALS AND FABRICATORS REQUIREMENTS				
FIBER-REINFORCED COMPOSITE SYSTEMS	1705.1.1	AC178		х	MATERIALS AND INSTALLATION SPECIAL INSPECTIONS PER ICC REPORT				
POST INSTALLED ADHESIVE ANCHORS WITH SUSTAINED TENSION LOADS INSTALLED HORIZONTALLY OR AT AN UPWARD INCLINE IN HARDENED CONCRETE AND COMPLETED MASONRY			х		SPECIAL INSPECTION OF MECHANICAL POST INSTALLED ANCHORS SHALL BE IN STRICT CONFORMANCE WITH THE ICC REPORT AND MANUFACTURER'S INSTALLATION REQUIREMENTS. ANCHOR INSTALLERS SHALL BE QUALIFIED AS				
POST INSTALLED MECHANICAL ANCHORS AND ADHESIVE ANCHORS (EXCLUDING CONDITIONS NOTED ABOVE) IN HARDENED CONCRETE AND COMPLETED MASONRY				х	REQUIRED BY JURISDICTION REQUIREMENTS.INSPECTION - REPORTS SHALL IDENTIFY NAMES OF INSTALLERS.				
WIND R	ESISTIN	G COMPO	ONENTS -	SPECIAL	INSPECTIONS				
ROOF COVERING, ROOF DECK AND ROOF FRAMING CONNECTIONS	1705.12.3			х					
EXTERIOR WALL COVERING AND WALL CONNECTIONS TO ROOF AND FLOOR DIAPHRAGMS AND FRAMING	1705.12.3			х					

#### **GENERAL - SPECIAL INSPECTIONS**

SYSTEM

#### GENERAL

SYSTEM OR MATERIAL

CONCRETE STRENGT CONCRETE SLUMP CONCRETE AIR CONTENT CONCRETE TEMPERATURE

SHOTCRETE TEST

SHOTCRETE STRENGTH

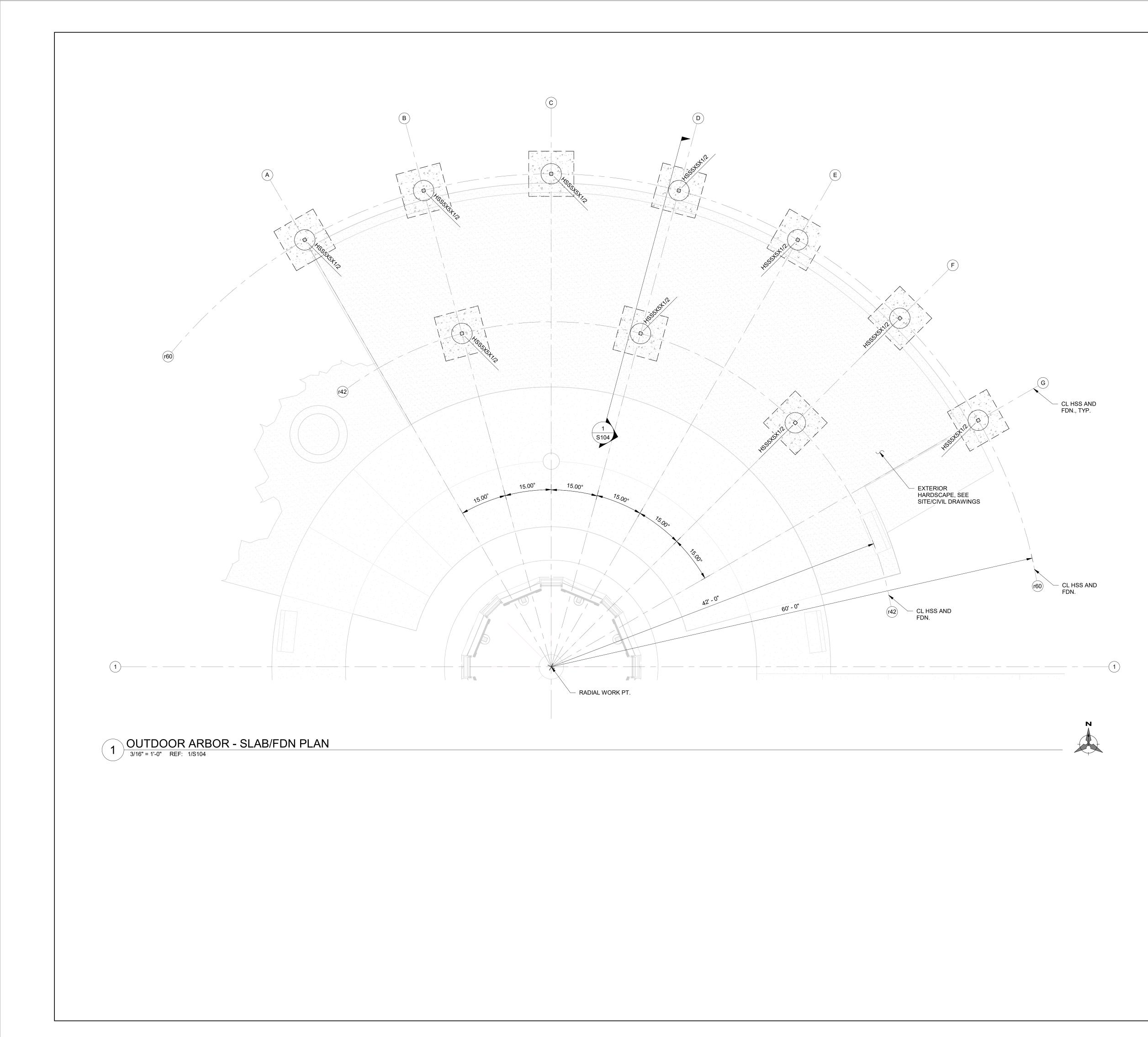
PANEL

SYSTEM OR MATERIAL	IBC CODE	CODE OR STANDARD	FREQUENCY	(NOTE 7)	REMARKS	
STSTEW OR MATERIAL	REFERENCE	REFERENCE	CONTINUOUS	PERIODIC		
GENERAL	1705.3 1901.6	ACI 318: 26.13		LINODIO	SPECIAL INSPECTIONS OF CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF SECTION 1705.3 OF THE IBC AND SECTION 26.13 OF ACI 318	
REINFORCING STEEL AND (POST TENSIONED/PRETENSIONED) TENDON PLACEMENT	1901.5	ACI 318: CH. 20, 25.2, 25.3, 26.6.1-26.6.3		х	REINFORCING TO COMPLY WITH ALL CODE PROTECTION, SPACING AND TOLERANCE LIMITS.	
WELDING REINFORCING STEEL						
1. VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A706	1705.3.1 1705.3.2	AWS D1.4		х		
2. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16" FILLET	1903.1 1903.2	ACI 318: 26.6.4		Х		
3. ALL OTHER REINFORCING STEEL WELDING,			Х			
INSPECT ANCHORS/BOLTS CAST IN CONCRETE	-	ACI 318:	х	х	ALL CAST-IN-PLACE ANCHORS/BOLTS SHALL BE VISUALLY INSPECTED. REFERENCE STEEL INSPECTIONS FOR ADDITIONAL INSTALLATION, MATERIAL AND WELDING INSPECTIONS OF STEEL ITEMS EMBEDDED IN CONCRETE (HEADED STUDS DBA's, ETC.)	
VERIFYING USE OF REQUIRED MIX DESIGN(S)	1904.1 1904.2 1908	ACI 318: CH. 19, 26.4.3, 26.4.4		х		
CONCRETE SPECIMENS FOR TESTING		ASTM C172 ASTM C31 ACI 318: 26.5, 26.12	x		PRIOR TO CONCRETE PLACEMENT, FABRICATE CONCRETE SPECIMENS FOR TESTING. SEE THE CONCRETE TESTING TABLE FOR ADDITIONAL INFORMATION.	
CONCRETE/SHOTCRETE PLACEMENT	1908	ACI 318: 26.5, 26.13.3.2(a)	×			
CONCRETE/SHOTCRETE CURING	1908.1	ACI 318: 26.5.3 - 26.5.5		х	VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURES AND TECHNIQUES	
APPLICATION OF PRESTRESSING FORCES AT PRESTRESSED / POST-TENSIONED CONCRETE		ACI 318: 26.10, 26.13.3.2	x			
GROUTING OF BONDED PRESTRESSING TENDONS AT PRESTRESSED / POST-TENSIONED CONCRETE		ACI 318: 26,10, 26.13.3.2	x			
VERIFICATION OF IN-SITU CONCRETE STRENGTH PRIOR TO STRESSING OF TENDONS N POST-TENSIONED CONCRETE		ACI 318: 26.11.2		х		
VERIFICATION OF IN-SITU CONCRETE PRIOR TO REMOVAL OF FORMS AND SHORES FROM ELEVATED BEAMS AND SLABS		ACI 318: 26.11.2		х		
ERECTION OF PRECAST MEMBERS		ACI 318: 26.9, 26.13.3.3		х	ALL CONNECTIONS VISUALLY INSPECTED. REFEIT TO ANCHOR BOLT AND WELDING REQUIREMENTS	
/ERIFICATION OF FORMWORK		ACI 318: 26.11.1.2(b), 26.13.3.3		х	SPECIAL INSPECTIONS APPLY TO SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED	
EMBEDDED ITEMS IN CONCRETE				х	ALL NON-STRUCTURAL EMBEDDED ITEMS, SUCH AS CONDUITS, PIPES AND SLEEVES, SHALL BE REVIEWED FOR CONFORMANCE WITH STRUCTURAL DOCUMENTS FOR SIZE, SPACING, LOCATION, EDGE DISTANCE AND TRIM	
REINFORCING STEEL MECHANICAL COUPLERS, TERMINATORS AND FORMSAVERS		ICC EVALUATION REPORTS		х		
REINFORCING STEEL PLACEMENT IN SPECIAL MOMENT RESISTING FRAMES	-	ACI 318 26.13.1.4, 26.13.3.2	х		INSPECTOR TO BE QUALIFIED TO PERFORM THES	

	CONCRETE - TESTING									
AL	IBC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY (NOTE 7)	REMARKS						
ΤН		ASTM C39								
	1705.3 ASTM C172	ASTM C143	EACH 150 CY NOR LESS THAN EACH							
	ASTM C31 ACI 318 26.12,	ASTM C231	5000 SF OF SLAB OR WALL PLACED EACH SHIFT	FABRICATE SPECIMENS AT TIME FRESH CONCRETE IS PLACED						
	ACI 318 26.5	ASTM C1064								
	1705.3 1908.1	ASTM C42 ASTM C1140	EACH 50 CY NOR LESS THAN EACH 5000 SF OF WALL PLACED EACH SHIFT	UNREINFORCED SPECIMEN TAKEN FROM THE IN-PLACE OR FROM TEST PANELS						
	1705.3 1908.1	ACI 506.2 ASTM C 1140	PANELS SHALL BE PROVIDED FOR EACH NOZZLEMAN, MIX DESIGN AND SHOT ANGLE USED ON THE PROJECT	PANEL SIZE AND QUANTITY SHALL BE AS REQUIRED TO OBTAIN REQUIRED CONFORMING TEST CYLINDERS AND MINIMUM SIZES PER PROJECT AND CODE REQUIREMENTS						

	STE	EL - SPECIAL	_ INSPECT	TIONS	1					
SYSTEM OR MATERIAL	IBC CODE	CODE OR STANDARD	FREQUENCY	' (NOTE 7)	REMARKS					
	REFERENCE		CONTINUOUS/ PERFORM	PERIODIC/ OBSERVE						
CONTRACTOR QUALITY CONTROL REQUIREMENTS		AISC 360 CHAPTER N	х	x	CONTRACTOR TO PROVIDE QUALITY CONTROL FOR ALL ITEMS INDICATED TO BE OBSERVED AND/OR PERFORMED IN TABLE BELOW					
	STEEL FABRICATION									
FABRICATION OF STRUCTURAL ELEMENTS	1704.2.5.1	AISC 360		Х	REFER TO INSPECTION OF FABRICATOR					
MATERIAL VERIFICATION OF STRUCTURAL STEEL COMPONENTS	1705.2	ASTM A6 ASTM STANDARDS SPECIFIED IN CONSTRUCTION DOCUMENTS AISC 360 A3.1 AISC 360 N2.1		x	CERTIFIED MILL TEST REPORTS					
MATERIAL VERIFICATION OF HIGH STRENGTH BOLTS, NUTS, AND WASHERS	OSSC 1705.2.1.2 AISC 360 M2.5 OSSC TABLE 1705.2-1	AISC 360 A3.3 AISC 360 N3.2 ASTM STANDARDS SPECIFIED IN CONSTRUCTION DOCUMENTS RCSC 2.1		x	MANUFACTURER'S CERTIFIED TEST REPORTS					
MATERIAL VERIFICATION OF ANCHOR BOLTS AND THREADED RODS		AISC 360 A3.4 AISC 360 N3.2 ASTM STANDARDS SPECIFIED IN CONSTRUCTION DOCUMENTS		x	MANUFACTURER'S CERTIFIED TEST REPORTS					
MATERIAL VERIFICATION OF WELD FILLER METALS	1705.2.1.1 TABLE 1705.2-5	AISC 360 A3.5 AISC 360 N3.2APPLICABLE AWS A5 DOCUMENTS		x	MANUFACTURER'S CERTIFIED TEST REPORTS					
PLACEMENT OF ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL: VERIFY THE DIAMETER, GRADE, TYPE, AND LENGTH OF THE ANCHOR ROD OR EMBEDDED ITEM AND THE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRETE PRIOR TO PLACEMENT OF CONCRETE	1705.2	AISC N5.8		x						
INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME TO VERIFY COMPLIANCE WITH THE DETAILS AS SHOWN ON THE CONSTRUCTIONS DOCUMENTS, SUCH AS BRACES, STIFFENERS, MEMBER LOCATIONS, AND PROPER APPLICATION OF JOINT DETAILS AT EACH CONNECTION	1705.2	AISCN5.8		x						

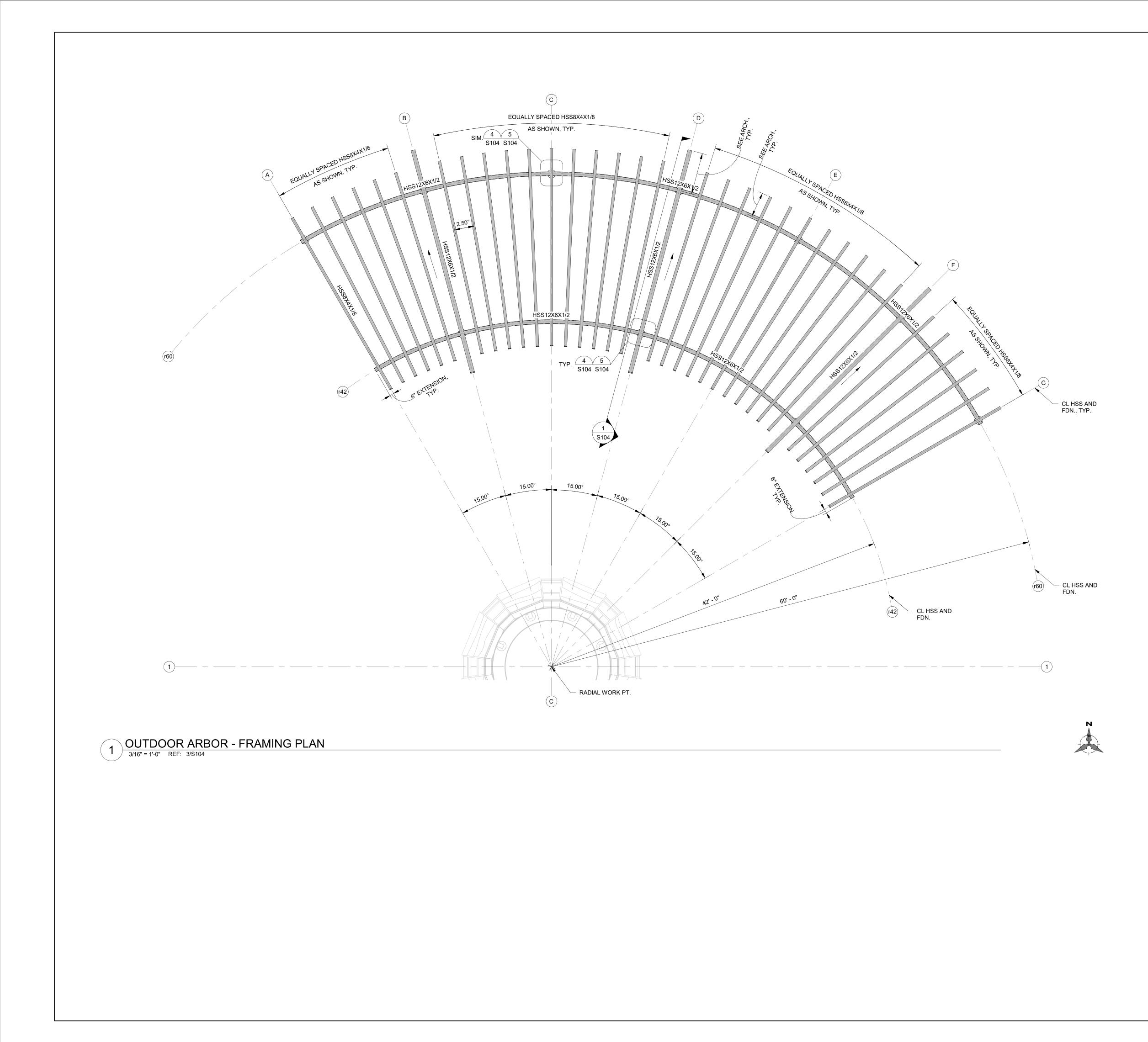
	STATE UNIVERSITY
	MSU-CPDC
	MONTANA STATE UNIVERSITY BOZEMAN, MONTANA PHONE: 406.994.5413 FAX: 406.994.5665
FOR CONSTRUCTION	AMERICAN INDIAN HALL OUTDOOR CLASSROOM MONTANA STATE UNIVERSITY
	THINK
	DRAWN BY: DRP REVIEWED BY: NJM REV. DESCRIPTION DATE
	No. 15739 PE 05/29/24 PPA#22-0644
	CONSULTANT#2200.044 SHEET TITLE STATEMENT OF SPECIAL INSPEC. SHEET
	SO01 DATE
	2024-05-29



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	<b>MONTANA</b> STATE UNIVERSITY
	THE STATE OF THE STATE
	MSU-CPDC Montana state university Bozeman, montana Phone: 406.994.5413 FAX: 406.994.5665
FOR CONSTRUCTION	AMERICAN INDIAN HALL OUTDOOR CLASSROOM MONTANA STATE UNIVERSITY
	DRAWN BY: DRP REVIEWED BY: NJM REV. DESCRIPTION DATE
	No. 15739 PE No. 15739 PE O5/29/24 ONA Lucuto PPA#22-0644
	consultant#2200.044 SHEET TITLE ARBOR FDN./SLAB PLAN SHEET SHEET S102
	DATE 2024-05-29

# FLOOR PLAN NOTES

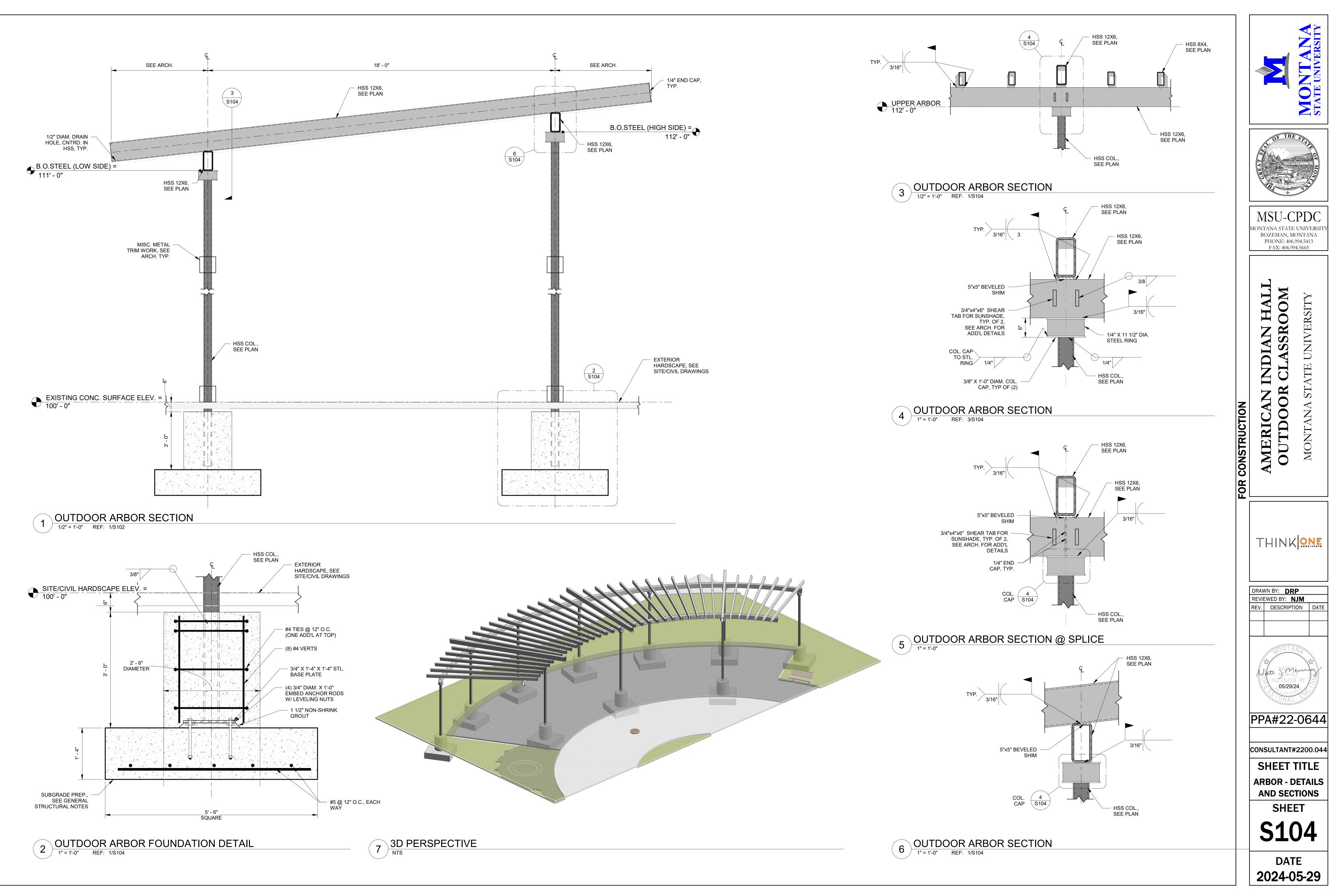
1. PROJECT DATUM ELEVATION = 100' - 0" AT TOP OF EXISTING CONCRETE SURFACE (SEE CIVIL DRAWINGS FOR ABSOLUTE ELEVATION). ALL SPOT ELEVATIONS ARE IN REFERENCE TO THE DATUM ELEVATION.

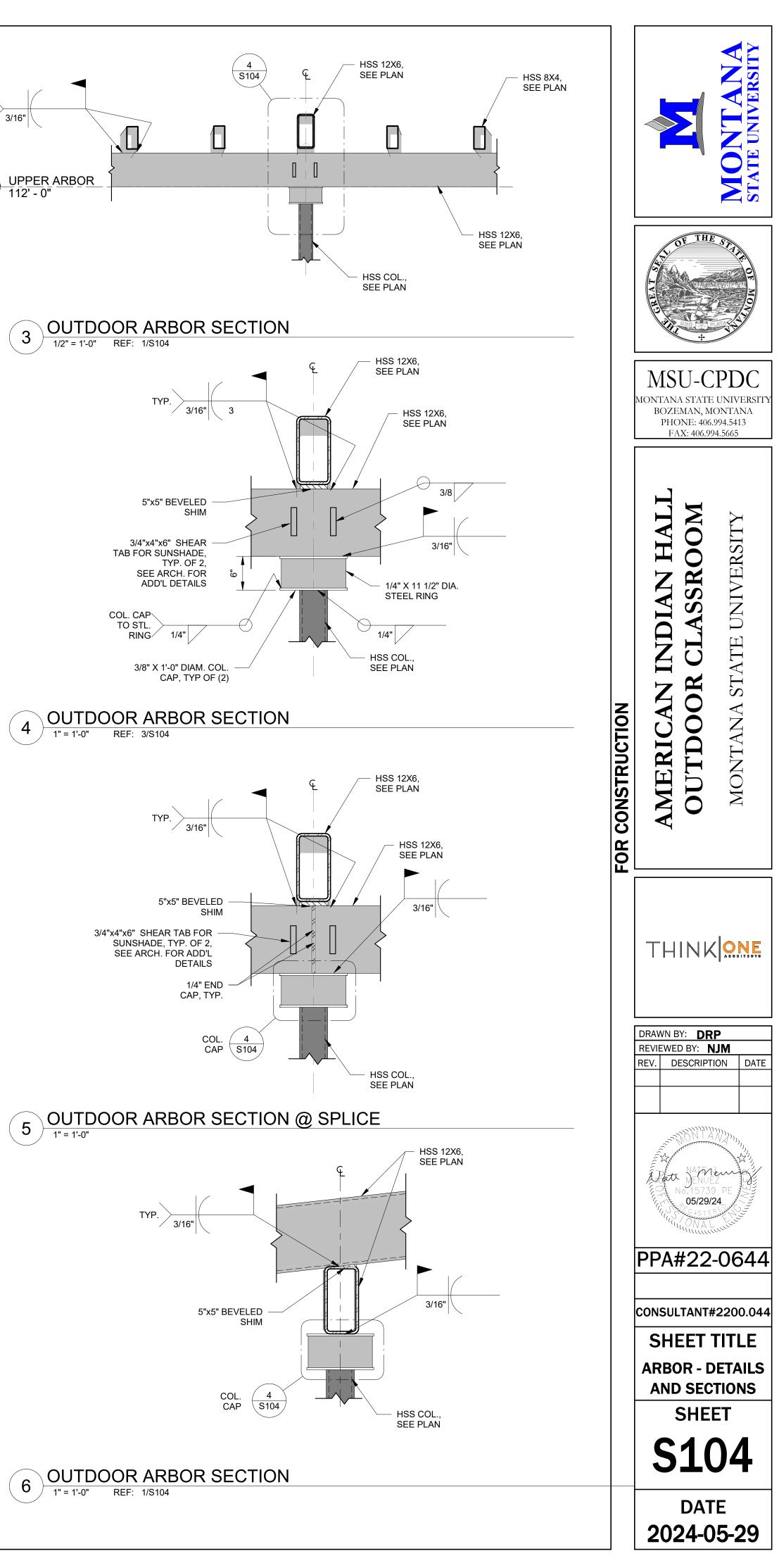


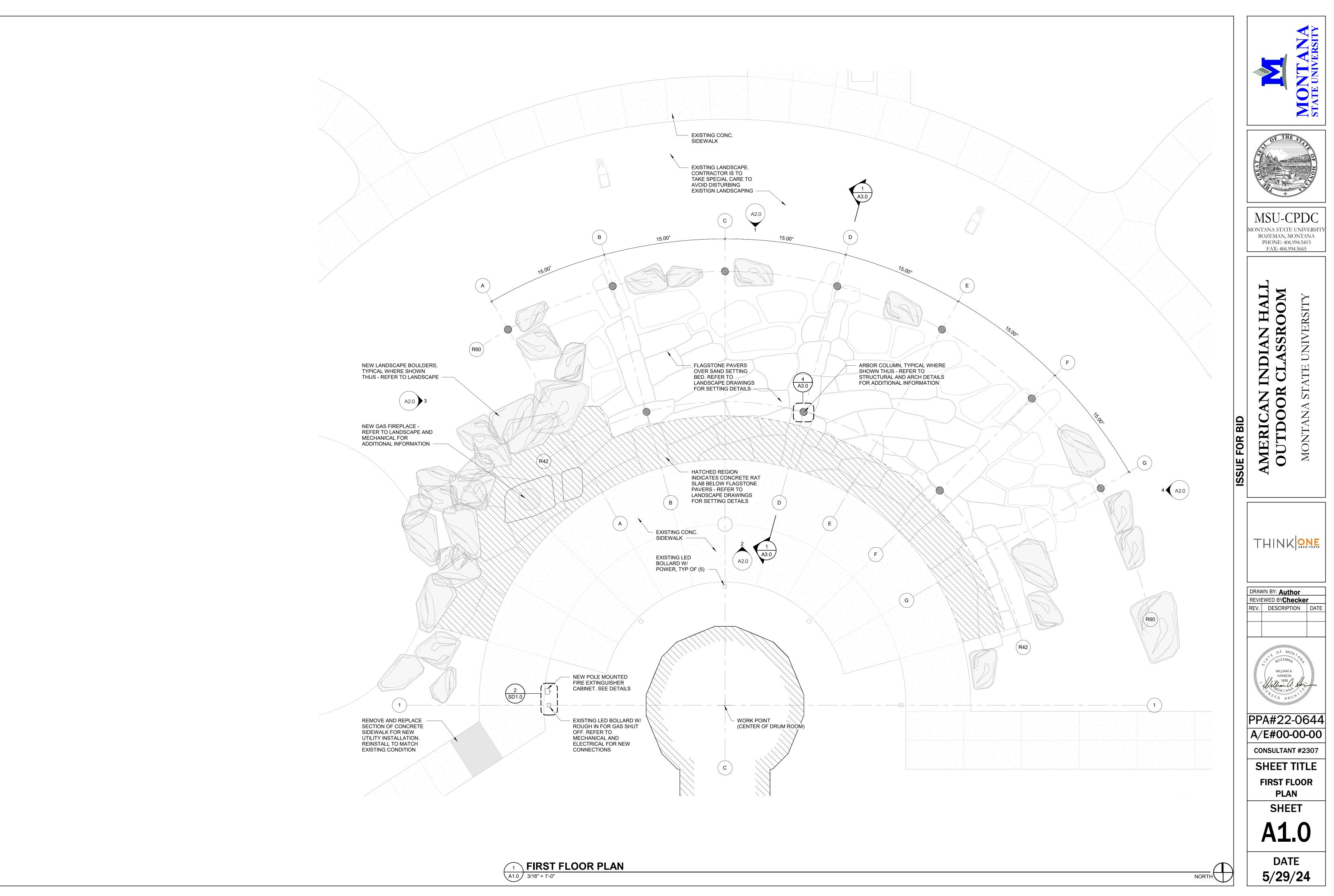
	A CONTANA STATE UNIVERSITY
	MSU-CPDC
	MONTANA STATE UNIVERSITY BOZEMAN, MONTANA PHONE: 406.994.5413 FAX: 406.994.5665
FOR CONSTRUCTION	AMERICAN INDIAN HALL OUTDOOR CLASSROOM MONTANA STATE UNIVERSITY
	THINK
	DRAWN BY: <b>DRP</b> REVIEWED BY: <b>NJM</b> REV. DESCRIPTION DATE
	PPA#22-0644 SHEET TITLE ARBOR FRAMING PLAN
	sheet <b>\$103</b>
	DATE 2024-05-29

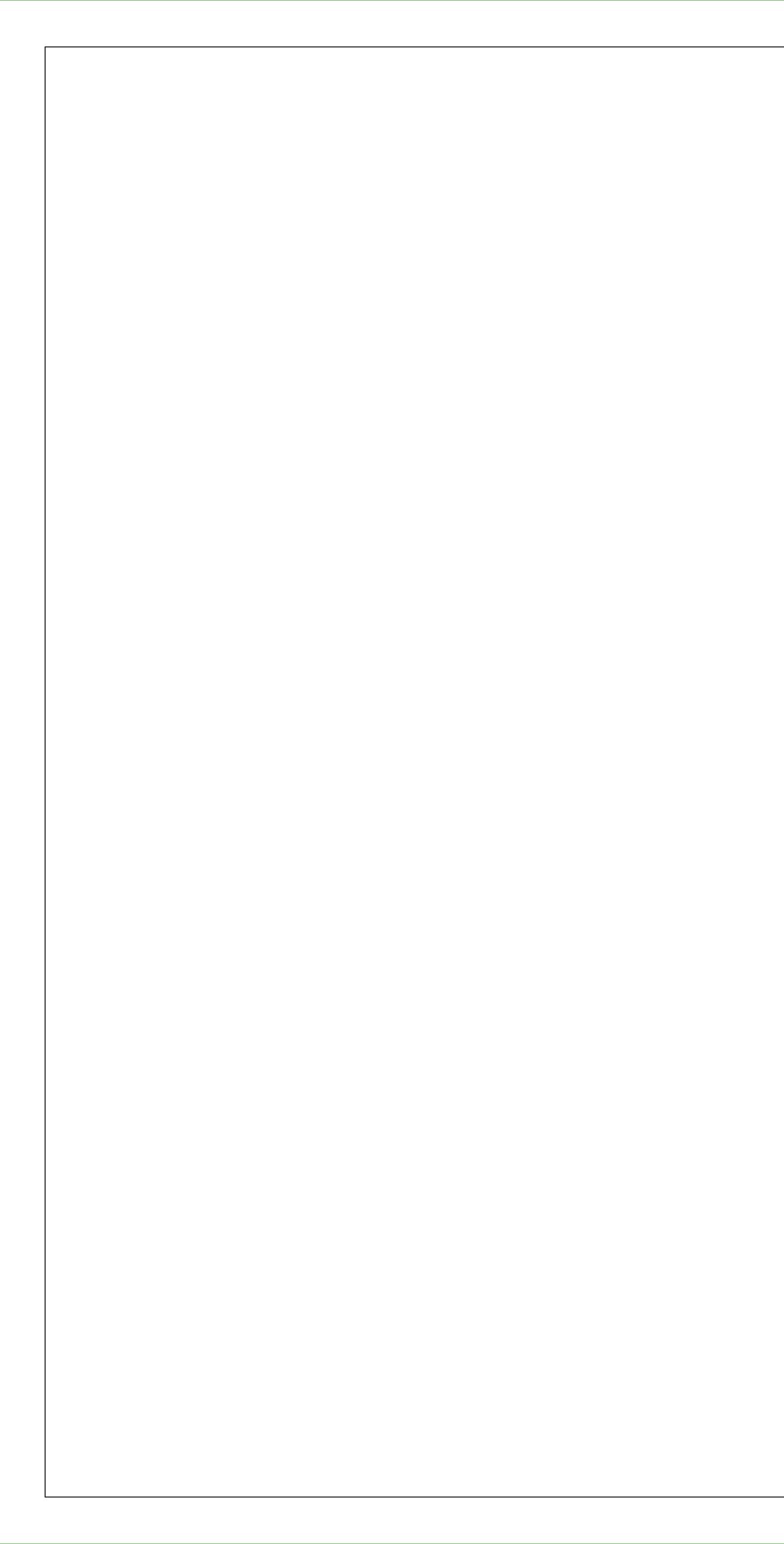
ROOF PLAN NOTES
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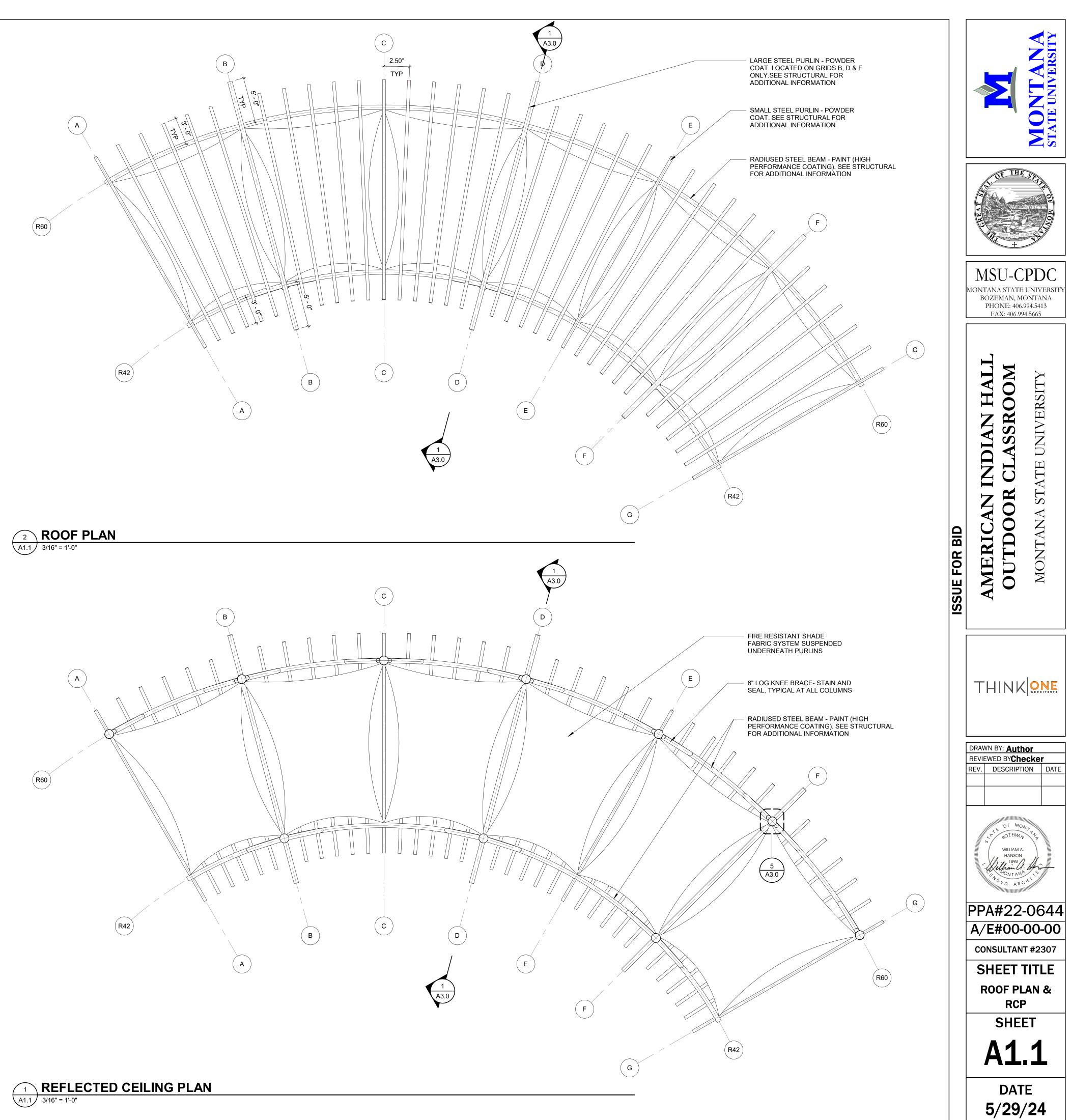
- PROJECT DATUM ELEVATION = 100' 0" AT TOP OF EXISTING CONCRETE SURFACE (SEE CIVIL DRAWINGS FOR ABSOLUTE ELEVATION). ALL SPOT ELEVATIONS ARE IN REFERENCE TO THE DATUM ELEVATION.
  UNLESS NOTED OTHERWISE, BEAMS AND/OR JOISTS ARE EQUALLY SPACED BETWEEN COLUMNS.

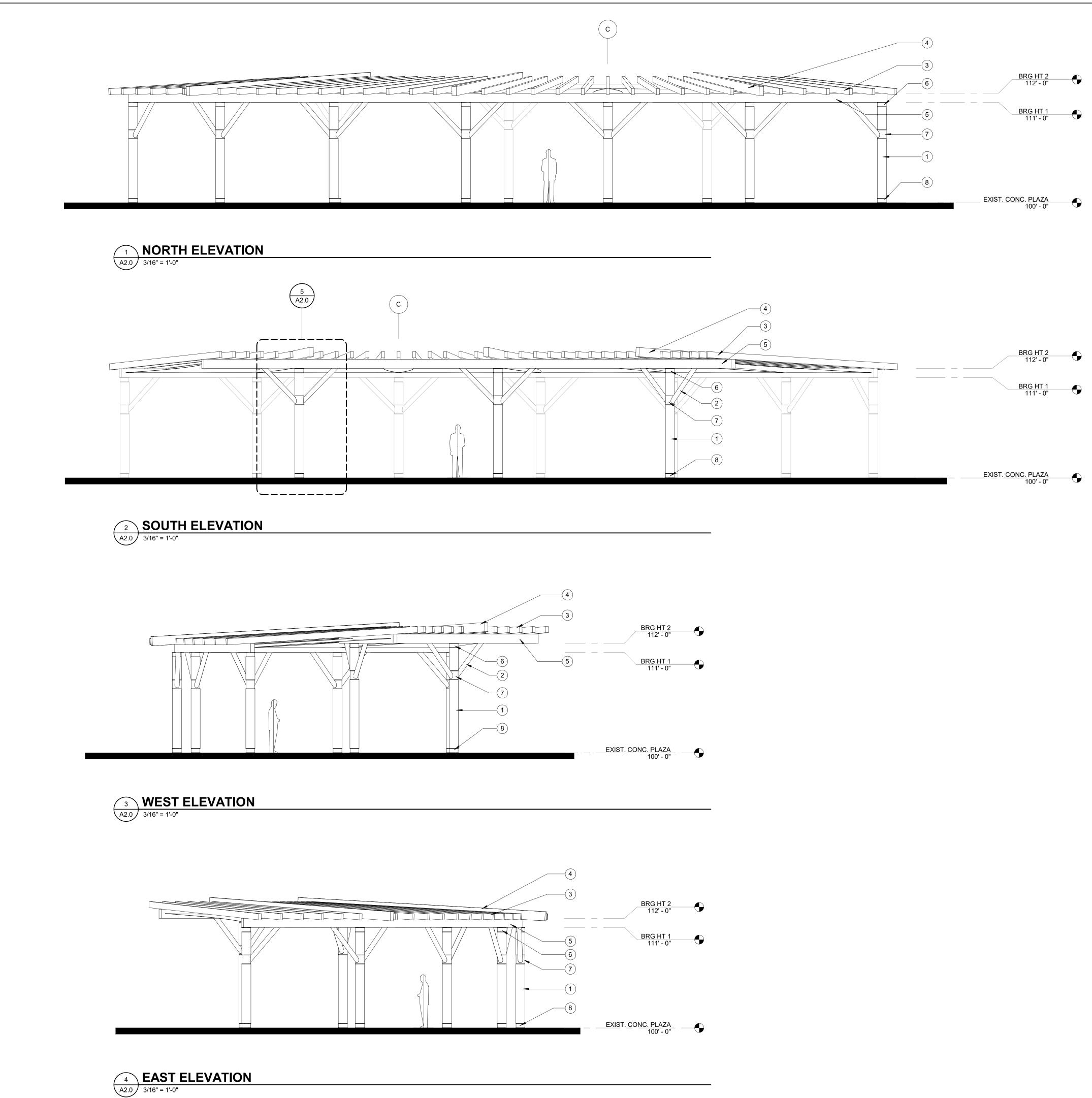




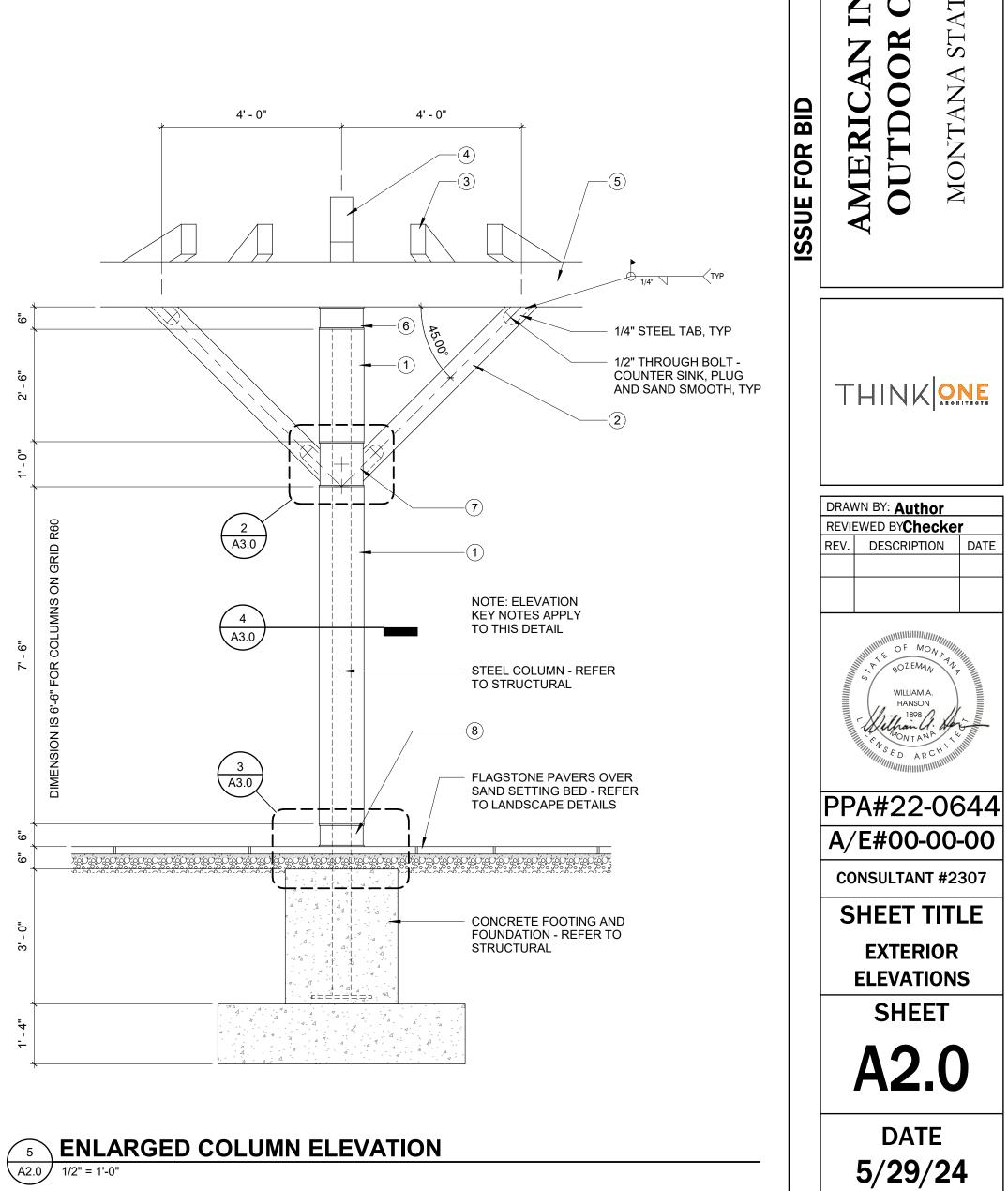


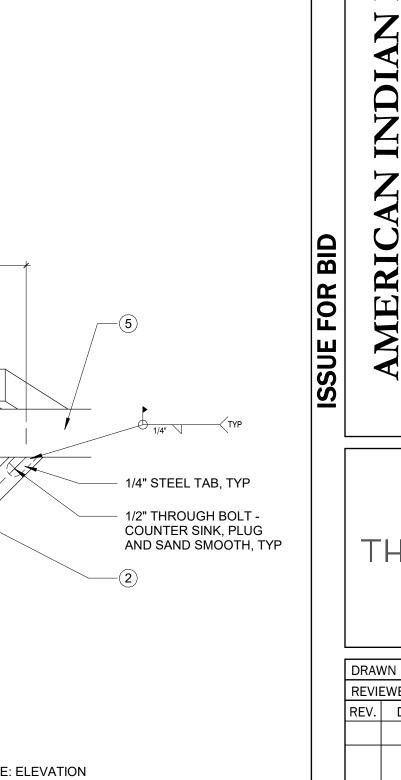


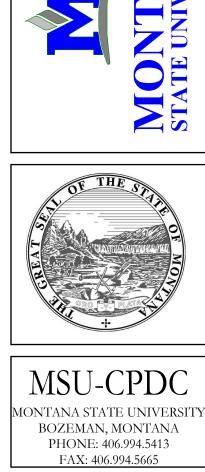




KEYE	ED NOTES FOR EXTERIOR ELEVATIONS
1	12" DIA. PEELED LOG COLUMN WRAP - STAIN & SEAL. SEE STRUCTURAL FOR STEEL COLUMN INFORMATION - TYP.
2	6" DIA. PEELED LOG KNEE BRACE - STAIN & SEAL. SEE DETAILS FOR ADDITIONAL INFORMATION
3	SMALL STEEL PURLIN - POWDER COAT. SEE STRUCTURAL FOR ADDITIONAL INFORMATION
4	LARGE STEEL PURLIN - POWDER COAT. LOCATED ON GRIDS B, D & F ONLY.SEE STRUCTURAL FOR ADDITIONAL INFORMATION
5	RADIUSED STEEL BEAM - PAINT (HIGH PERFORMANCE COATING. SEE STRUCTURAL FOR ADDITIONAL INFORMATION
6	12" DIA x 6" STEEL COLUMN CAP, POWDER COAT - REFER TO STRUCTURAL
7	12" DIA x 12" STEEL COLLAR, POWDER COAT - SEE DETAILS FOR ADDITIONAL INFORMATION
8	12" DIA x 6" STEEL BASE, POWDER COAT - SEE DETAILS FOR ADDITIONAL INFORMATION

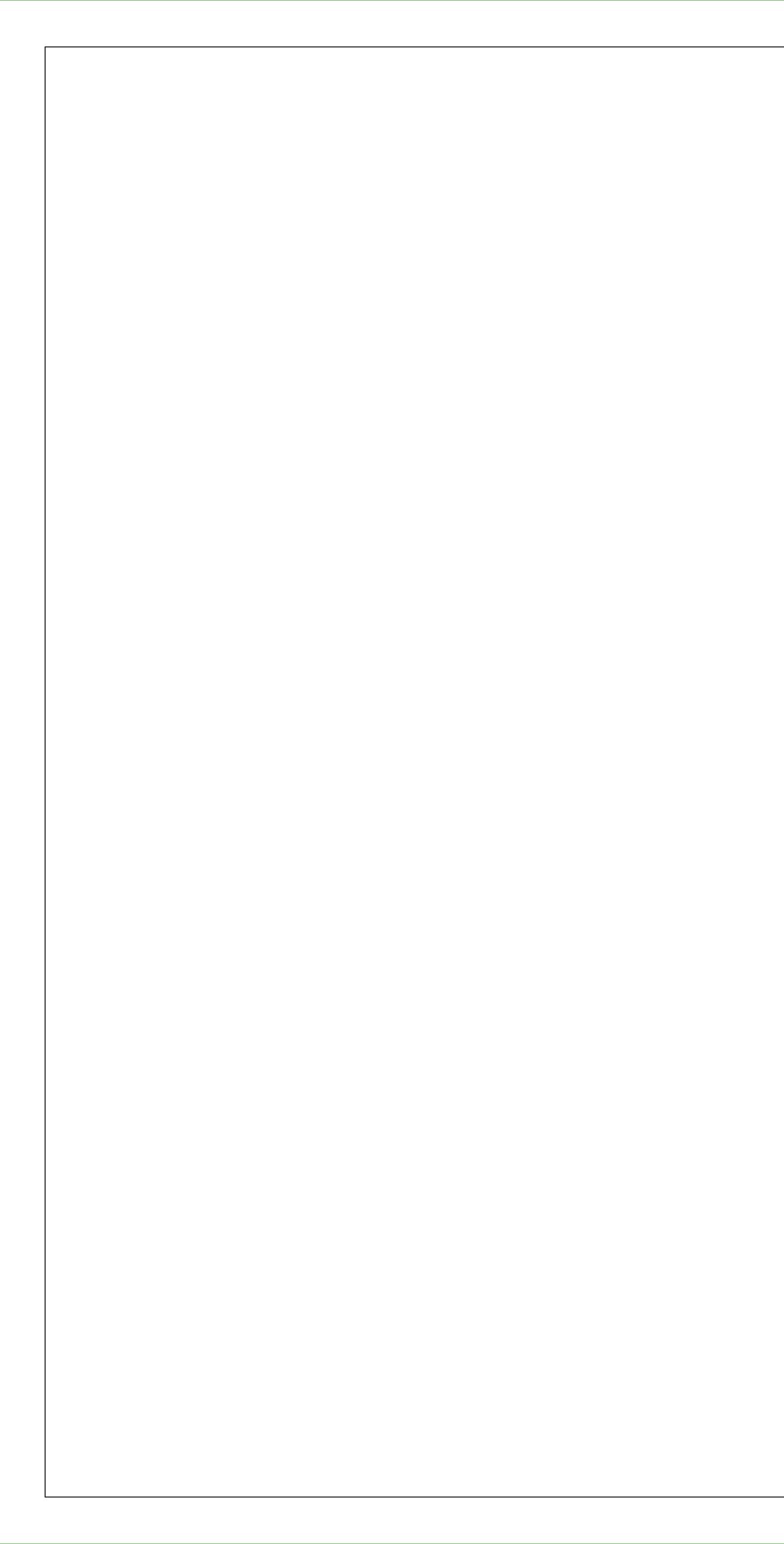


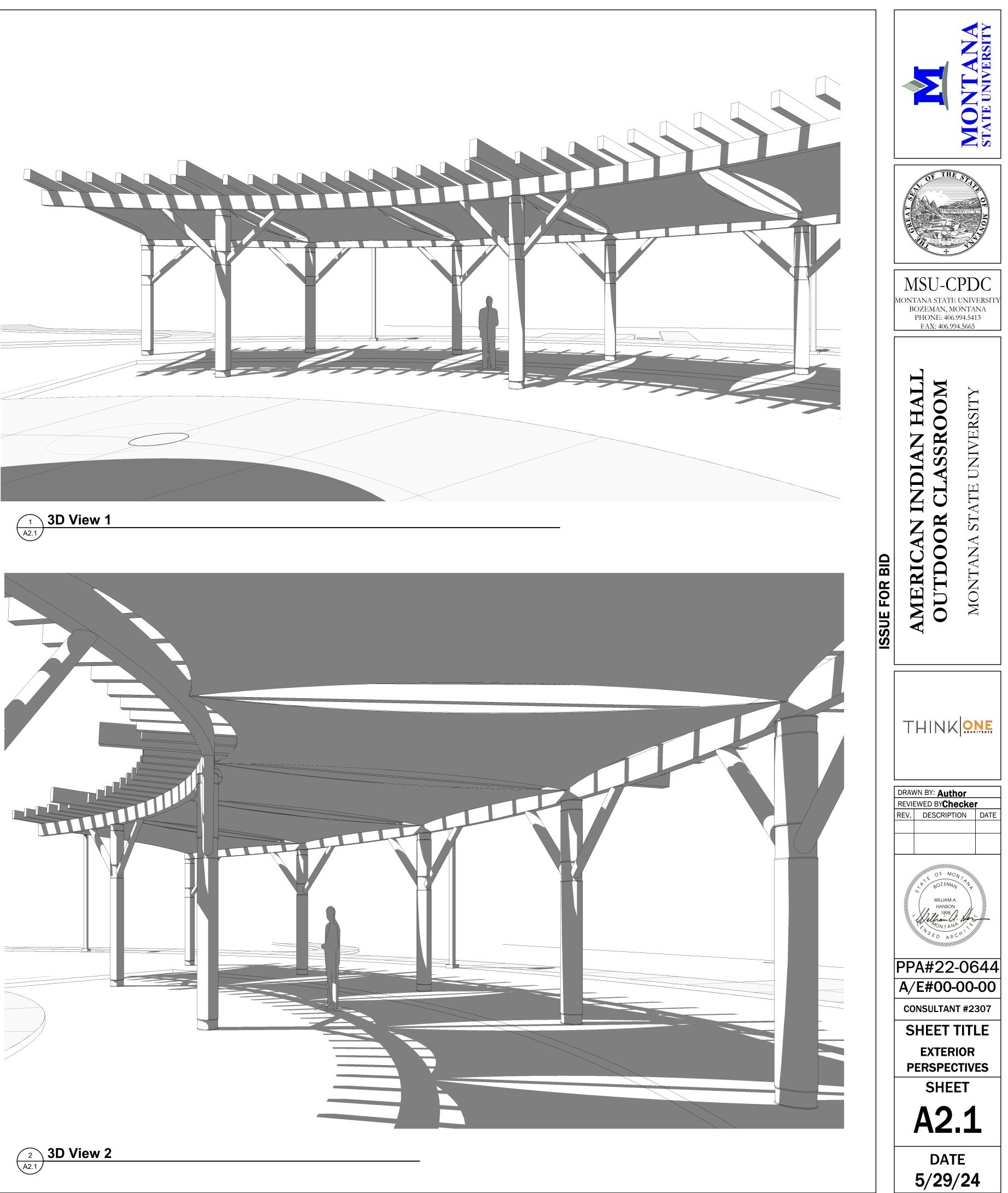


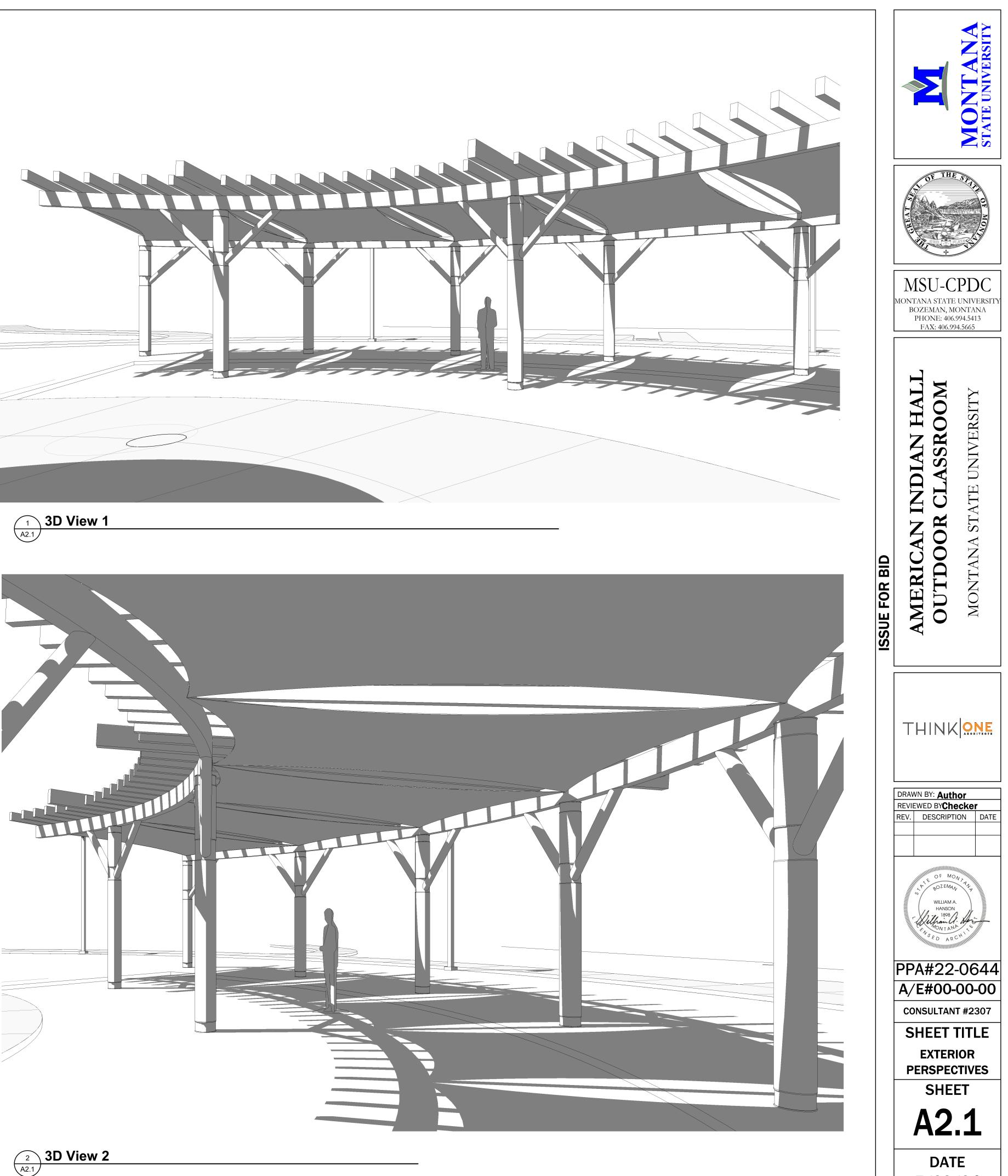


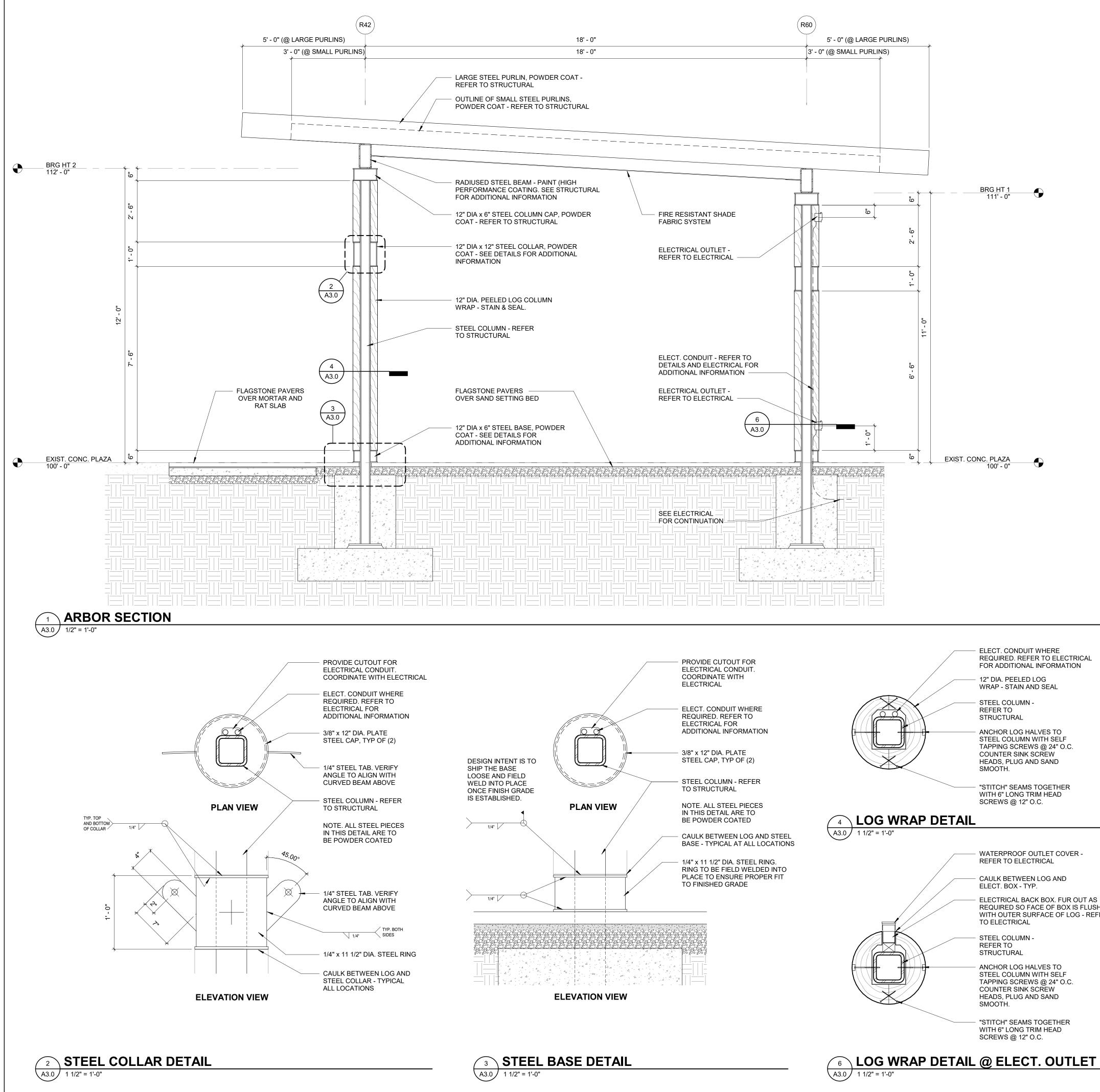
ASSROON STATE UNIVERSITY

HALI









ELECT. CONDUIT WHERE REQUIRED. REFER TO ELECTRICAL FOR ADDITIONAL INFORMATION

ANCHOR LOG HALVES TO STEEL COLUMN WITH SELF TAPPING SCREWS @ 24" O.C. HEADS, PLUG AND SAND

"STITCH" SEAMS TOGETHER
 WITH 6" LONG TRIM HEAD
 SCREWS @ 12" O.C.

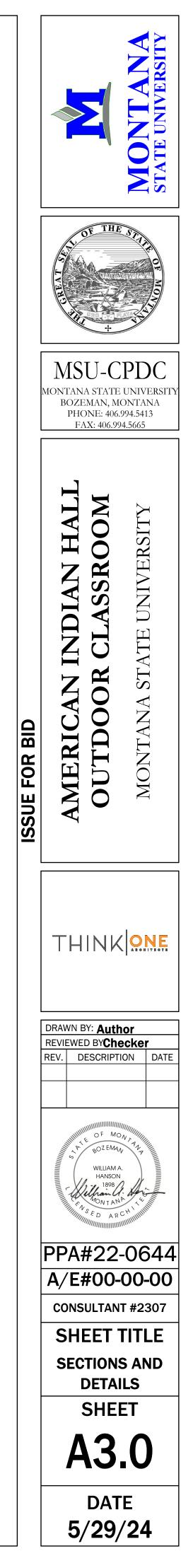
WATERPROOF OUTLET COVER -REFER TO ELECTRICAL

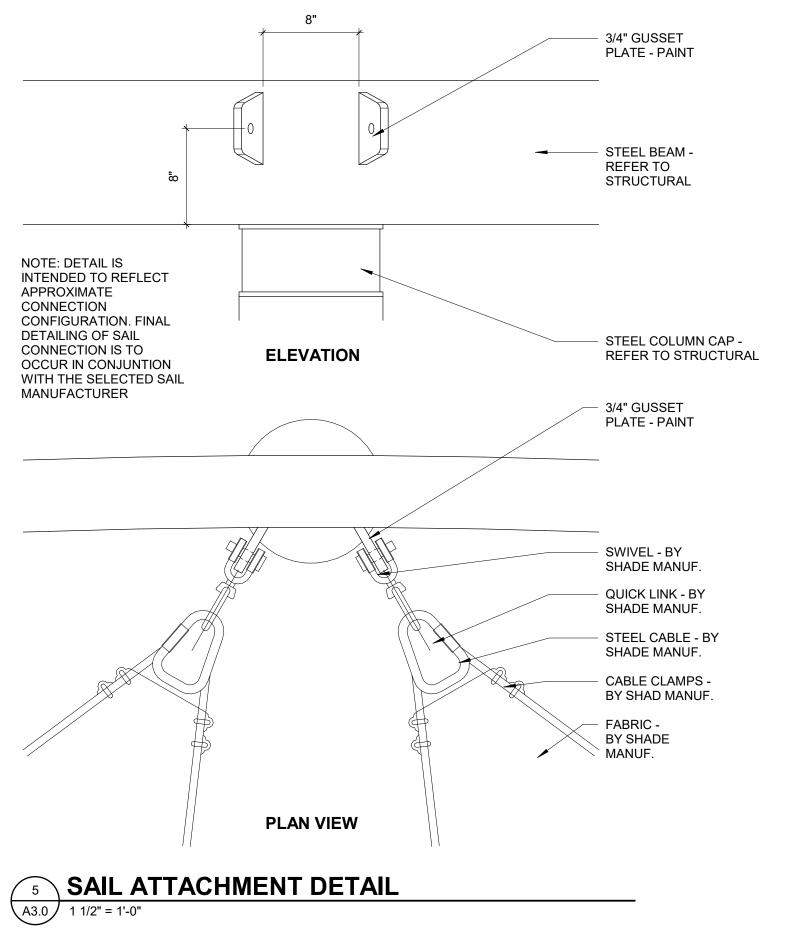
CAULK BETWEEN LOG AND

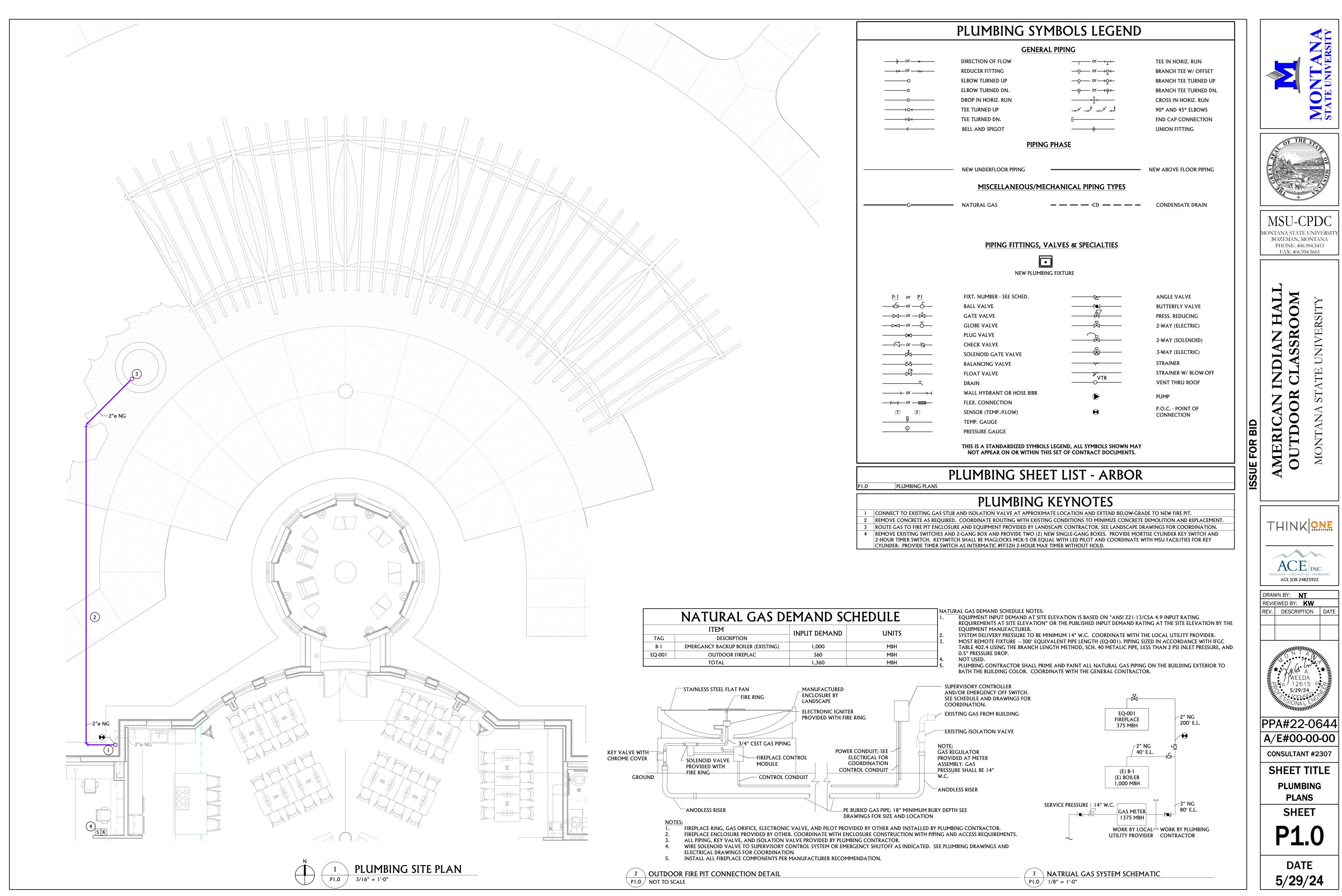
ELECTRICAL BACK BOX. FUR OUT AS REQUIRED SO FACE OF BOX IS FLUSH WITH OUTER SURFACE OF LOG - REFER

ANCHOR LOG HALVES TO STEEL COLUMN WITH SELF TAPPING SCREWS @ 24" O.C.

"STITCH" SEAMS TOGETHER WITH 6" LONG TRIM HEAD







Panel: 1L3

Location: MECHANICAL 119ME Supply From: LDP Mounting: Surface

Enclosure: Type 1

Volts: 120/208 Wye Phases: Wires: 4

A.I.C. Rating: 16,000 Mains Type: MCB Buss Rating: 225 A

СКТ

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34

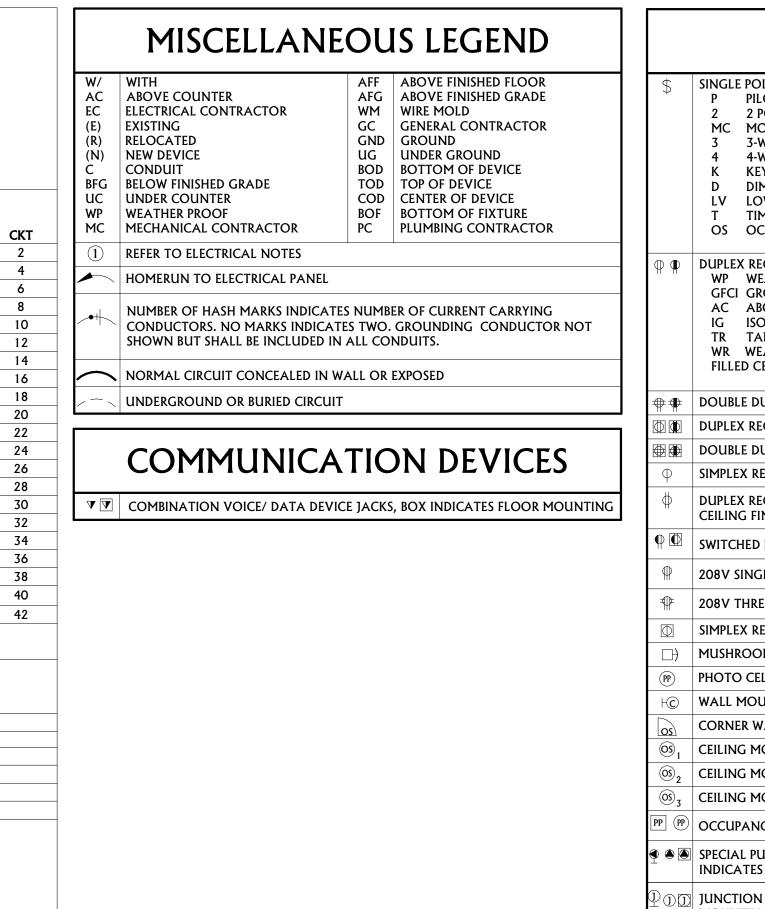
12

USE EXISTING SPARE 20A 1-POLE CIRCUIT BREAKER IN CIRCUIT 38 FOR NEW ARBOR RECEPTACLES.

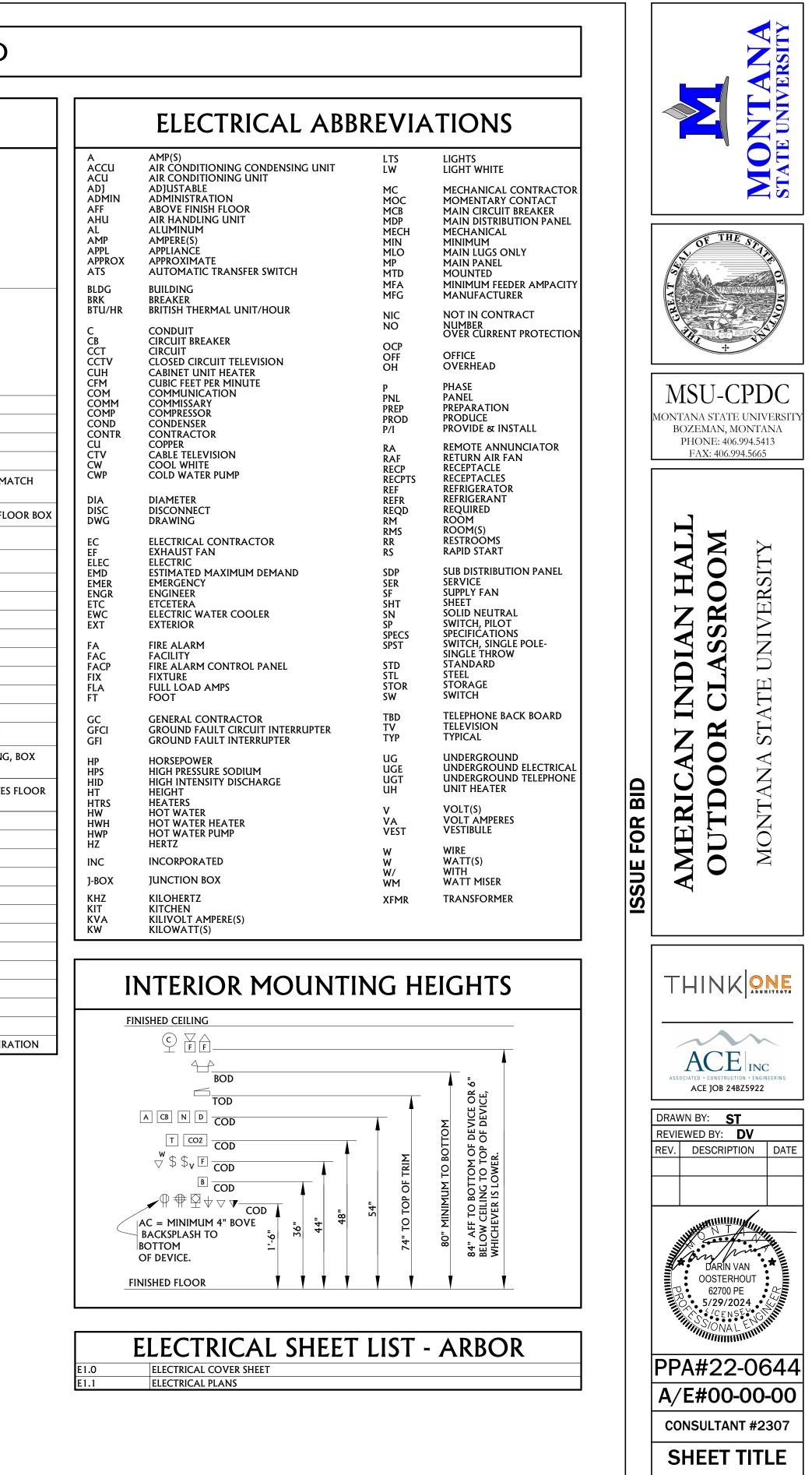
СКТ	Load Name	Trip	Poles		4	1	3	(	5	Poles	Trip	Load Name	
1	Receptacle, WORK AREA 135B	20 A	1	1220	680					1	20 A	Receptacle, WORK AREA 135B	
3	Receptacle, WORK AREA 135B	20 A	1			1040	1080			1	20 A	Receptacle, Room 159, 197VE	
5	Receptacle, LARGE COLLABORATION 159	20 A	1					900	360	1	20 A	Receptacle, LARGE COLLABORATION 159	
7	Receptacle, CORR-3 199CO-3	20 A	1	360	360					1	20 A	Receptacle, CORR-3 199CO-3	
9	Receptacle, CORR-3 199CO-3	20 A	1			360	360			1	20 A	Receptacle, CORR-3 199CO-3	
11	Receptacle, GUEST HOTEL OFFICE 163B	20 A	1					1220	1040	1	20 A	Receptacle, DIVERSITY & INCLUSION SUITE 163	
13	Receptacle, DIVERSITY & INCLUSION SUITE 163	20 A	1	1040	1400					1	20 A	Receptacle, OFFICE 163A	
15	Receptacle Room 199CO-4, 199CM, 198VE	20 A	1			720	360			1	20 A	Receptacle GALLERY 199CO	
17	Receptacle GALLERY 199CO	20 A	1					360	360	1	20 A	Receptacle GALLERY 199CO	
19	Receptacle GALLERY 199CO	20 A	1	360	900					1	20 A	Receptacle, LARGE CLASSROOM 166	
21	Receptacle, LARGE CLASSROOM 166	20 A	1			900	1080			1	20 A	Receptacle, LARGE CLASSROOM 166	
23	Receptacle, LARGE CLASSROOM 166	20 A	1					540	540	1	20 A	Receptacle, LARGE CLASSROOM 166	
25	Receptacle, LARGE CLASSROOM 166	20 A	1	540	360					1	20 A	Receptacle, KITCHEN 135A	
27	Receptacle, KITCHEN 135A	20 A	1			180	1220			1	20 A	Receptacle, OFFICE 135C	
29	Receptacle, OFFICE 135D	20 A	1					1220	1220	1	20 A	Receptacle Room 135E	
31	Receptacle, OFFICE 135F	20 A	1	1220	1220					1	20 A	Receptacle, STUDY 135G	
33	Receptacle, PLAY 135H	20 A	1			900	900			1	20 A	Receptacle, Room 136, 199CO, 199CO-3	
35	WORK AREA 135B	20 A	1					180	360	1	20 A	Receptacle	
37	Receptacle GALLERY 199CO	20 A	1	360	1080					1	20 A	(N) EXTERIOR ARBOR RCPTS	
39	Spare	20 A	1			0	0			1	20 A	Spare	
41	Spare	20 A	1					0	0	1	20 A	Spare	
		То	tal Load:	1110	0 VA	9100	) VA	8300	) VA		1	· · · · · ·	
		Tot	al Amps:	94	A	77	A	69	A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel	Totals
Receptacle	28500 VA	67.54%	19250 VA		
Lighting	0 VA	0.00%	0 VA	Total Conn. Load:	28500 VA
				Total Est. Demand:	19250 VA
				Total Conn.:	79 A
				Total Est. Demand:	53 A

# ELECTRICAL LEGEND

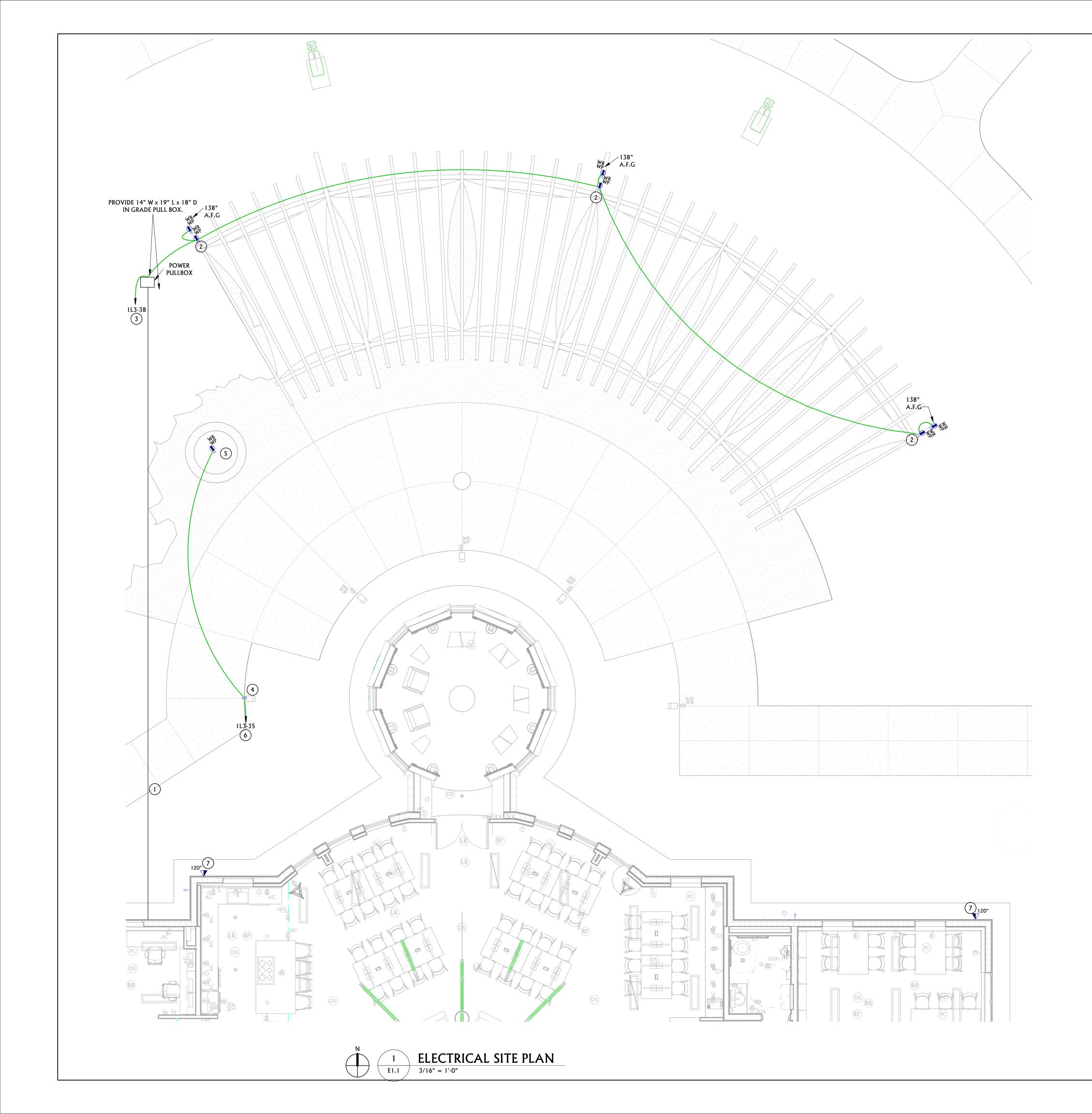


	POWER DEVICES
\$	SINGLE POLE SWITCH, SUBSCRIPT INDICATES TYPE: P PILOT LIGHT 2 2 POLE MC MOMENTARY CONTACT 3 3-WAY 4 4-WAY K KEYED D DIMMER LV LOW VOLTAGE T TIMER, 1 HOUR TIMER, MOTOR RATED FOR EXHAUST FANS OS OCCUPANCY SENSOR
₽₽	DUPLEX RECEPTACLE SUBSCRIPT INDICATES TYPE: WP WEATHERPROOF GFCI GROUND FAULT CIRCUIT INTERRUPTER AC ABOVE COUNTER IG ISOLATED GROUND TR TAMPER RESISTANT WR WEATHER RESISTANT FILLED CENTER INDICATES GFCI DEVICE
⊕₽	DOUBLE DUPLEX RECEPTACLE, SUBSCRIPT ABOVE INDICATE TYPE
	DUPLEX RECEPTACLE IN FLOOR BOX
	DOUBLE DUPLEX RECEPTACLE IN FLOOR BOX
φ	SIMPLEX RECEPTACLE
ф	DUPLEX RECEPTACLE, CEILING MOUNTED. DEVICE AND COVER SHALL MACEILING FINISH
$\Phi \Phi$	SWITCHED DUPLEX RECEPTACLE, BOX INDICATES DEVICE LOCATED IN FLO
Ŷ	208V SINGLE PHASE RECEPTACLE, CONFIGURATION NOTED ON PLANS
₽	208V THREE PHASE RECEPTACLE, CONFIGURATION NOTED ON PLANS
Ð	SIMPLEX RECEPTACLE IN FLOOR BOX
$\Box$	MUSHROOM HEAD PUSH BUTTON
PP	PHOTO CELL
HC	WALL MOUNTED CLOCK HANGER/ POWER RECEPTACLE
os	CORNER WALL MOUNTED OCCUPANCY SENSOR
OS <sub>1</sub>	CEILING MOUNTED OCCUPANCY SENSOR, STYLE 1
OS <sub>2</sub>	CEILING MOUNTED OCCUPANCY SENSOR, STYLE 2
OS <sub>3</sub>	CEILING MOUNTED OCCUPANCY SENSOR, STYLE 3
PP (PP)	OCCUPANCY SENSOR POWER PACK, BOX INDICATES WALL MOUNTING
9 8 8	SPECIAL PURPOSE CONNECTION, BRACKET INDICATES WALL MOUNTING INDICATES FLOOR MOUNTING
$\hat{\mathbb{T}}$	JUNCTION BOX, BRACKET INDICATES WALL MOUNTING, BOX INDICATES MOUNTING
λ.MΥ	MOTOR CONNECTION
R	RELAY
	NON-FUSED DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	COMBINATION STARTER/DISCONNECT SWITCH
	CONTACTOR
\$ <sub>M</sub>	MANUAL MOTOR STARTER
AS	AQUASTAT BY PLUMBING CONTRACTOR, WIRED BY EC.
VFD	VARIABLE FREQUENCY DRIVE
CO2	CO2 DETECTOR BY MC, ROUGH-IN BY EC
T	THERMOSTAT BY MC, ROUGH-IN BY EC
	PAD MOUNTED UTILITY TRANSFORMER
	ELECTRICAL PANEL - SEE PANEL SCHEDULES FOR MOUNTING CONFIGURA



ELECTRICAL **COVER SHEET** SHEET E1.0

DATE 5/29/24



### ELECTRICAL GENERAL NOTES

 A ELECTRICAL CONTRACTOR SHALL PROVIDE TAMPER RESISTIVE RECEPTACLES FOR ALL 120V WIRING DEVICES INSTALLED IN THE PROJECT INTERIOR REGARDLESS OF LOCATION.
 B EC SHALL HAVE ALL EXPOSED RACEWAY AND CONDUIT SUPPORT SYSTEMS INSTALLED PRIOR TO GC PAINTING OF AREA SUCH THAT ITEMS ARE PROPERLY PAINTED TO MATCH EXPOSED AREAS OF BUILDING. EC SHALL REMOVE ALL LABELS AND OTHER ITMES THAT WOULD IMPEDE PAINT ADHESION TO ELECTRICAL RACEWAY SYSTEMS. IF RACEWAY IS NOT IN PLACE PRIOR TO GC PAINTING THEN IT WILL BE THE EC'S RESPONSIBILTY TO PAINT SYSTEMS TO MATCH SURROUNDING FINISH COLOR.

	ELECTRICAL KEYNOTES
1	ROUTE POWER CONDUIT IN SAME TRENCH AS NATURAL GAS MAINTAINING 12" HORIZONTAL CLEARANCE.
2	PROVIDE (1) 3/4" C UNDERGROUND FROM POWER PULLBOX TO COLUMN IN APPROXIMATE LOCATION. ROUTE CONDUIT THROUGH COLUMN SONOTUBE AND STUB UP AND SURFACE MOUNT TO STEEL COLUMN AND ROUTE TO LOWER RECEPTACLE. PROVIDE (1) 3/4"C FROM LOWER RECEPTACLE TO UPPER RECEPTACLE AND SURFACE MOUNT TO COLUMN. COORDINATE ROUTING OF CONDUIT WITH ARCHITECT AND ARCHITECTURAL PLANS. SEE ARCHITECTURAL PLANS FOR CONDUIT ROUTING DETAILS.
3	PROVIDE (1) 1"C FROM BUILDING INTERIOR TO POWER PULLBOX FOR RECEPTACLE WIRING. PROVIDE AWG #8 CU. CONDUCTORS FROM PANEL 1L3 TO POWER PULLBOX TO ACCOUNT FOR VOLTAGE DROP.
4	PROVIDE CONDUIT AND WRING FROM TIMER SWITCH TO BOLLARD. PROVIDE 120V EMERGENCY POWER OFF (EPO) SWITCH IN OUTDOOR WEATHER RATED ENCLOSURE AND MOUNT TO BOLLARD. SEE PLUMBING PLANS FOR TIMER SWITCH LOCATION.
5	PROVIDE POWER CONNECTION FOR GAS FIREPIT. PROVIDE CONDUIT AND WIRING FOR ELECTRIC IGNITER AND ELECTRIC GAS SOLENOID FROM NEW GAS FIREPLACE TO BOLLARD WITH EPO. ROUTE CONDUIT IN SAME TRENCH AS NATURAL GAS MAINTAINING 12" HORIZONTAL CLEARANCE. ROUTE WIRING THROUGH EPO SWITCH SUCH THAT ACTIVATION OF SWITCH KILLS POWER TO FIRE PIT. SIZE ALL CONDUIT AND WIRING PER MANUFACTURER'S RECOMMENDATIONS.
6	USE EXISTING 20A 1-POLE CIRCUIT BREAKER IN PANEL 1L3 FOR WIRING.
7	PROVIDE ROUGH IN FOR OUTDOOR WALL MOUNTED WIRELESS ACCESS POINT INCLUDING BACKBOX AND (1) 1 1/4" CONDUIT. ROUTE CONDUIT INTO ACCESSIBLE CEILING SPACE ABOVE ADJACENT INTERIOR ROOM. PROVIDE J-HOOKS EVERY 4 FEET FROM BUILDING POINT OF ENTRY TO NEAREST EXISTING CABLE TRAY OR J HOOKS. IF NECESSARY, PROVIDE 1 1/4" CONDUIT FROM INTERIOR ROOM THROUGH WALL IN ORDER TO REACH NEARAEST EXISTING CABLE TRAY OR J-HOOK. WIRING AND DEVICE TO BE BY MSU UIT. COORDINATE REQUIREMENTS AND MOUNTING HEIGHT WITH MSU UIT PRIOR TO ROUGH IN.

