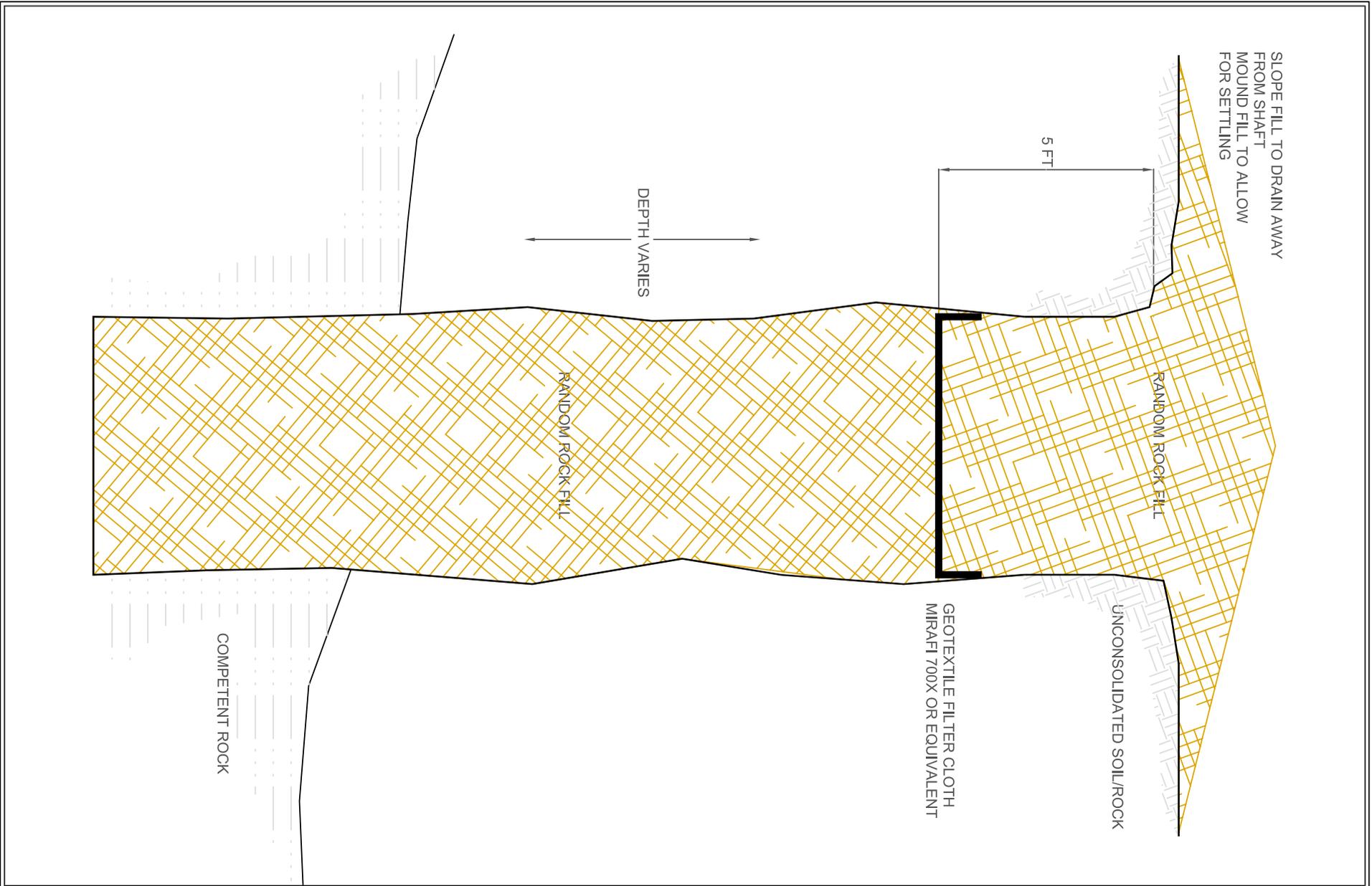


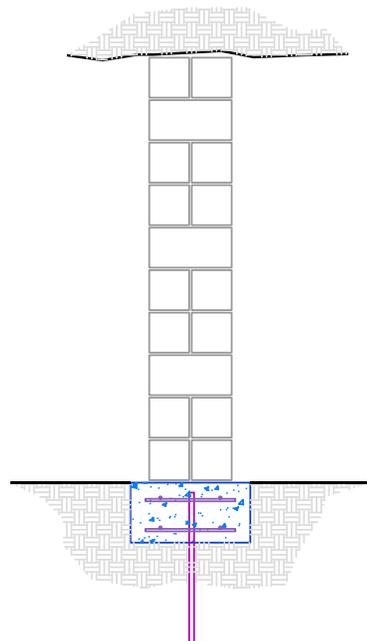
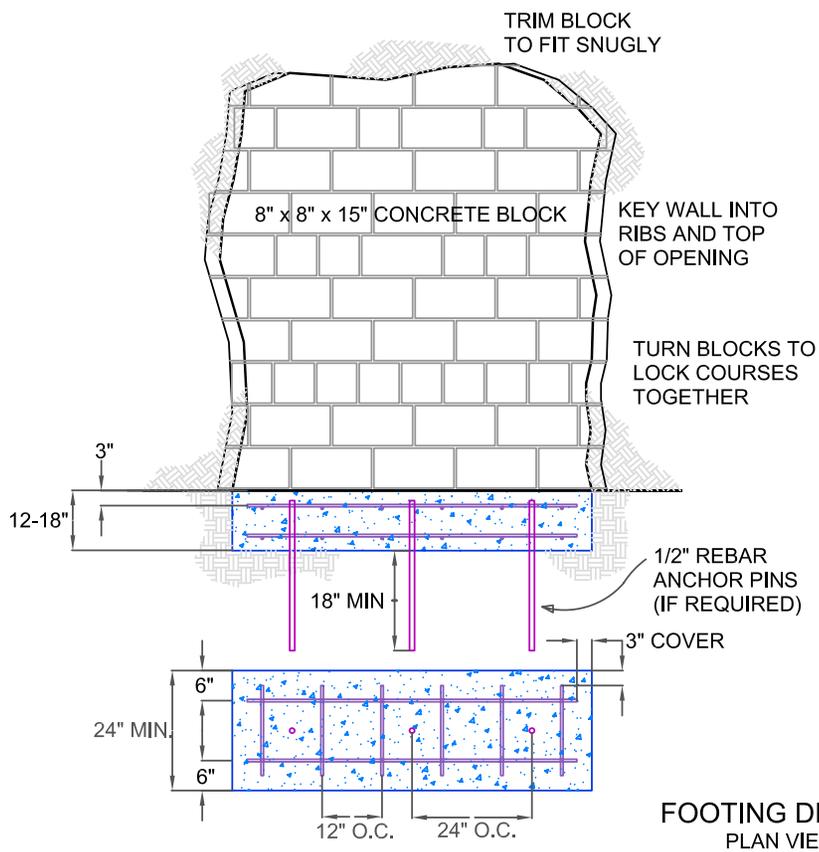
	STATE OF UTAH NATURAL RESOURCES Oil, Gas and Mining Abandoned Mine Reclamation Program	RECLAMATION PROJECT CONSTRUCTION SPECIFICATIONS Chapter 6: DESIGN DRAWINGS	ADIT BACKFILL CLOSURE	
			Scale: as noted	Design: LAA Drafting: JCR
			Refer to Spec Section 0250	Drawing 1 of 20



	STATE OF UTAH NATURAL RESOURCES Oil, Gas and Mining Abandoned Mine Reclamation Program	RECLAMATION PROJECT CONSTRUCTION SPECIFICATIONS Chapter 6: DESIGN DRAWINGS		SHAFT BACKFILL CLOSURE		
				Scale: as noted	Design: LAA Drafting: JCR	
				Refer to Spec Section 0250	Drawing 2 of 20	

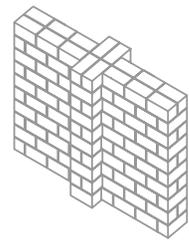
TYPICAL ELEVATION

TYPICAL SECTION



CONCRETE FOOTER AND REBAR ANCHOR PINS MAY BE OMITTED WITH OWNER'S APPROVAL WHERE THE SILL IS COMPETENT ROCK

PILASTER DETAIL



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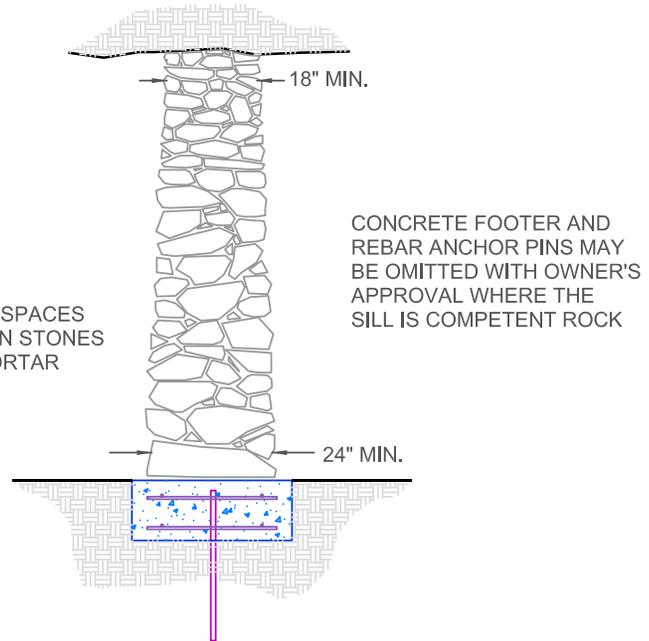
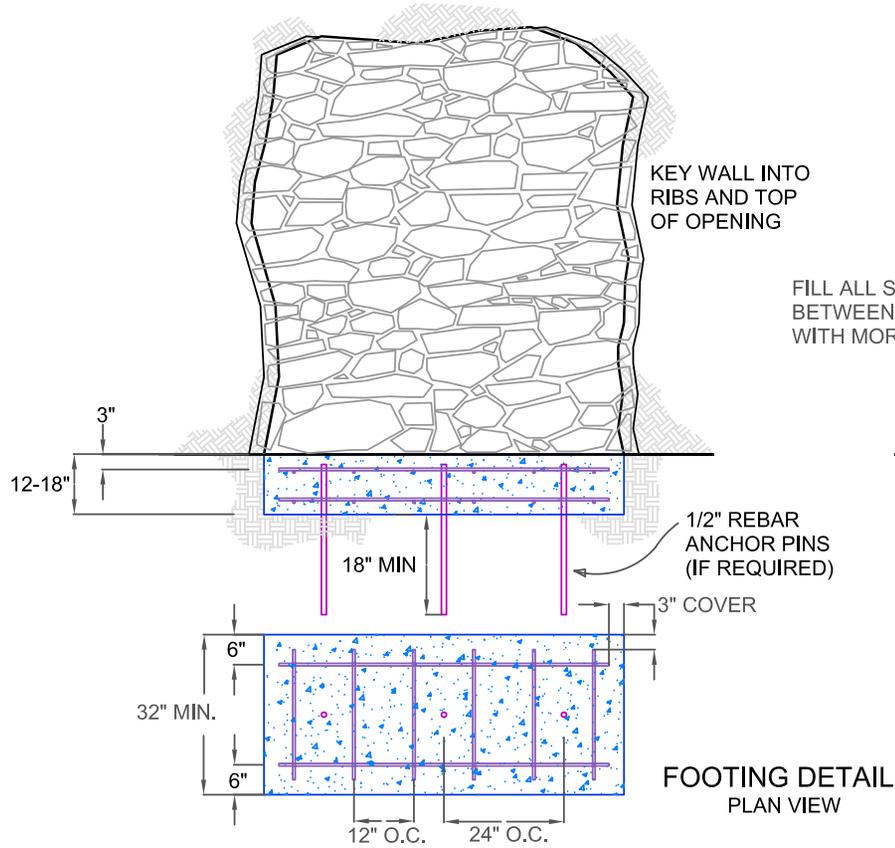
RECLAMATION PROJECT
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BLOCK WALL CLOSURE

Scale: as noted	Design: LAA Drafting: JCR
Refer to Spec Sections 0250-0252	Drawing 3 of 20

TYPICAL ELEVATION

TYPICAL SECTION



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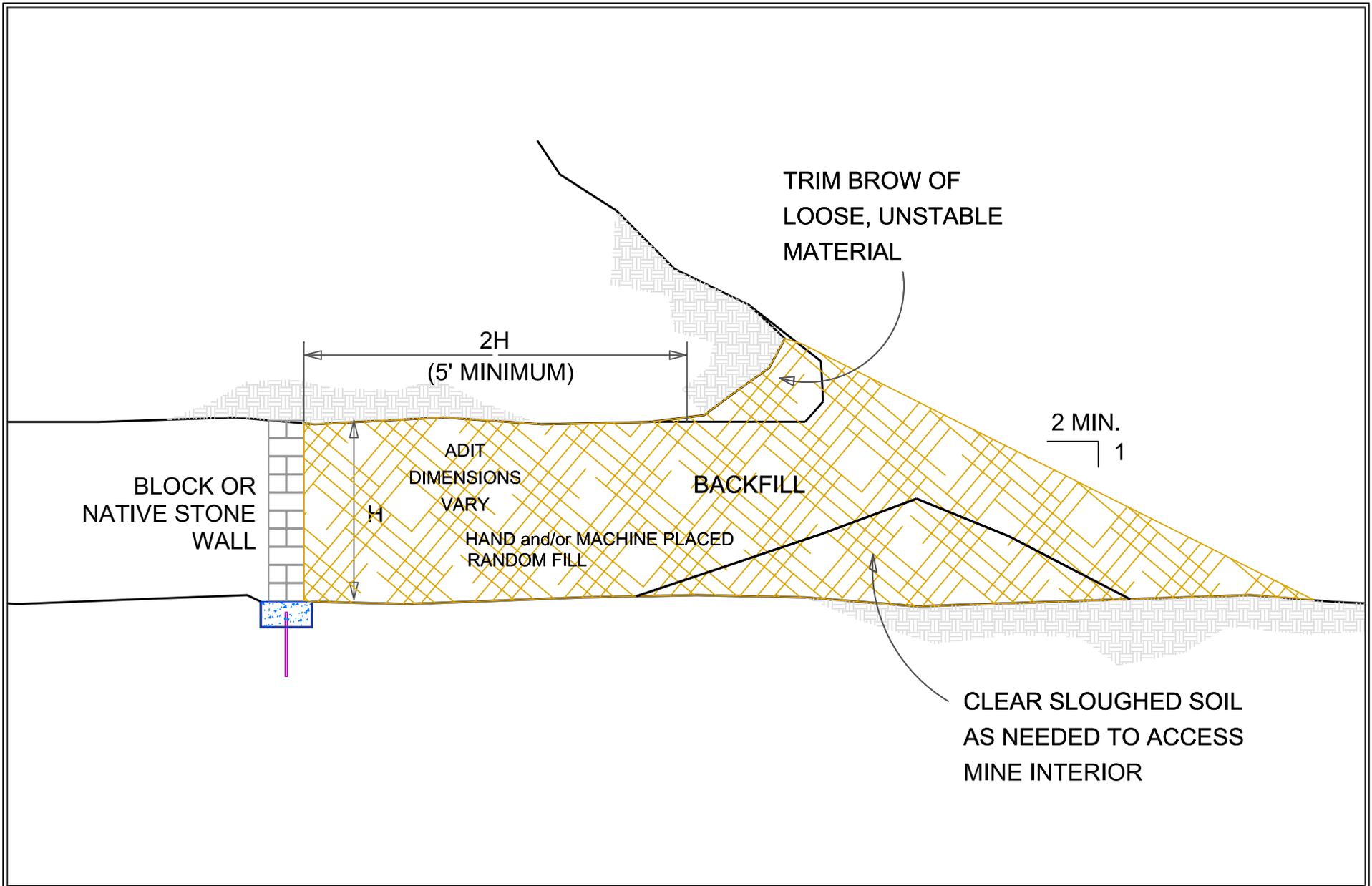
NATIVE STONE WALL CLOSURE

Scale: as noted

Design: LAA Drafting: JCR

Refer to Spec Sections 0250-0252

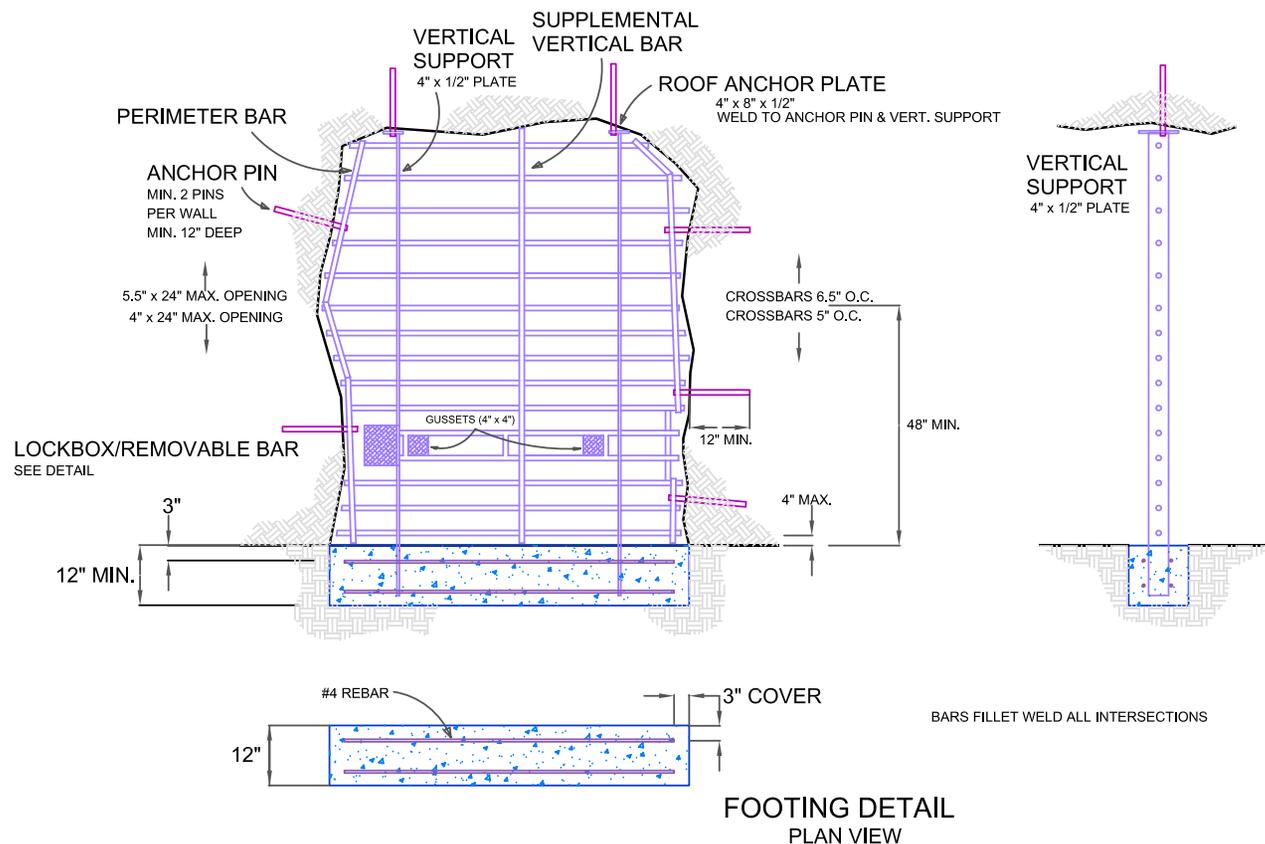
Drawing 4 of 20



	STATE OF UTAH NATURAL RESOURCES Oil, Gas and Mining Abandoned Mine Reclamation Program	RECLAMATION PROJECT CONSTRUCTION SPECIFICATIONS Chapter 6: DESIGN DRAWINGS		WALL AND BACKFILL CLOSURE	
				Scale: as noted	Design: LAA Drafting: JCR
				Refer to Spec Sections 0250-0252	Drawing 5 of 20

TYPICAL ELEVATION

TYPICAL SECTION



NOTE: ALL GATE STEEL TO BE 12-14% MANGANESE STEEL (MANGANAL OR EQUIV.)

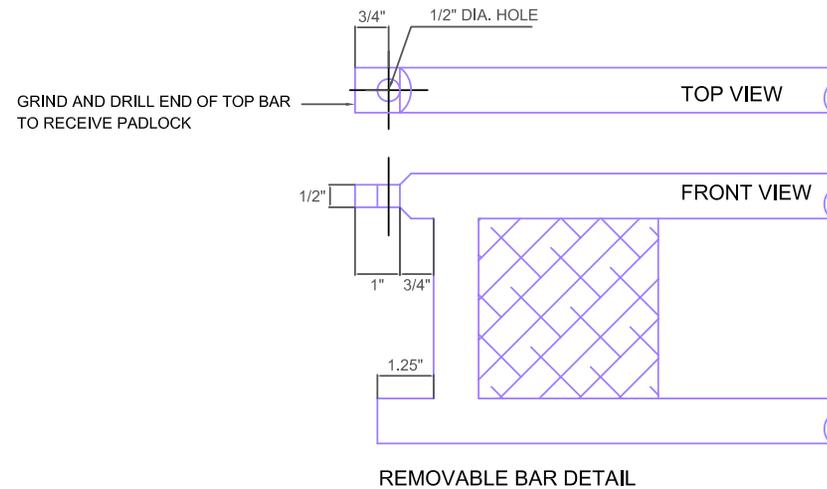
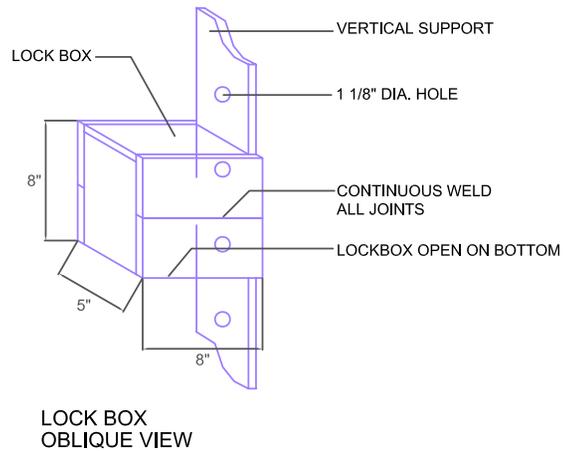
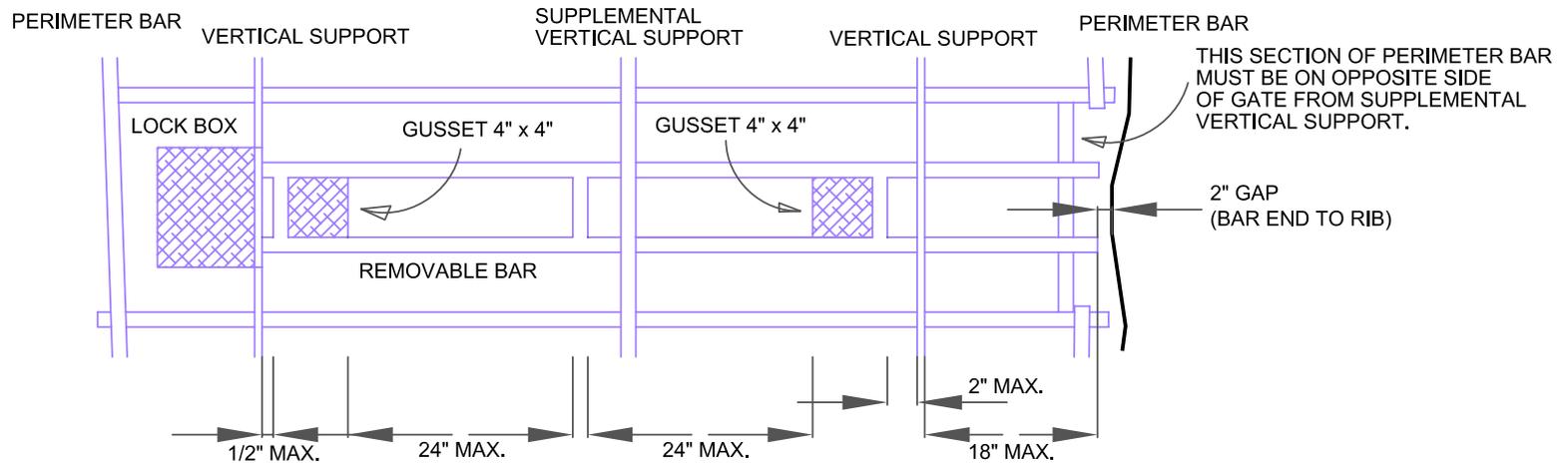


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BAT GATE CLOSURE

Scale: as noted	Design: LAA Drafting: JCR
Refer to Spec Sections 0250-0253	Drawing 6 of 20



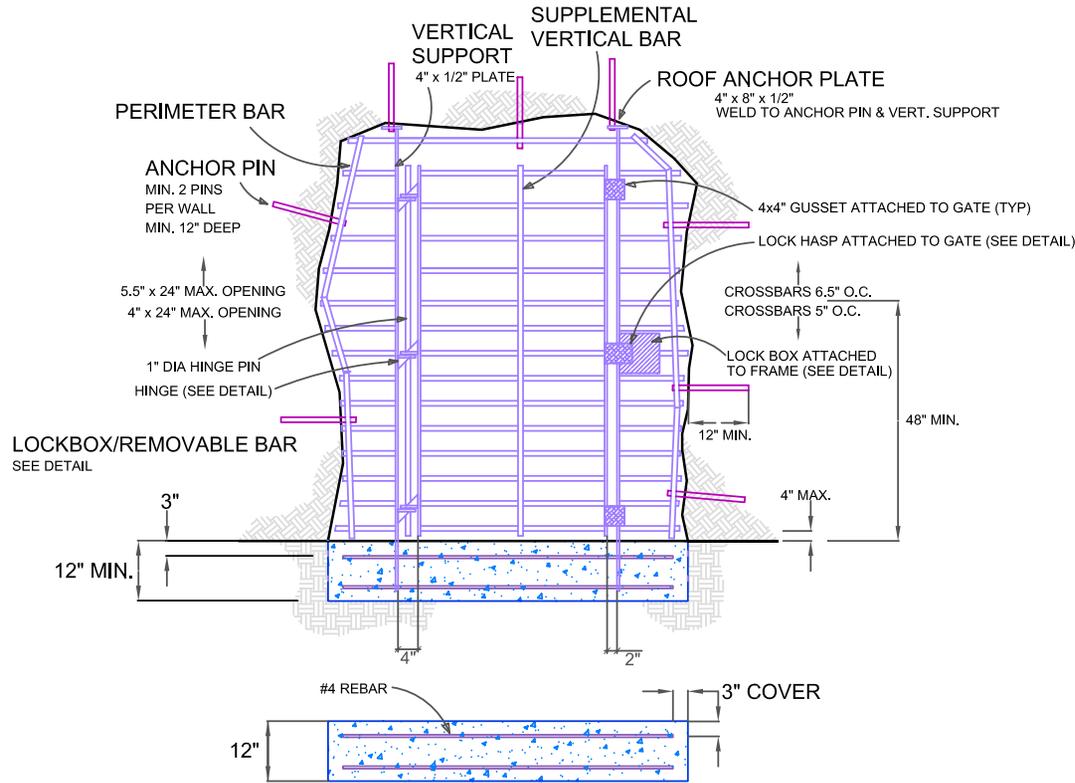
**STATE OF UTAH
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CONSTRUCTION
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DESIGN DRAWINGS**

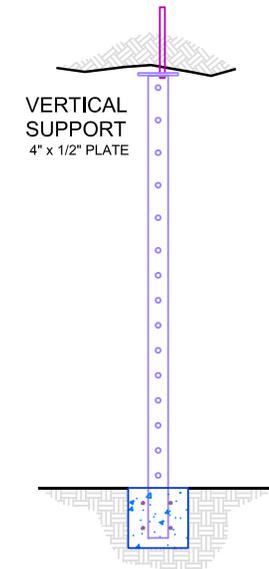
BAT GATE CLOSURE DETAILS

Scale: as noted	Design: LAA Drafting: JCR
Refer to Spec Sections 0250-0253	Drawing 7 of 20

TYPICAL ELEVATION



TYPICAL SECTION



BARS FILLET WELD ALL INTERSECTIONS

FOOTING DETAIL PLAN VIEW

NOTE: ALL GATE STEEL TO BE 12-14% MANGANESE STEEL (MANGANAL OR EQUIV.)



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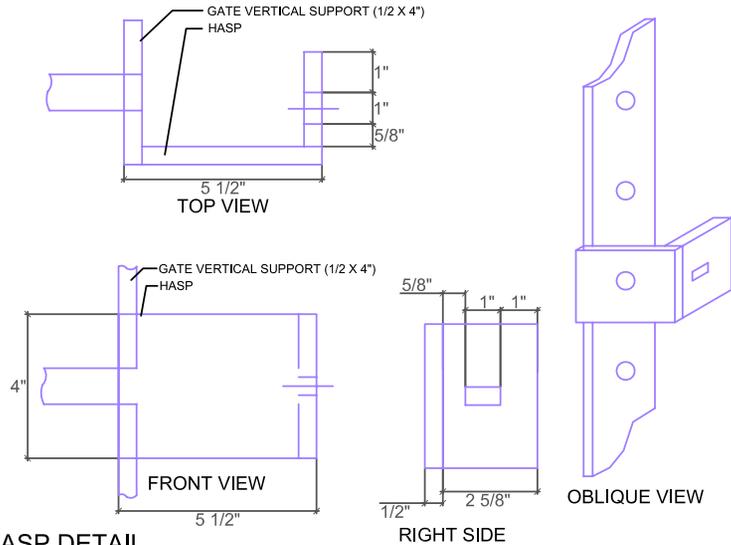
BAT GATE WITH DOOR CLOSURE

Scale: as noted

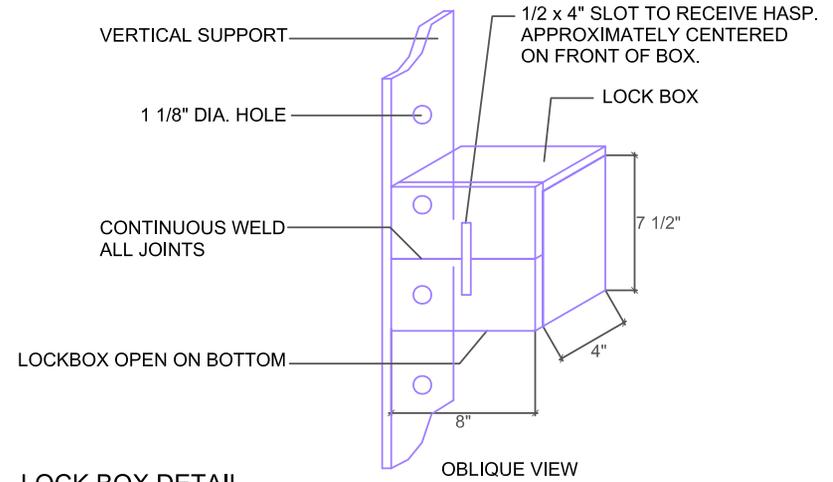
Design: LAA Drafting: DR

Refer to Spec Sections 0250-0253

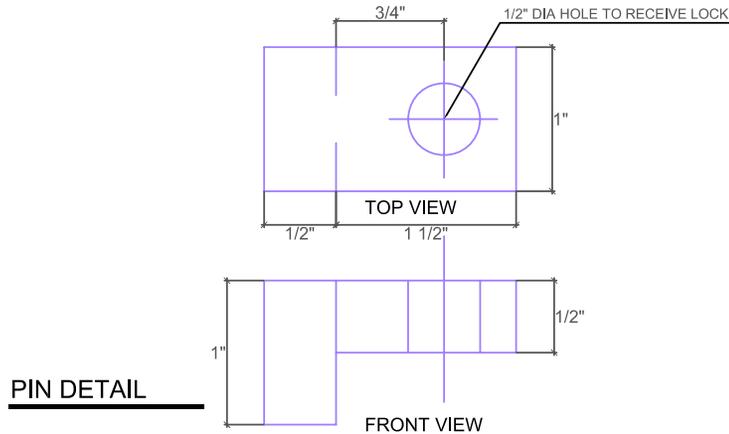
Drawing 8 of 20



HASP DETAIL

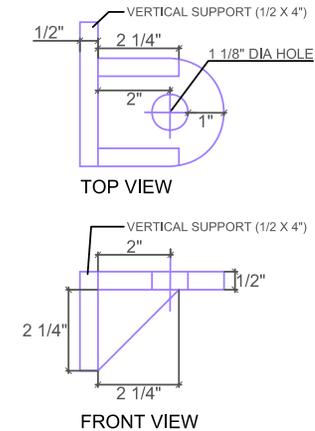


LOCK BOX DETAIL



PIN DETAIL

NOTE: ALL GATE STEEL TO BE 12-14% MANGANESE STEEL (MANGANAL OR EQUIV.)



HINGE DETAIL



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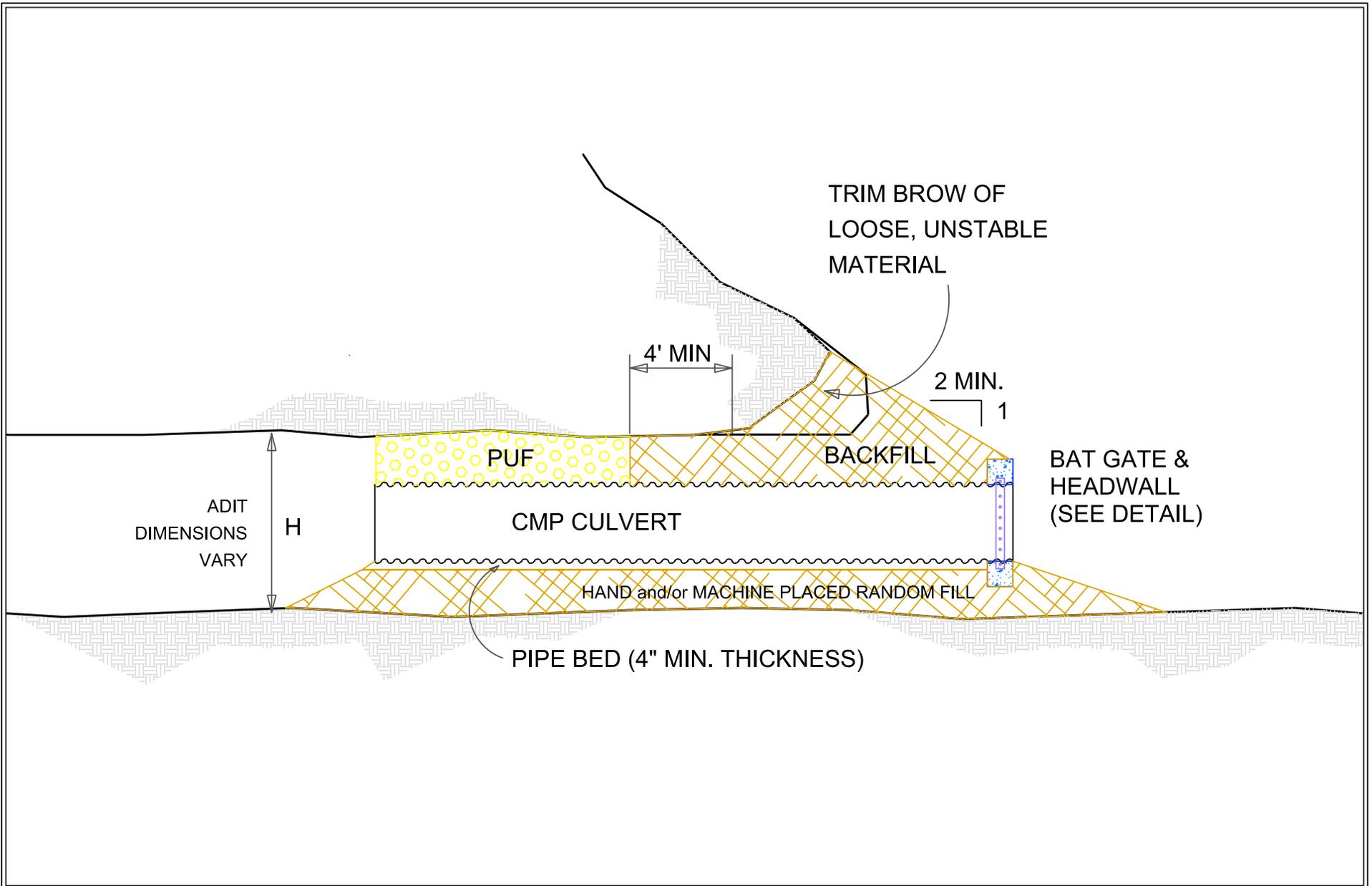
BAT GATE WITH DOOR CLOSURE DETAILS

Scale: as noted

Design: LAA Drafting: DR

Refer to Spec Sections 0250-0253

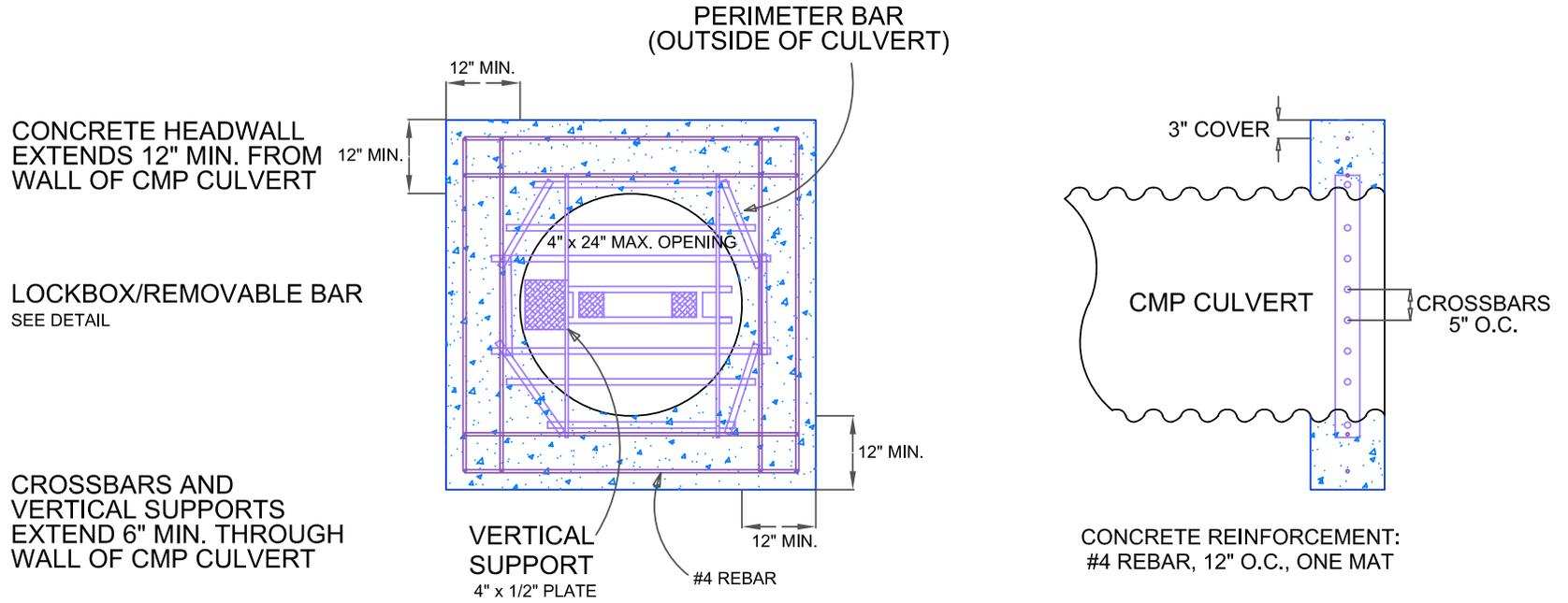
Drawing 9 of 20



	STATE OF UTAH NATURAL RESOURCES Oil, Gas and Mining Abandoned Mine Reclamation Program	RECLAMATION PROJECT CONSTRUCTION SPECIFICATIONS Chapter 6: DESIGN DRAWINGS	CMP BAT GATE CLOSURE	
			Scale: as noted	Design: LAA Drafting: JCR
			Refer to Spec Sections 0250-0254	Drawing 10 of 20

TYPICAL ELEVATION

TYPICAL SECTION



NOTE: ALL GATE STEEL TO BE 12-14% MANGANESE STEEL (MANGANAL OR EQUIV.)

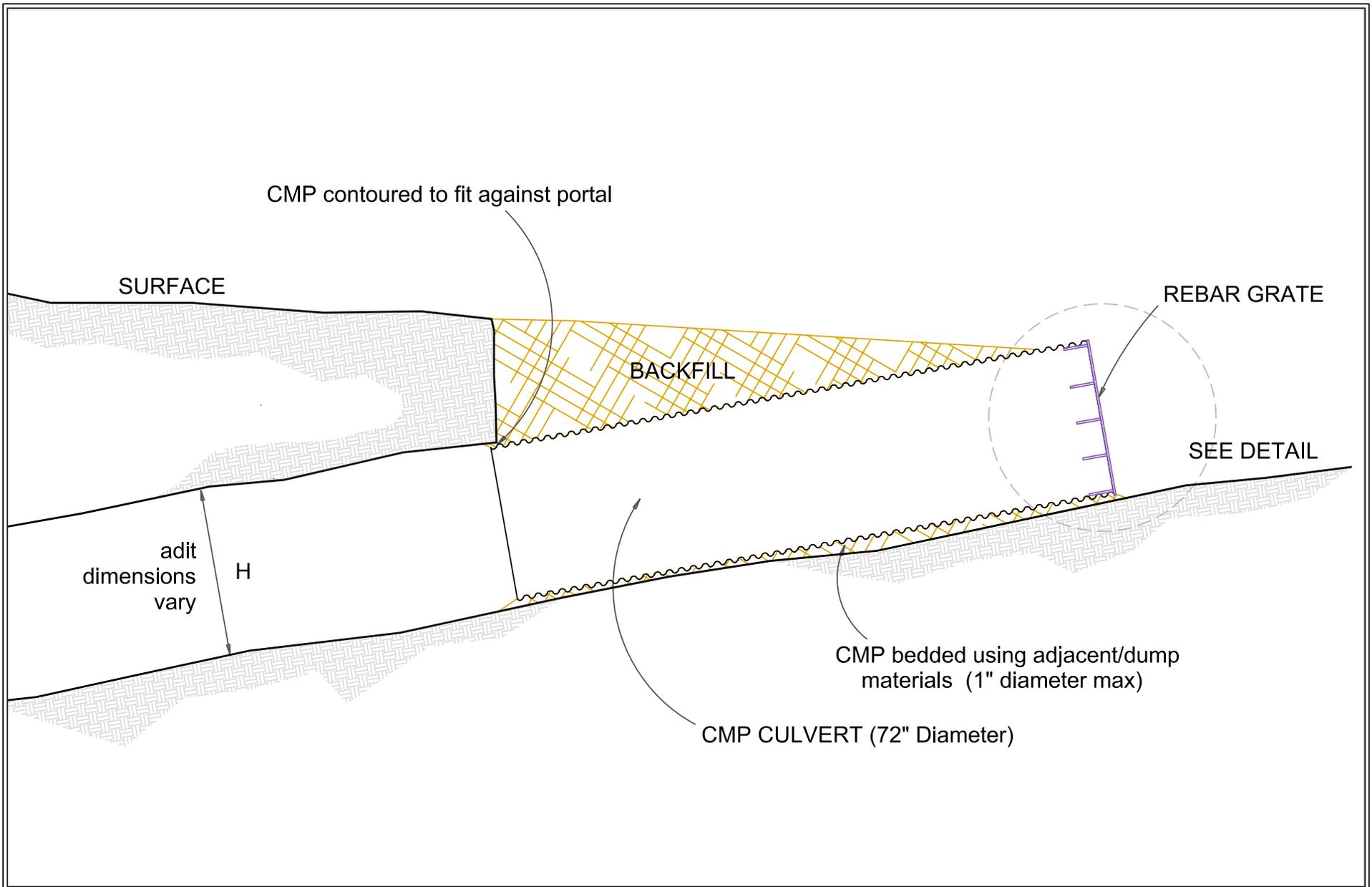


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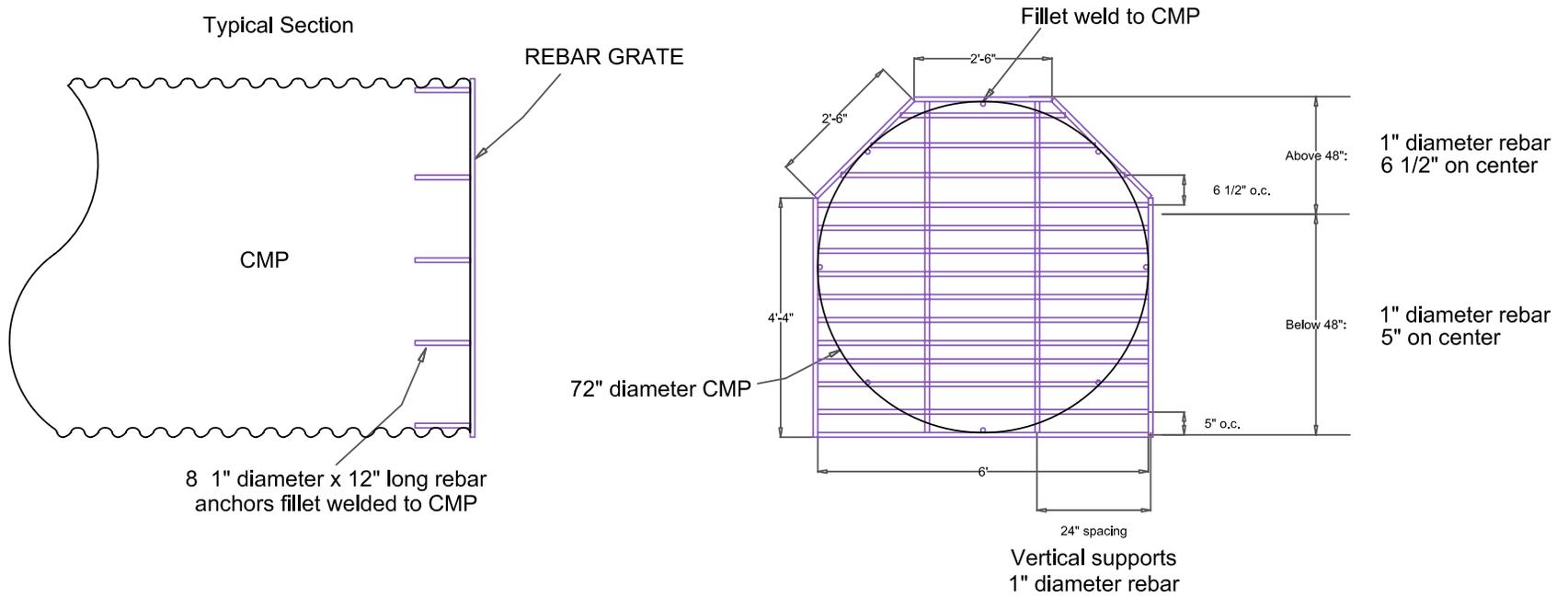
RECLAMATION PROJECT
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CMP BAT GATE CLOSURE DETAILS

Scale: as noted	Design: LAA Drafting: JCR
Refer to Spec Sections 0250-0254	Drawing 11 of 20



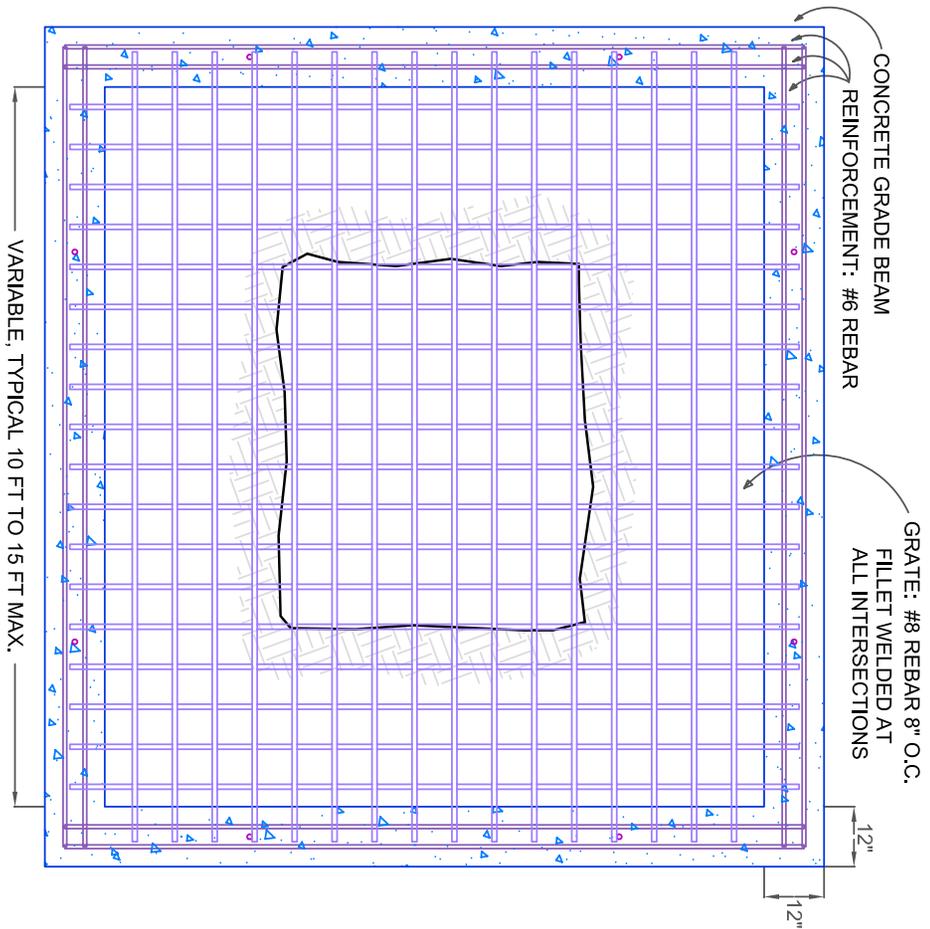
	STATE OF UTAH NATURAL RESOURCES Oil, Gas and Mining Abandoned Mine Reclamation Program	RECLAMATION PROJECT CONSTRUCTION SPECIFICATIONS Chapter 6: DESIGN DRAWINGS	CMP/REBAR CLOSURE	
			Scale: as noted	Design: LAA Drafting: MEM
			Refer to Spec Sections 0250-0254	Drawing 12 of 20



Note: Field dimensions may vary slightly

	STATE OF UTAH NATURAL RESOURCES Oil, Gas and Mining Abandoned Mine Reclamation Program	RECLAMATION PROJECT CONSTRUCTION SPECIFICATIONS Chapter 6: DESIGN DRAWINGS	CMP/REBAR CLOSURE DETAILS	
			Scale: as noted	Design: LAA Drafting: MEM
			Refer to Spec Sections 0250-0254	Drawing 13 of 20

TYPICAL PLAN



TYPICAL SECTION



REBAR SHAFT GRATE CLOSURE

Scale: as noted

Design: LAA Drafting: JCR

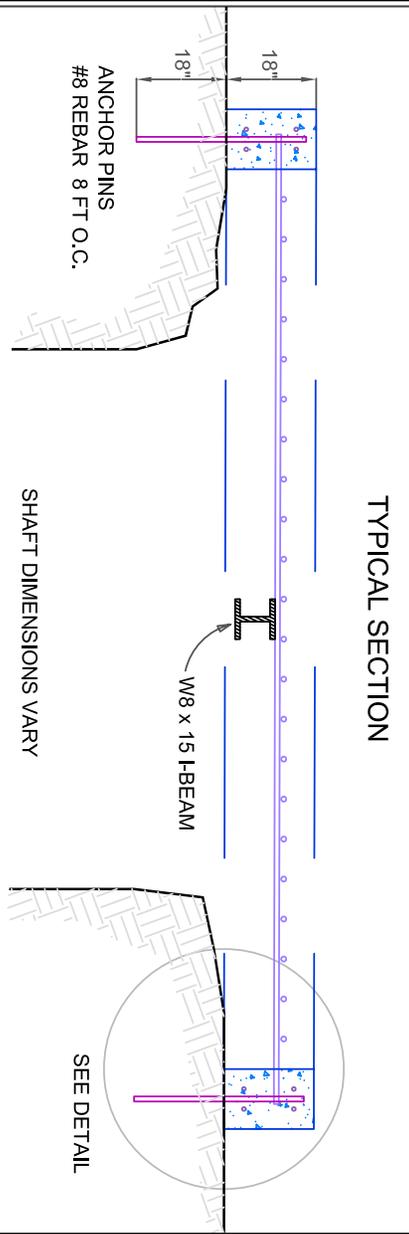
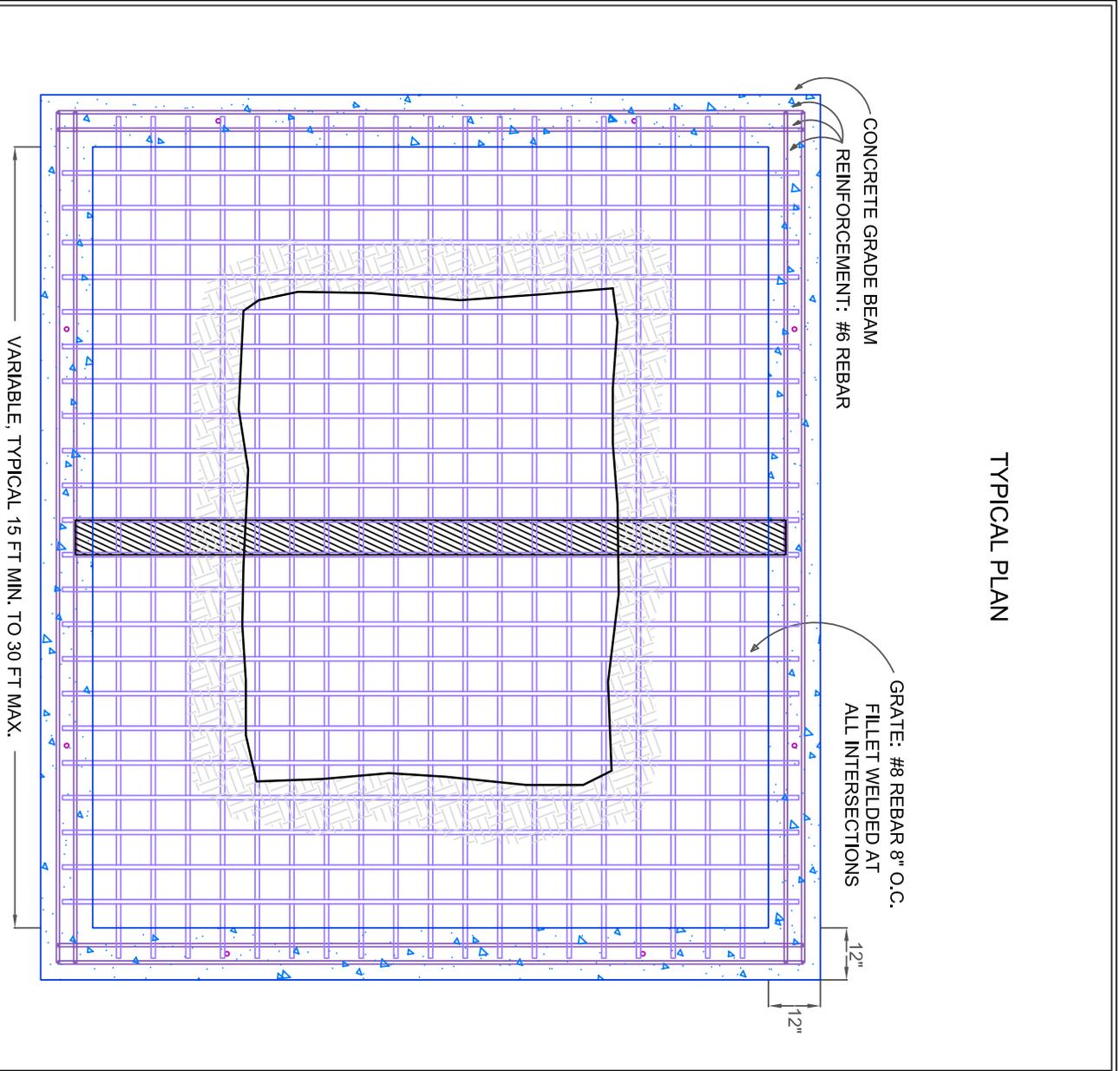
Refer to Spec Sections 0250-0253

Drawing 14 of 20



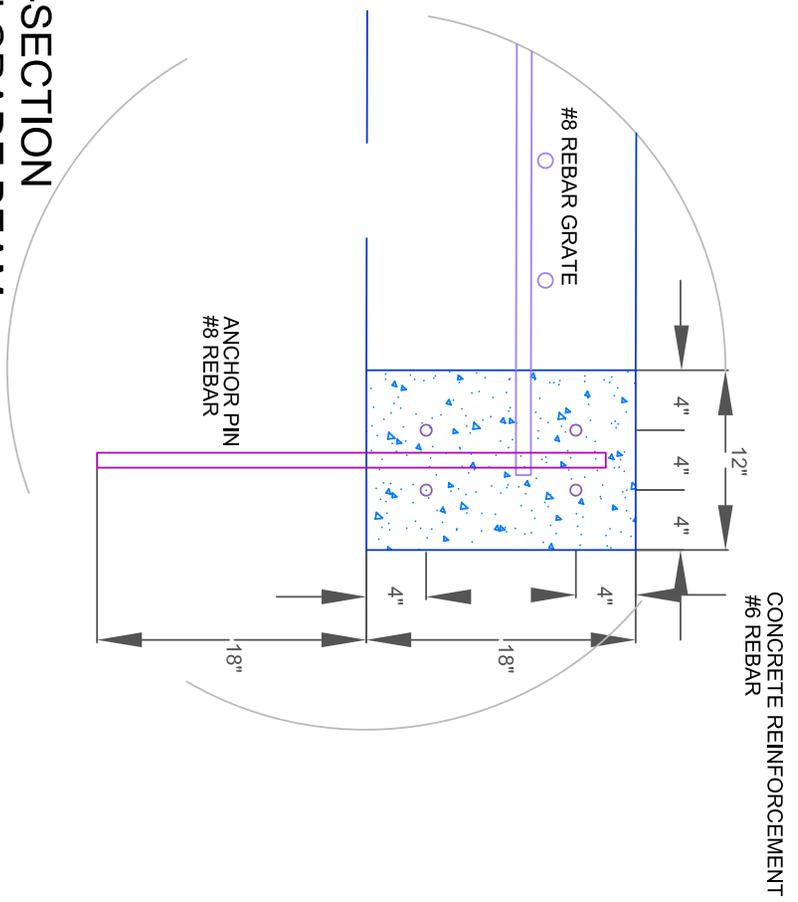
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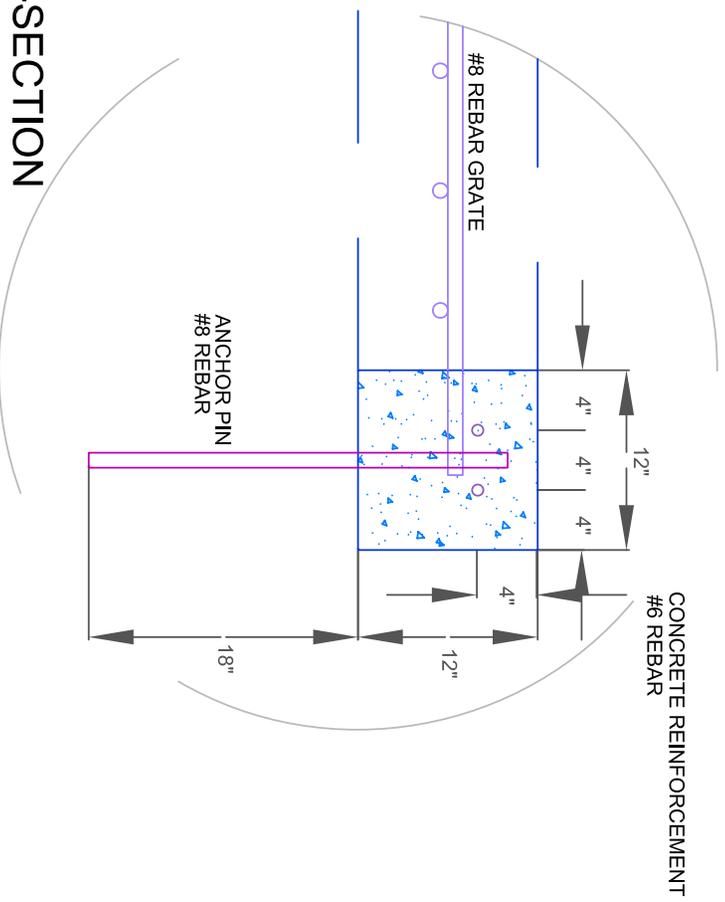


	STATE OF UTAH NATURAL RESOURCES Oil, Gas and Mining Abandoned Mine Reclamation Program	RECLAMATION PROJECT CONSTRUCTION SPECIFICATIONS Chapter 6: DESIGN DRAWINGS	REBAR SHAFT GRATE (WITH I-BEAM)	
			Scale: as noted	Design: LAA Drafting: JCR
			Refer to Spec Sections 0250-0253	Drawing 15 of 20

**CROSS-SECTION
12" x 18" GRADE BEAM**



**CROSS-SECTION
12" x 12" GRADE BEAM**



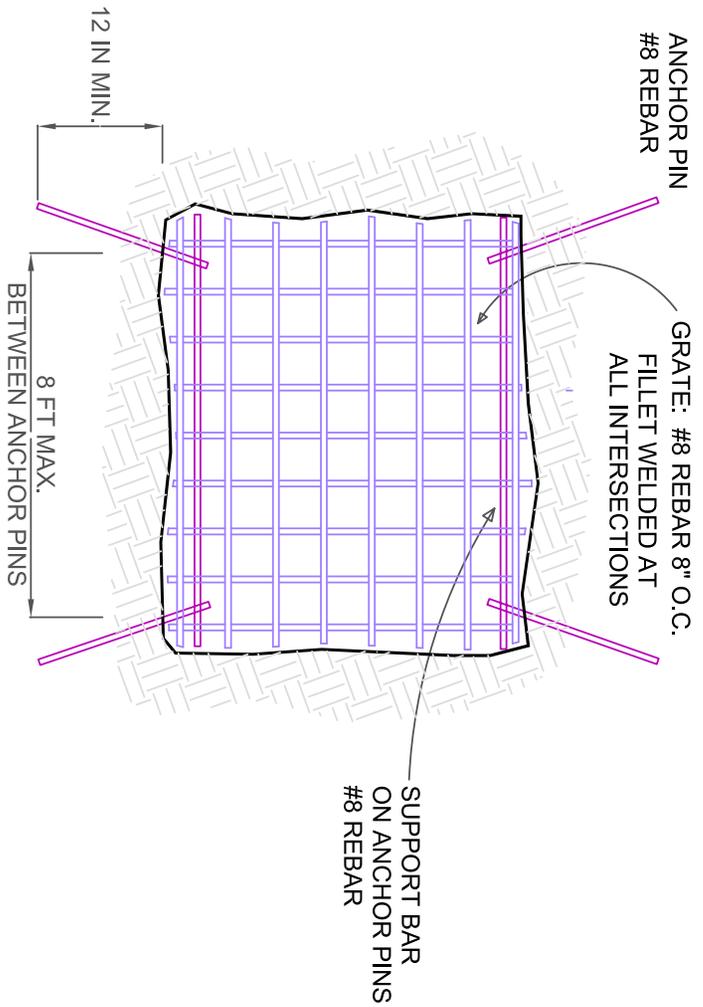
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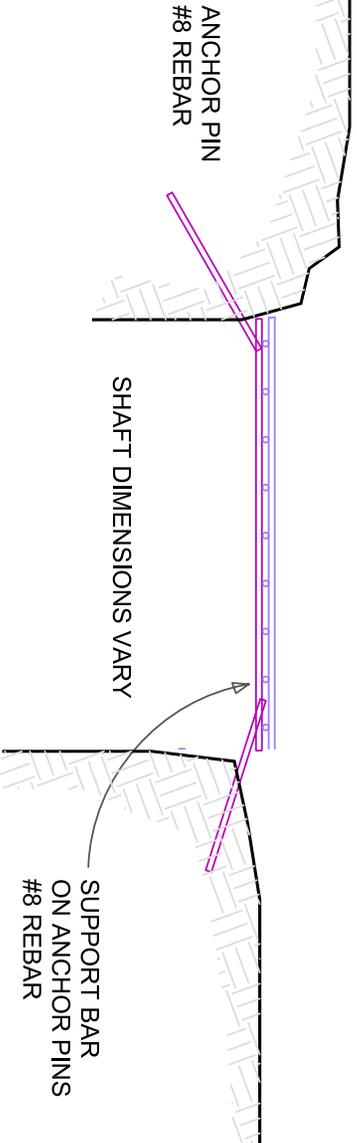
REBAR SHAFT GRATE GRADE BEAM DETAILS

Scale: as noted	Design: LAA Drafting: JCR
Refer to Spec Sections 0250-0253	Drawing 16 of 20

TYPICAL PLAN



TYPICAL SECTION

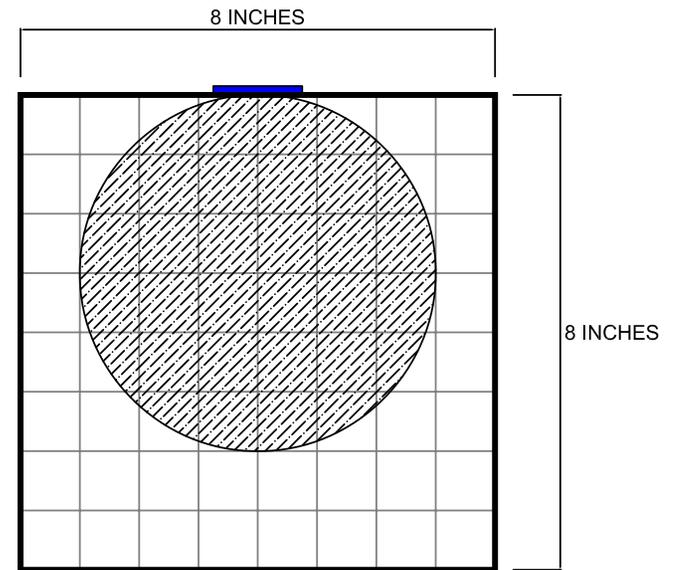
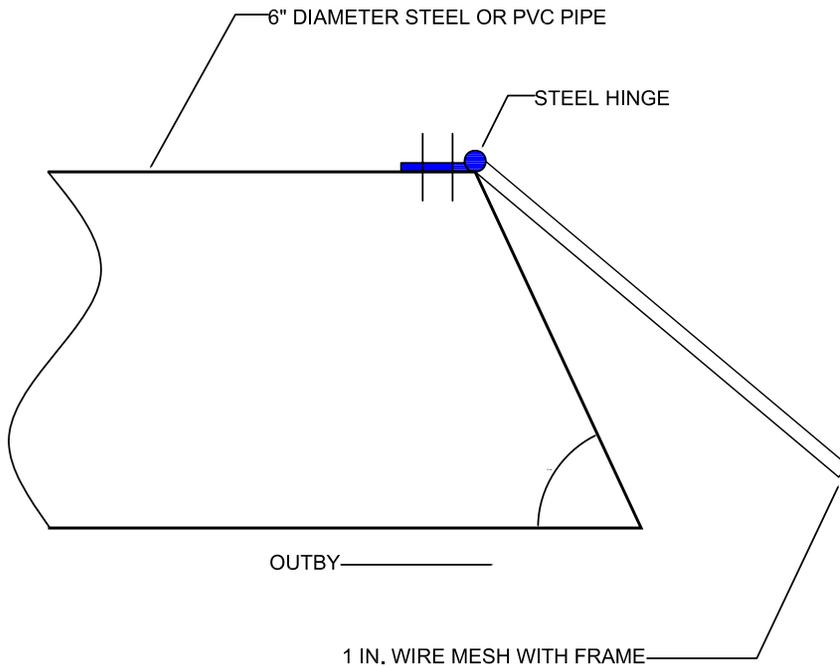


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REBAR SHAFT GRATE (PINNED)

Scale: as noted	Design: LAA Drafting: JCR
Refer to Spec Sections 0250-0253	Drawing 17 of 20



NOTE: STEEL OR PVC PIPE TO EXTEND 12 INCHES
INBY AND OUTBY WALL OR FILL MATERIAL



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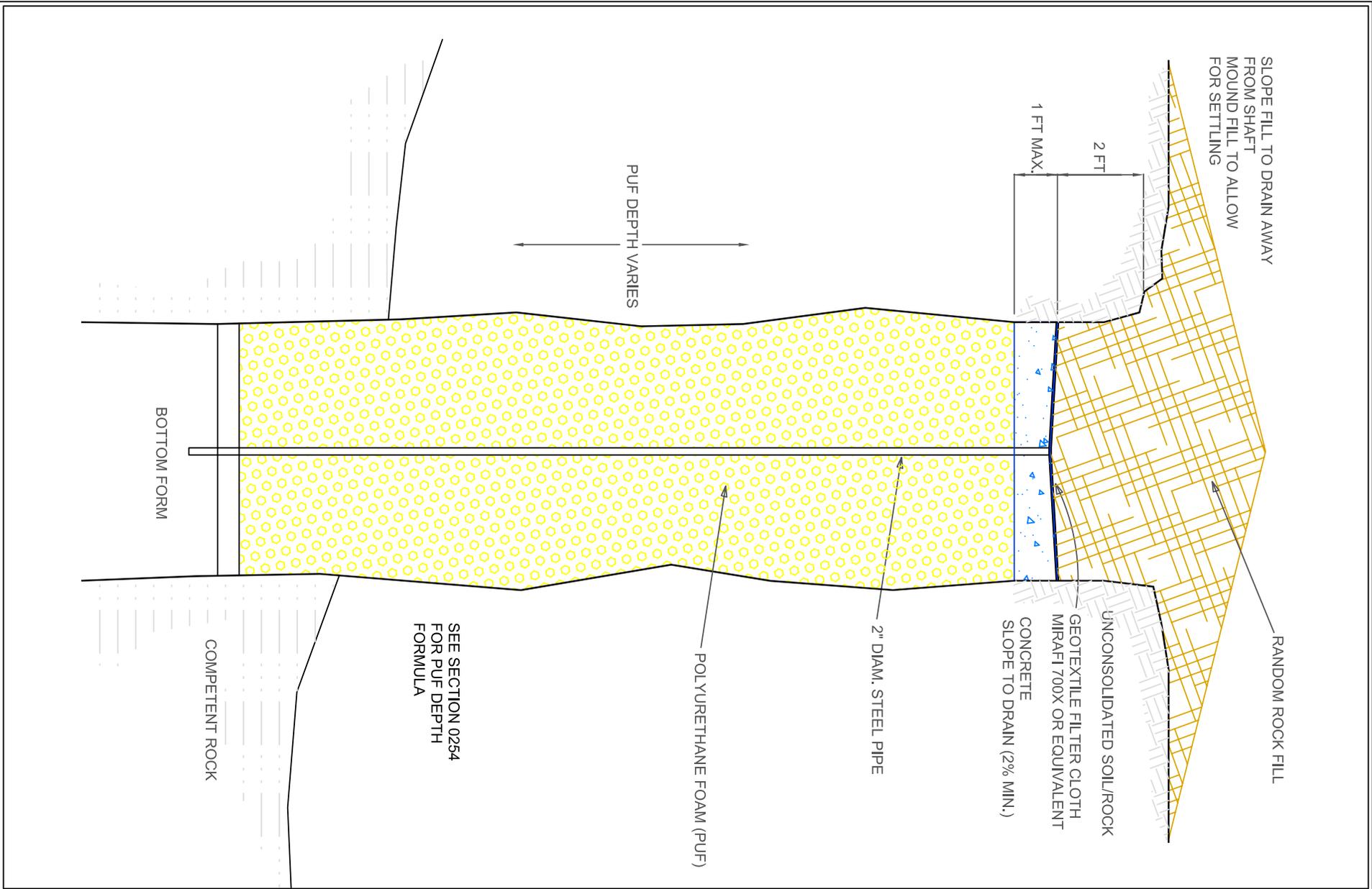
ONE-WAY TRAP DOOR CLOSURE DETAILS

Scale: as noted

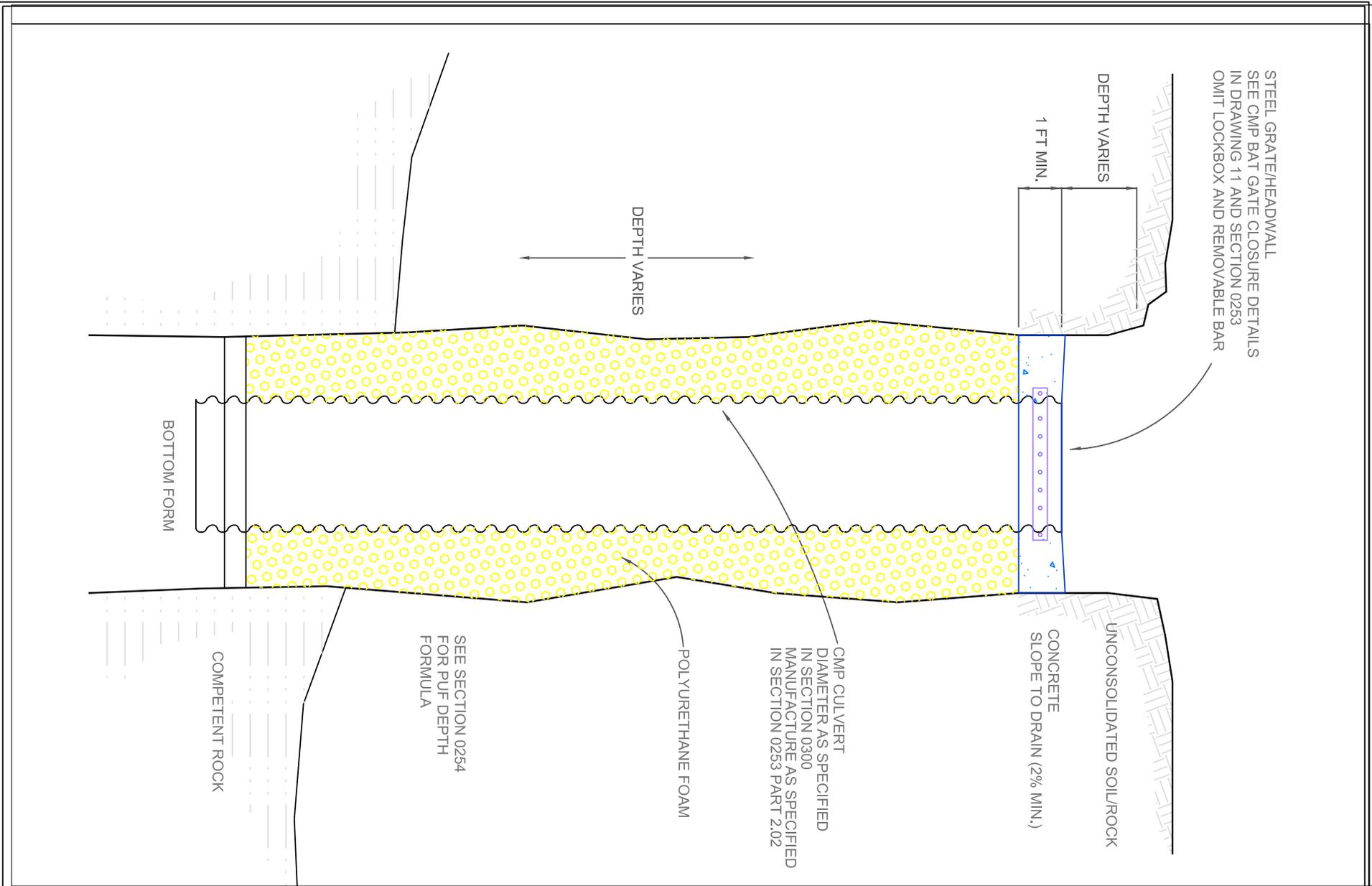
Design: LAA Drafting: DR

Refer to Spec Section 0200's

Drawing 18 of 20



 <p>STATE OF UTAH NATURAL RESOURCES Oil, Gas and Mining Abandoned Mine Reclamation Program</p>	<p>RECLAMATION PROJECT CONSTRUCTION SPECIFICATIONS Chapter 6: DESIGN DRAWINGS</p>	SHAFT PUF CLOSURE (Polyurethane Foam)	
		Scale: as noted	Design: LAA Drafting: JCR
		Refer to Spec Sections 0250-0254	Drawing 19 of 20



 <p>STATE OF UTAH NATURAL RESOURCES Oil, Gas and Mining Abandoned Mine Reclamation Program</p>	<p>RECLAMATION PROJECT CONSTRUCTION SPECIFICATIONS Chapter 6: DESIGN DRAWINGS</p>	<p>SHAFT PUF CLOSURE WITH CMP AND GRATE</p>	
		<p>Scale: as noted</p>	<p>Design: LAA Drafting: JCR</p>
		<p>Refer to Spec Sections 0250-0254</p>	<p>Drawing 20 of 20</p>