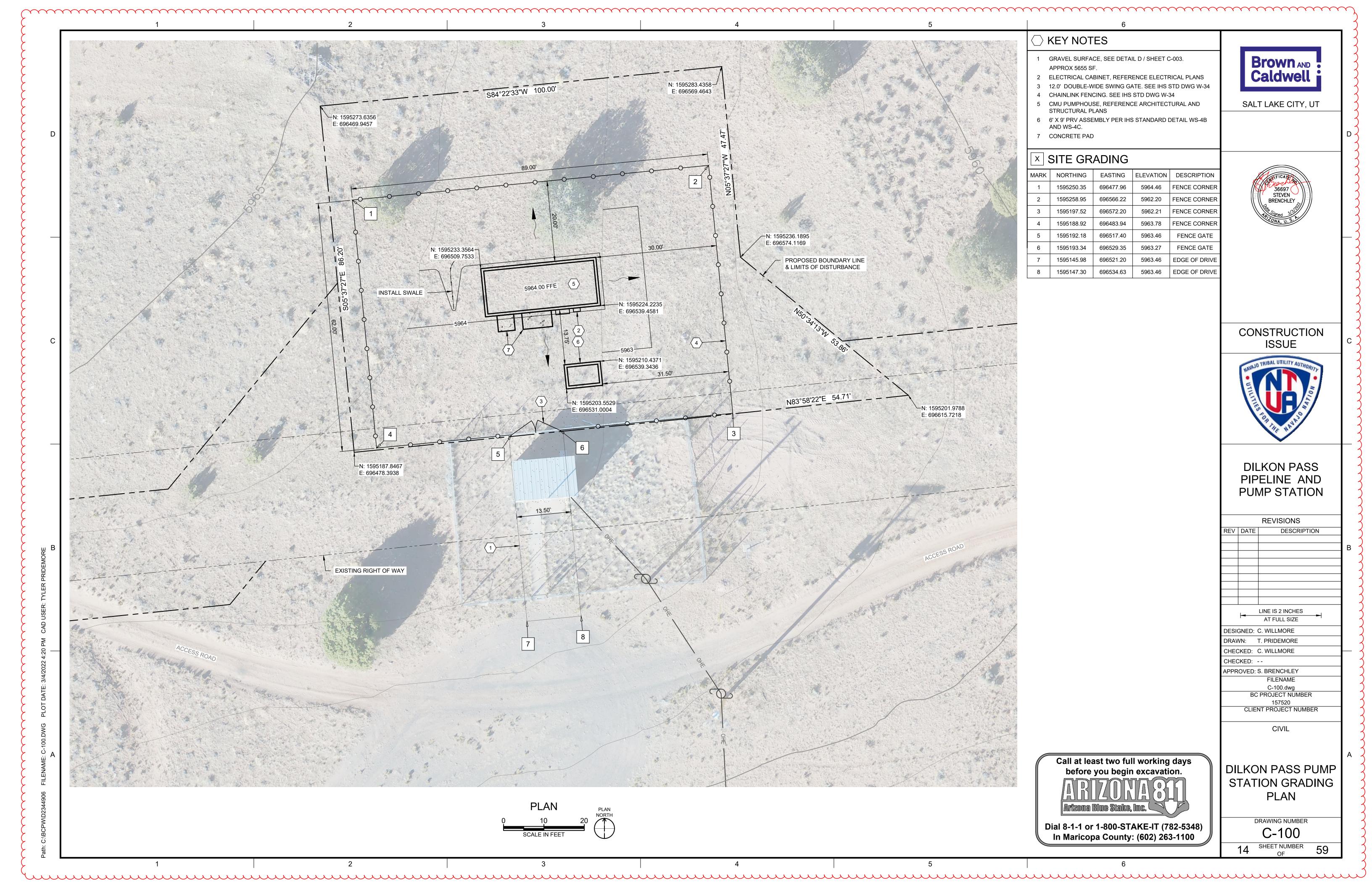
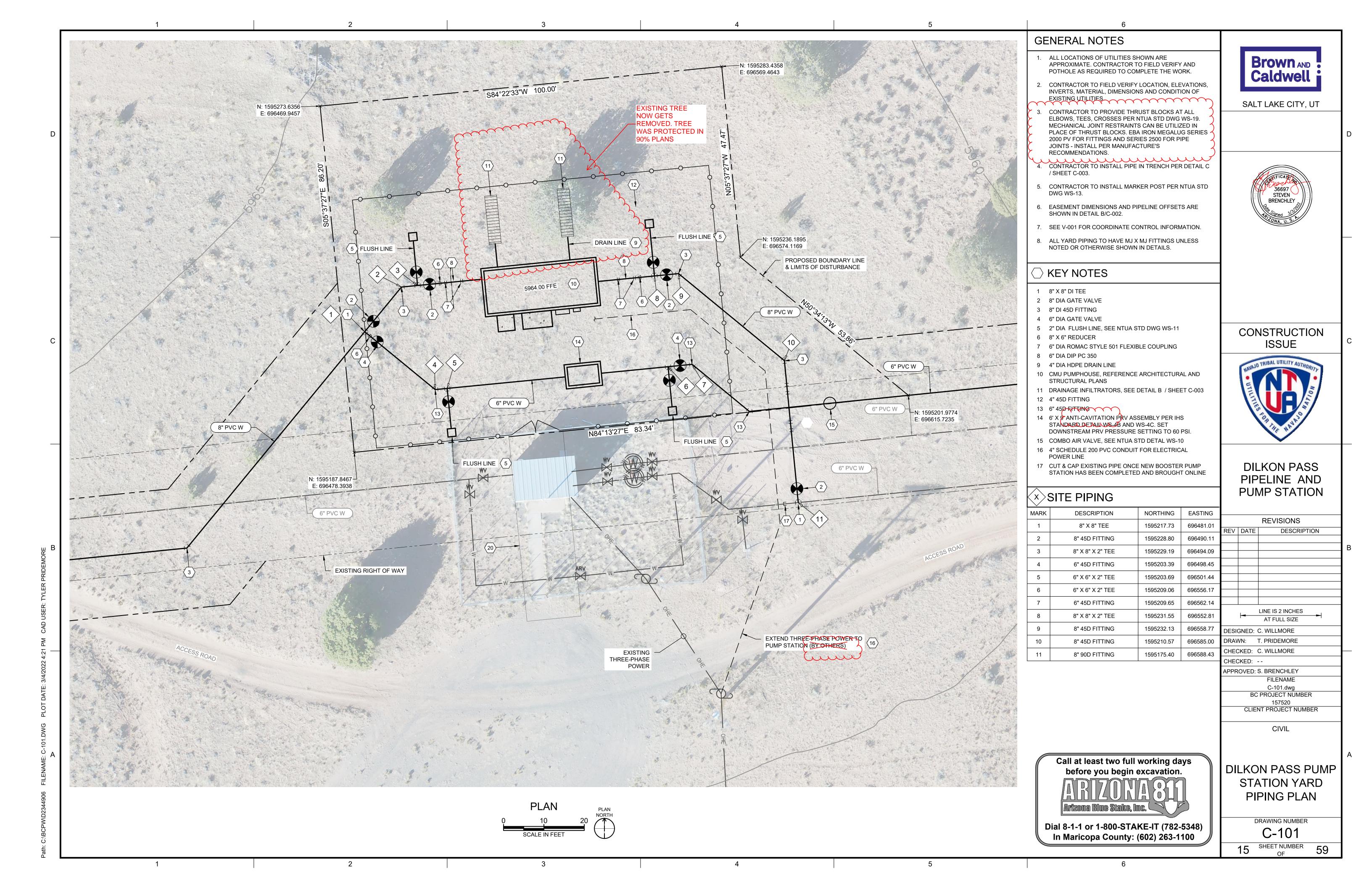
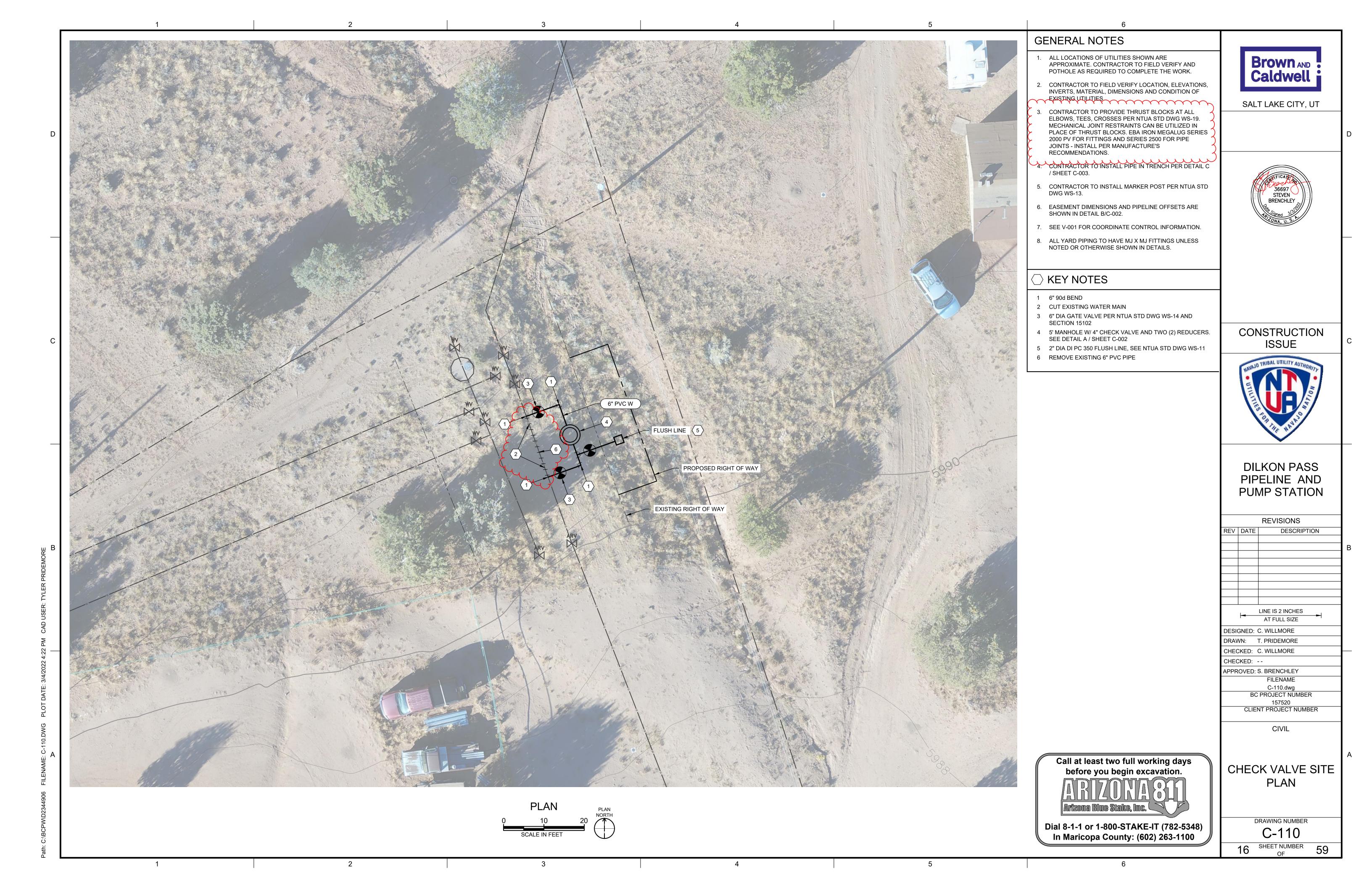
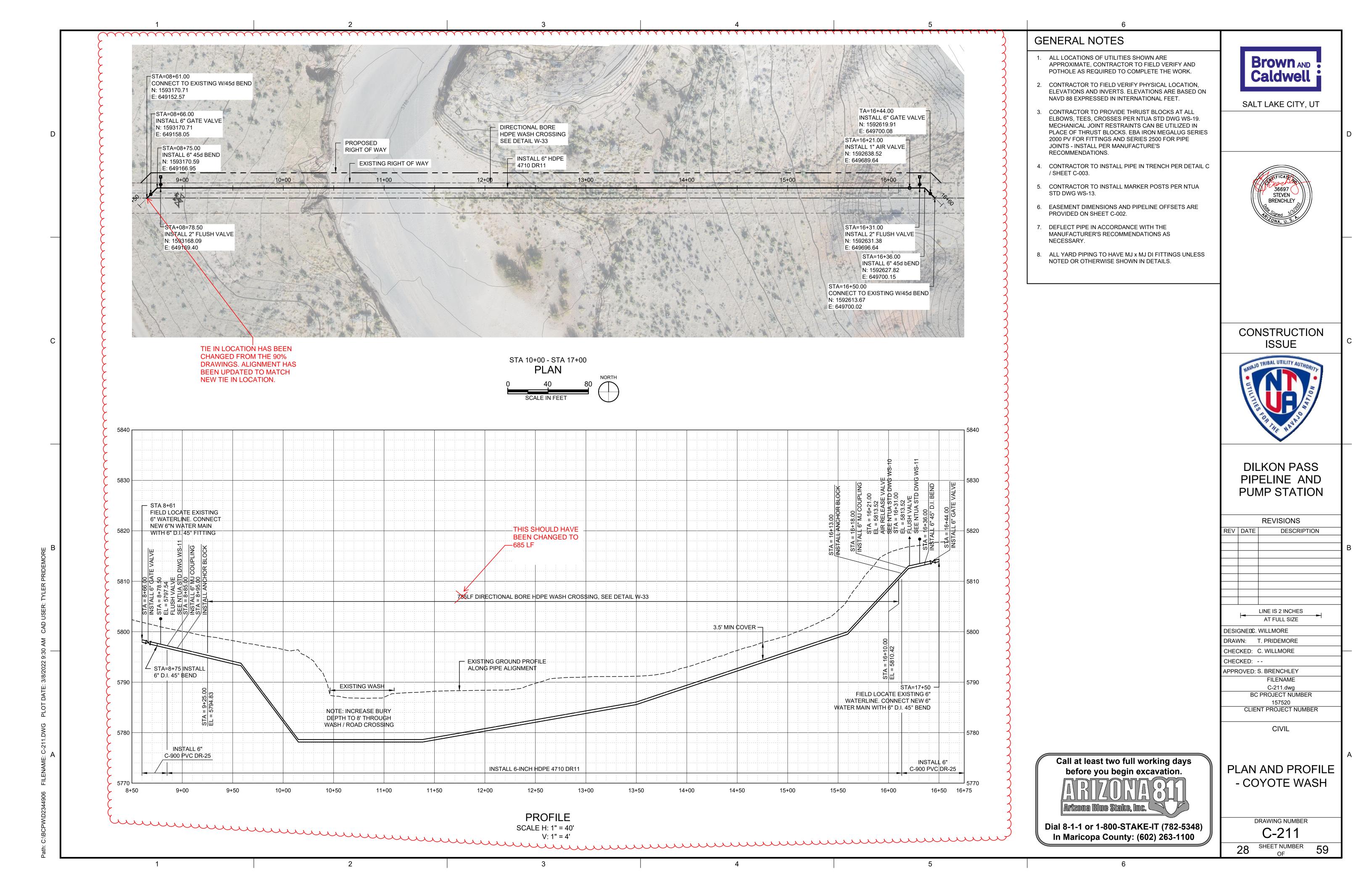


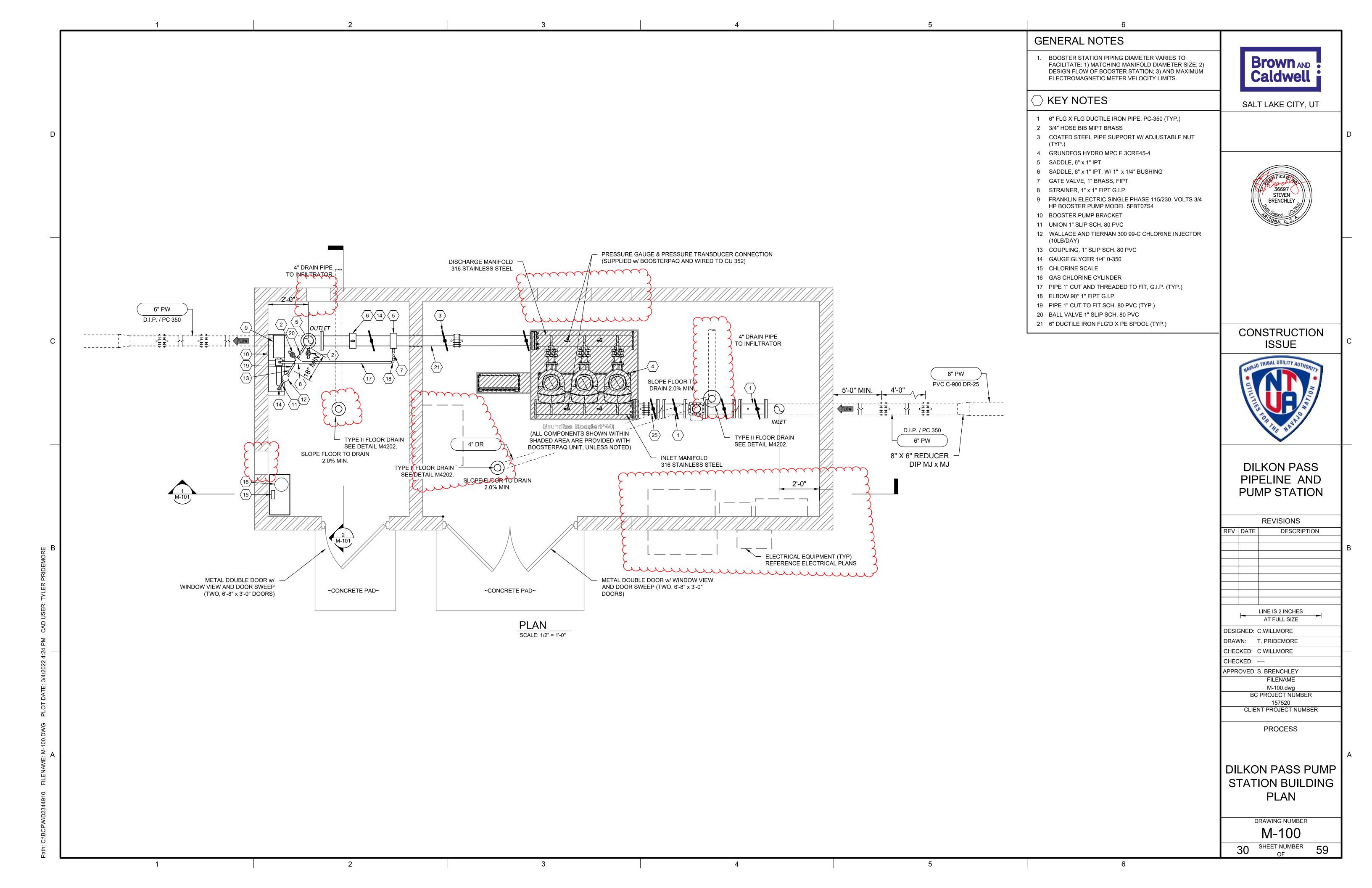
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ESIGNED: C. WILLMORE	1
RAWN: T. PRIDEMORE	
HECKED: C. WILLMORE	_
HECKED:	
PPROVED: S. BRENCHLEY	
FILENAME	
C-003.dwg	_
BC PROJECT NUMBER 157520	
CLIENT PROJECT NUMBER	-
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MISCELLANEOUS	
DETAILS - 2	

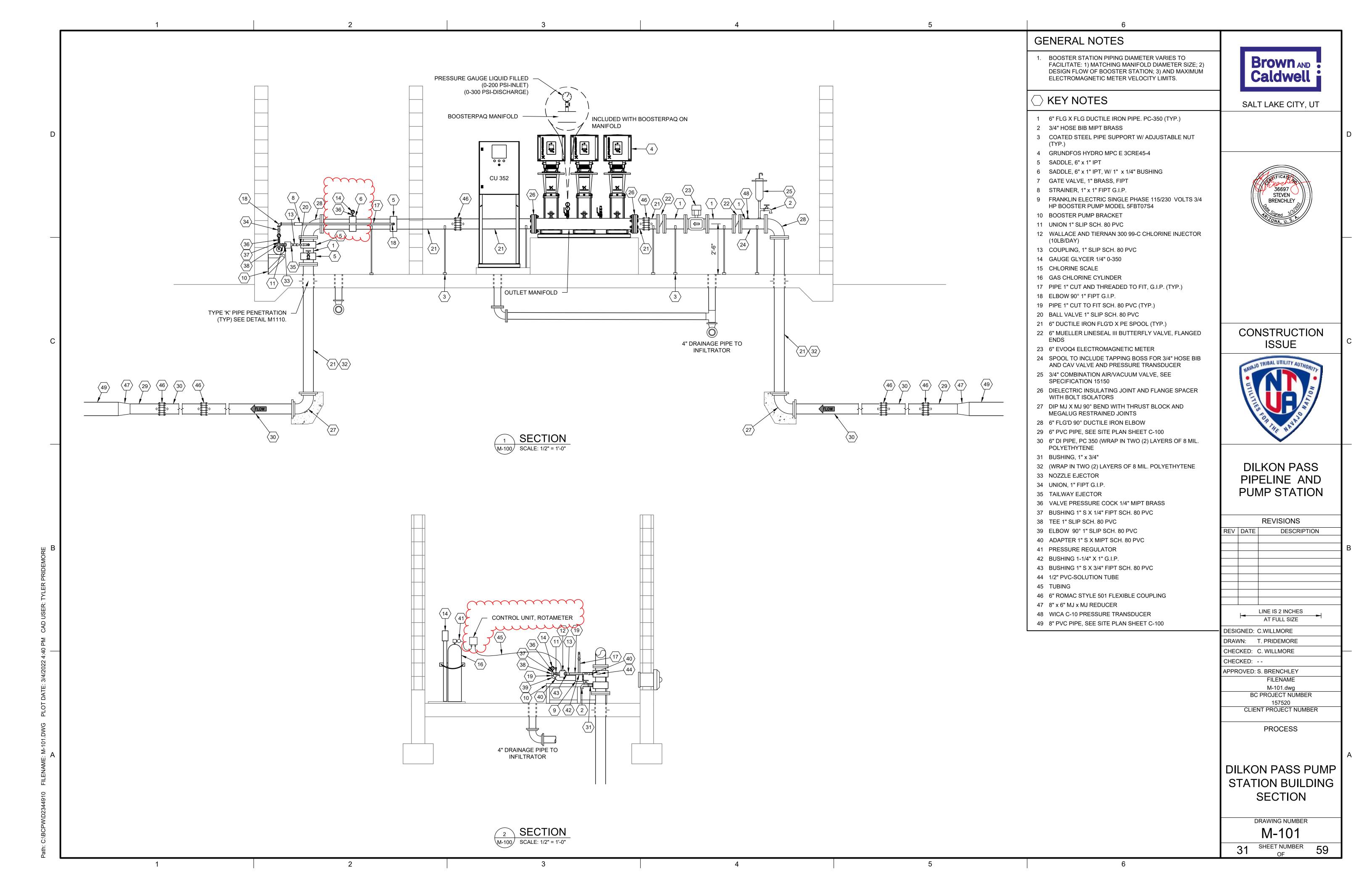












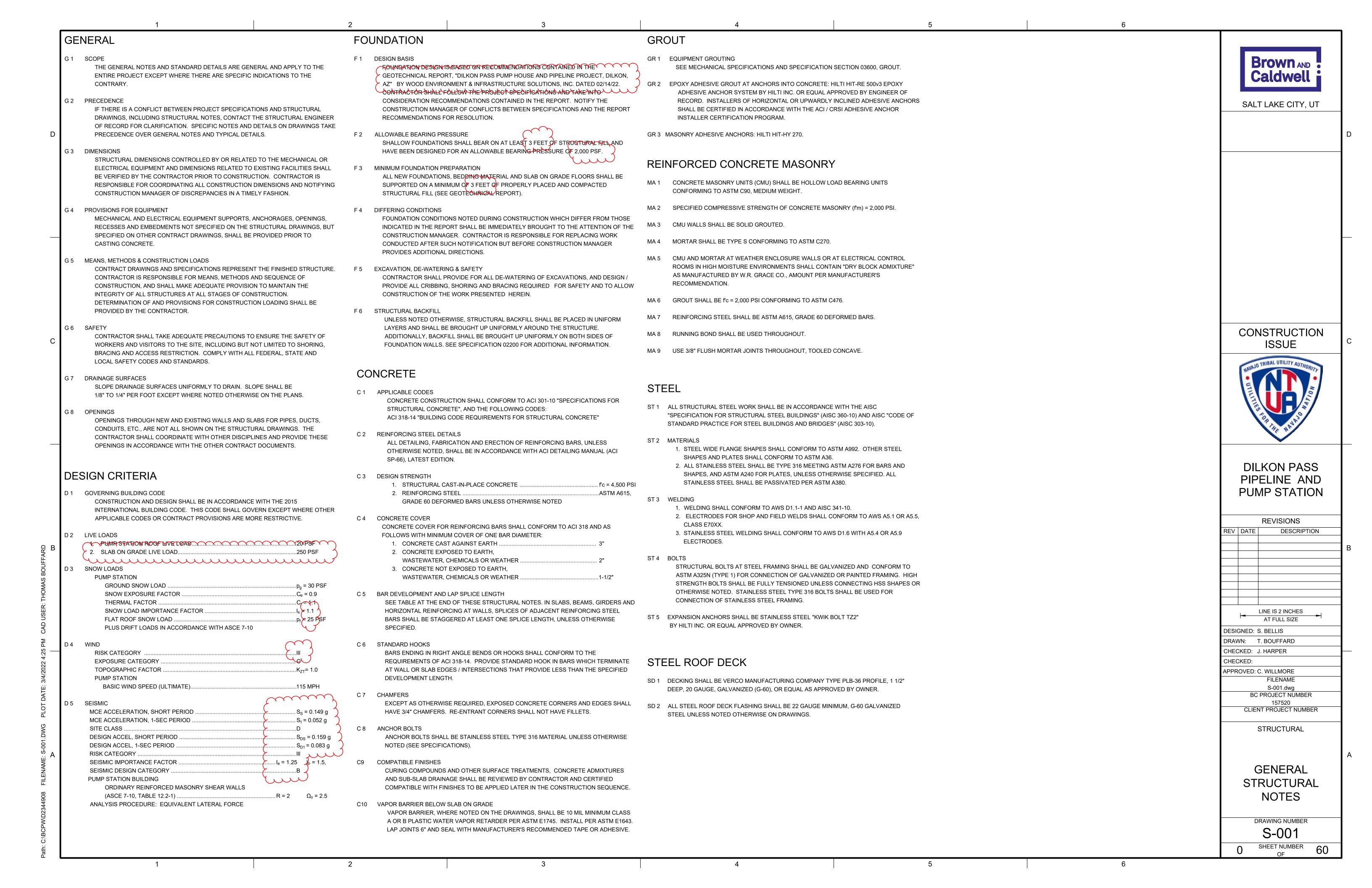


	TABLE 1			
	REQUIRED SPECIAL INSPECTIONS - ST	RUCTURAL	SYSTEMS	
SYSTEM OR MATERIAL	REQUIRED INSPECTION	FREQUENCY OF INSPECTION		REMARKS
		CONTINUOUS	PERIODIC	
	INSPECT INSTALLATION (ATTACHMENT) OF DECKING		Х	
	INSPECT FRAME TO VERIFY THAT BRACING, STIFFENERS, MEMBER LOCATIONS AND JOINT DETAILS COMPLY WITH APPROVED CONSTRUCTION DRAWINGS		Х	
MASONRY	VERIFY PROPORTIONS OF SITE -PREPARED MORTAR AND GROUT		X	AT START OF MASONRY
	VERIFY SPECIFIED TYPE, GRADE AND SIZE OF REINFORCEMENT		X	CONSTRUCTION  CONTRACTOR TO SUBMIT CERTIFIED  MILL TEST REPORTS
	VERIFY MATERIALS FOR MASONRY UNITS, MORTAR, GROUT, ANCHORS, TIES AND ACCESSORIES		Х	CONTRACTOR TO SUBMIT MANUFACTURER'S CERTIFIED COMPLIANCE REPORTS
	VERIFY TYPE, SIZE, LOCATION AND INSTALLATION OF EMBEDDED CONNECTORS AND ANCHORS		Х	
	VERIFY SIZE AND LOCATION OF STRUCTURAL ELEMENTS		Х	
	VERIFY TYPE, SIZE AND LOCATION OF ANCHORAGE OF MASONRY TO OTHER CONSTRUCTION		Х	
	VERIFY PROTECTION PROVISIONS FOR COLD AND HOT WEATHER MASONRY CONSTRUCTION		Х	
	PLACEMENT OF MASONRY UNITS AND CONSTRUCTION OF MORTAR JOINTS		Х	
	REINFORCING STEEL PLACEMENT		Х	
	VERIFY GROUT SPACE IS CLEAN		Х	
	VERIFY PROPORTIONS OF GROUT; USE OF REQUIRED GROUT MIX DESIGN		Х	
	OBSERVE GROUT PLACEMENT	Х		
	OBSERVE PREPARATION OF ANY GROUT OR MORTAR SPECIMENS AND/OR PRISMS	Х		CONTINUOUS DURING PREPARATION OF SAMPLES

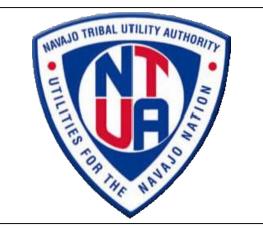
#### QUALITY ASSURANCE NOTES

- 1. THE QUALITY OF THE WORKMANSHIP AND THE QUALITY OF THE MATERIALS OF CONSTRUCTION ARE GOVERNED BY THE INTERNATIONAL BUILDING CODE, 2015 EDITION (IBC).
- 2. ALL NEW STRUCTURES AND MODIFICATIONS TO EXISTING STRUCTURES TO BE CONSTRUCTED AS A PART OF THIS PROJECT ARE CLASSIFIED AS RISK CATEGORY III IN ACCORDANCE WITH THE IBC. THE STRUCTURES ARE CLASSIFIED AS SEISMIC DESIGN CATEGORY B.
- 3. TO ASSURE THE QUALITY OF THE CONSTRUCTION OF THIS PROJECT, STRUCTURAL TESTS, SPECIAL INSPECTION AND STRUCTURAL OBSERVATION WILL BE PERFORMED IN ACCORDANCE WITH IBC, CHAPTER 17.
- 4. WHERE FREQUENCY OF INSPECTION IS SPECIFIED TO BE CONTINUOUS, THE SPECIAL INSPECTOR IS EXPECTED TO BE PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED AND PROVIDING FULL-TIME OBSERVATION OF THE WORK REQUIRING SPECIAL INSPECTION.
- 5. WHERE FREQUENCY OF INSPECTION IS SPECIFIED TO BE PERIODIC, THE SPECIAL INSPECTOR IS EXPECTED TO BE PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK (PRIOR TO THE NEXT CONSTRUCTION TASK).
- 6. SPECIAL INSPECTIONS ARE IN ADDITION TO INSPECTIONS BY THE BUILDING OFFICIALS. CONSTRUCTION IS SUBJECT TO INSPECTION BY THE BUILDING OFFICIAL. COORDINATE WITH BUILDING DEPARTMENT TO DETERMINE REQUIRED INSPECTIONS.
- 7. CONTRACTOR SHALL PROVIDE ACCESS TO THE WORK FOR REQUIRED INSPECTIONS. CONTRACTOR SHALL PROVIDE NOTIFICATION IN ADVANCE OF REQUIRED INSPECTIONS, TESTING AND STRUCTURAL OBSERVATIONS.



SALT LAKE CITY, UT

CONSTRUCTION **ISSUE** 



**DILKON PASS** PIPELINE AND **PUMP STATION** 

REVISIONS

DESCRIPTION

REV DATE

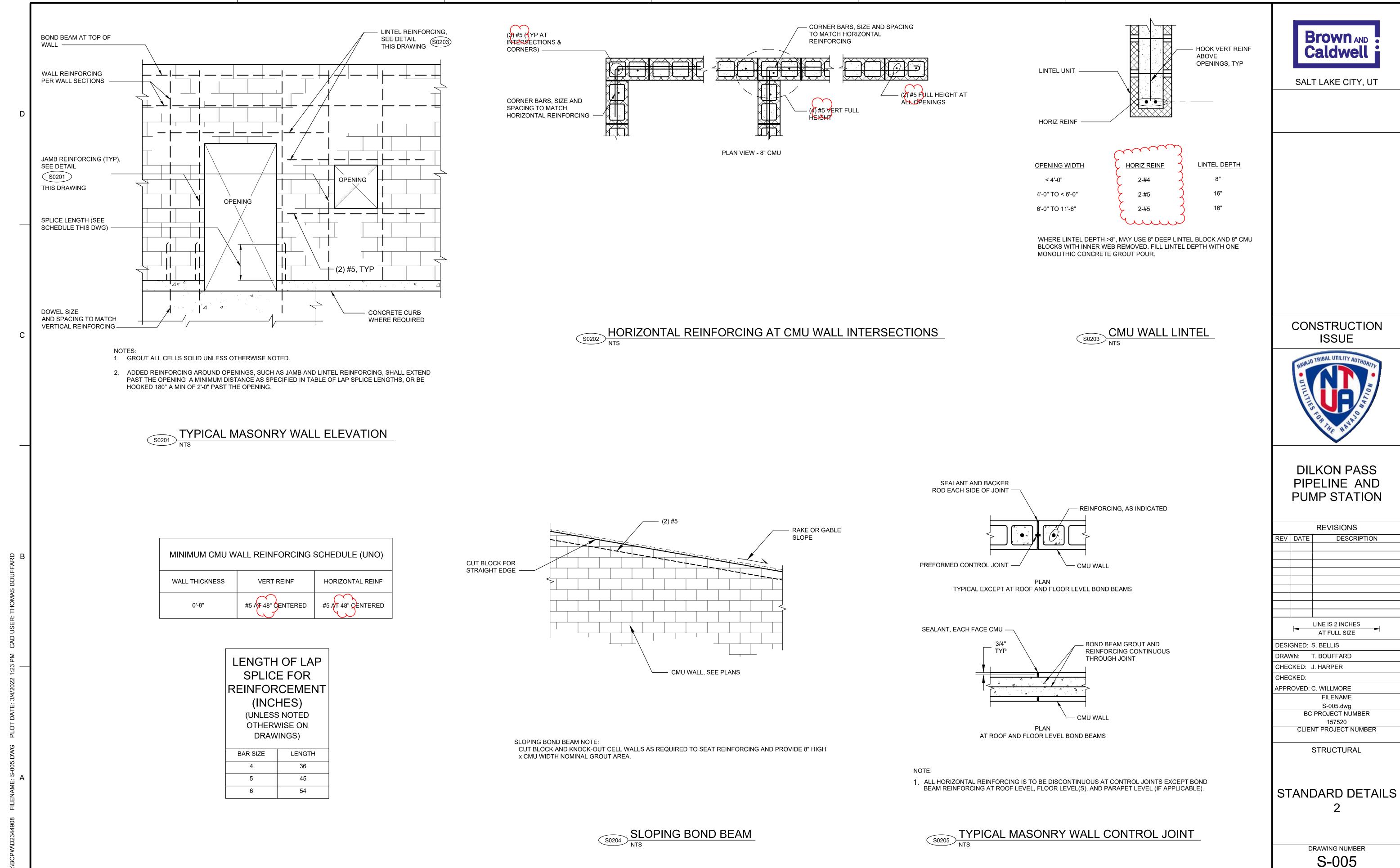
	_	LINE IS 2 INCH	IES
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DESIG	NED:	S. BELLIS	
DRAW	'N:	T. BOUFFARD	
CHEC	KED: 、	J. HARPER	
CHEC	KED:		
APPRO	OVED:	C. WILLMORE	
		FILENAME	
		S-002.dwg	
	ВС	PROJECT NU	MBER
		157520	
	CLIE	NT PROJECT I	NUMBER

SPECIAL **INSPECTIONS** 1

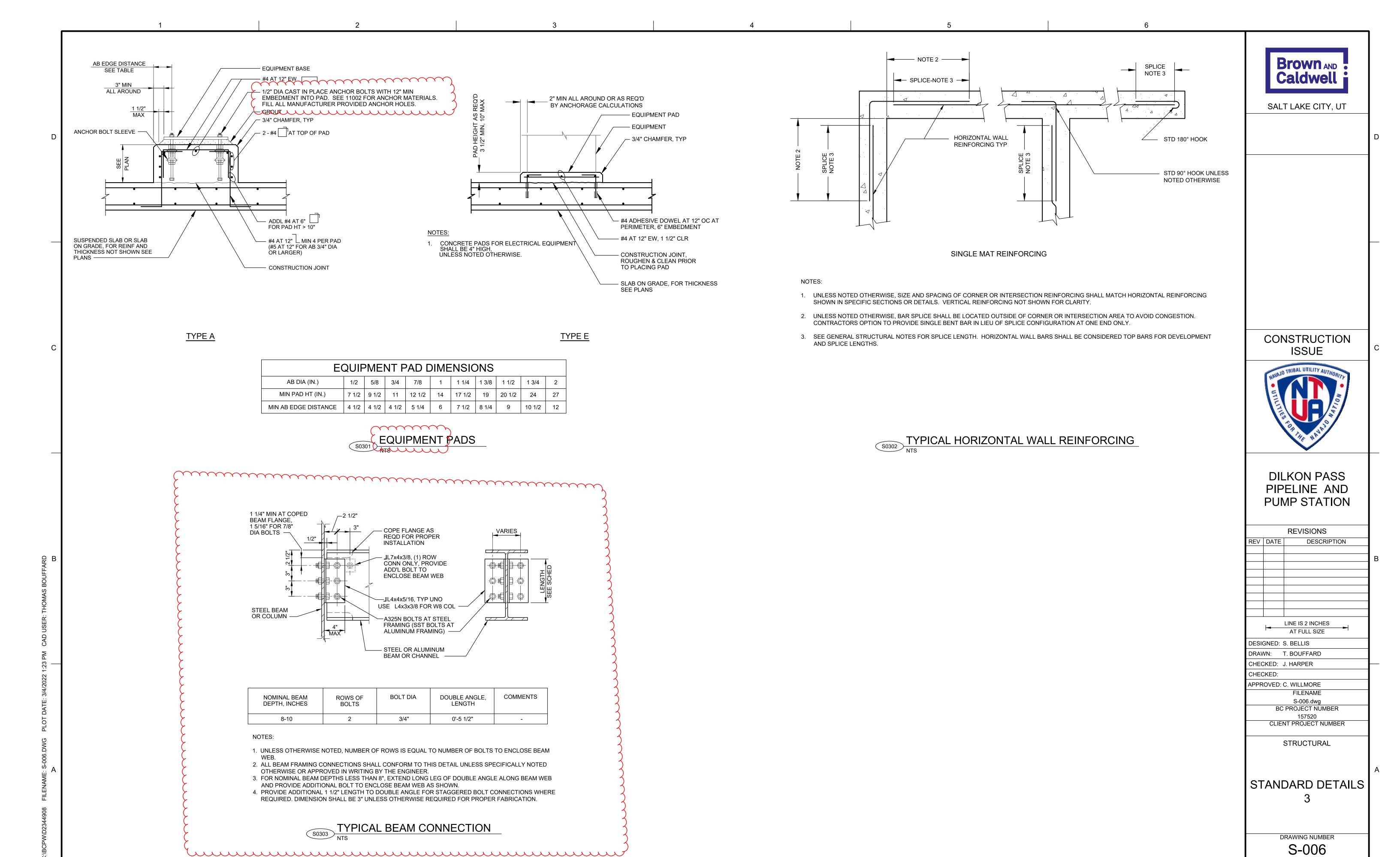
STRUCTURAL

S-002 SHEET NUMBER

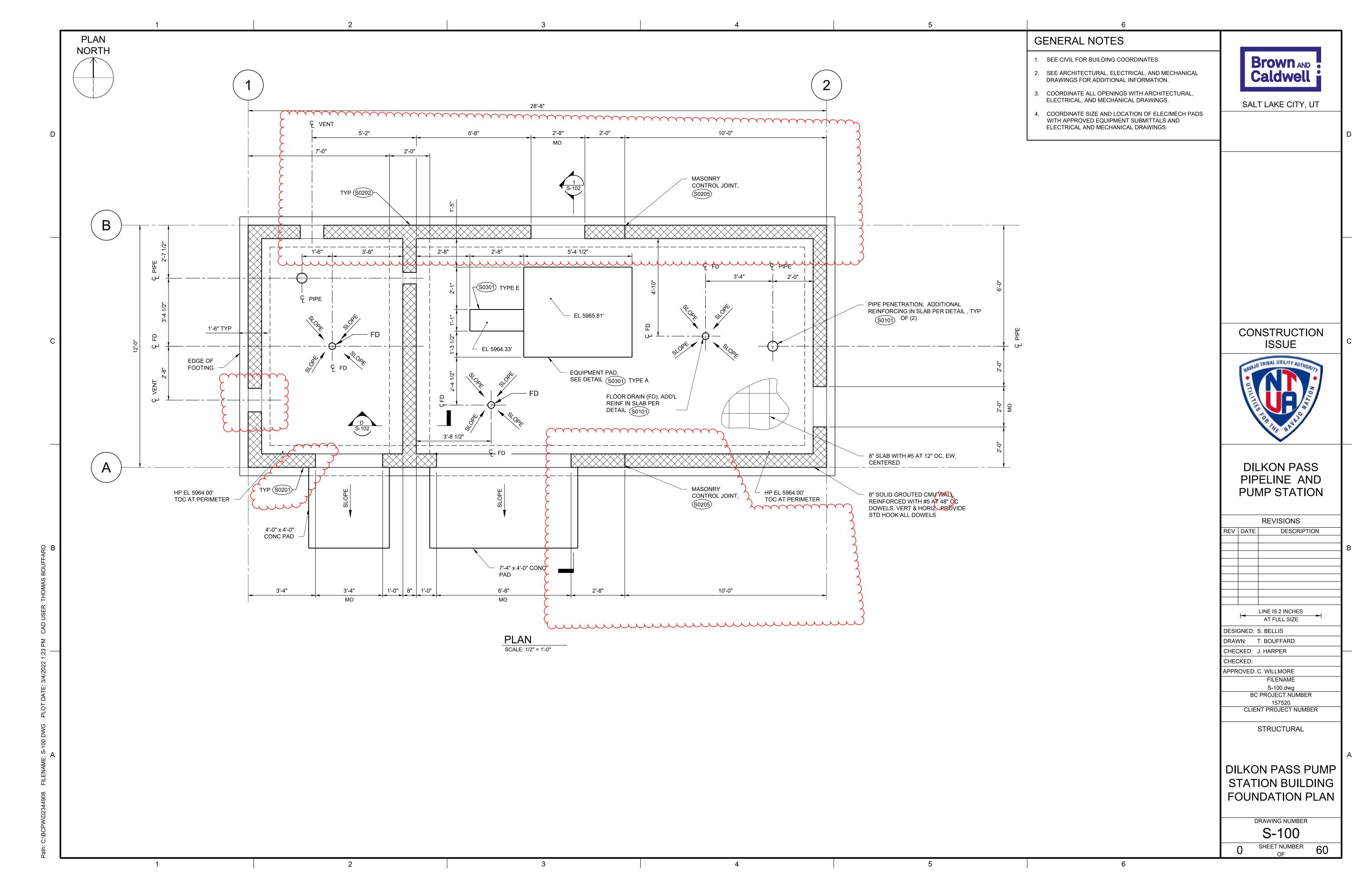
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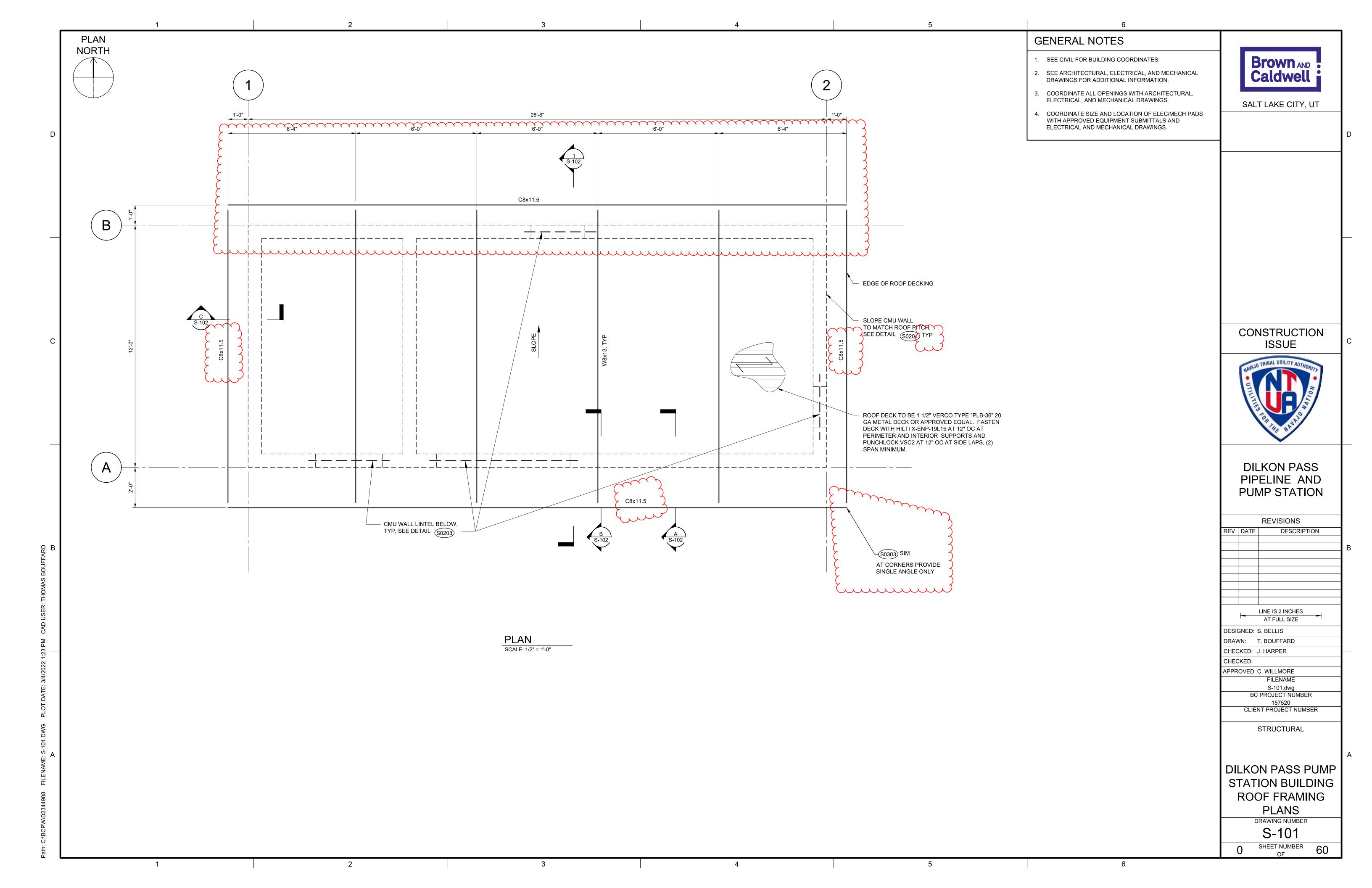


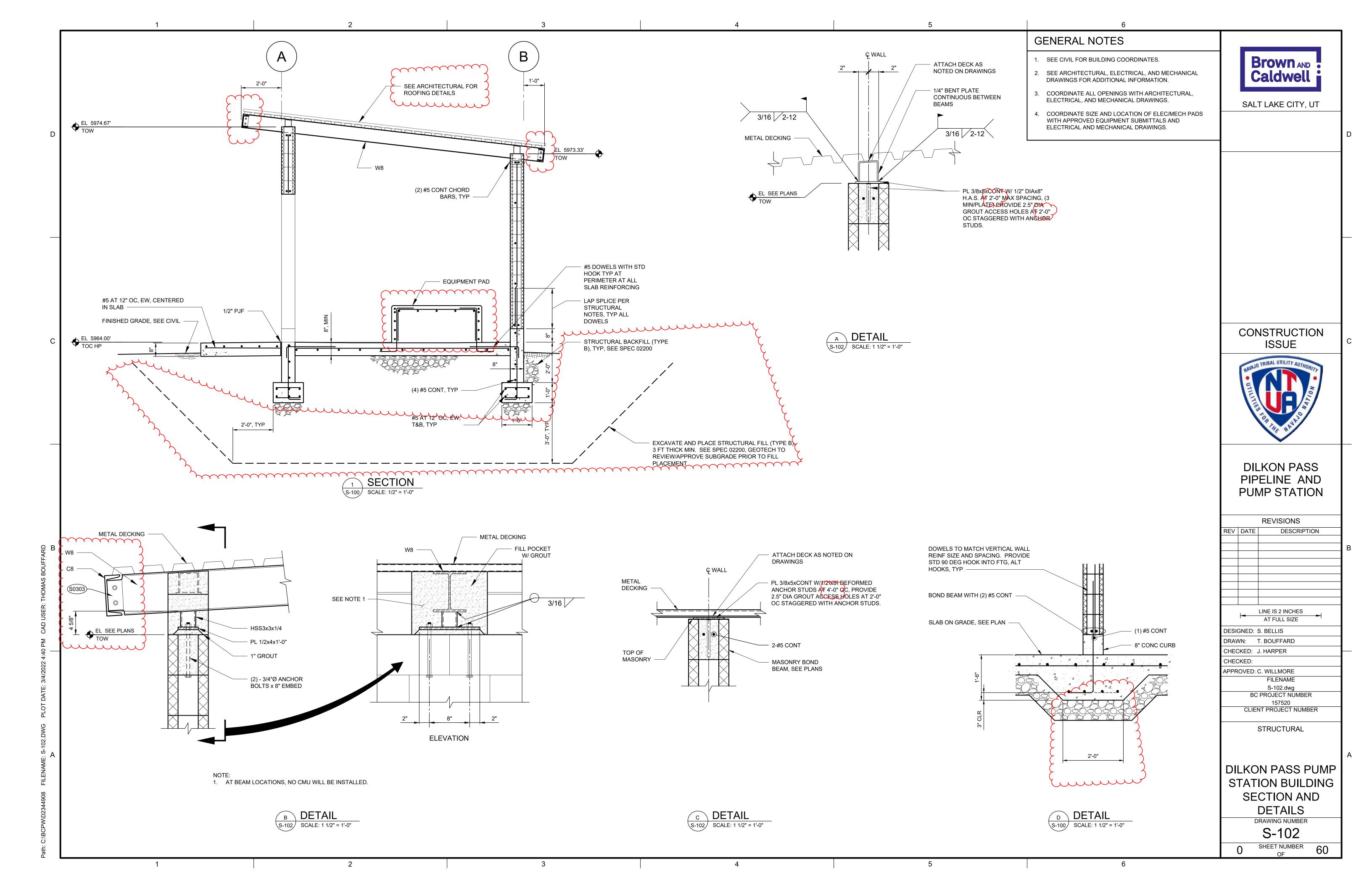
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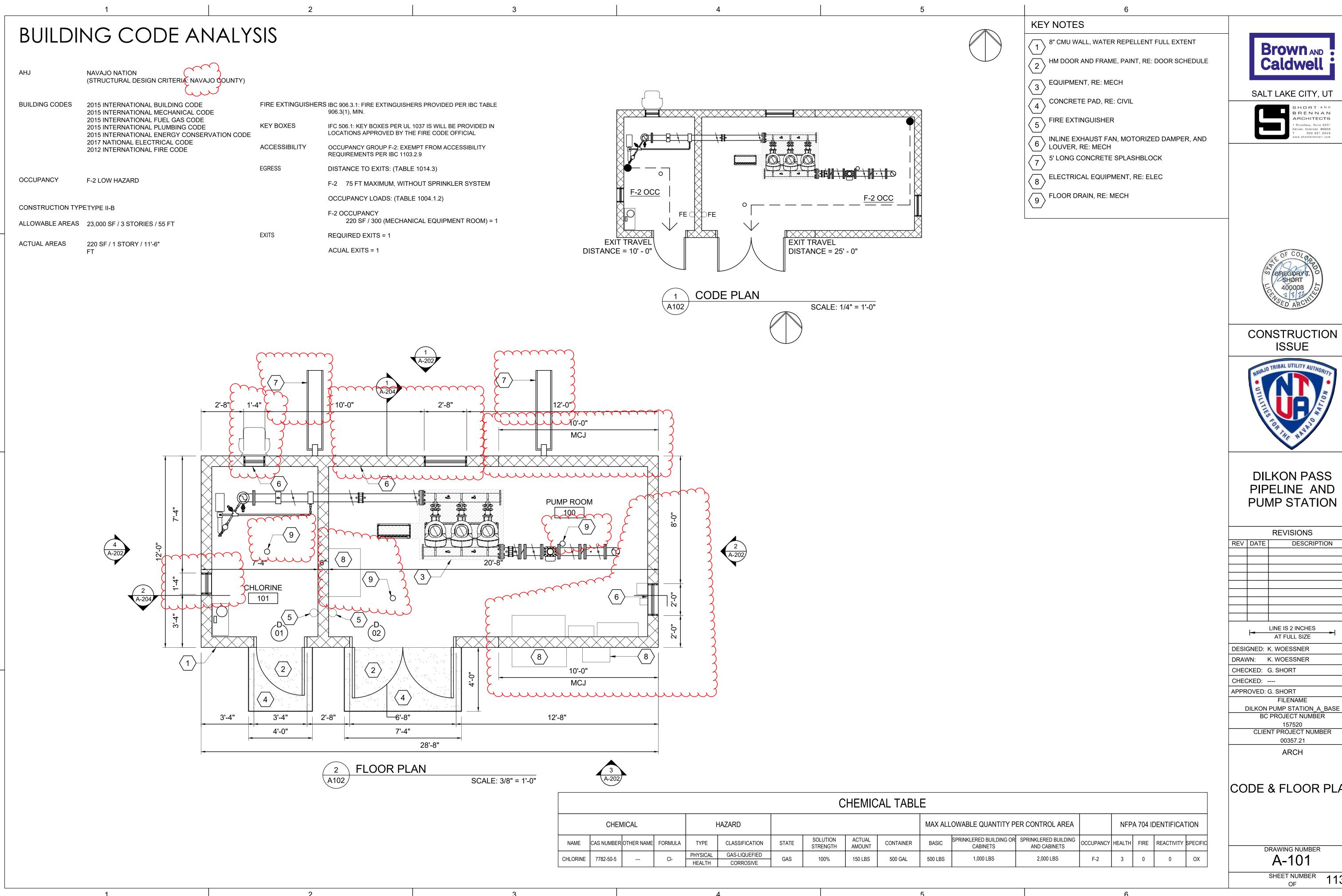


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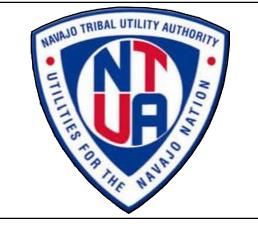




**Brown** AND Caldwell

SALT LAKE CITY, UT

#### CONSTRUCTION ISSUE



### **DILKON PASS** PIPELINE AND **PUMP STATION**

		REVISIONS
REV	DATE	DESCRIPTION
		LINE IS 2 INCHES
	-	AT FULL SIZE
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DRAWN: K. WOESSNER

APPROVED: G. SHORT

BC PROJECT NUMBER

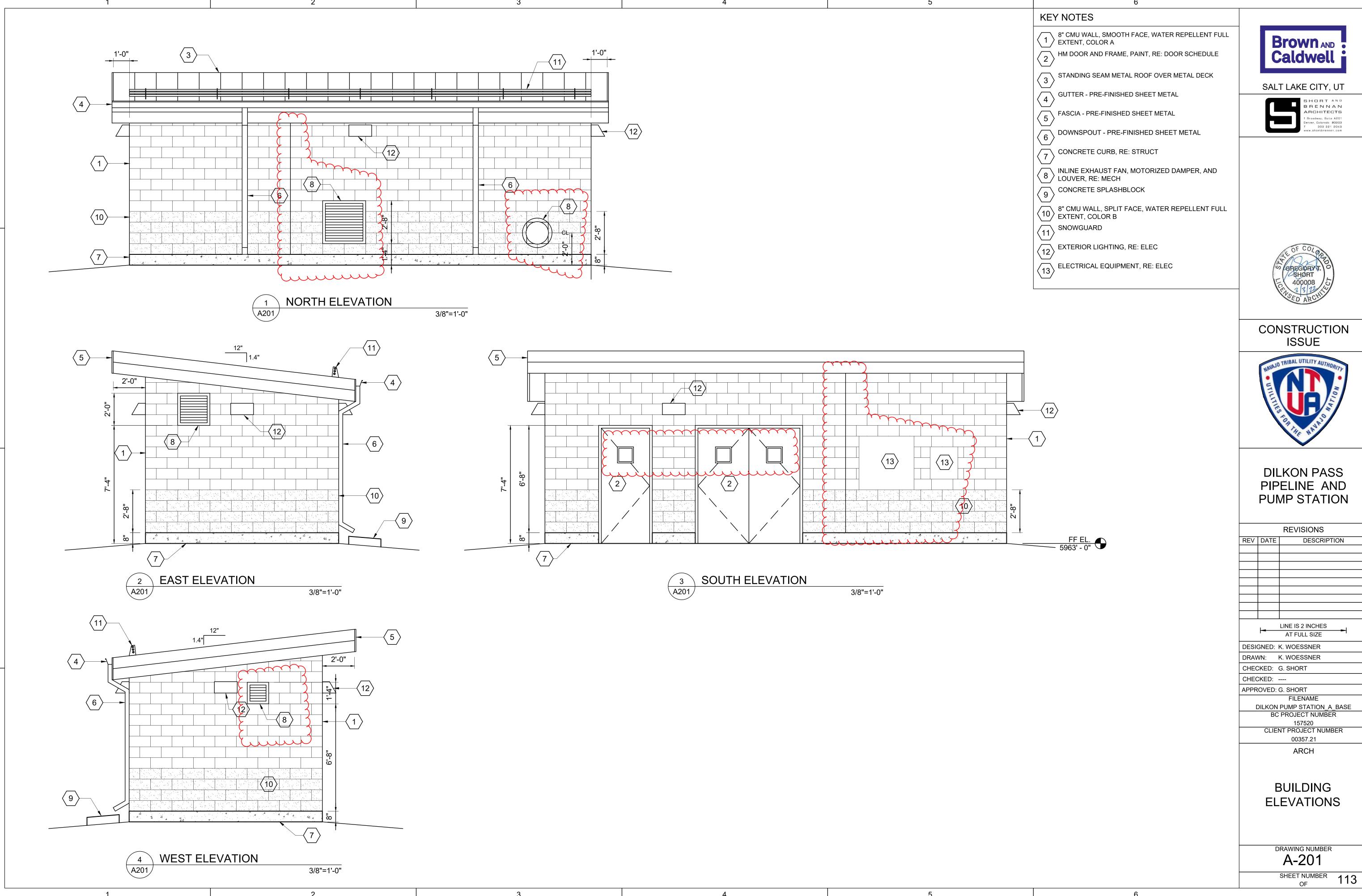
CLIENT PROJECT NUMBER

00357.21

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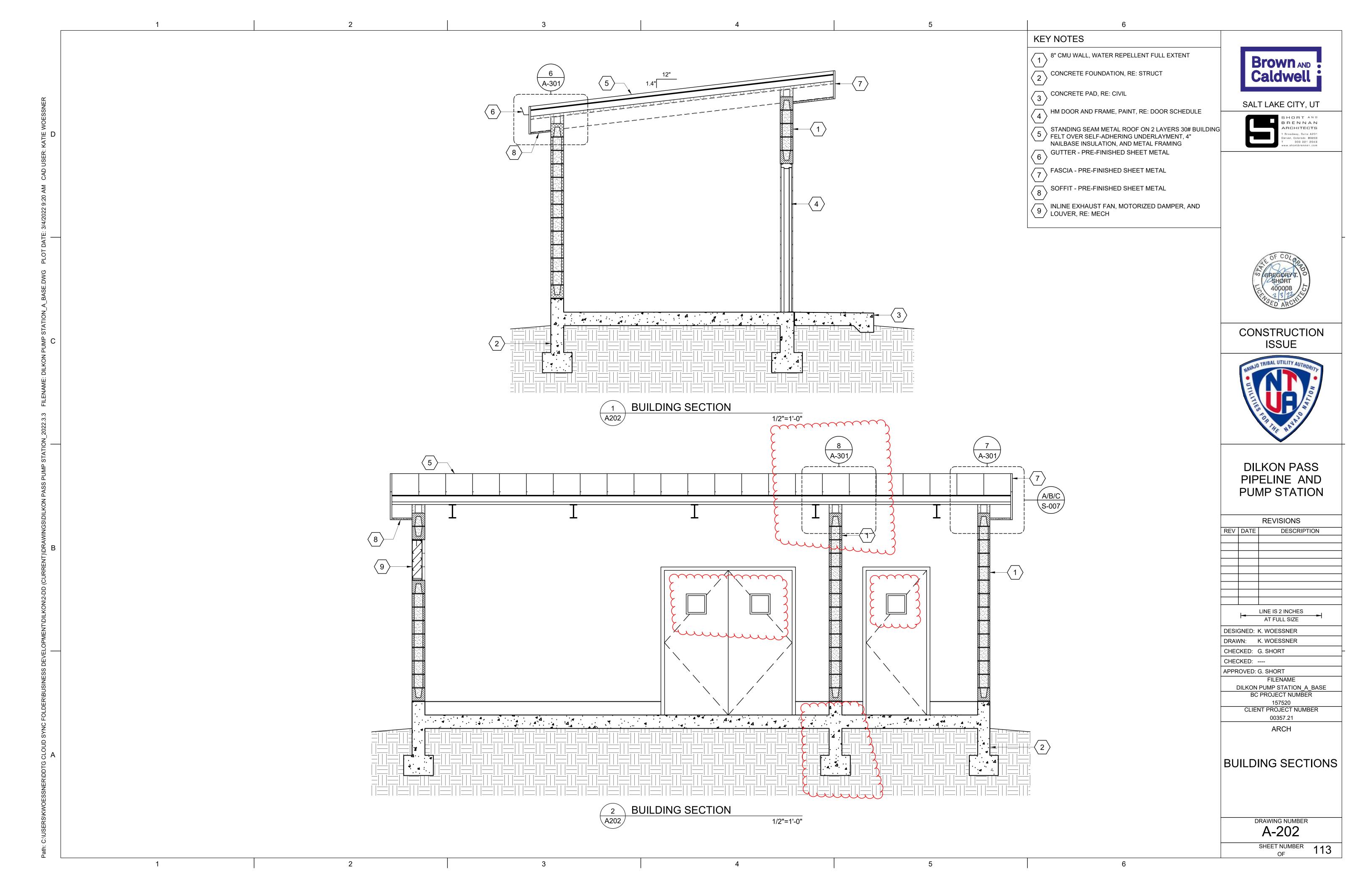
CODE & FLOOR PLAN

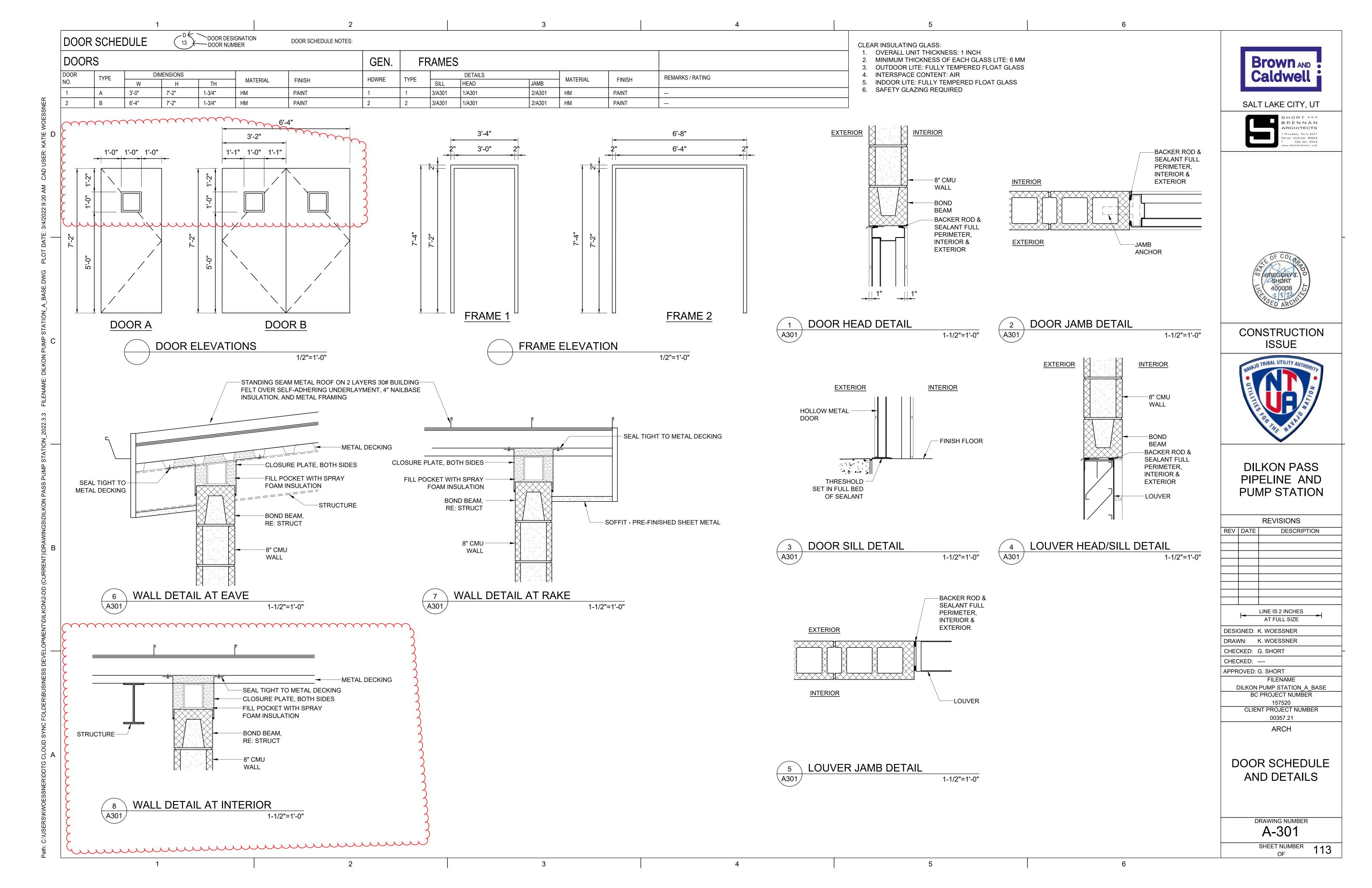
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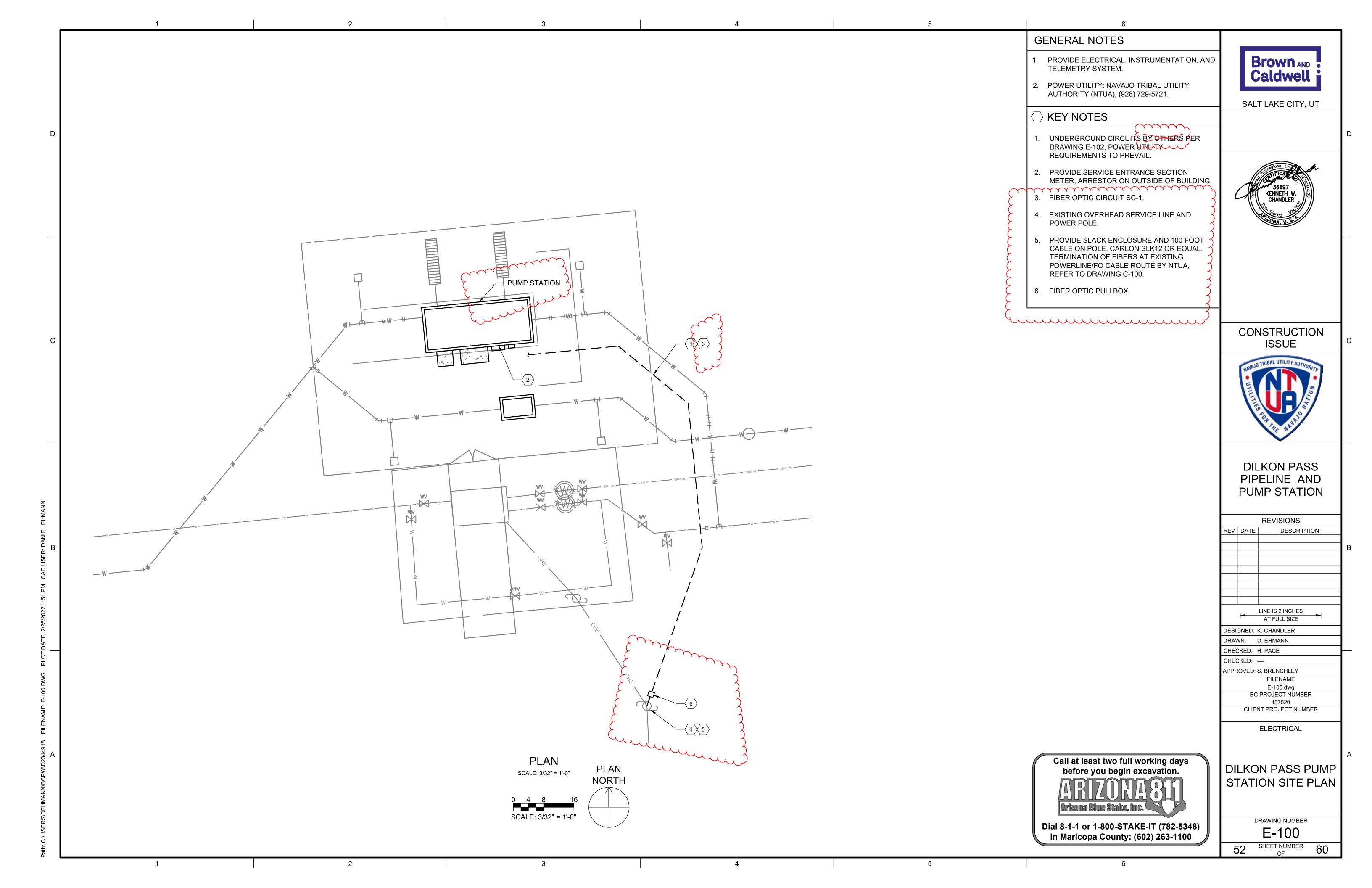


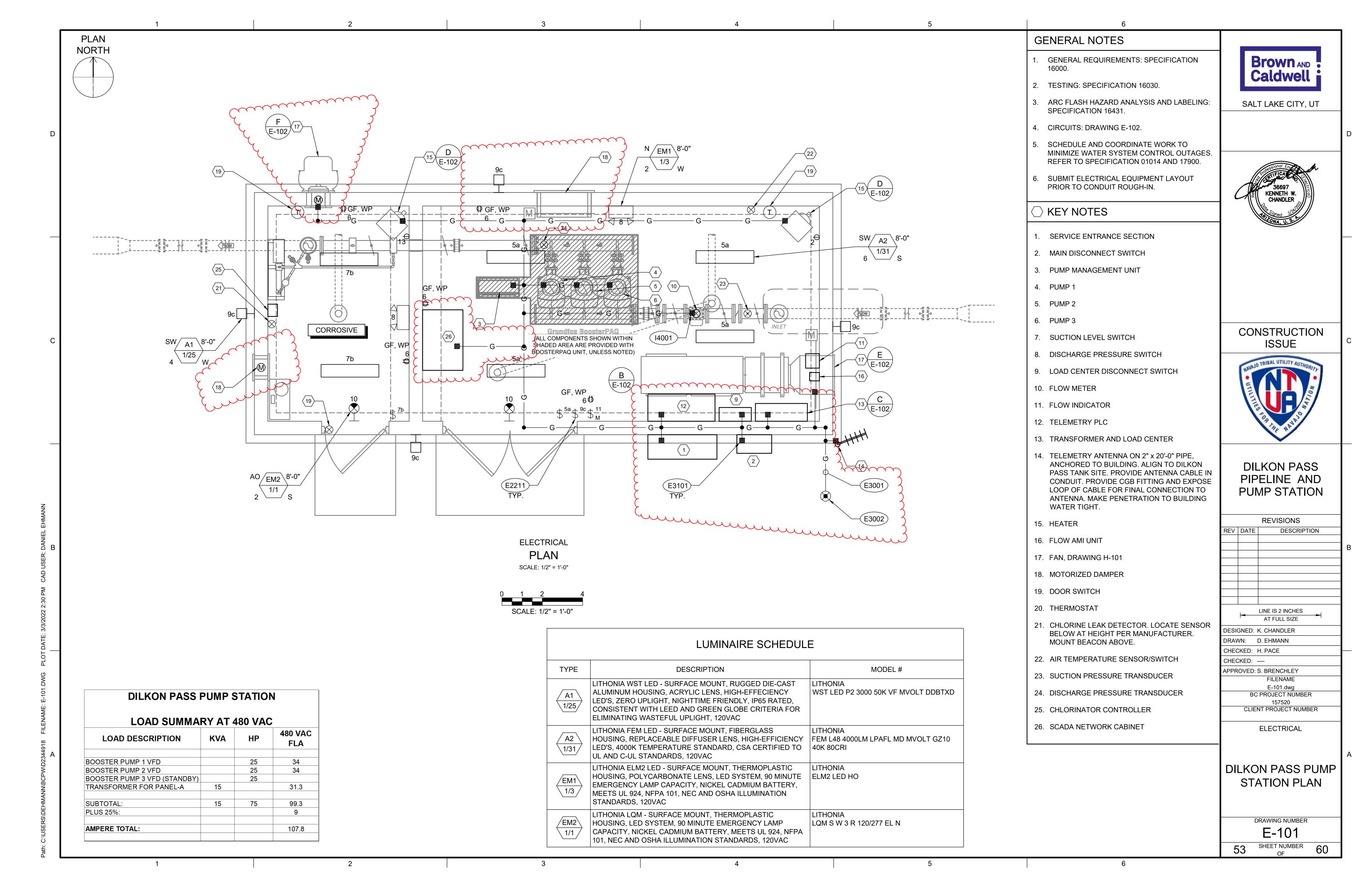


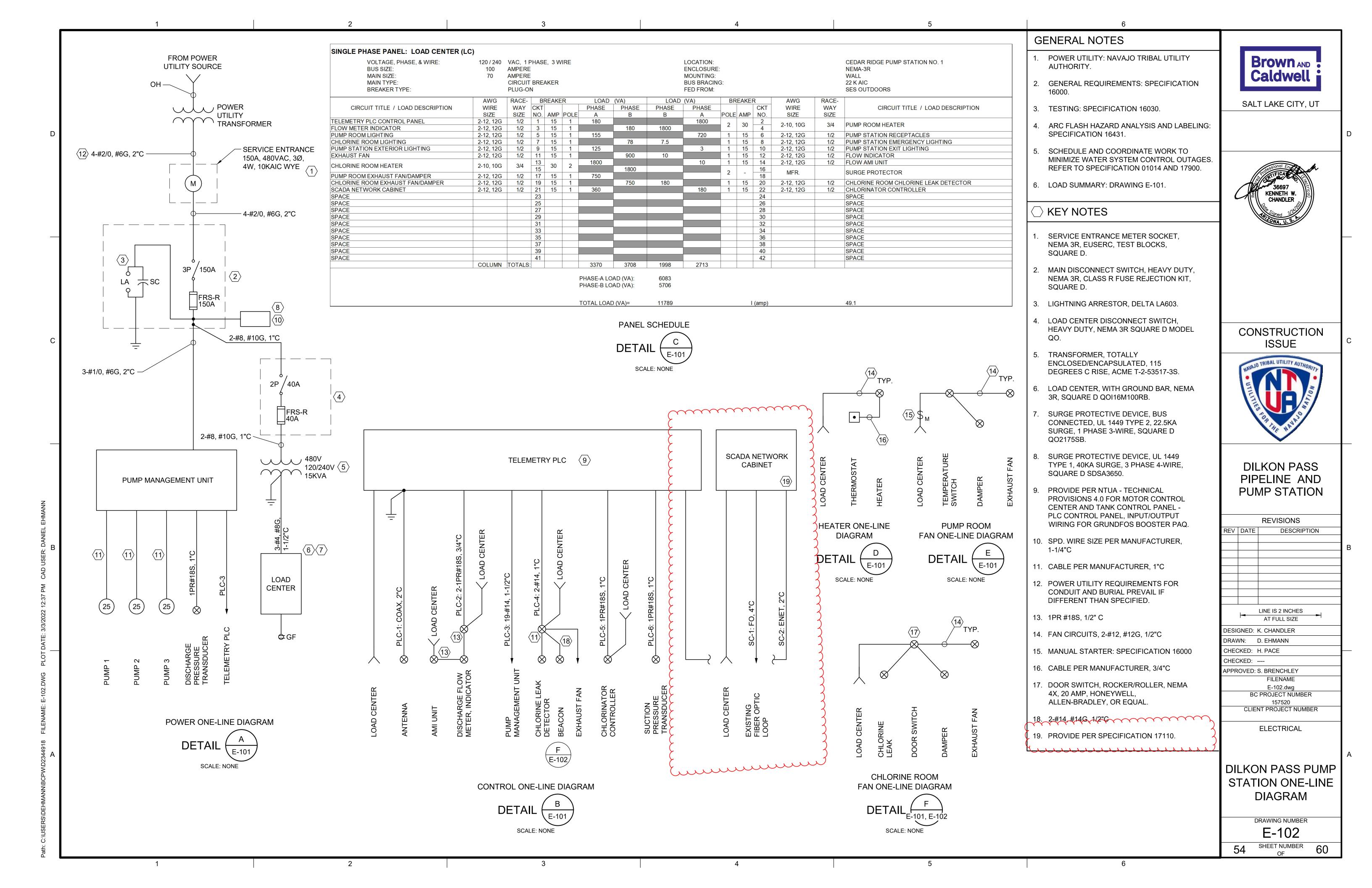
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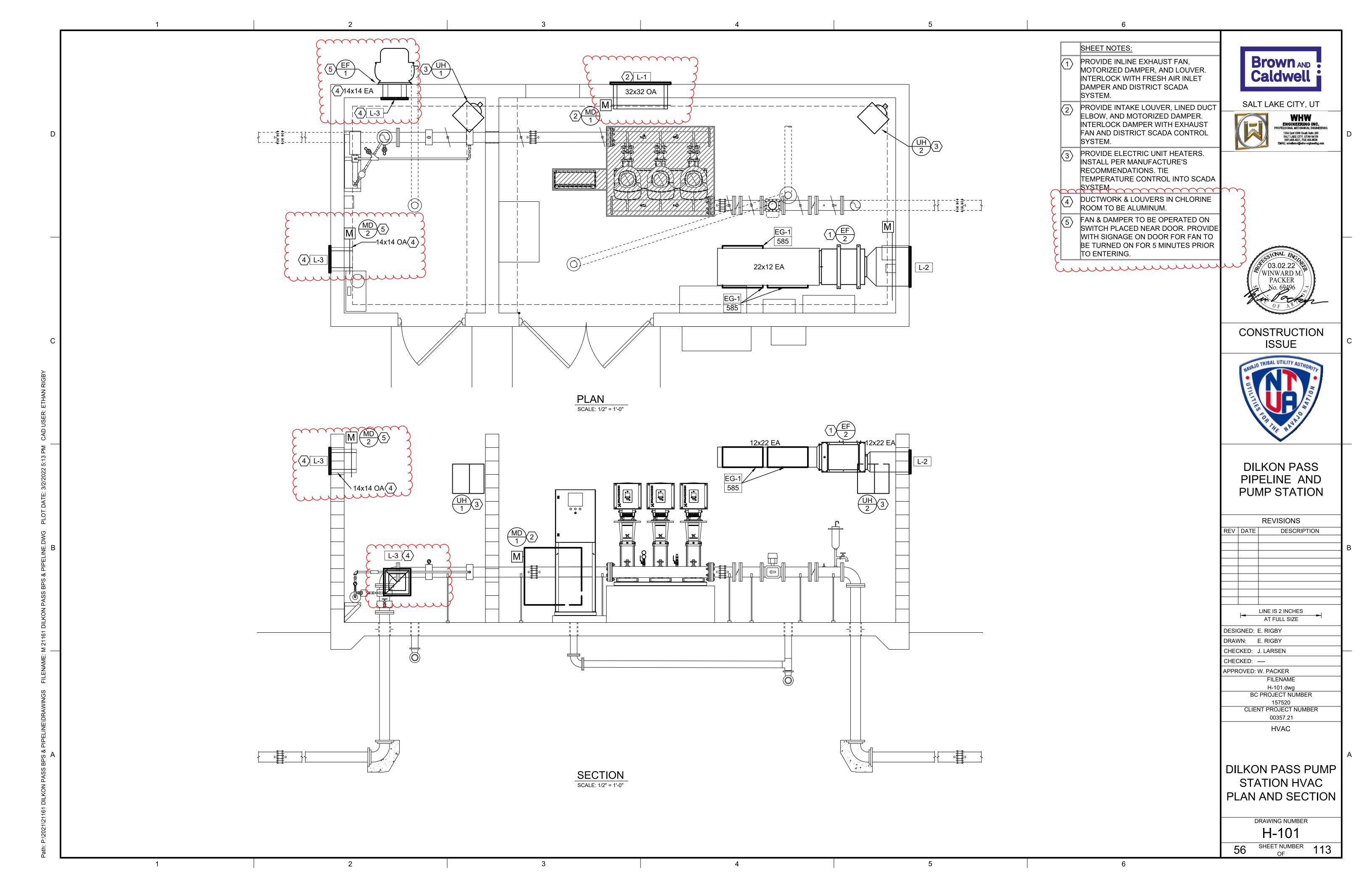












		E	XHAUS	TFAN	SCHE	DULE				
SYMBOL	MANUFACTURER & MODEL No.	SERVES	C.F.M.	STATIC PRESSURE	MAX NOISE SONES		MOTOR		OPER. WT. (LBS)	SCHEDULE NOTES
		· · · · · · · · · · · · · · · · · · ·		IN. WG.		V - Ø - Hz	HP	RPM		
EF 1	COOK 100 ACWB OR80	CHLORINE ROOM	350	0.35	7.6	115-1-60	1/6	1725	47	1,3,5,6
EF 2	COOK DB9	PUMP ROOM	1750	0.35	11.5	115-1-60	1/2	869	98	1,2,3,4

1. MANUFACTURER TO BE LOREN COOK, CARNES, GREENHECK, TWIN CITY JENCO, OR PRIOR APPROVED EQUAL.

2. INLINE FAN, SUPPORT FROM SPRING HANGERS.

3. PROVIDE WITH BACK-DRAFT DAMPER.

4. SEE DETAIL E ON SHEET E-102 FOR ONE-LINE CONTROL DIAGRAM.

MODINE HER30

5. FAN TO OPERATE BY SWITCH NEAR LIGHT. SIGNAGE ON DOOR TO RUN FAN FOR 5 MINUTES BEFORE ENTERING.

6. FAN PROVIDED SHALL BE COATED INSIDE AND OUT IN PHENOLIC EPOXY COATING. ALL INTERNAL FERROUS MATERIALS SHALL ALSO BE PROVIDE COATED

WITH PHENOLIC EPOXY COATING. ALL FASTENERS SHALL BE STAINLESS STEEL HARDWARE

		ELE	CTRIC	CUNIT	HE	ATEI	R SC	CHEDU	JLE		
YMBOL	MANUFACTURERS AND MODEL NO.	CFM	BTUH	SERVICE	ECTRICA KW	L HP	RPM	AIR TEMP RISE (F)	THROW (FT)	WEIGHT (LBS)	SCHEDULE NOTES
UH 1	MODINE HER30	380	10200	208-1-60	3	1/40	1550	25	12	34	1,2

I. MANUFACTURER TO BE MODINE, MARLEY, QMARK, MARKEL, CHORMALOX, INDEECO, OR PRIOR APPROVED EQUAL.

208-1-60

2. PROVIDE WITH TEMPERATURE SENSOR AND TIE INTO SCADA SYSTEM. COORDINATE WITH SCADA CONTRACTOR.

# REGISTER, LOUVER, & GRILLE SCHEDULE

1/40

SYMBOL	TYPE	SERVICE	MAX CFM	NOMINAL SIZE	THROAT SIZE	CEILING TYPE	FT./MIN.	MANUF. & MODEL	SCHEDULE NOTES
L-1	WALL	INTAKE	1750	34X34	34X34	N/A	500	RUSKIN ELF811	1,2,3,4,5
L-2	WALL	EXHAUST	1750	28X40	28X40	N/A	600	RUSKIN ELF811	1,2,3,4,5
L-3	WALL	INTAKE	350	16x16	14x14	N/A	500	RUSKIN ELF811	1,2,3,4,5
EG-1	DUCT	EXHAUST	750	24X12	24X12	DUCT MOUNTED	500	PRICE 500	2,4,5

1. SEAL ALL PENETRATIONS WEATHER TIGHT.

2. MAXIMUM FT/MIN AT CFM LISTED.

3. PROVIDE TRANSITION TO LOUVER THROAT SIZE AS REQUIRED TO DUCTWORK SHOWN ON PLAN.

4. MANUFACTURER TO BE RUSKIN, GREENHECK, POTTORF, CARNES, OR PRIOR APPROVED EQUAL.

5. FINISH SHALL BE SPECIFIED BY ARCHITECT. 

## CONTROL DAMPER SCHEDULE

SYMBOL	SIZE	NO. REQUIRED	LOCATION	MANUF.& MODEL	COMMENTS
MD 1	32"X32"	1	PUMP RM.	RUSKIN CD40	2,3,4
MD 2	14"X14"	1	CHLORINE RM.	RUSKIN CD40	1,3,4

1. DAMPER TO BE LOW LEAKAGE OF ALUMINUM CONSTRUCTION.

2. ACTUATOR TO BE BELIMO 120/1/60.

3. DAMPER MANUFACTURER TO BE RUSKIN, GREENHECK, POTTORF, CARNES, OR PRIOR APPROVED EQUAL.



SALT LAKE CITY, UT





CONSTRUCTION ISSUE

1,2



## **DILKON PASS** PIPELINE AND PUMP STATION

REVISIONS							
DATE	DESCRIPTION						
	DATE						

LINE IS 2 INCHES AT FULL SIZE

'	
)	DESIGNED: E. RIGBY
)	DRAWN: E. RIGBY
)	CHECKED: J. LARSEN
)	CHECKED:
)	APPROVED: W. PACKER
<i>\</i>	FILENAME
)	H-501.dwg
)	BC PROJECT NUMBER
)	157520
)	CLIENT PROJECT NUMBER
)	00357.21
<b>\</b>	

HVAC SCHEDULES

**HVAC** 

DRAWING NUMBER H-501

SHEET NUMBER 113

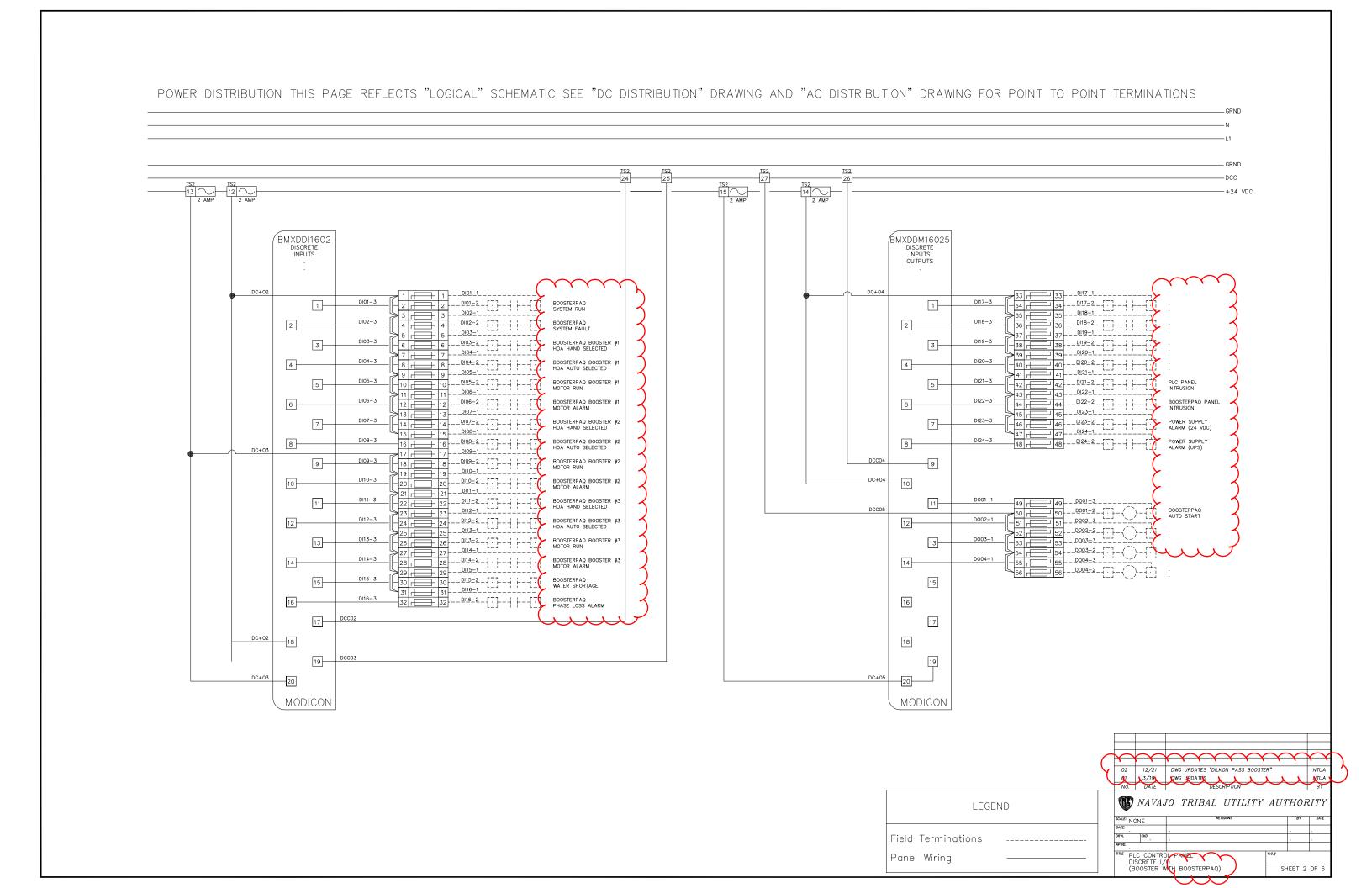
# NAVAJO TRIBAL UTILITY AUTHORITY PUMP CONTROL PANEL LAYOUT

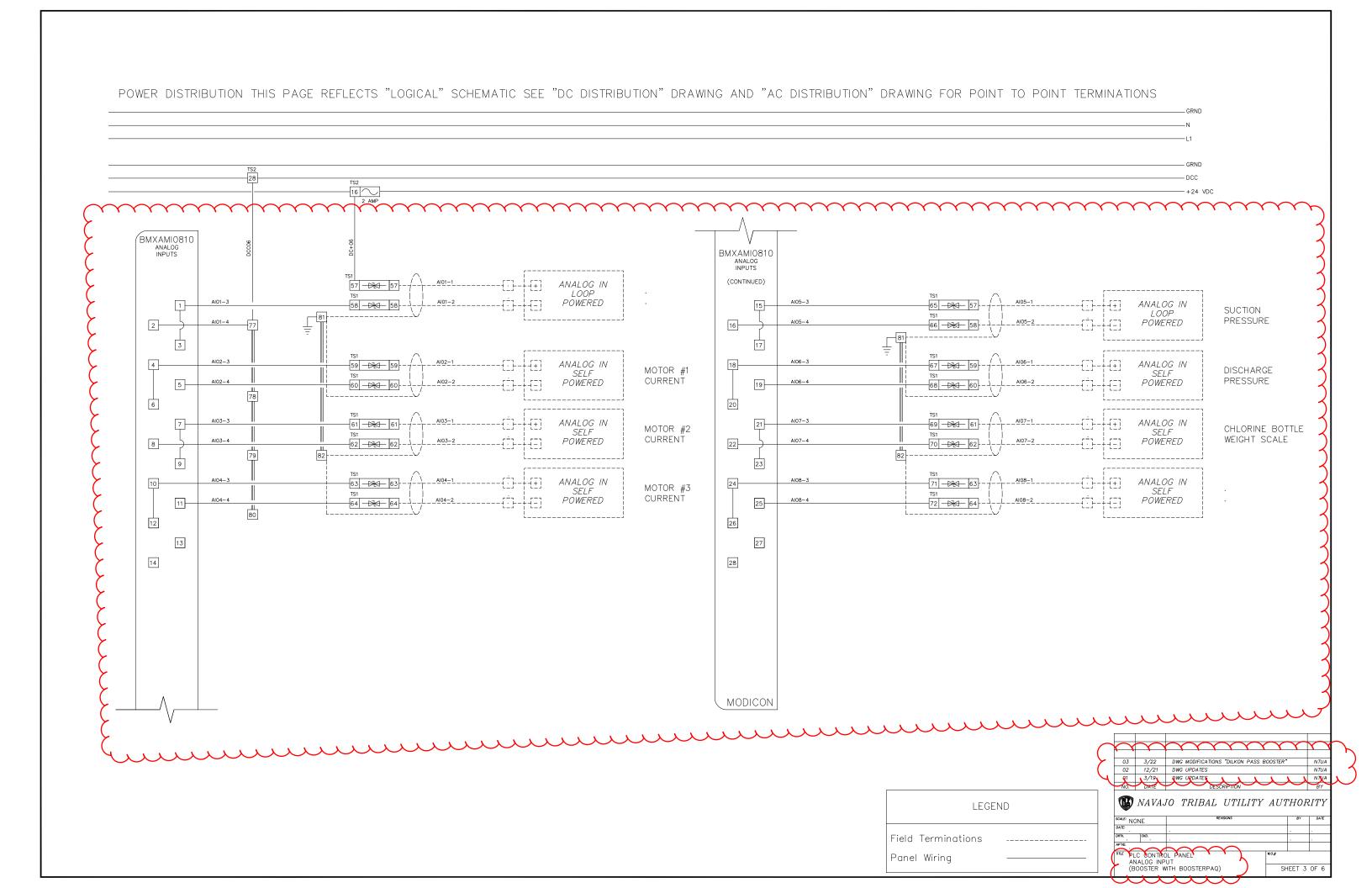
	SC	CHEDULE OF DRAWIN	GS
SHEET	FILENAME	TITLE	NOTES
1	PLC_CV	COVERSHEET .	SHEDULE OF DRAWINGS
~	bro-bro	POISEBELLAC	MINNE
3	PLC_AI	ANALOG INPUT	WIRING
3A	PLC_AO	ANALOG OUTPUT	wiring $\prec$
V	ed en	POWER DISTRIBUTION	MRING
5	PLC_BP	BACKPLANE LAYOUT	BP W/ BOM
5A	PLC_SOP	SWING OUT PANEL	BP W/ BOM
6	PLC_CBL	COMM CABLES PINOUT	



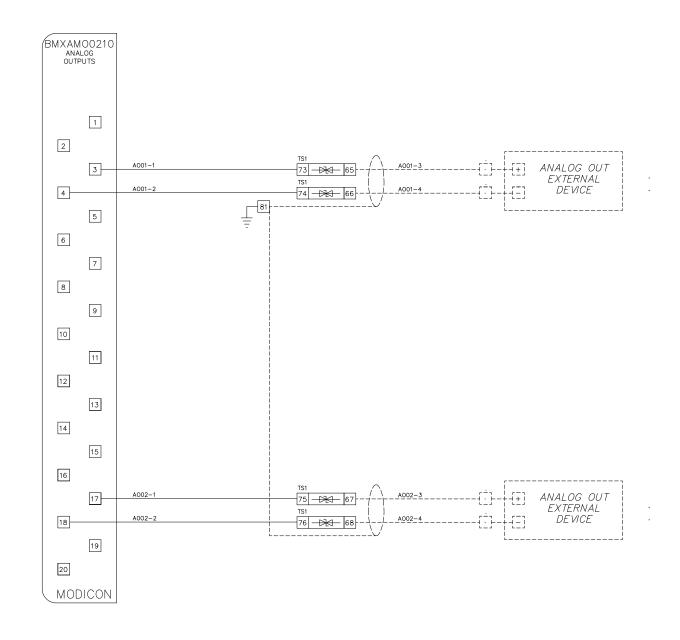
PLC CONTROL PANEL

	$ \uparrow $	$\sim$	$\sim$	~	$\sim$	$ \checkmark $	Y		$\sim$	
01	3/22	DWG .	MODIFICA	TION	"DILKON	PASS	воо	STER"		NTUA
NO.	DATE	دــــــــــــــــــــــــــــــــــــــ		DESC	CRIPTION		人	人	لح	BY
	NA VA	10 T	'RIB	4L	UTI	LIT	Υ.	AU7	'HOF	RITY
SCALE: NO	ONE			RE	VISIONS				BY	DATE
DATE:										
DR'N.	CKD.									
AP VD.										
TITLE PLC CONTROL PANEL W.O.						.0.#				
CC	OVER SHEE	ΞT						SH	HEET 1	OF 6





POWER DISTRIBUTION THIS PAGE REFLECTS "LOGICAL" SCHEMATIC SEE "DC DISTRIBUTION" DRAWING AND "AC DISTRIBUTION" DRAWING FOR POINT TO POINT TERMINATIONS



LEGE	END
Field Terminations	
Panel Wiring	

03	3/22	DWG MODIFICATIONS "DILKON PASS BOOSTEI	۲"	NTUA
02	12/21	DWG UPDATES		NTUA
01	3/19	DWG UPDATES		NTUA
NO.	DATE	DESCRIPTION		BY
<b>W</b>	NA VA	IO TRIBAL UTILITY AU		
CALE: N	NA VA	IO TRIBAL UTILITY AU	THOF	RITY
IN				
DATE:				
DATE: OR'N.	ONE			
DATE: DR'N. AP'VO.	ONE	AEVISONS DL PANEL #6.0.4		

