General Construction Notes:

1. Within this set of drawings a background reference grid is indicated. Individual units of this grid are 80mm x 80mm. This grid unit is termed a "square." The square unit establishes the basis of all proportions for the design and dimensions of the stupa.

Symbols Legend

Sheet

Detail Reference





Elevation Mark

Keynote



Interior Elevation Reference

Abbreviations

		A.1	_	inspections at the beginning of the work.
	@ ADA	At Americans with Disabilities Act	5.	Refer to accompanying Specifications which are to be
	AHJ	Authority Having Jurisdiction	6	used jointly with these Contract Documents.
	AL	Aluminum	6.	If there is a conflict among Specifications and other Contract Documents, the most restrictive condition
	Align	Align faces or finishes		•
	ALT	Alternate		applies. If there is a conflict among information within these Contract Documents, or with other documents, the
	AFF	Above Finish Floor		most restrictive condition applies. If there are conflicts
	Approx.	Approximately Above +0.00 Reference Elevation		the Contractor shall notify the Architect prior to
	AV	Audio/Visual		proceeding with any fabrication or construction.
	Avail.	Available	9.	The information shown in these Contract Documents is
	Bldg.	Building	Э.	Diagrammatic. The Contractor shall be responsible for
	ВО	Bottom of		verifying all conditions, dimensions, and grades for the
	BRE	Below +0.00 Reference Elevation		project prior to performing the Work. Notify the Architect
	CJ CL	Control Joint Center Line		of discrepancies or any any variations from the
	Clr.	Clearance - or - Clear		dimensions, grades and conditions shown on these
	CMU	Concrete Masonry Unit		Contract Documents prior to proceeding with the work.
	Cont.	Continued/Continuous	10.	The Contractor shall use dimensions on drawings for
	CT	Ceramic Tile		bidding purposes only and field verify actual dimensions
	Dia.	Diameter		and grades prior to construction.Do not use scaled
	Dwg. Ea	Drawing Each		dimensions. Use written dimensions or grades. Where
	Elev.	Elevation(s)		no dimension or grade is provided, consult with Architect
	Eq.	Equal		for clarification before proceeding with the work.
	Equip.	Equipment	11.	All notes are typical for similar conditions which may not
	Equiv	Equivalent		be noted.
	Exist.	Existing	12.	Detail references may be shown for one, or more than
	Exp. FFE	Exposed Finish Floor Elevation		one, similar condition. Detail references shall be taken
	Ga.	Gauge		as typical for similar conditions to be constructed
	Galv.	Galvanized		elsewhere but not noted with a detail reference.
	GLB	Glued Laminated Beam	13.	The Contractor shall establish and verify all dimensions,
	GWB	Gypsum Wall Board		openings, and locations for inserts, sleeves, knock-outs,
	HM Horiz	Hollow Metal		penetrations etc. for all work prior to fabrication and
	Horiz. HPL	Horizontal High-Pressure Laminate		installation.
	HSS	Hollow Structural Shape	14.	All beam bearing heights must be established and
	Ht.	Height		verified by the General Contractor prior to fabrication and
	HVAC	Heating, Ventilation, Air Conditioning		installation.
	ID	Inside Diameter	15.	The Contractor shall confirm all mounting heights,
	I.E.	Interior Elevation		clearances, and other requirements prior to the
	Insul. Int.	Insulation Interior		installation of equipment, accessories, or fixtures.
	Loc.	Location	16.	The Contractor shall provide blocking in framed and
	LPL	Low-Pressure Laminate		furred walls for suitable attachment of accessories prior
	Lv.	Level		to installation of finish.
	Manuf.	Manufacturer	17.	All materials, finishes, color selections, furnishings, and
	MCJ MDF	Masonry Control Joint Medium Density Fiberboard		equipment furnished by Contractor shall be new and free
	Mech.	Mechanical		from defects. If equipment specified is no longer
	Min.	Minimum		available, contact the Architect for
	m	Meter	40	substitution/clarification.
	mm	Millimeter	18.	All products and materials shall be installed in
	Mtl	Metal		accordance with the manufacturer's instructions
	N/A	Not Applicable	40	unless otherwise specified.
	NIC NTS	Not In Contract Not To Scale	19.	Materials, equipment, etc., not indicated on the Contract
	OAE	Or Approved Equal		Documents or specified, but required for successful and
	OC	On Center		efficient completion of the installation and operation of
	OCEW	On Center Each Way		the facility shall be held to be implied and shall be
	OD OD/OI	Outside Diameter		furnished and installed by the Contractor at no additional
	OP/OI OP/CI	Owner Provided, Owner Installed	20	Cost to the Owner.
	Opp.	Owner Provided, Contractor Installed Opposite	20.	Damaged work must be replaced at no additional cost to the Owner.
	Polyiso	Polyisocyanurate	21	The Contractor shall be responsible to maintain a clean
	Pr.	Pair	۷۱.	building site and provide any and all safety provisions to
	RCP	Reflected Ceiling Plan		
	Ref.	Reference	22	ensure the safety of the public and construction team. The Architect reserves the right to direct removal and
	Req'ts	Requirements	۷۷.	reinstallation of work which does not, in the
	Rm. Sect	Room Section		opinion of the Architect, maintain standards and
	Sim	Similar		workmanship of a craft at no additional cost to the
		Square		Owner.
	Sq. SS	Stainless Steel	24	The Contractor shall submit Shop Drawings and Product
	Stor.	Storage	<i>_</i>	Submittals. Shop Drawings and Product Submittals are
	TN	True North		to compliment and supplement these Contract
	TO TS	Top Of Tube Steel		Documents. When conflicting information exists between
	Typ	Typical		the Contractor's Submittals and Shop Drawings and
	U.C.	Under Counter		these Contract Documents, the Contractor shall notify
	UNO	Unless Noted Otherwise		the Architect prior to fabrication or installation. Review of
	VIF	Verify In Field		Shop Drawings by the Architect does not relieve the
	Vert.	Veletile Organia Compound		Contractor of responsibility for conformance with these
	VOC w/	Volatile Organic Compound With		Contract Documents or Specifications.
	VV/	vviti		· - p
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General Contract Notes:

1. The Scope of Work is defined and described in this complete set of Contract Documents. The Contractor, Subcontractors, and Suppliers are responsible for being familiar with all information contained within these Contract Documents. The Contractor is required to provide all construction described within the complete set of Contract Documents.

2. The General Contractor, all Subcontractors, and all Suppliers for this project shall maintain complete Contract Document sets containing every sheet listed in the Drawing Index. In no case shall partial sets of Contract Documents be issued or created for any bidding or construction purposes.

The Contractor is required to visit the site to verify scope, conditions, and requirements of the Work prior to submitting a bid.

4. The General Contractor shall be in charge of coordinating, scheduling, and obtaining required inspections (and re-inspections should the case arise). The Contractor shall submit a schedule of required inspections at the beginning of the work.

THIS SET OF FINAL MARBLE DEFINITION DOCUMENTS IS TO BE USED ONLY FOR PRODUCTION OF SHOP DRAWINGS FOR FABRICATION OF THE PIECES OF MARBLE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE. THE DESCRIPTION OF THE CONCRETE FOUNDATION FOR THE STUPA, THE SURFACING OF GRADE AROUND THE STUPA, THE INNER STRUCTURE OF CONCRETE AND MASONRY, THE INNER STEEL COLUMN FABRICATION AND ITS ATTACHMENT TO OTHER ELEMENTS IS INCOMPLETE IN THIS SET OF DOCUMENTS AND SHALL NOT BE USED FOR CONSTRUCTION OF THESE ITEMS.

Line and Space, LLC Project #: 21.10

Project Brief: The scope of these working drawings is to define marble pieces that will be fabricated to clad a stupa for the Diamond Mountain Retreat Center. The purpose of this set of drawings is to be distributed to a marble fabricator for the produciton of shop drawings of the marble pieced to clad a stupa. The inner structure of the stupa will be masonry and poured concrete structure.

Owner

Diamond Mountain Retreat Center PO Box 37 Bowie, AZ, 85605 Phone: (520) 775-1921

Owner's Representative

Hanlie van Wyk 3209 S. Old Fort Bowie Rd. Bowie, AZ 85605 hanlie@diamondmountain.org Mobile: (520) 507-7672

Architect

Line and Space, LLC 627 E. Speedway Blvd. Tucson, AZ 85705 Office: (520) 623-1313

Architect's Representative

Bob Clements bobc@lineandspace.com

Drawing Index

Cover Sheet

Overall Plan Dimension Elevation Marble Key Elevation **Overall Section** Throne Horizontal Sections A3.1 4I Horizontal Section Vase Horizontal Section **Enlarged Frame Section Enlarged 4I Section Enlarged Vase Section** A3.6 Marble Details Marble Details Continued Marble Details Continued - Corners Marble Details Continued - Corners 2 Marble Details Continued - Rings Marble Details Continued - Rings Marble Details Continued - Rings 3 Marble Details Continued - Bumpa

FINAL MARBLE DEFINITION **DOCUMENTS**

2021 November 1 **Diamond Mountain Retreat Center**

Marble Details Continued - Bumpa 2

Marble Details Continued - Bumpa 3

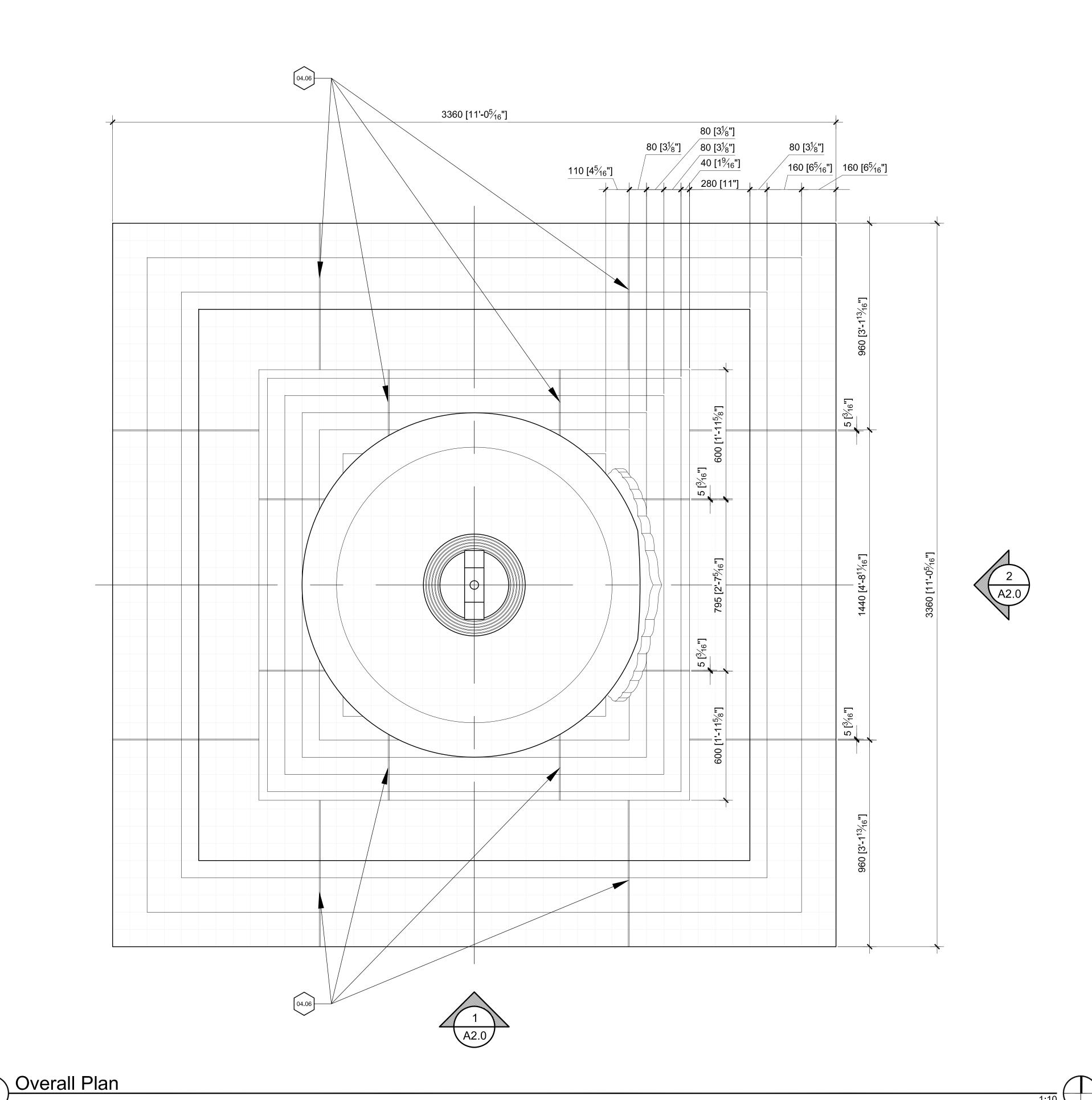
Stupa 1

A4.9

A5.0

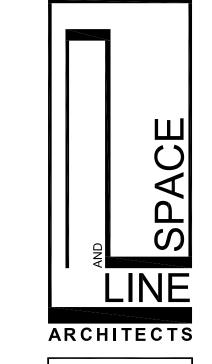
3209 S. Old Fort Bowie Rd. Bowie, AZ 85605

Stick Details



Keynotes - Sheet A1.0

04.06 5mm grouted joint between individual marble pieces, typ.

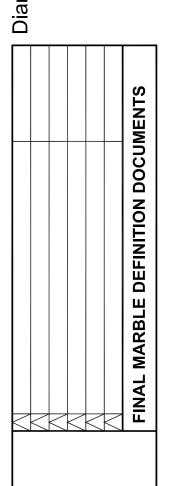


627 E. Speedway Blvd.
Tucson, AZ 85705
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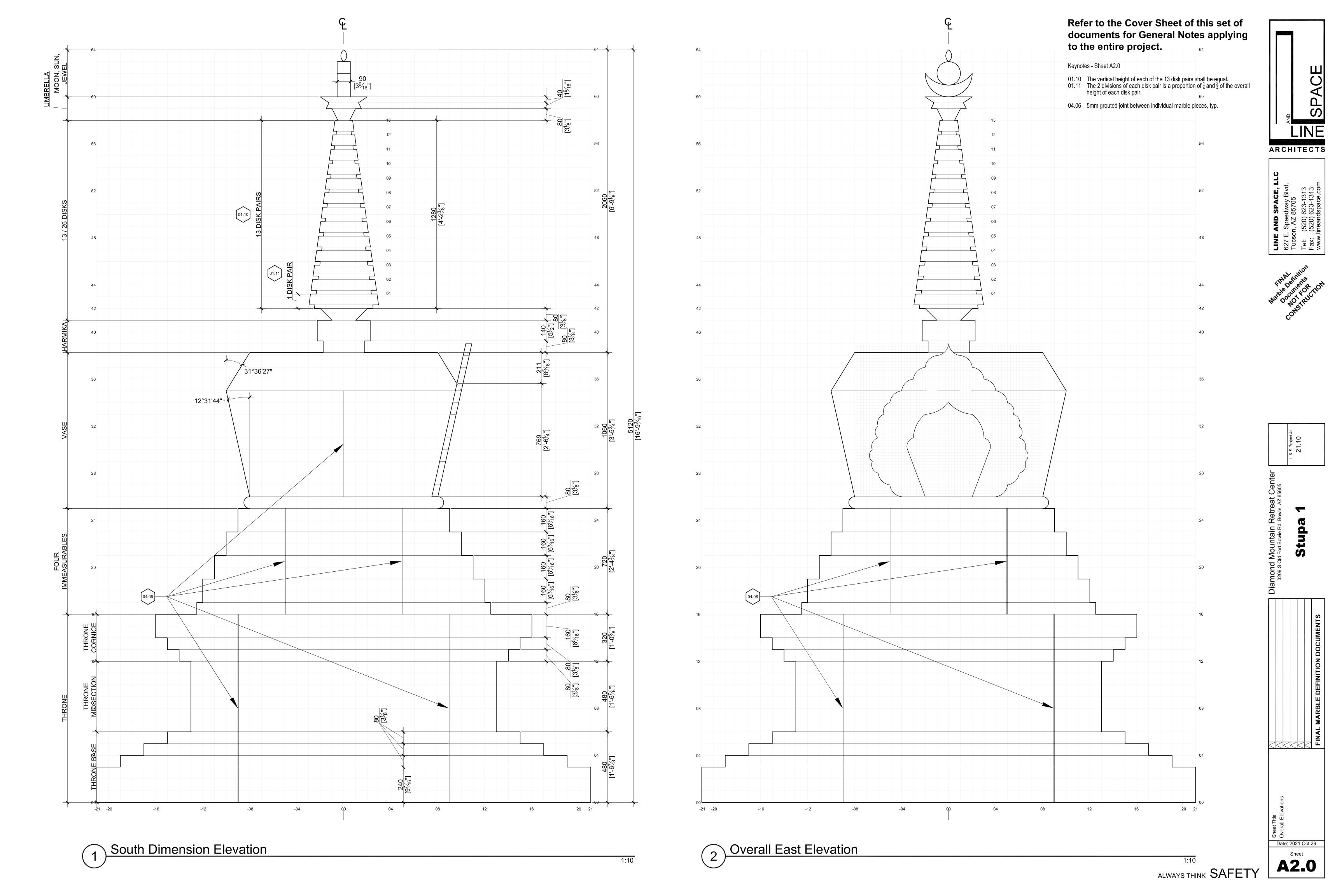


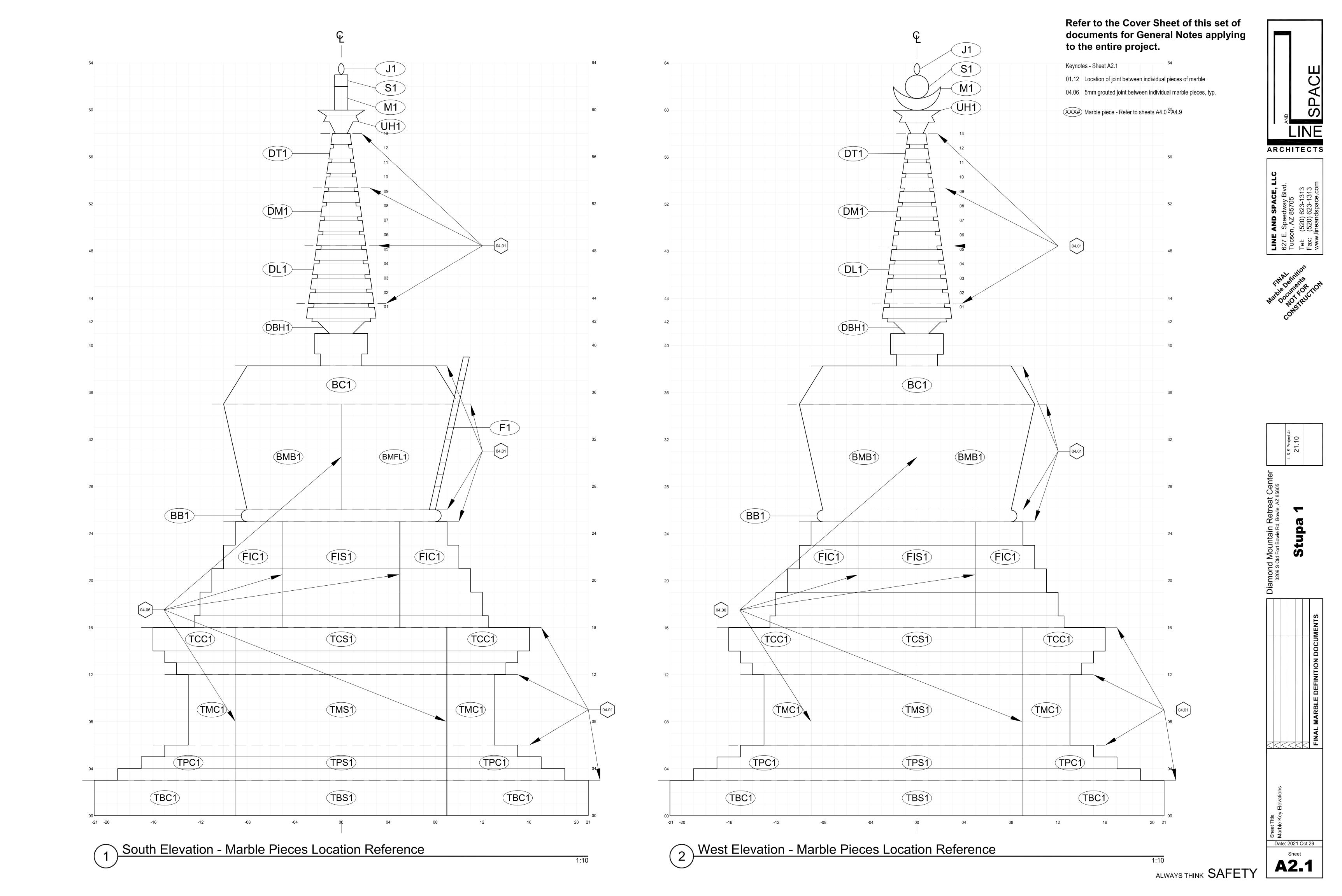
L & S Project #: 21.10

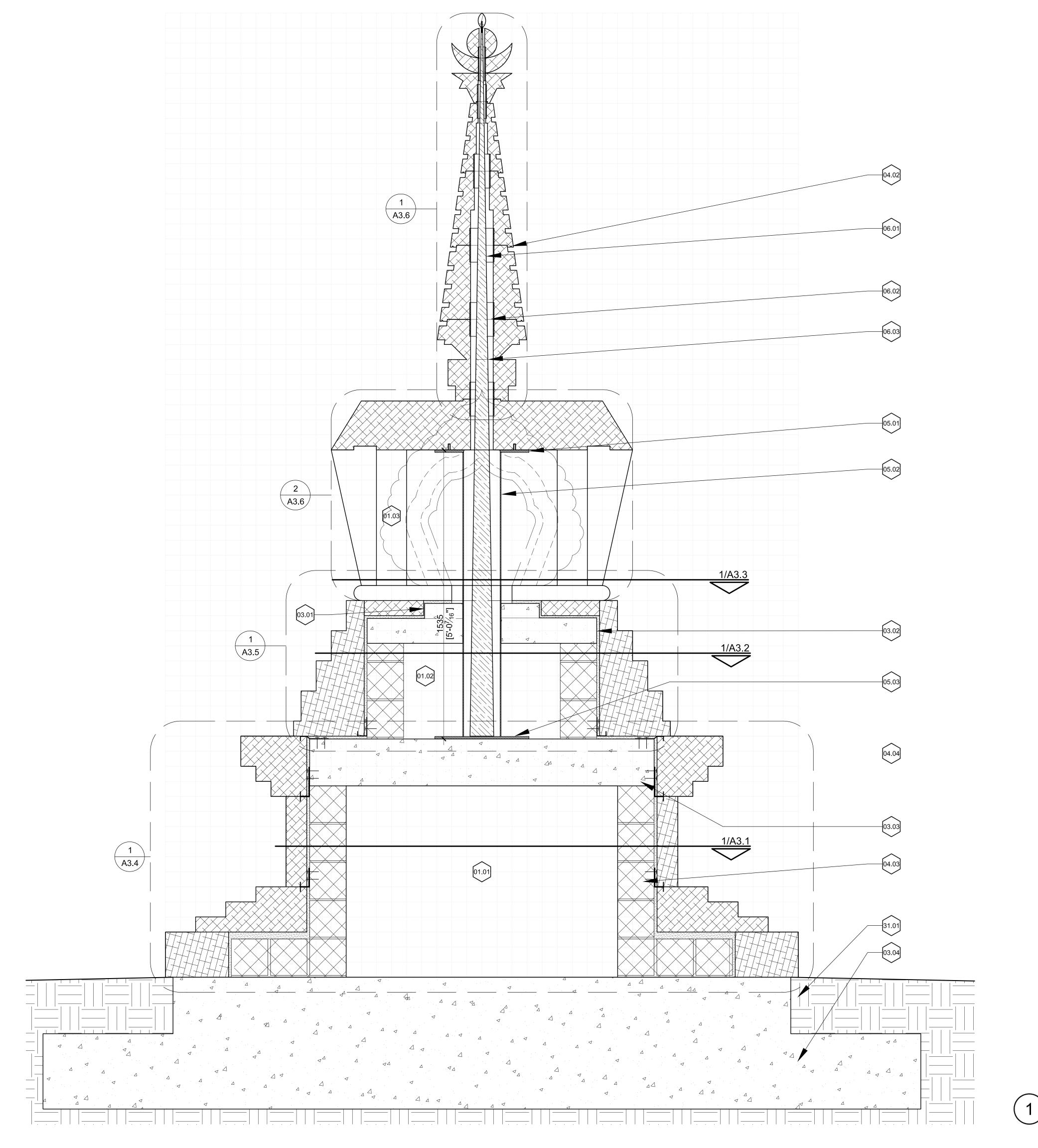
3209 S Old Fort Bowie Rd, Bowie, AZ 85605 **Stupa 1**



Sheet Title Overall Plan Date: 5051 Nov 1







Keynotes - Sheet A3.0

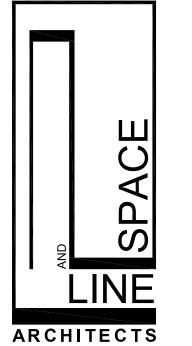
- O1.01 Throne Cavity 1441mm x 1441mm x 1016mm = 2.11m³
 O1.02 4 Immeasurables Cavity 87mm x 817mm x 508mm high = 0.34m³ including stick cavity
 O1.03 Vase Cavity 0.89m² x 720mm high = 0.63m³ including stick cavity = 0.60m³ with stick cavity removed
- 03.01 Reinforced concrete slab approx. 3" (7mm) thick
- 03.02 Reinforced concrete slab approx. $5\frac{3}{8}$ " (135mm) thick 03.03 Reinforced concrete slab approx. $9\frac{3}{4}$ " (249mm) thick 03.04 Reinforced concrete foundation
- 04.02 Continuous drip edge at joints between blocks of carved marble 04.03 Reinforced 8" x 8" x 16" (approx. 203mm x 203mm x 406mm) CMU fully
- o4.03 Remorced 8 x 8 x 16 (approx. 203mm x 203mm x 406mm) CMO fully grouted

 04.04 12 gauge 1½" stainless steel flat stock, bent to form attachment clip for marble, 2 per marble piece fastened to CMU or reinforced concrete slab

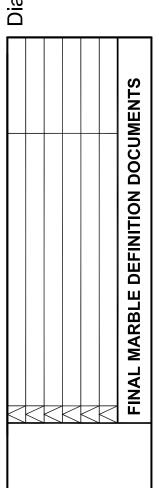
 04.05 Approximately 15mm tolerance between CMU and marble fill with epoxy grout after marble installation

 04.06 5mm grouted joint between individual marble pieces, typ.
- 05.01 ½" (approx. 13mm) steel top plate with hole in center matching and welded to interior shape of 8x8x1/4" (approx. 203mm x 203mm x 7mm) HSS column; and welded 1" long by ¼" diameter (approx 25mm x 7mm) deformed steel pin epoxied in marble to align carved marble Bumpa Cap 8x8x1/4" (approx. 203mm x 203mm x 7mm) HSS column 05.03 ½" (approx. 13mm) steel bottom plate welded to HSS column and anchored to concrete slab below
- Wood stick 1 continuous piece of juniper harvested from project site and carved to shape as defined on A5.0
 Continuous void around stick filled with Mantras full length of stick stick does not touch marble
 Stick transition from square cross-section to circular cross-section at this

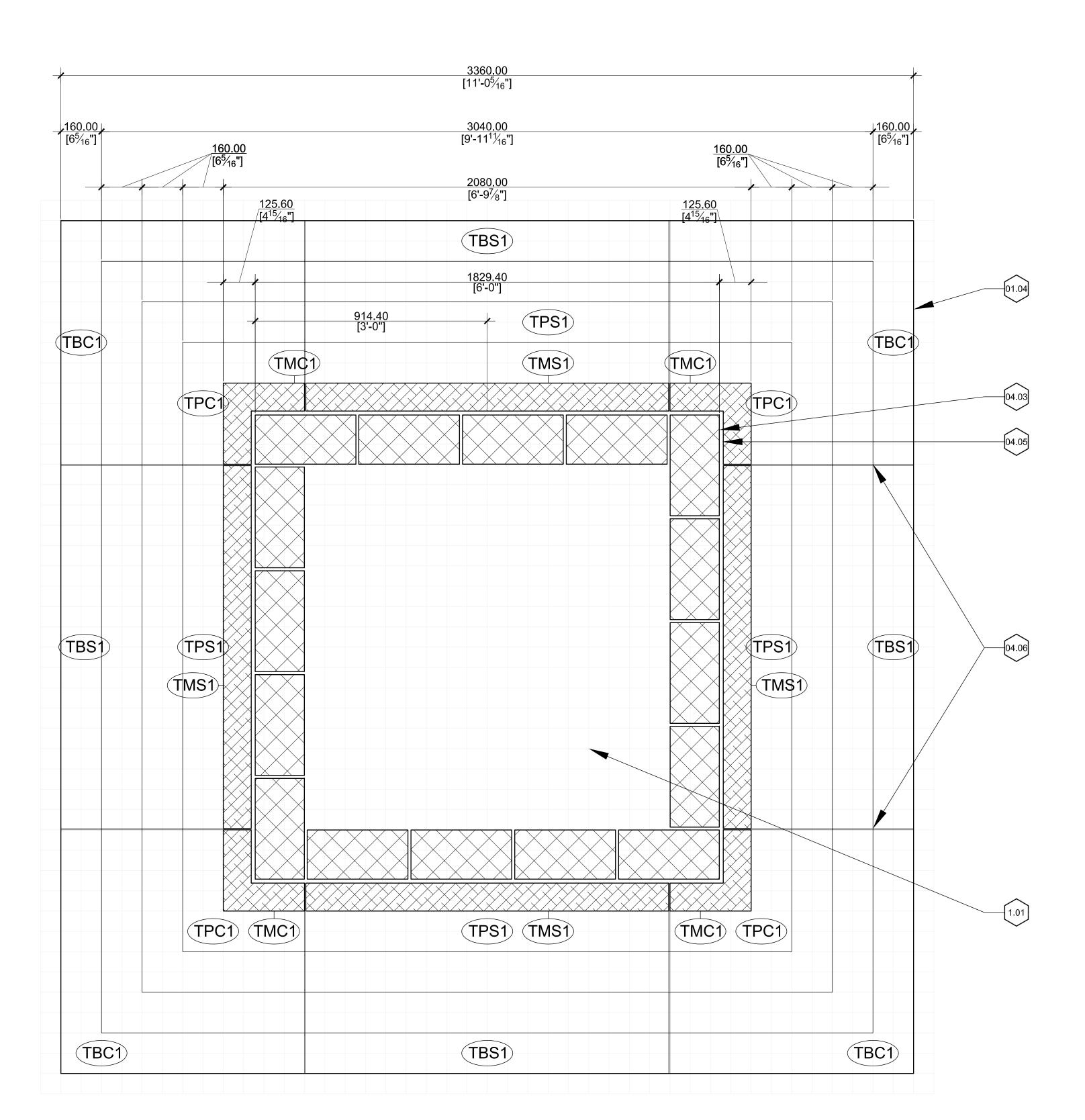
- 31.01 Footing inset from base of stupa for future floor finish







Overall Section



Horizontal Section through Throne

Refer to the Cover Sheet of this set of documents for General Notes applying to the entire project.

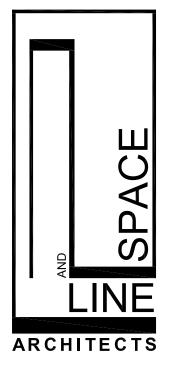
Keynotes - Sheet A3.1

- 01.01 Throne cavity 1441mm x 1441mm x 1016mm = 2.11m³ 01.04 Marble below
- 04.03 Reinforced 8" x 8" x 16" (approx. 230mm x 230mm x 406mm) CMU fully
- grouted

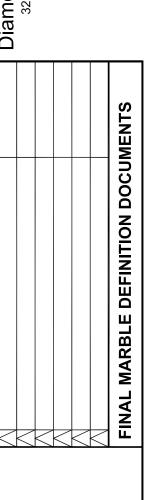
 04.05 Approximately 15mm tolerance between CMU and marble fill with epoxy grout after installing marble

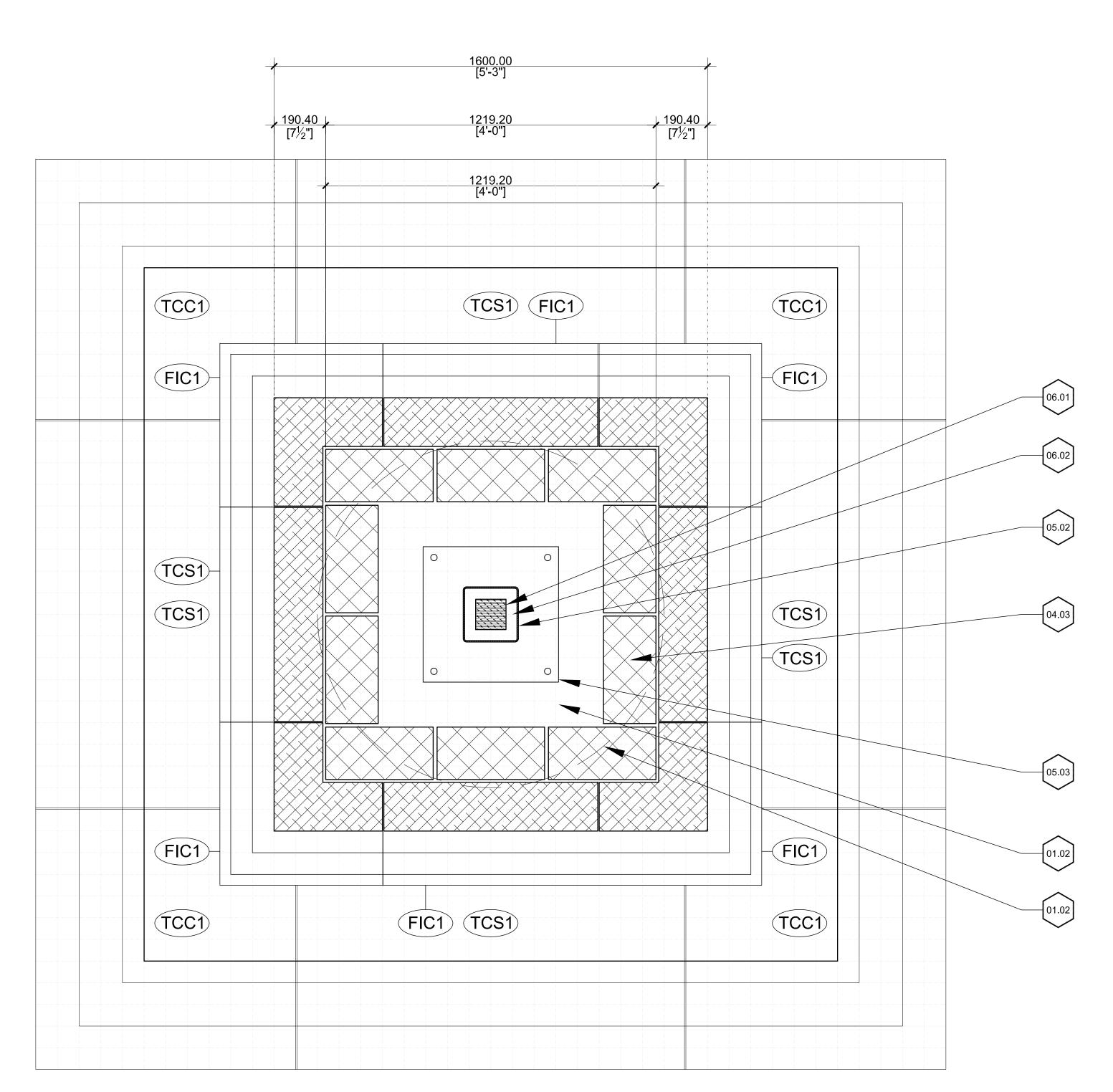
 04.06 5mm grouted joint between individual marble pieces, typ.

XXX# Marble piece - Refer to sheets A4.0 - A4.9









Horizontal Section through The Four Immeasurables

Refer to the Cover Sheet of this set of documents for General Notes applying to the entire project.

Keynotes - Sheet A3.2

4 Immeasurables Cavity - 817mm x 817mm x 508mm high = 0.34 m³ including stick cavity = 0.32 m³ with stick cavity removed
 Marble below

01.05 Bumpa base above

04.03 Reinforced 8" x 8" x 16" (approx. 203mm x 203mm x 406mm) CMU - fully

grouted
04.06 5mm grouted joint between individual marble pieces, typ.

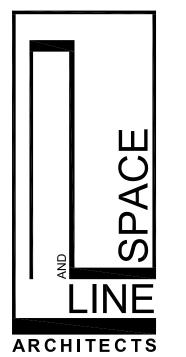
05.02 8x8x1/4" (approx. 203mm x 203mm x 7mm) HSS column

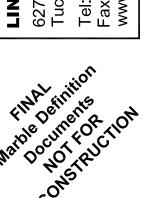
05.03 $\frac{1}{2}$ " steel bottom plate welded to HSS column and anchored to concrete slab

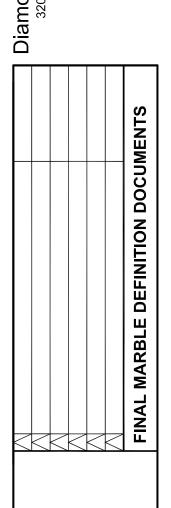
06.01 Wood stick - 1 continuous piece of juniper harvested from project site and carved to shape as defined on A5.0

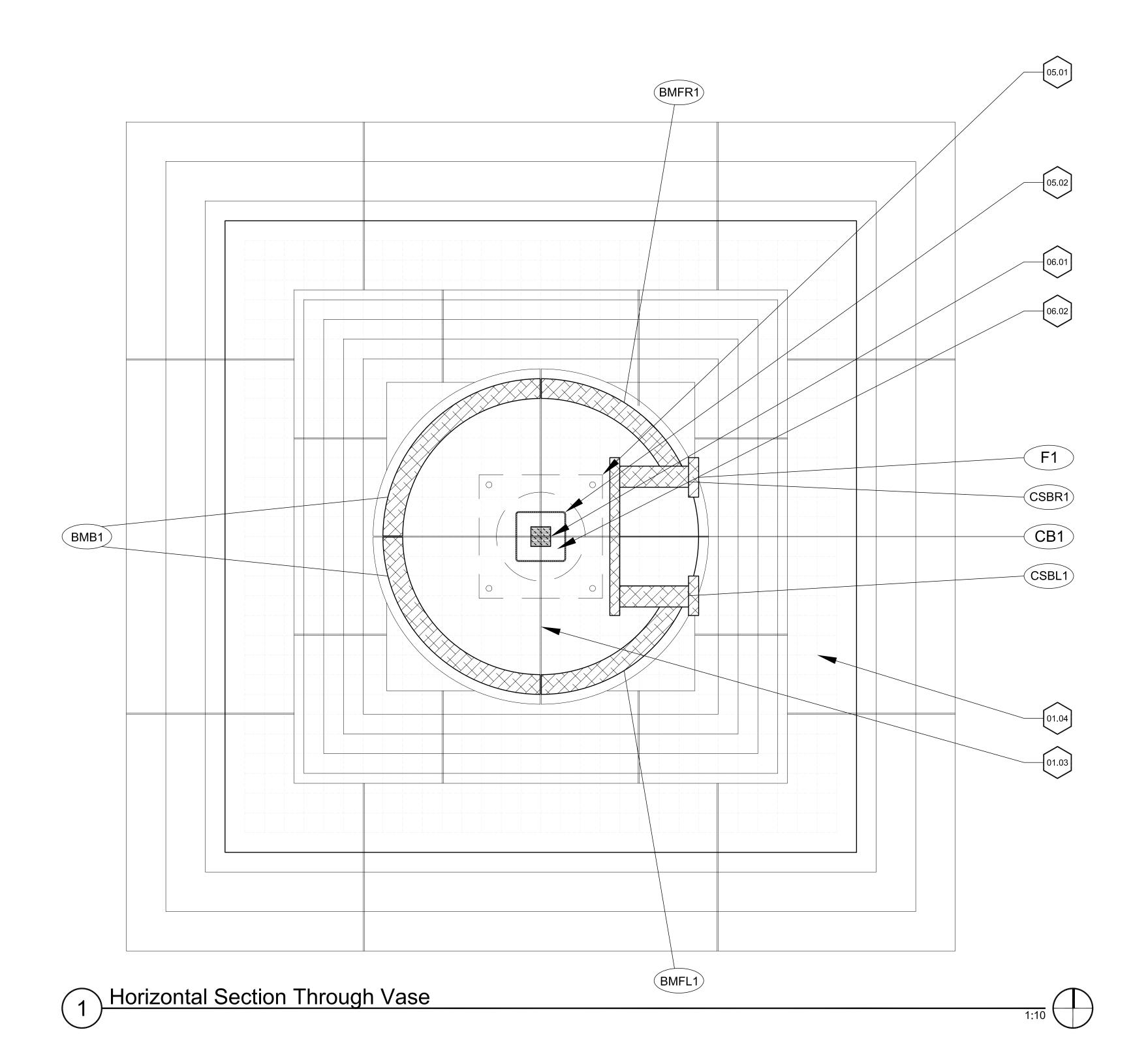
06.02 Continuous void around stick filled with Mantras - full length of stick - stick does not touch marble or tube steel

XXX# Marble piece - Refer to sheets A4.0 - A4.9





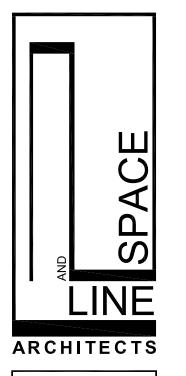




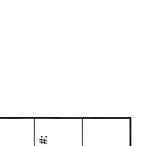
Keynotes - Sheet A3.3

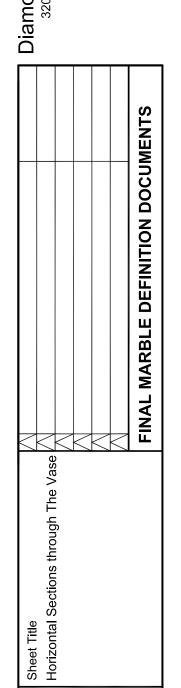
- Vase Cavity 0.89 m² x 720mm high = 0.63 m³ including stick cavity = 0.60m³ with stick cavity removed
 Marble below
- 05.01 $\frac{1}{2}$ " (approx. 13mm) steel top plate with hole in center matching interior shape of 8x8x1/4" (approx. 203mm x 203mm x 7mm) HSS column; and welded 1" long by $\frac{1}{4}$ " diameter (approx 25mm x 7mm) deformed steel pin epoxied in marble to align carved marble Bumpa Cap
 05.02 8x8x1/4" (approx. 203mm x 203mm x 7mm) HSS column
- Wood stick 1 continuous piece of juniper harvested from project site and carved to shape as defined on A5.0
 Continuous void around stick filled with Mantras full length of stick stick does not touch marble

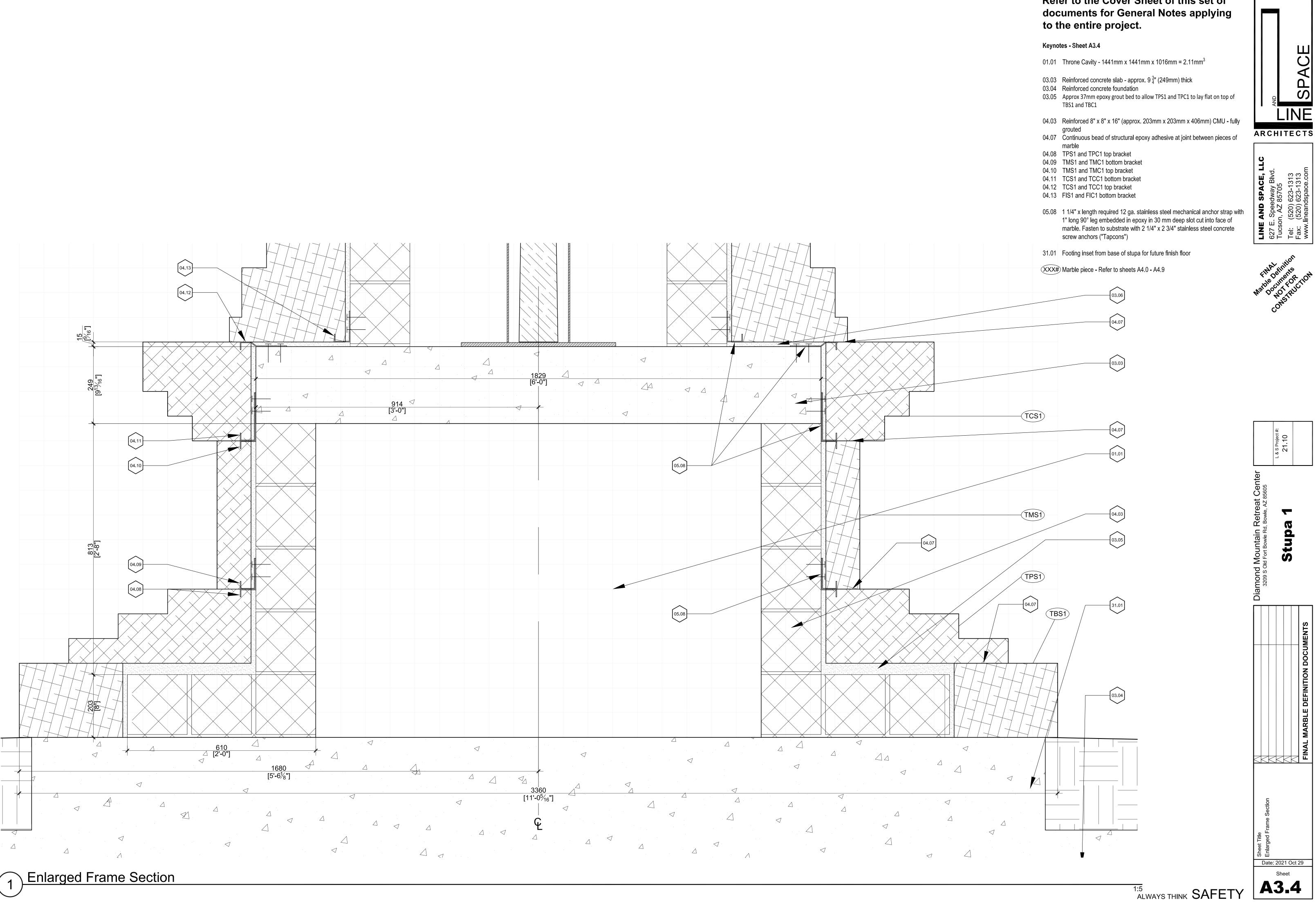
(XXX#) Marble piece - Refer to sheets A4.0 - A4.9



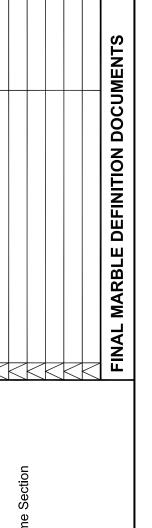


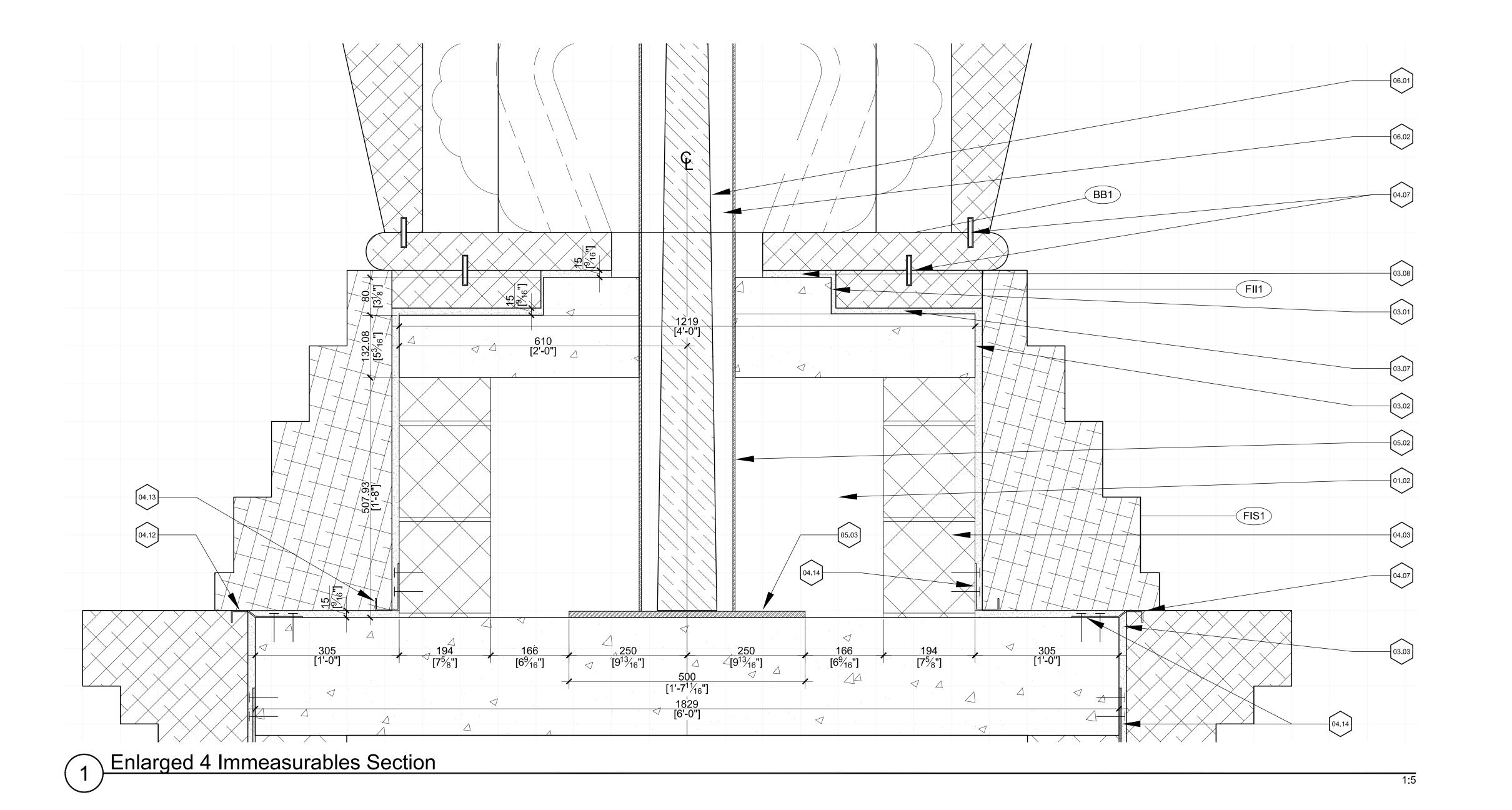






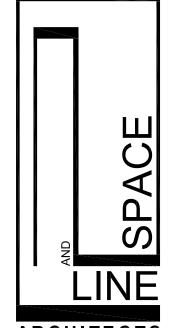
Refer to the Cover Sheet of this set of





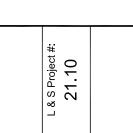
Keynotes - Sheet A3.5

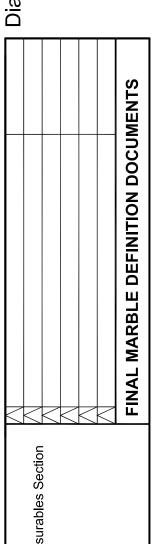
- 01.02 4 Immesurables Cavity 87mm x 817mm x 508mm high = 0.34m³ including stick cavity = 0.32m³ with stick cavity removed
- 03.01 Reinforced concrete slab approx. 3" (86mm) thick
- 03.02 Reinforced concrete slab approx. $5\frac{3}{8}$ " (135mm) thick 03.03 Reinforced concrete slab - approx. $9\frac{3}{4}$ " (249mm) thick
- 03.07 Approx. 12mm epoxy grout bed to allow FIC1 to lay flush with top of FIC1
- 03.08 Approx. 15mm epoxy grout bed to allow BB1 to lay flat and level
- 04.03 Reinforced 8" x 8" x 16" (approx. 203mm x 203mm x 406mm) CMU fully
- grouted
 04.07 Continuous bead of structural epoxy adhesive at joint between pieces of
- 04.12 TCS1 and TCC1 top bracket
- 04.13 FIS1 and FIC1 bottom bracket
- 8x8x₄¹" (approx. 203mm x 203mm x 7mm) HSS column
 1/2" steel bottom plate welded to HSS column and anchored to concrete
- 05.08 $1\frac{1}{4}$ " x length required 12 ga. stainless steel mechanical anchor strap with 1" long 90° leg embedded in epoxy in 30 mm deep slot cut into face of marble. Fasten to substrate with $2\frac{1}{4}$ " x $2\frac{3}{4}$ " stainless steel concrete screw anchors ("Tapcons")
- 06.01 Wood stick 1 continuous piece of juniper harvested from project site and carved to shape as defined on A5.0
- 06.02 Continuous void around stick filled with Mantras full length of stick stick does not touch marble or steel

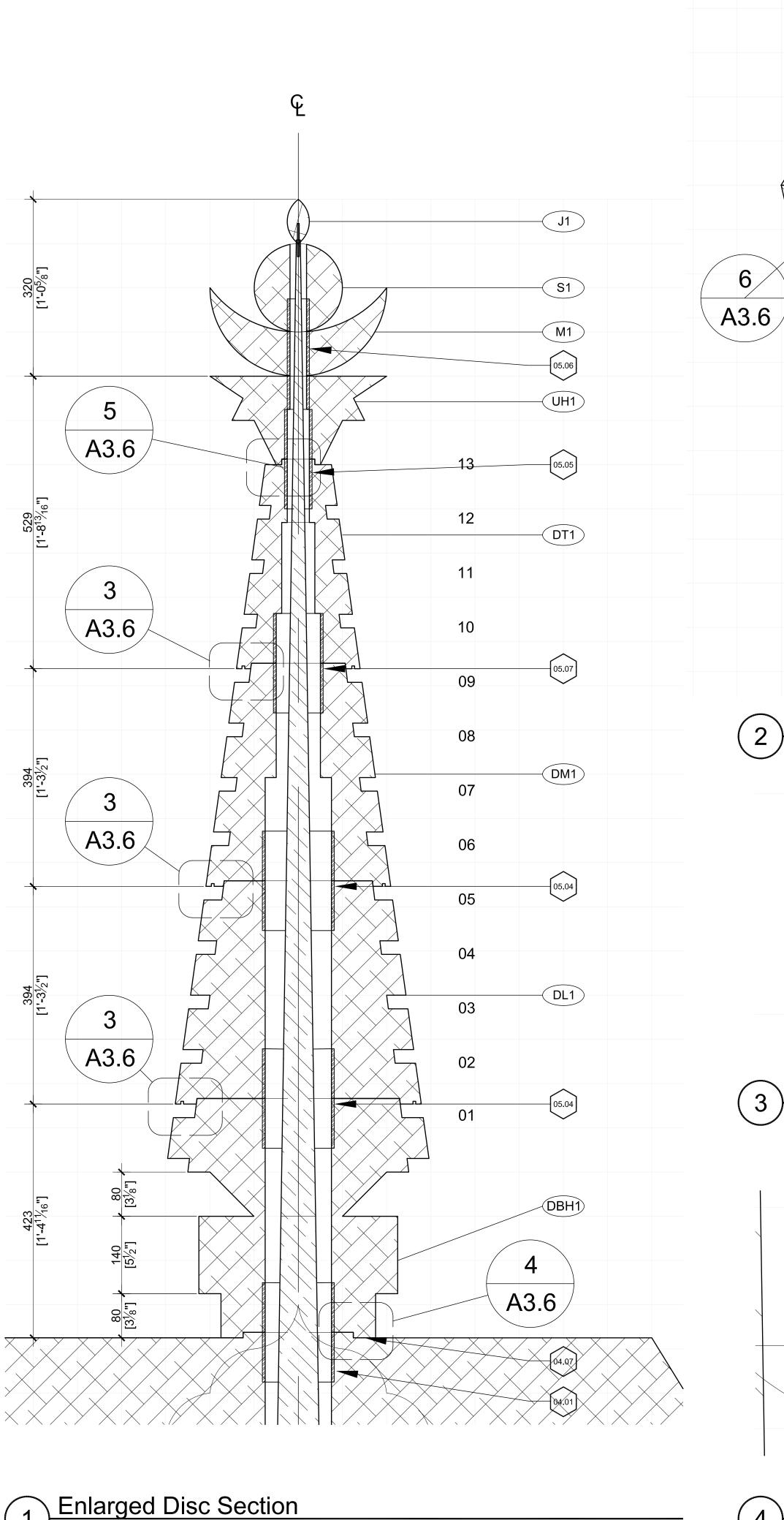


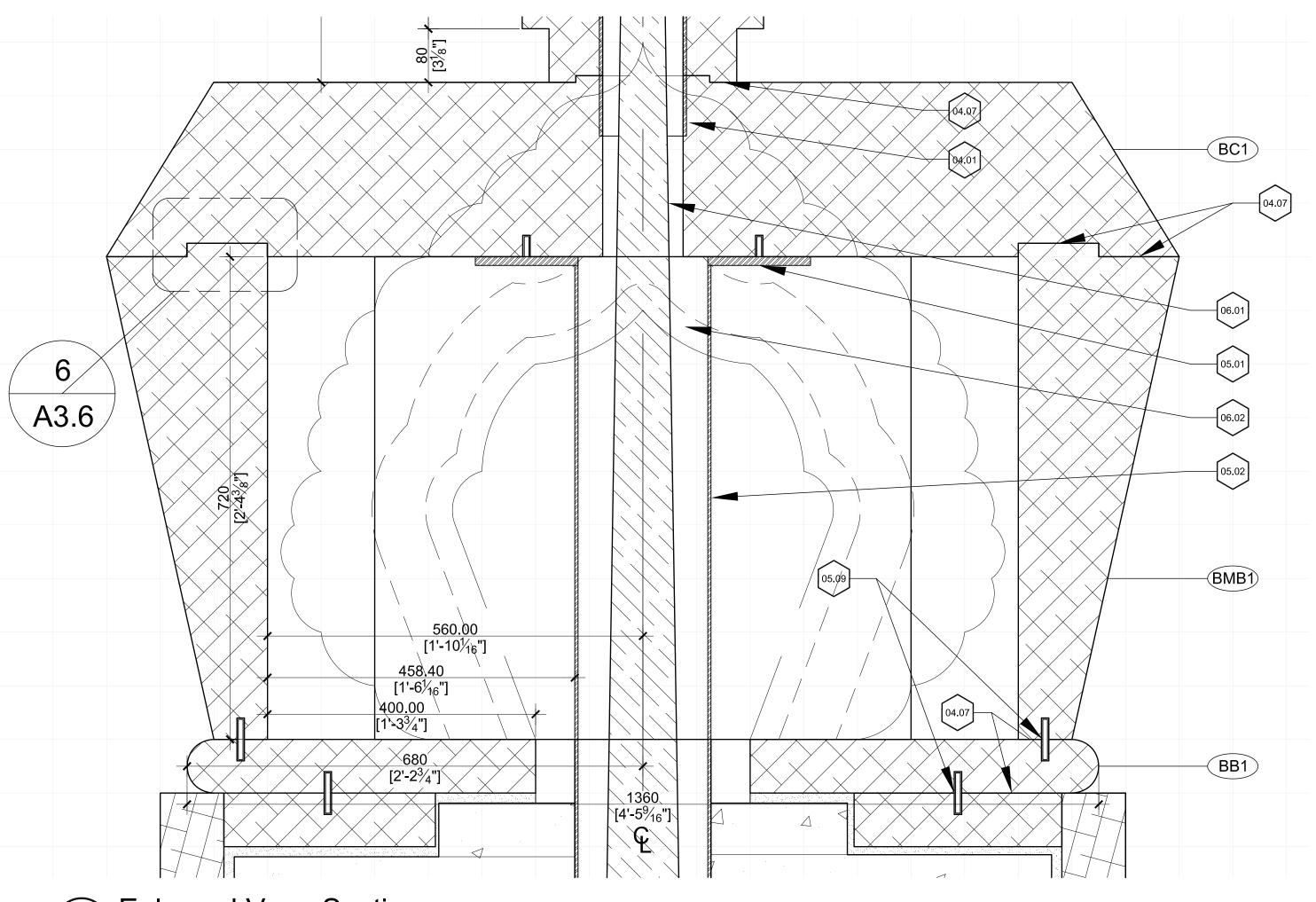
ARCHITECTS

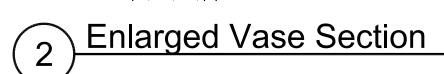


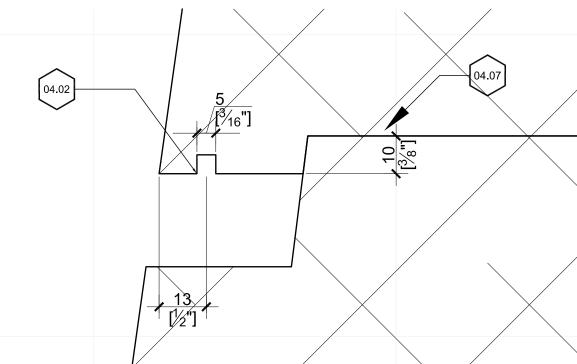




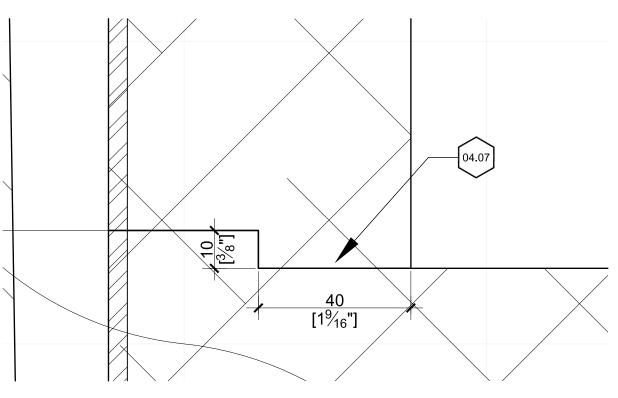




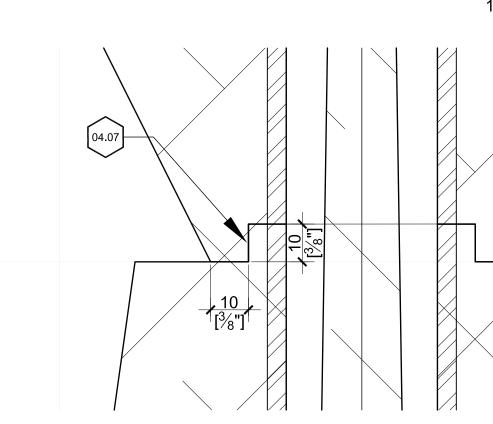




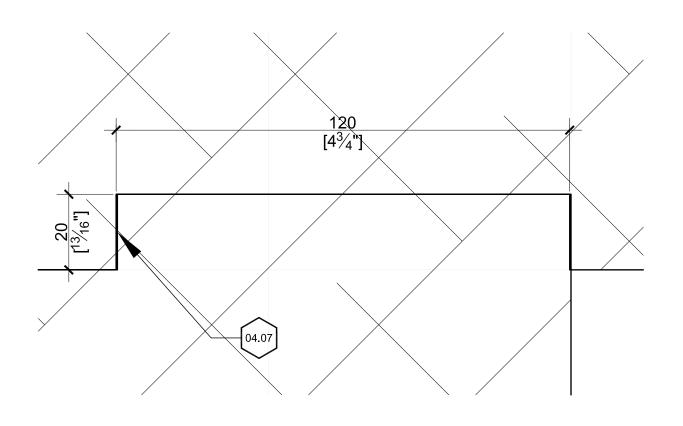




Rabbet Connection





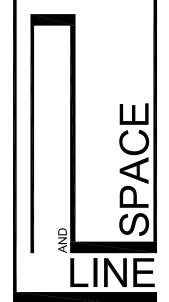


Rabbet Connection

Refer to the Cover Sheet of this set of documents for General Notes applying to the entire project.

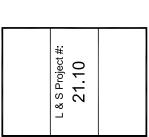
Keynotes - Sheet A3.6

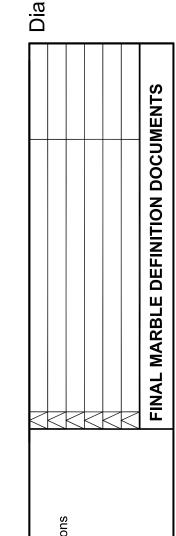
- 04.02 Continuous drip edge at joints between blocks of carved marble 04.07 Continuous bead of structural epoxy adhesive at joint between pieces of
- 05.01 $\frac{1}{2}$ " (approx. 13mm) steel top plate with hole in center matching interior shape of 8x8x1/4" (approx. 203mm x 203mm x 7mm) HSS column; and welded 1" long by $\frac{1}{4}$ " diameter (approx 25mm x 7mm) deformed stainless
- pin epoxied in marble to align carved marble Bumpa Cap 05.02 $8x8x_4^{1}$ " (approx. 203mm x 203mm x 7mm) HSS column
- 05.04 5mm thick, 130mm outside diameter, 180mm long metal sleeve, set in epoxy, to align adjacent pieces of marble
- 05.05 5mm thick, 50mm outside diameter, 180mm long metal sleeve, set in epoxy, to align adjacent pieces of marble 05.06 5mm thick, 40mm outside diameter, 180mm long metal sleeve, set in
- epoxy, to align adjacent pieces of marble
 05.07 5mm thick, 90mm outside diameter, 180mm long metal sleeve, set in
- epoxy, to align adjacent pieces of marble
- 05.09 2" long by 1/4" diameter (approx 51mm x 7mm) deformed steel pin epoxied in marble to align marble pieces
- Wood stick 1 continuous piece of juniper harvested from project site and carved to shape as defined on A5.0
 Continuous void around stick filled with Mantras full length of stick stick
- does not touch marble or steel



ARCHITECTS







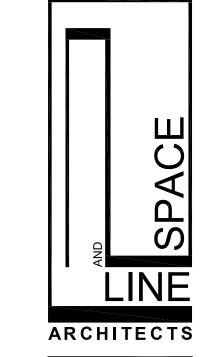
Front

Top

Profile

Throne Cornice Corner - TCC1 x 4

Refer to the Cover Sheet of this set of documents for General Notes applying to the entire project.



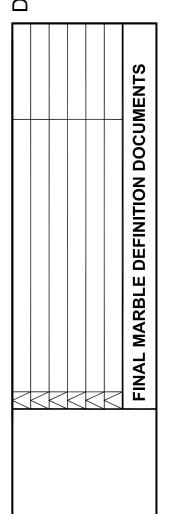
LINE AND SPACE, LLC 627 E. Speedway Blvd.
Tucson, AZ 85705
Tel: (520) 623-1313
Fax: (520) 623-1313
www.lineandspace.com



L & S Project #: 21.10

9 S Old Fort Bowie Rd, Bowie, AZ 85605

Stupa 1

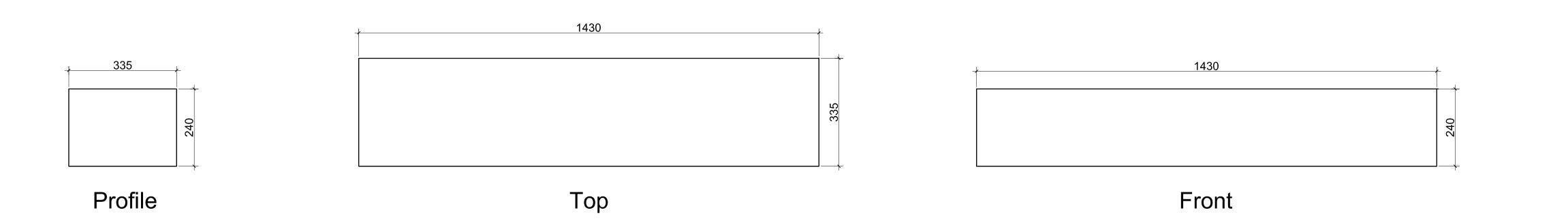


Sheet A4-0

Throne Middle Straight - TMS1 x 4

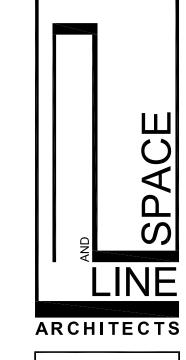
Profile Top Front

2 Throne Plinth Straight - TPS1 x 4



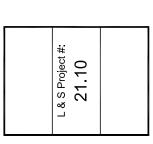
Throne Base Straight - TBS1 x 4

Refer to the Cover Sheet of this set of documents for General Notes applying to the entire project.

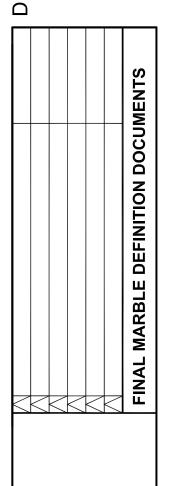




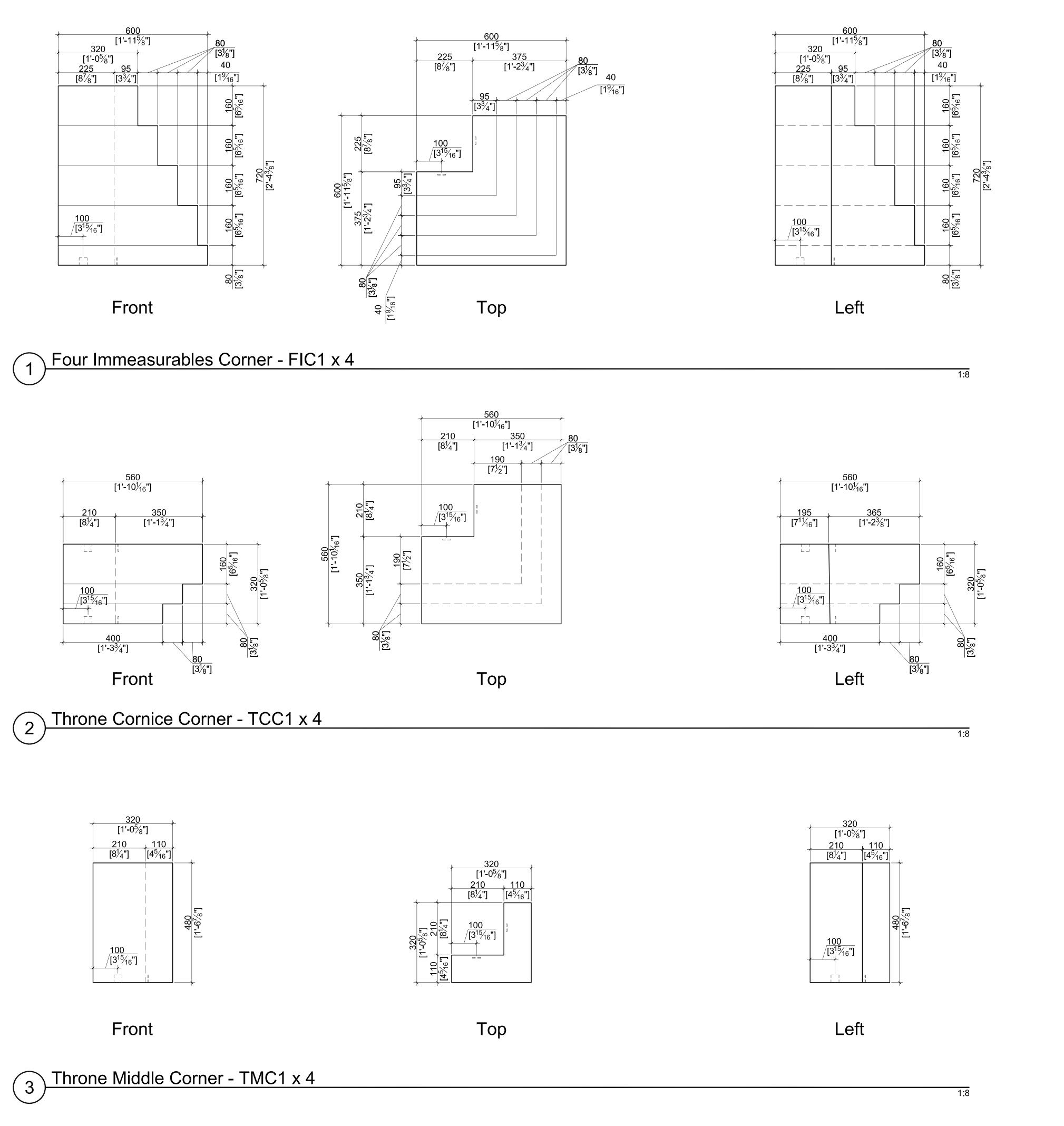


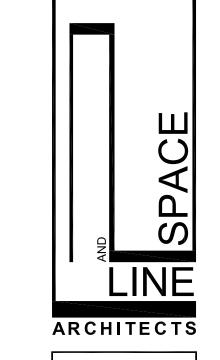






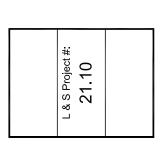
A4.1





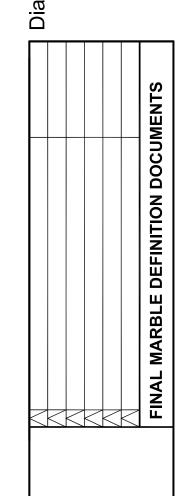




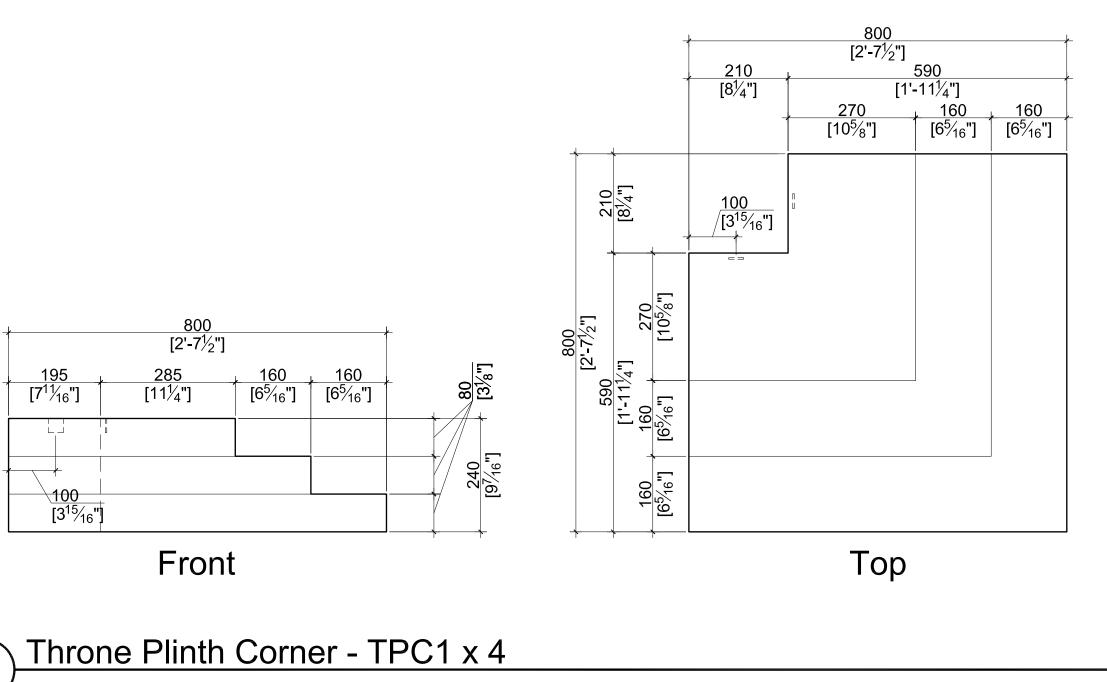


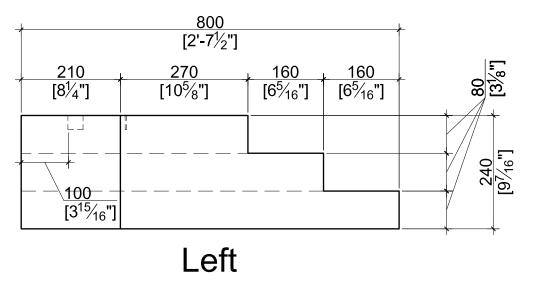
3209 S Old Fort Bowie Rd, Bowie, AZ 85605

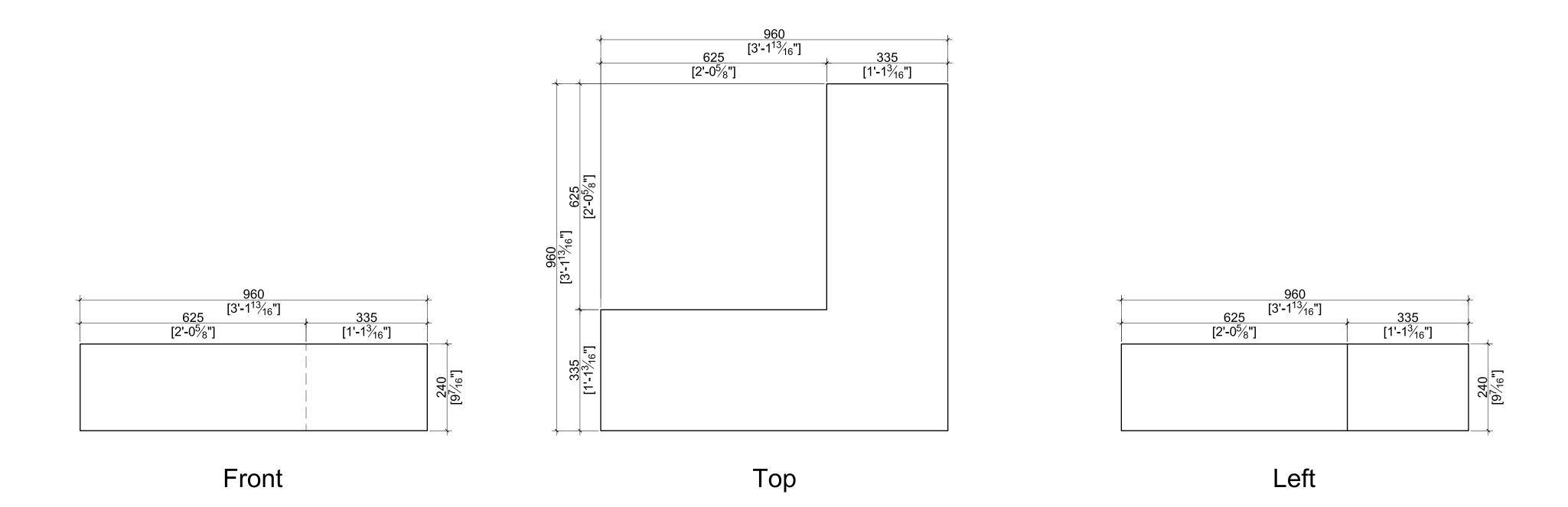
Stupa 1



Sheet Title
Sheet Title
Continued
Continued

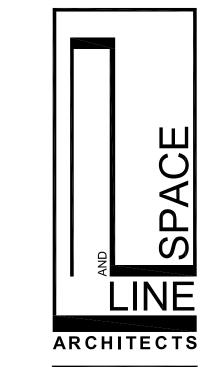




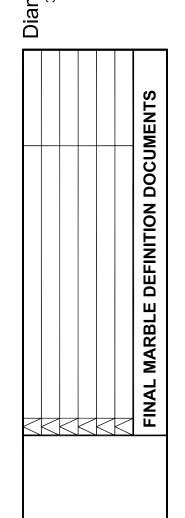


2 Throne Base Corner - TBS1 x 4

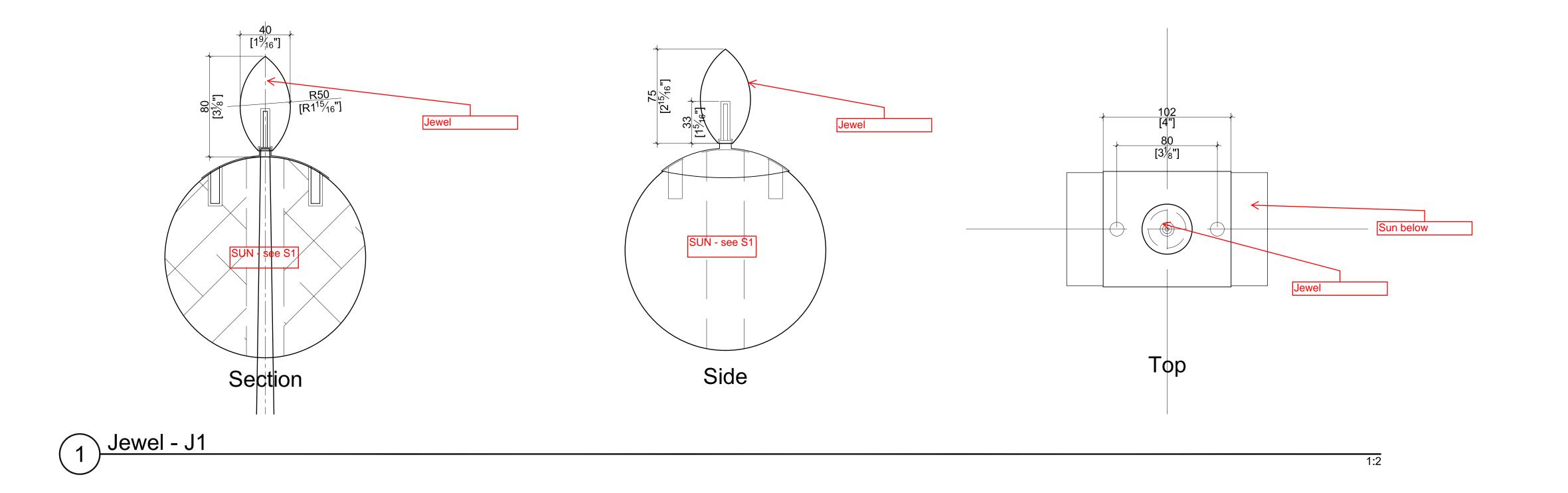
Refer to the Cover Sheet of this set of documents for General Notes applying to the entire project.

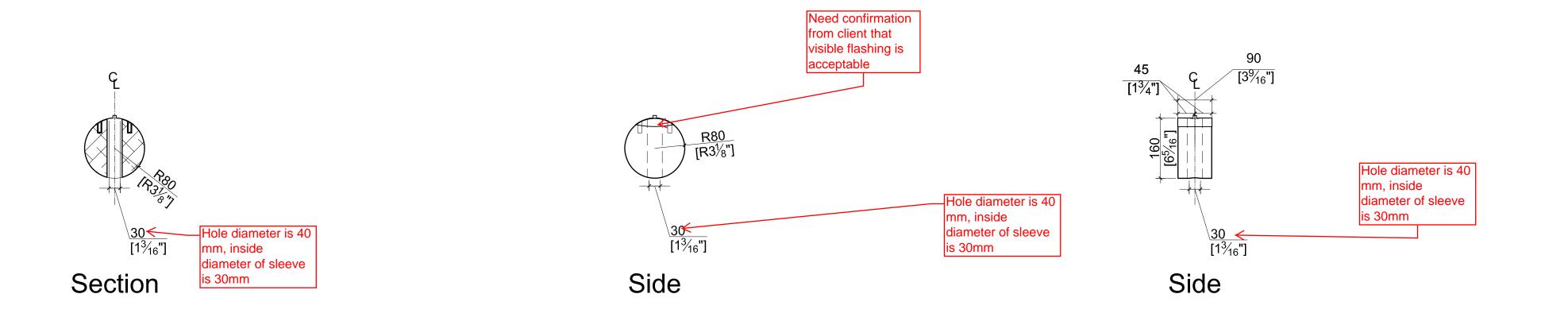




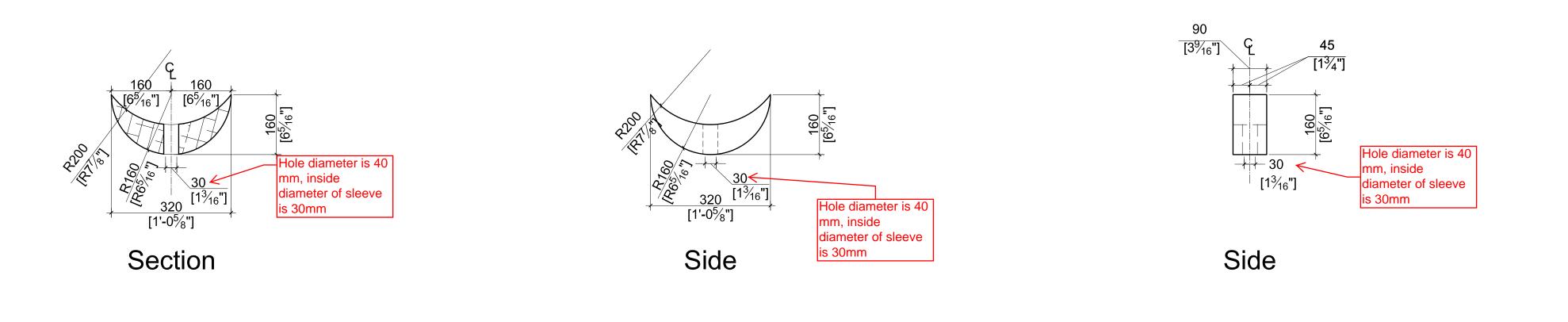


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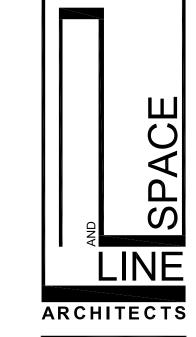
2 Sun - S1



3 Moon - M1

Refer to the Cover Sheet of this set of documents for General Notes applying to the entire project.

Keynotes - Sheet A4.4



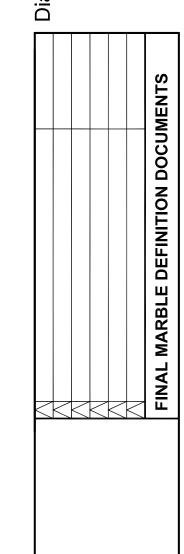
627 E. Speedway Blvd.
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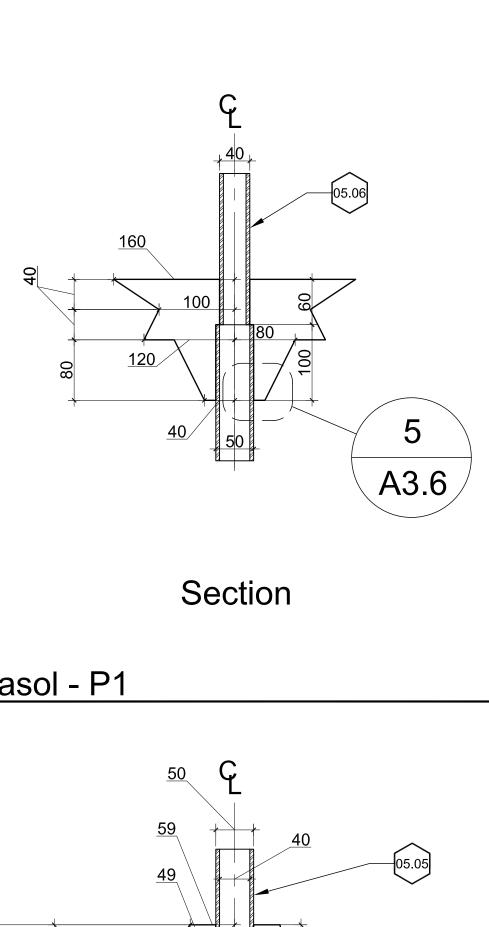
3209 S Old Fort Bowie Rd, Bowie, AZ 85605

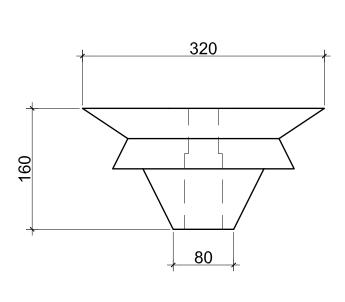
Stupa 1

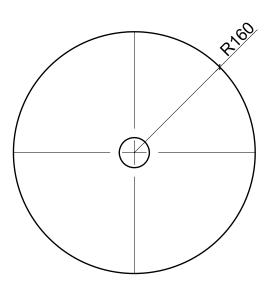


Date: 2021 Oct 29

Sheet

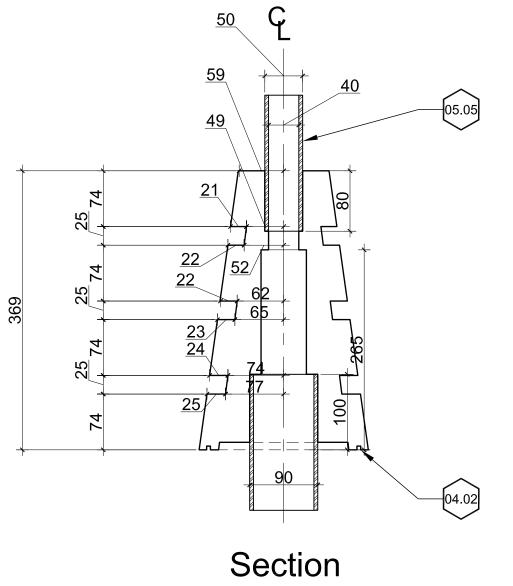


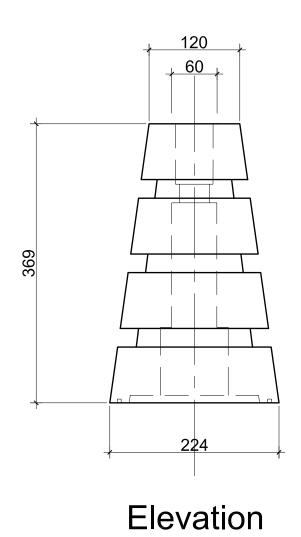


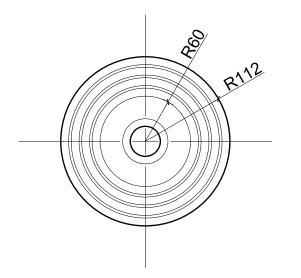


Elevation

Parasol - P1

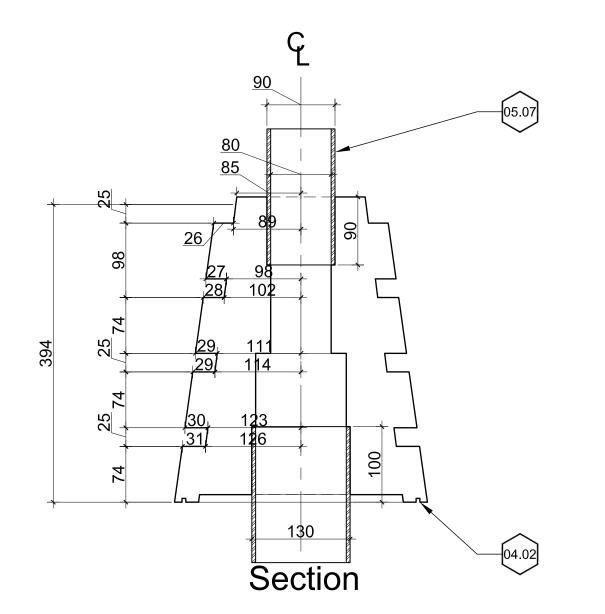


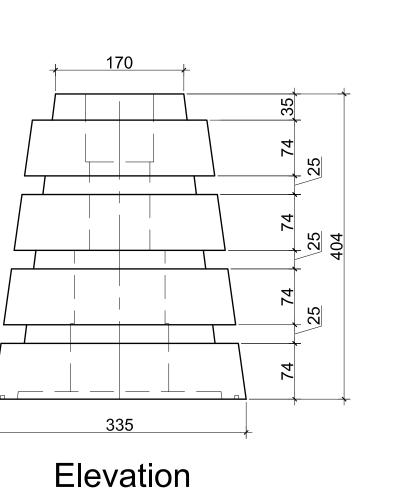


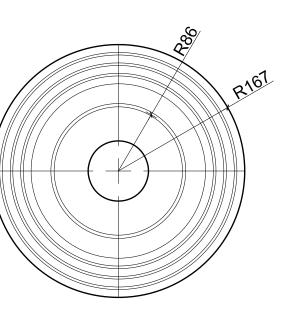


Top

Disks Top - DT1







Top

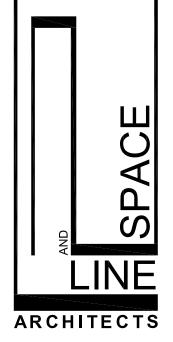
3 Disks Middle - DM1

Refer to the Cover Sheet of this set of documents for General Notes applying to the entire project.

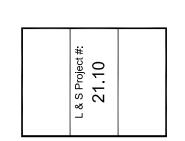
Keynotes - Sheet A4.6

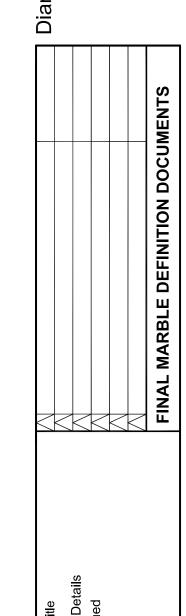
- 04.02 Continuous drip edge at overhangs between blocks of carved marble

- 5mm thick, 50mm outside diameter, 180mm long metal sleeve, set in epoxy, to align adjacent pieces of marble
 5mm thick, 40mm outside diameter, 180mm long metal sleeve, set in epoxy, to align adjacent pieces of marble
 5mm thick, 90mm outside diameter, 180mm long metal sleeve, set in epoxy, to align adjacent pieces of marble



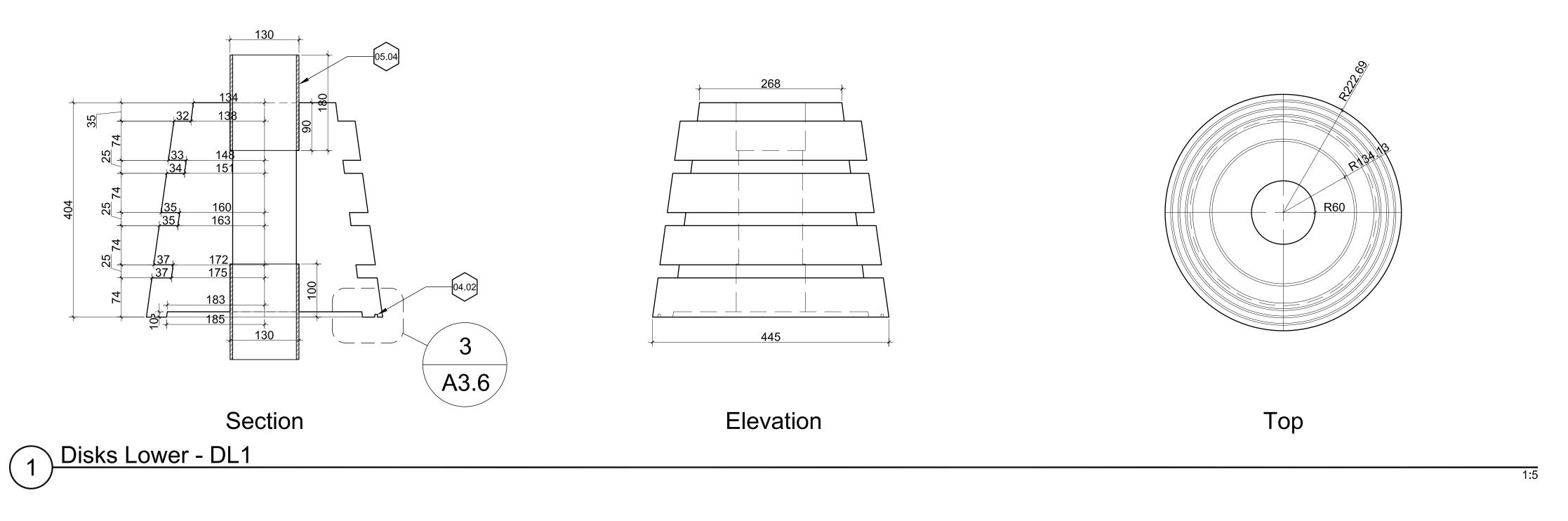


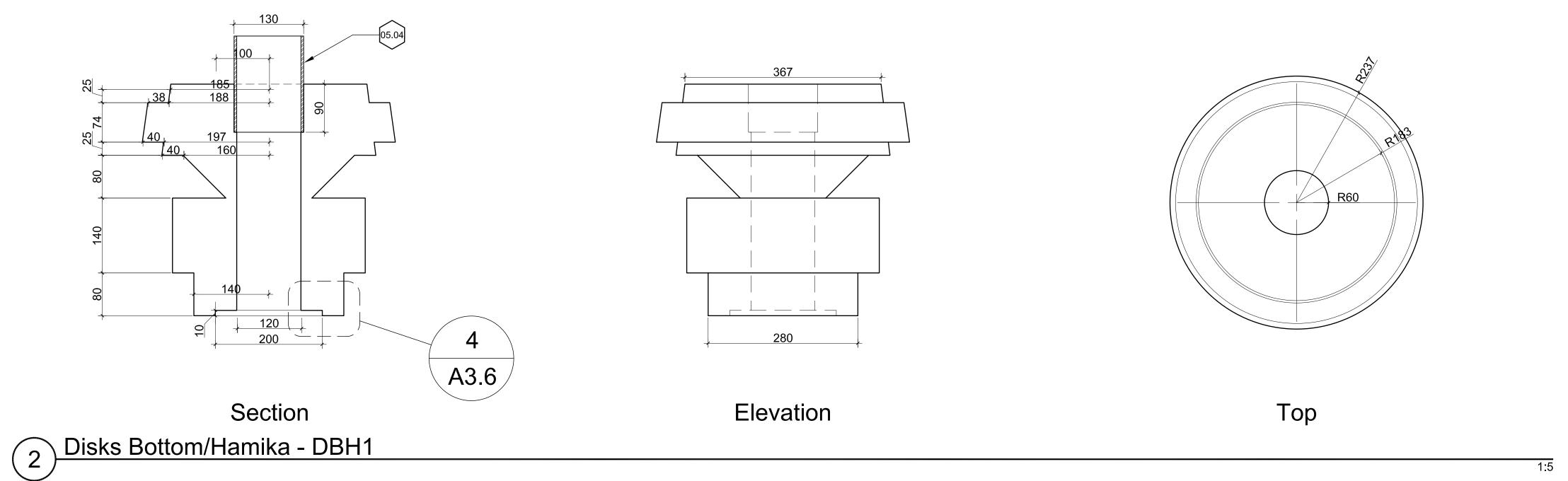




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Sheet **A4.5**

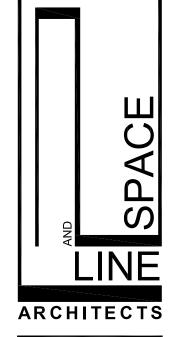




Keynotes - Sheet A4.6

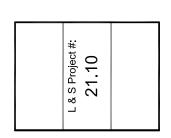
04.02 Continuous drip edge at overhangs between blocks of carved marble

05.04 5mm thick, 130mm outside diameter, 180mm long metal sleeve, set in epoxy, to align adjacent pieces of marble

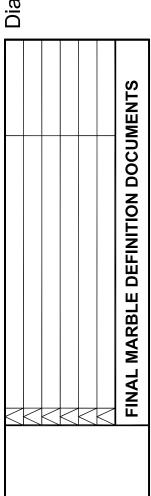


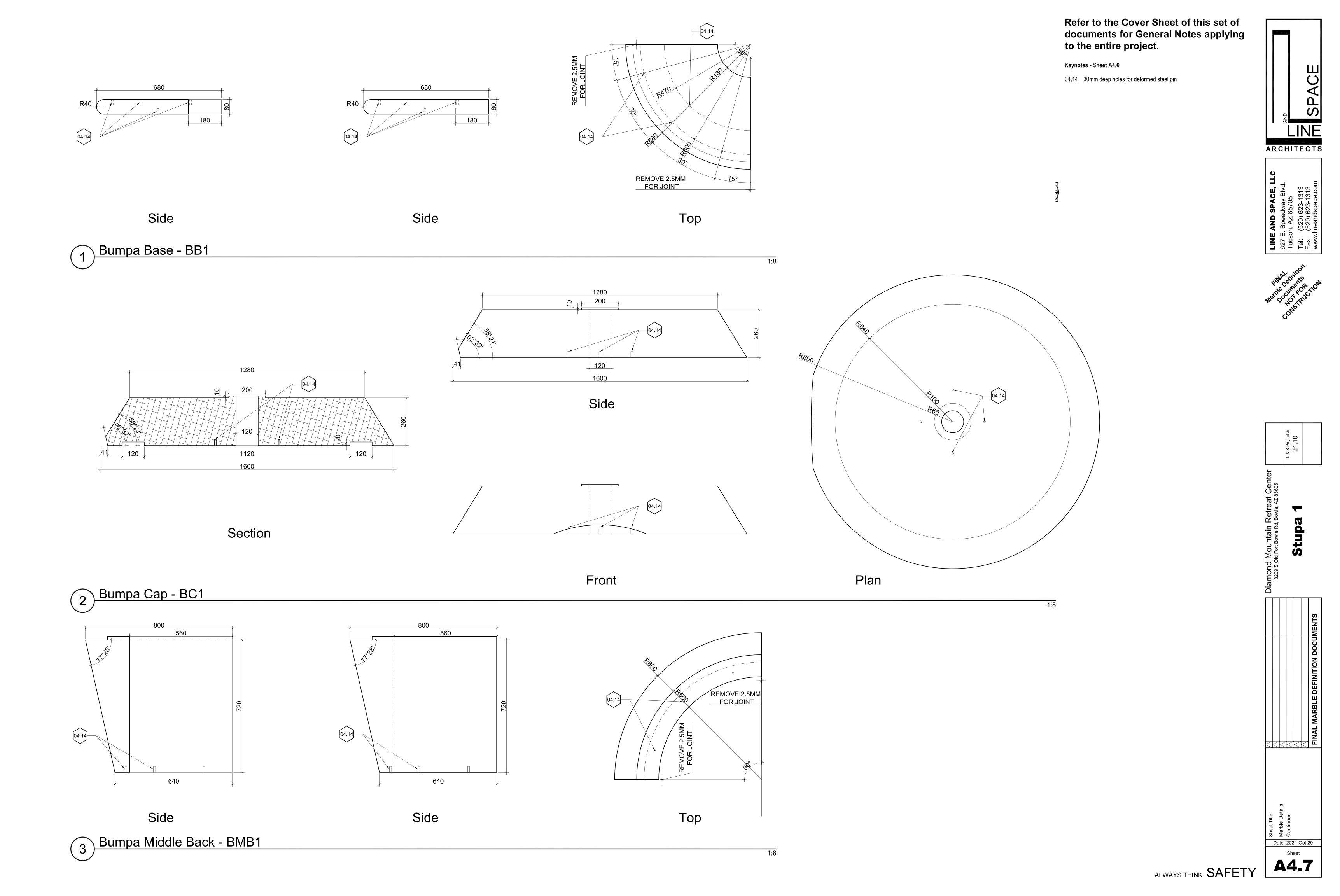
L	LINE AND SPACE, LLC
627 E Tucs	627 E. Speedway Blvd. Tucson, AZ 85705
Tel:	(520) 623-1313
WW.	www.lineandspace.com

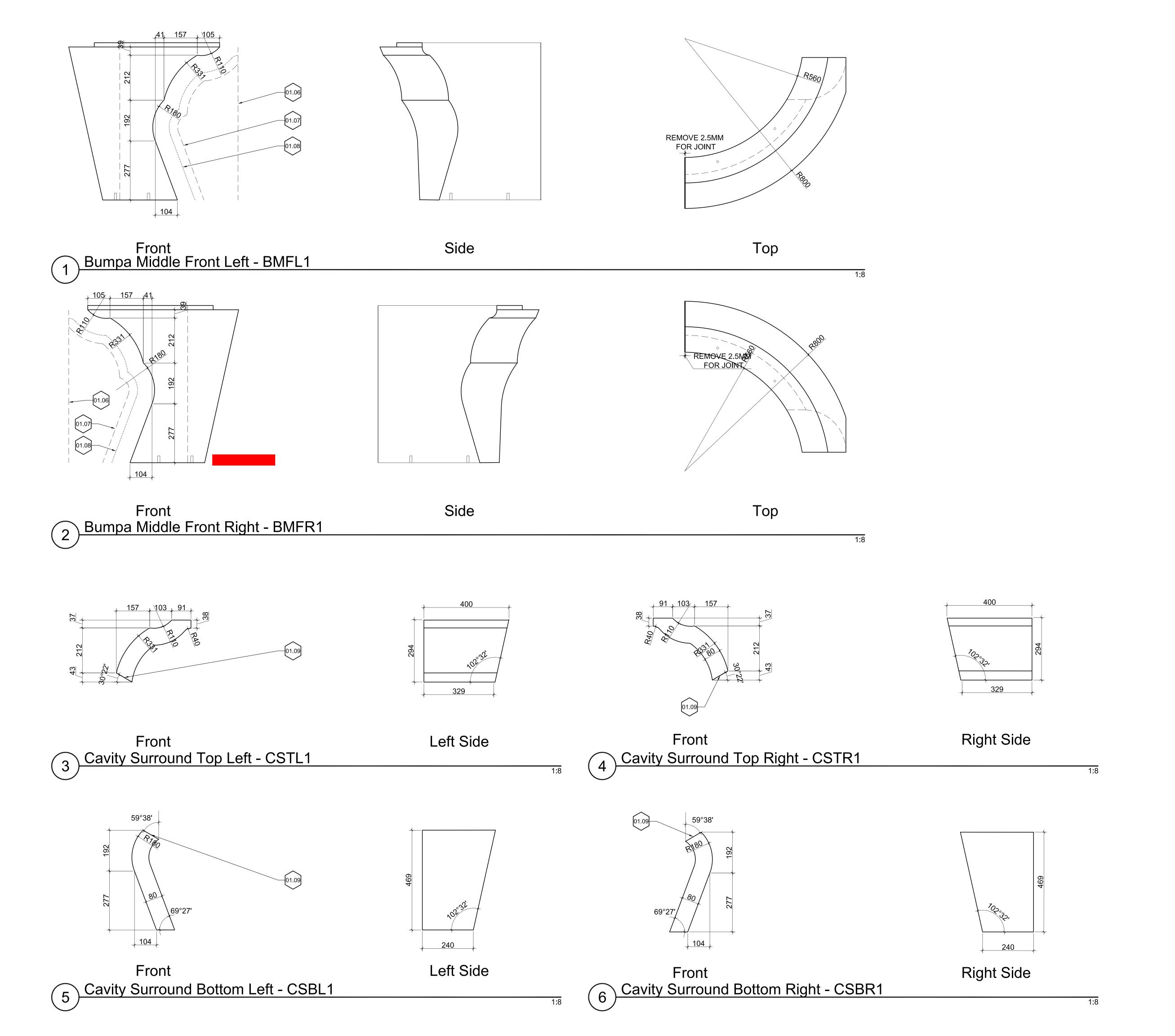




Stupa 1

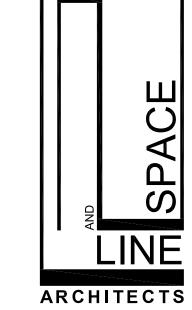






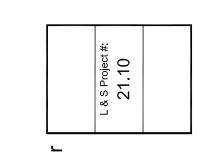
Keynotes - Sheet A4.8

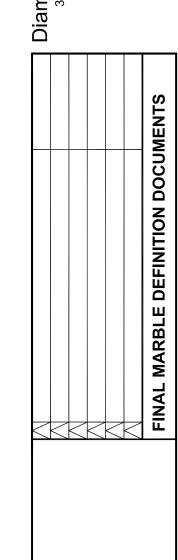
01.06 Frame/cavity centerline
01.07 Frame inside border
01.08 Bumpa middle to match up with cavity surround
01.09 Pin connection to adjacent cavity surround pieces



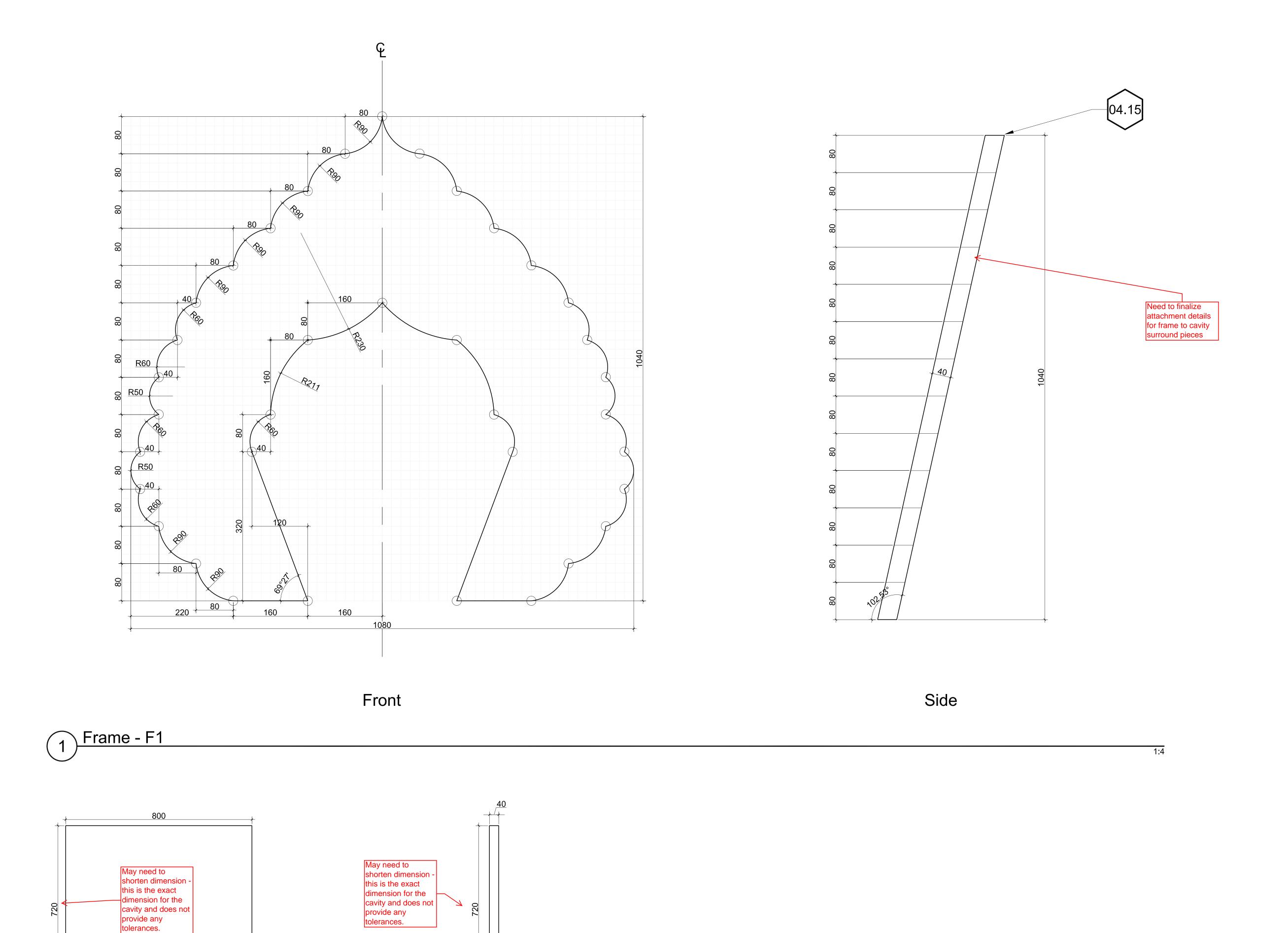








A4.8



Side

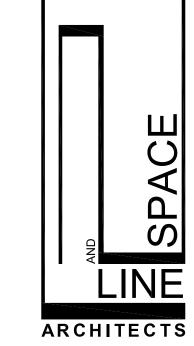
Front

2 Cavity Back - CB1

Refer to the Cover Sheet of this set of documents for General Notes applying to the entire project.

Keynotes - Sheet A4.9

04.15 Frame contours are to be flat and horizontal when frame is tilted forward 102.53°

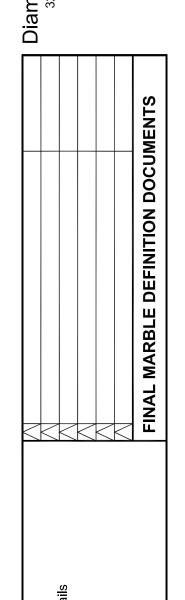


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L & S Project #: 21.10

Stupa 1

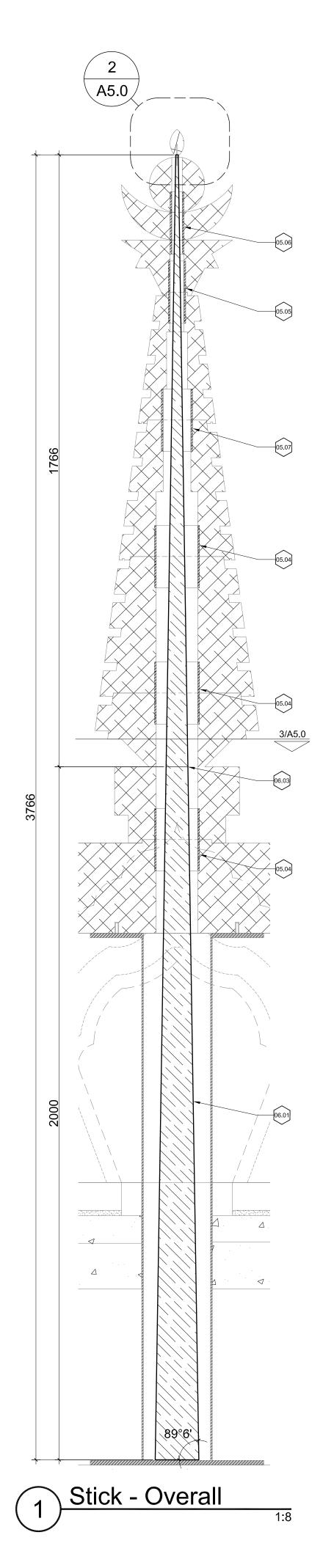


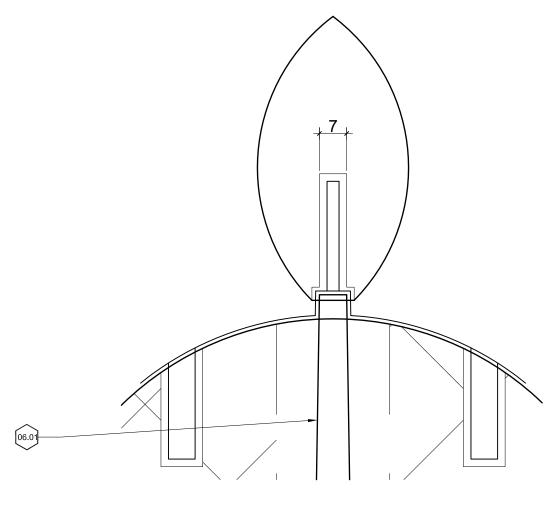
Sheet Title

Outline

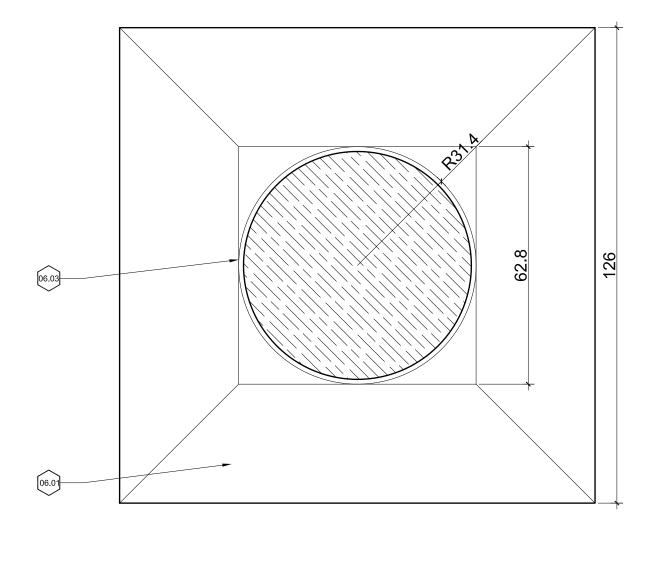
Sheet

Sheet









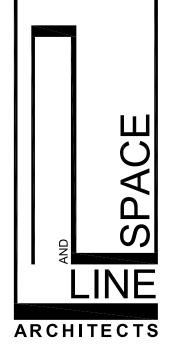
3 Stick - Cross Section

Refer to the Cover Sheet of this set of documents for General Notes applying to the entire project.

Keynotes - Sheet A5.0

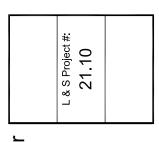
- 5mm thick, 130mm diameter, 180mm long metal sleeve, set in epoxy, to align adjacent pieces of marble
 5mm thick, 50mm diameter, 180mm long metal sleeve, set in epoxy, to align adjacent pieces of marble
 5mm thick, 40mm diameter, 180mm long metal sleeve, set in epoxy, to align adjacent pieces of marble
 5mm thick, 90mm diameter, 180mm long metal sleeve, set in epoxy, to align adjacent pieces of marble

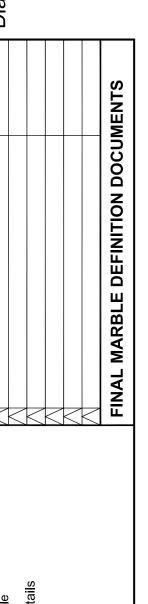
- Wood stick 1 continuous piece of juniper harvested from project site and carved to shape as defined on A5.0
 Stick transition from square cross-section to circular cross-section at this point











Date: 2021 Oct 29

Sheet **A5.0**