CITY OF SPARKS

PUBLIC WORKS DEPARTMENT

TMWRF LABORATORY BUILDING ROOF REPLACEMENT

PROJECT NO. BID # 18/19 - 006 PWP NO. WA-2018-248

SITE DATA

ADDRESS: 8500 CLEAN WATER WAY RENO,NV 89502 APN: 021-020-02

APN: ZONING:

CITY OF SPARKS

OWNER

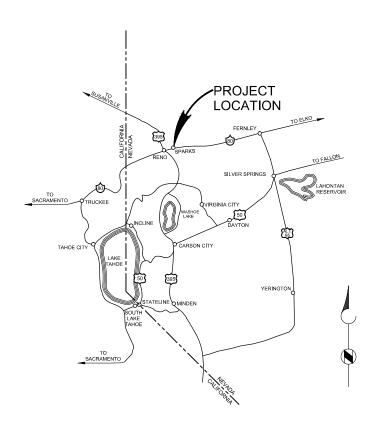


CITY OF SPARKS TRUCKEE MEADOWS WATER RECLAMATION WATER FACILITY 8500 CLEAN WATER WAY RENO, NV 89502 PHONE: (775) 861-4125 FAX: (775) 861-4115

ENGINEER



1325 AIRMOTIVE WAY, SUITE 215 RENO, NV 89502 PHONE: (775) 834-0165 FAX: (602) 567-4001

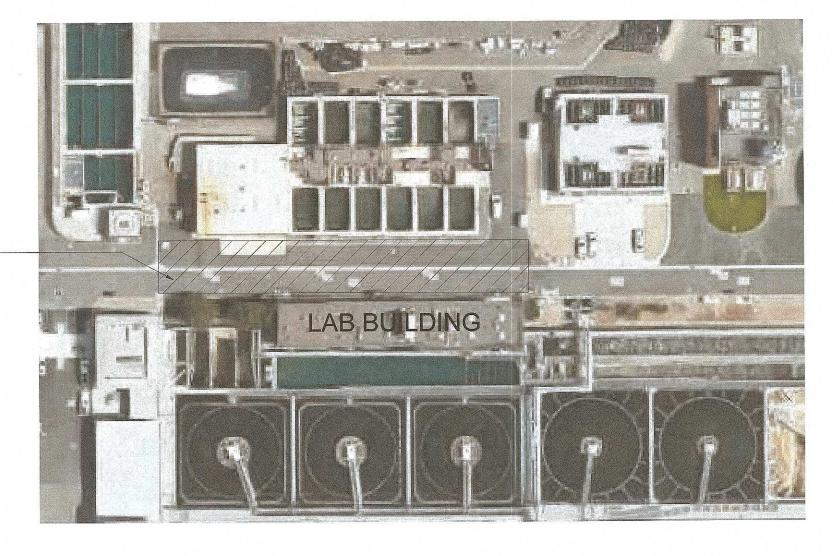


VICINITY MAP



LABORATORY BUILDING LOCATION MAP

DESIGNED BRG DRAWN BRG CHECKED DFC DATE SULES ACCORDINGLY SCALES BY DESCRIPTION APVD DATE JUNE 2018 | 100% SUBMITTAL |



LABORATORY BUILDING STAGING ACCESS

NOTES:

- CONTRACTOR MAY CLOSE ROAD WITHIN STAGING AND STORAGE AREA TO VEHICLE ACCESS DURING CONSTRUCTION,
- MAINTAIN PROTECTED PEDESTRIAN ACCESS TO ALL SIDEWALKS AND ALL BUILDING ENTRANCES AT ALL TIMES
- ACCESS TO LAB ROOF IS EXTERIOR ONLY, NO INTERIOR ACCESS IS AVAILABLE.

SHEET LIST

Sheet Number	Sheet Title	SHEET TITLE
GENERAL		
1	G-1	COVER SHEET
2	G-2	STAGING ACCESS AND SHEET LIST
ARCHITECTUR	RAL	
3	A-1	SYMBOLS ABBREVIATIONS AND GENERAL NOTES
4	A-2	DEMOLITION ROOF PLAN
5	A-3	ROOF PLAN
6	A-4	ELEVATIONS
7	A-5	MISCELLANEOUS DETAILS
8	A-6	MISCELLANEOUS DETAILS
9	A-7	MISCELLANEOUS DETAILS
STRUCTURAL		
10	S-1	SPECIAL INSPECTION NOTES
11	S-2	MISCELLANEOUS DETAILS
12	S-3	EXISTING STAIR MODIFICATIONS
ELECTRICAL		
13	E-1	EXISTING ROOF CONDUIT MODIFICATIONS

**ASBESTOS ABATEMENT - SEE ATTACHMENT "A"

TRUCKEE MEADOWS
WAITER RECLAMATION PAGILITY

TMWRF LAB ROOF
GENERAL
STAGING ACCESS AND SHEET

LIST

VERIFY SCALES JOB NO.

BAR IS ONE INCH ON ORIGINAL DRAWING NO.

O 11" G-2

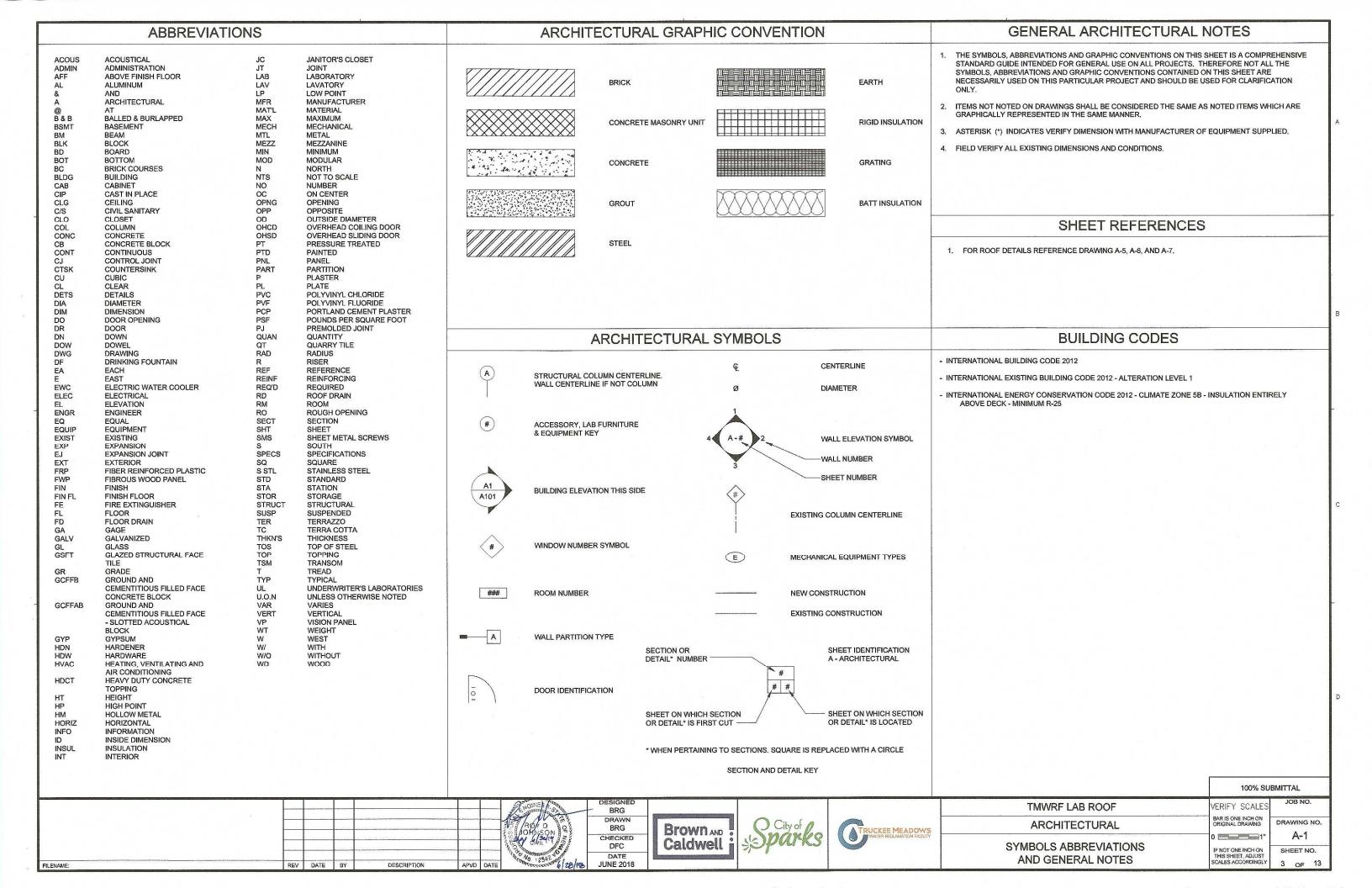
IF NOT ONE INCH ON SHEET NO.
THIS SHEET, ADJUST SCALES ACCORDINGLY 2 OF 13

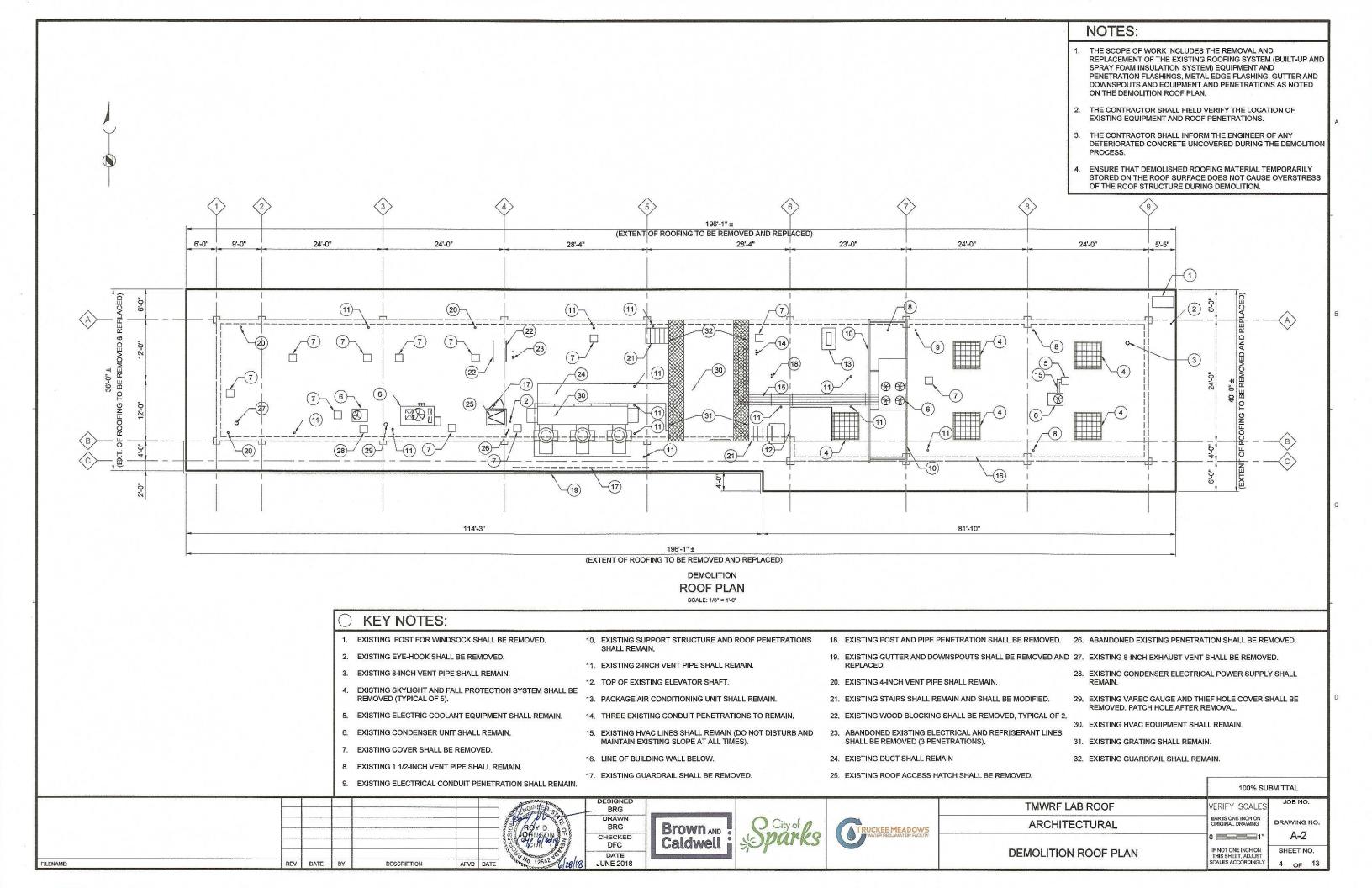
ME: REV DATE BY DESCRIPTION APVD DATE

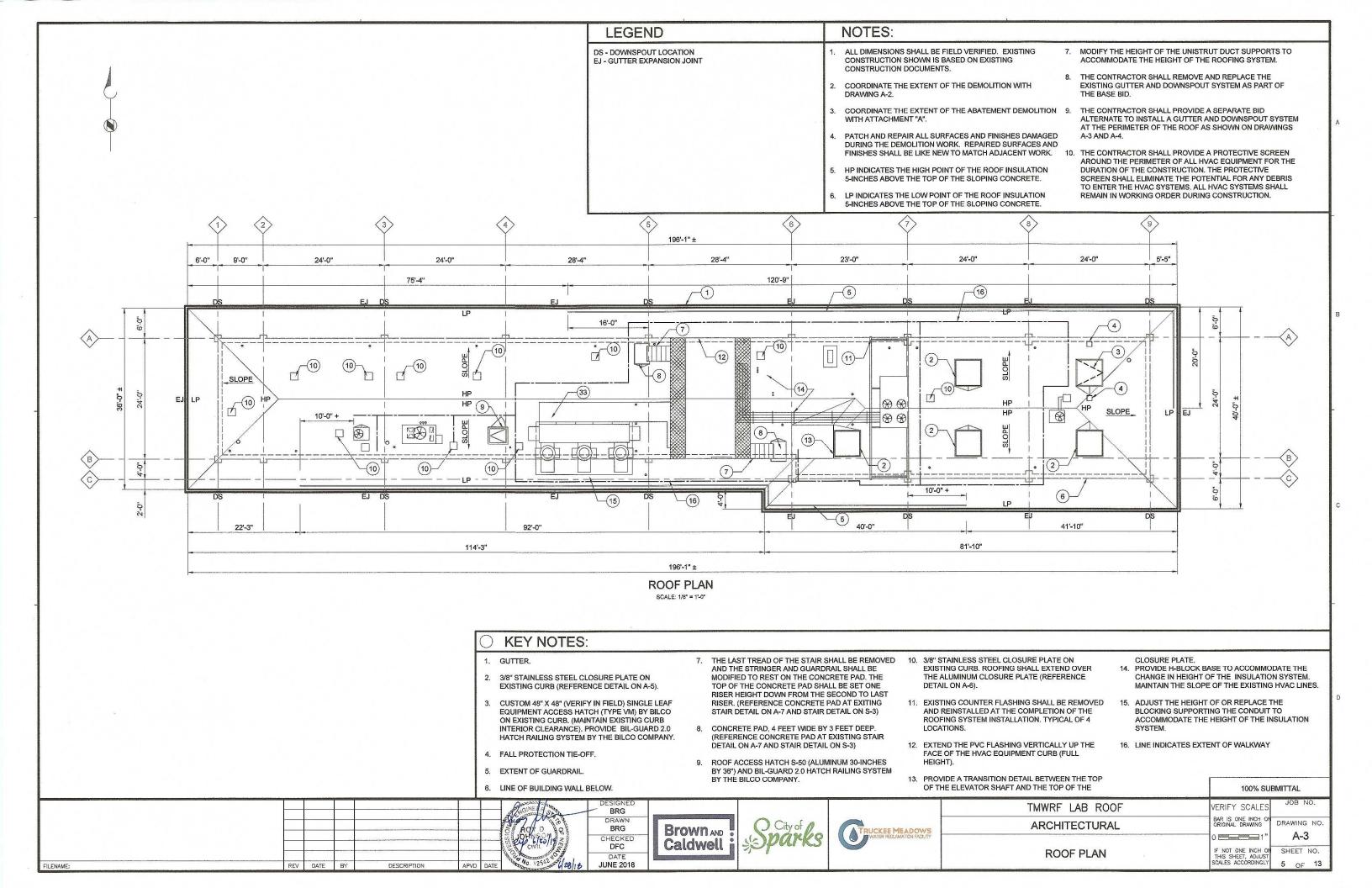
STAGING AND STORAGE AREA

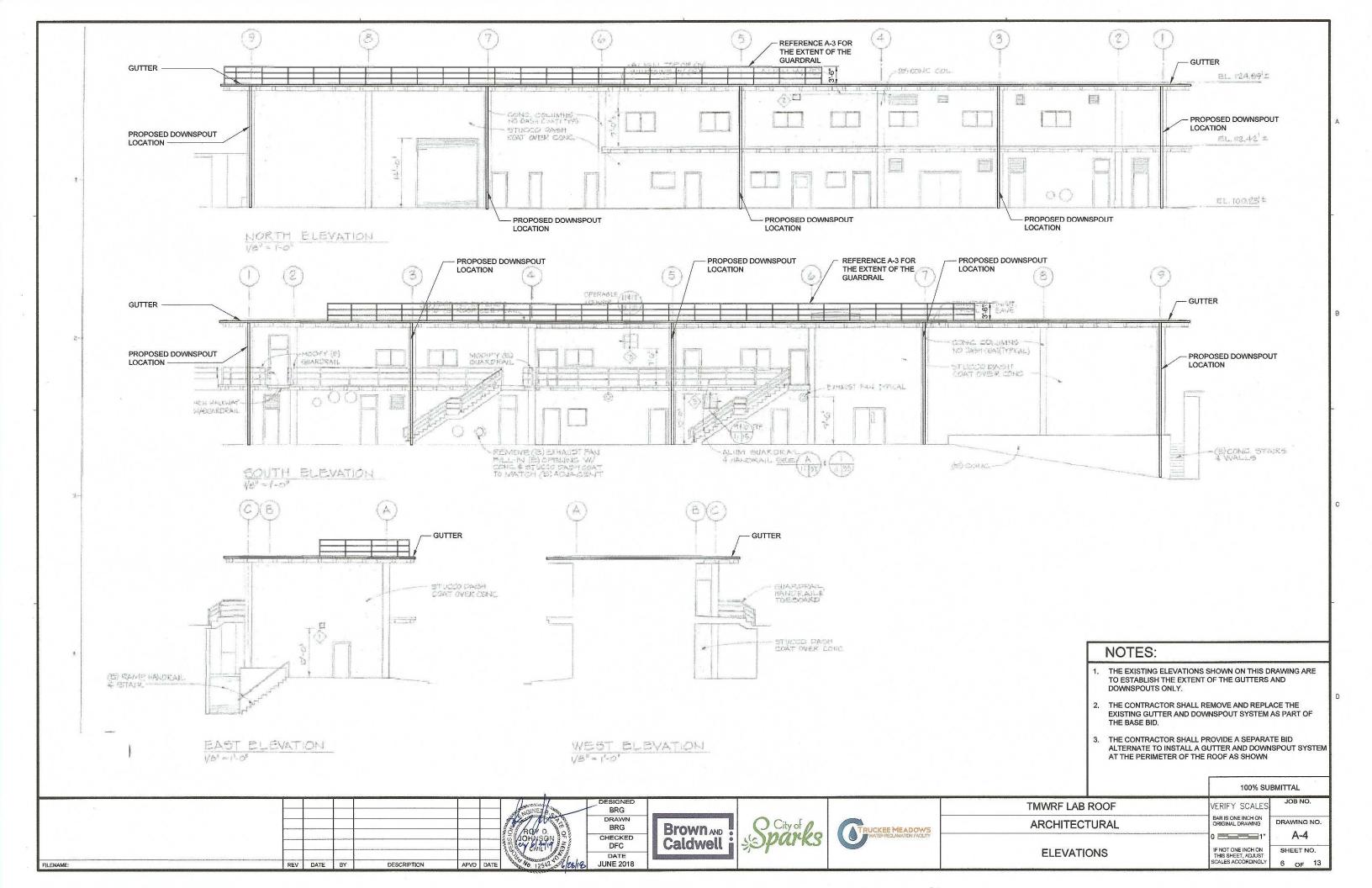


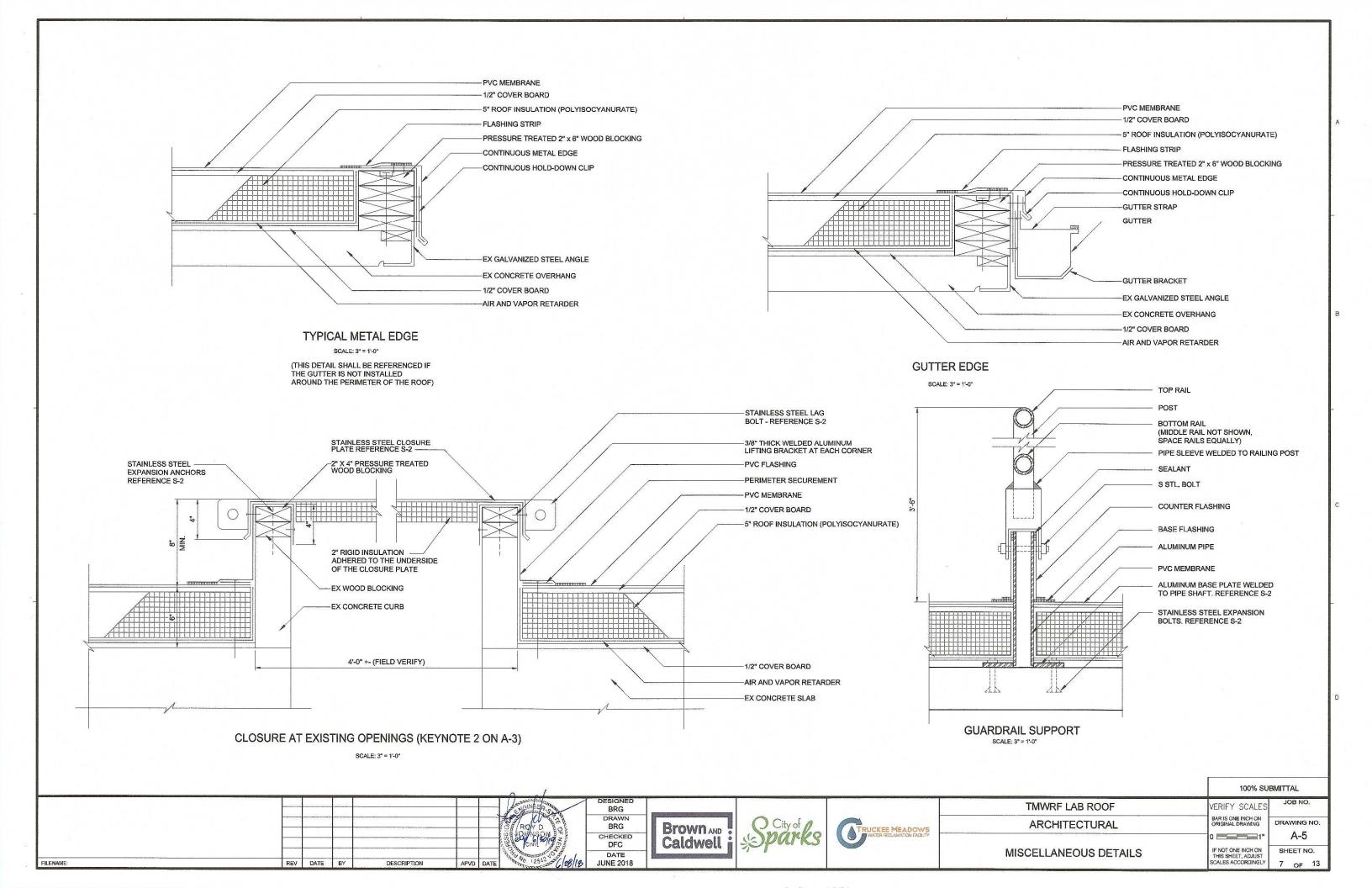
Sparks

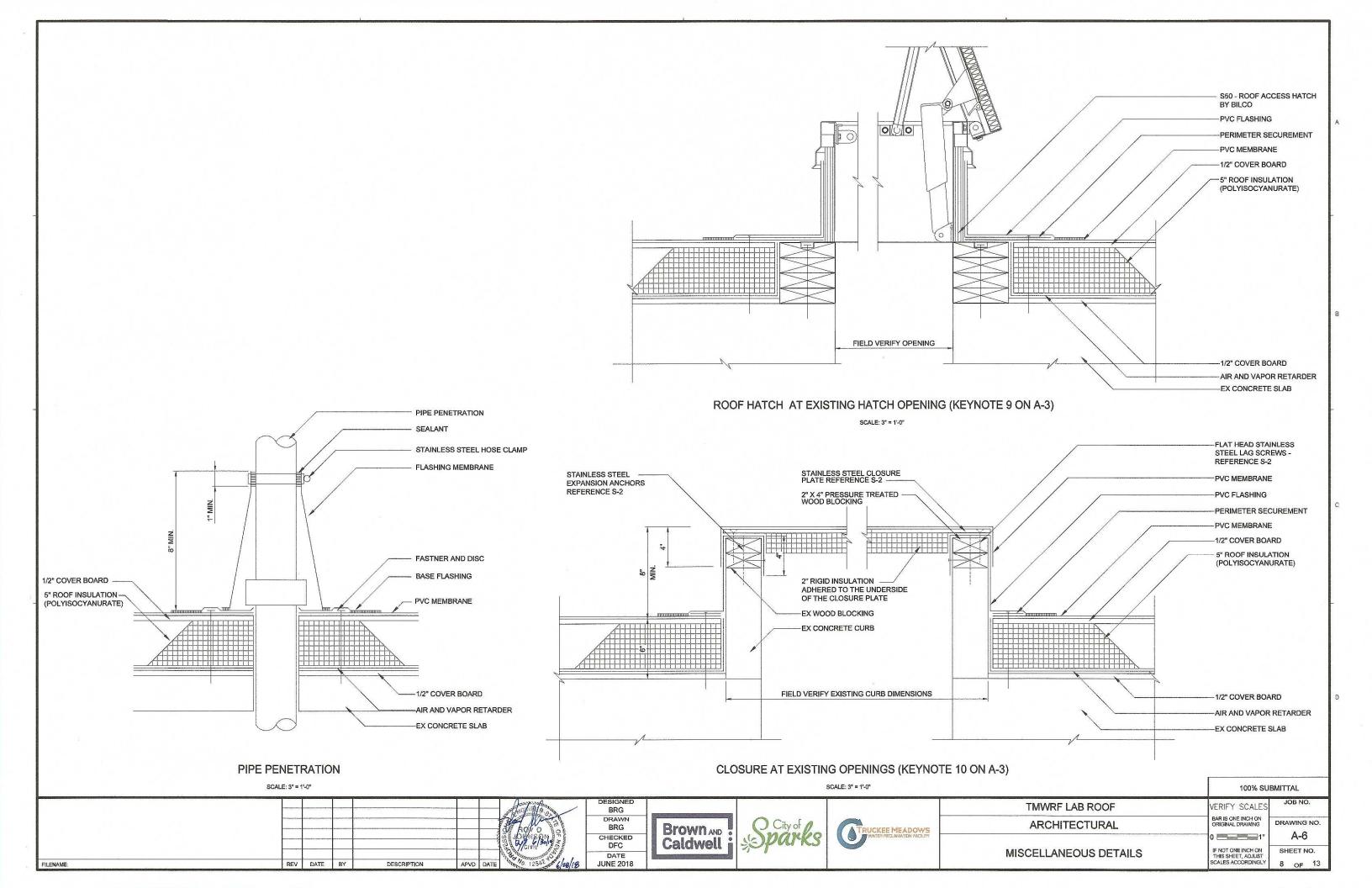


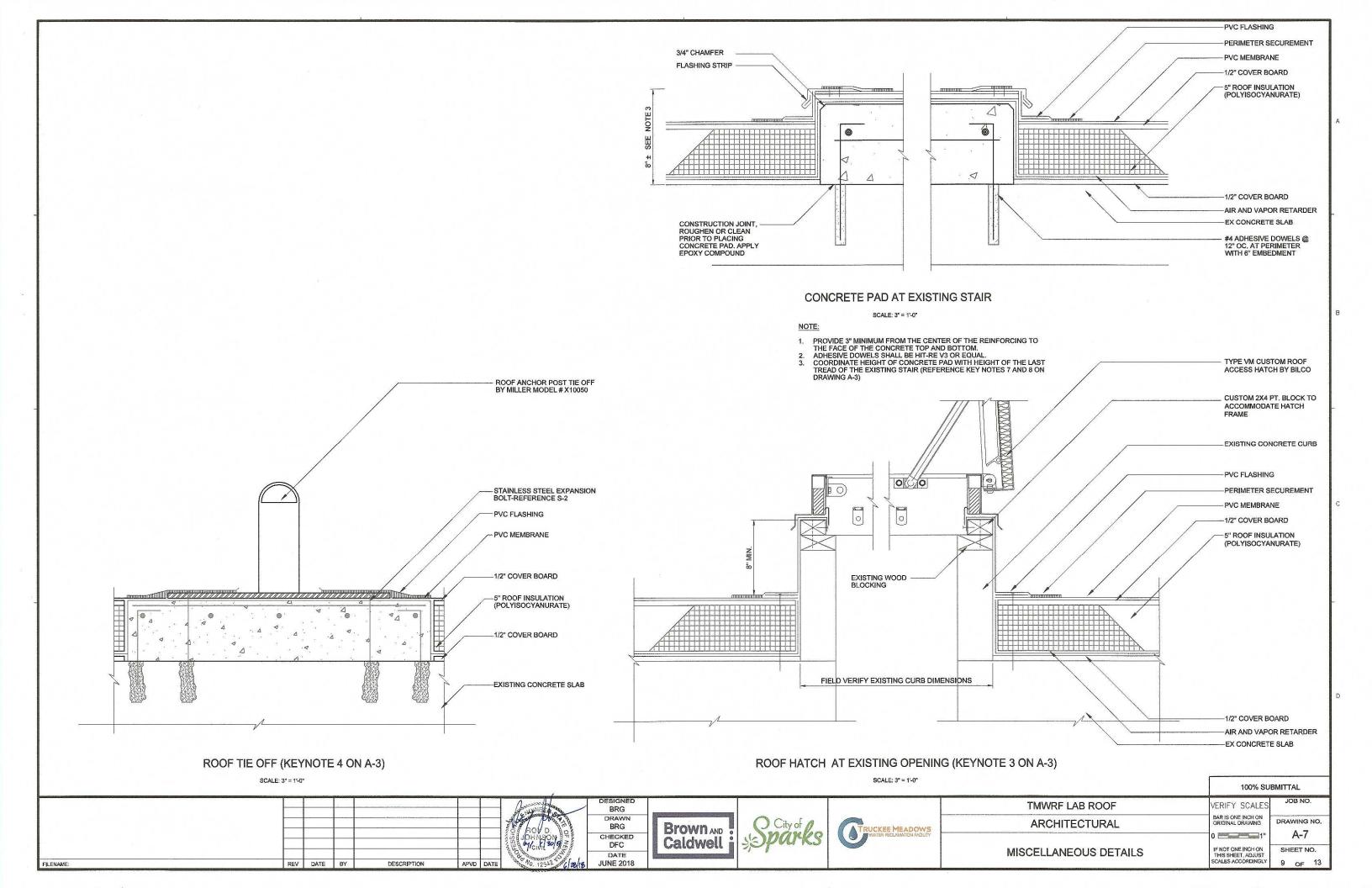












SPECIAL INSPECTIONS

S1.1 AN INDEPENDENT TESTING COMPANY RETAINED BY THE OWNER AND APPORVIED BY THE BUILDING OFFICIAL SHALL INSPECT THE FOLLOWING:

	TABLE	:1			
	REQUIRED SPECIAL INSPECTION	NS - STRUCTU	RAL SYS	TEMS	
SYSTEM OR MATERIAL	REQUIRED INSPECTION	FREQUENCY OF INSPECTION		REMARKS	
- Company of Company		CONTINUOUS	PERIODIC		
	INSPECT ANCHORS TO BE CAST IN CONCRETE		x	PRIOR TO AND DURING CONCRETE PLACEMENT	
	INSPECT POST-INSTALLED CONCRETE ANCHORS: - HORIZONTAL AND UPWARDLY INCLINED ADHESIVE ANCHORS - OTHER ANCHORS UNLESS ICC REPORT REQUIRED CONTINUOUS INSPECTION	×	x	INSPECTION TO CONFORM TO IBC AND TO ANCHOR MANUFACTURER'S RECOMMENDATIONS AND ICC REPORTS	
STRUCTURAL STEEL AND ALUMINUM	VERIFY MATERIAL OF ANCHOR BOLTS AND THREADED RODS		x	CONTRACTOR TO SUBMIT MANUFACTURER'S CERTIFIED TEST REPORTS	
-04 (VERIFY MATERIAL OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS		х	CONTRACTOR TO SUBMIT MANUFACTURER'S CERTIFIED TEST REPORTS	
	VERIFY MATERIALS FOR WELD FILLER MATERIALS		Х		
	VERIFY WELDER QUALIFICATIONS		×	CONTRACTOR TO SUBMIT WELDERS CERTIFICATES	
	VERIFY USE OF PROPER WELDING PROCEDURES		X		
	INSPECT SINGLE-PASS FILLET WELDS LESS THAN OR EQUAL TO 5/16"		×	VISUALLY INSPECT ALL WELDS	

QUALITY ASSURANCE NOTES

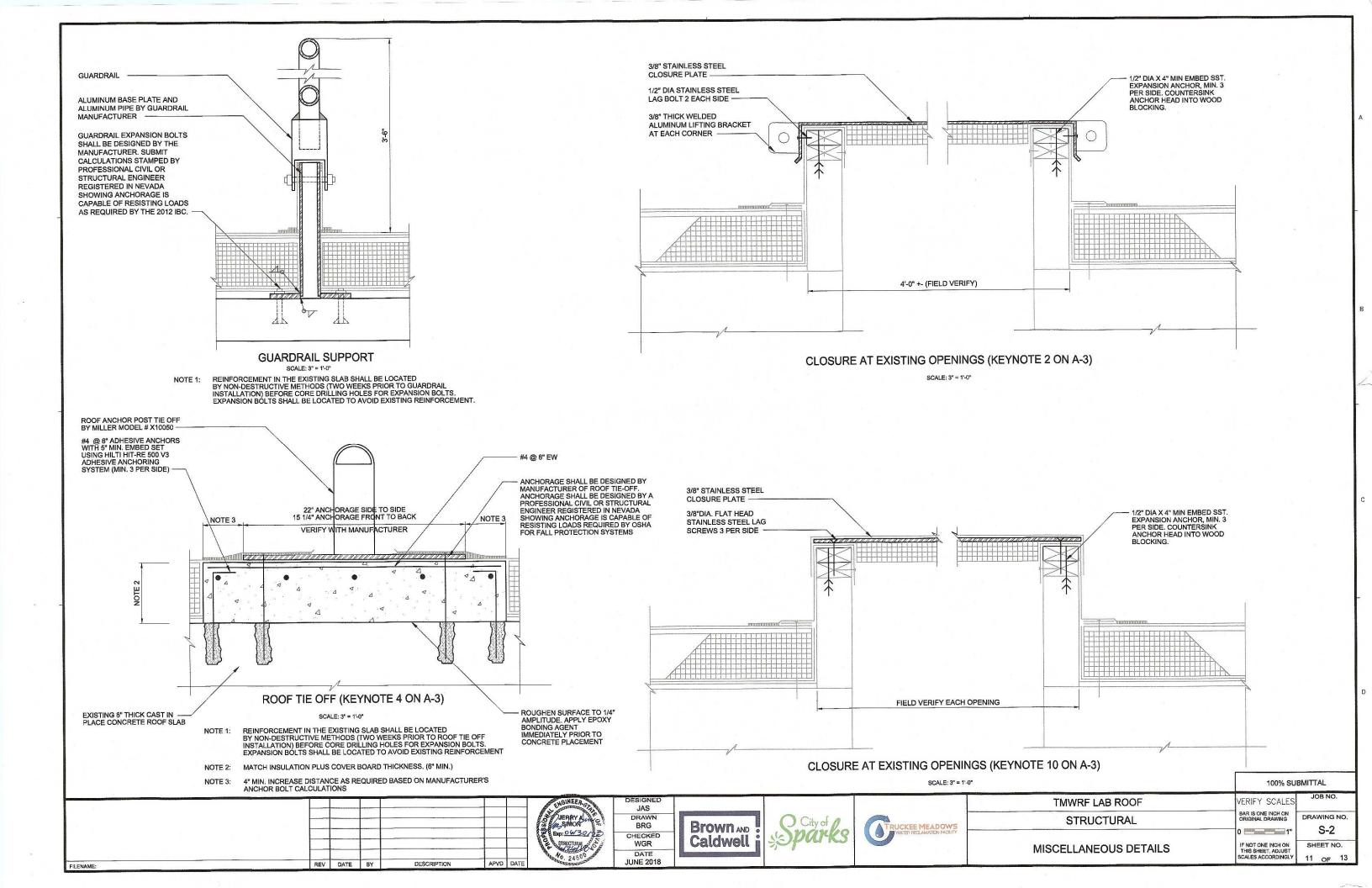
- 1. THE QUALITY OF THE WORKMANSHIP AND THE QUALITY OF THE MATERIALS OF CONSTRUCTION ARE GOVERNED BY THE INTERNATIONAL BUILDING CODE, 2012 EDITION (IBC).
- 2. ALL NEW STRUCTURES AND MODIFICATIONS TO EXISTING STRUCTURES TO BE CONSTRUCTED AS A PART OF THIS PROJECT ARE CLASSIFIED AS OCCUPANT CATEGORY III, WASTE WATER TREATMENT FACILITY, IN ACCORDANCE WITH THE IBC. THE STRUCTURES ARE CLASSIFIED AS SEISMIC DESIGN CATEGORY D.
- 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
- CONTRACTOR SHALL PROVIDE ACCESS TO THE WORK FOR REQUIRED INSPECTIONS. CONTRACTOR SHALL PROVIDE NOTIFICATION IN ADVANCE OF REQUIRED INSPECTIONS, TESTING AND STRUCTURAL OBSERVATIONS.

STRUCTURAL DEFERRED SUBMITTALS (IBC 2012, SECTION 107.3.4.1)

THE CONTRACTOR SHALL SUBMIT DRAWINGS AND CALCULATIONS BEARING THE SEAL OF A PROFESSIONAL ENGINEER LICENSED IN NEVADA TO THE ENGINEER FOR REVIEW. STRUCTURAL DEFERRED SUBMITTALS INCLUDE:

ANCHOR BOLTS FOR ALL EQUIPMENT ANCHORAGE AND FOR GUARDRAIL AND FALL PROTECTION DEVICES.
 GUARDRAILS AND HANDRAILS

		Manachar	DESIGNED			-	100% SUBMITTAL	
		JERRY DERIVATE	JAS DESIGNED			TMWRF LAB ROOF	VERIFY SCALES	JOB NO.
		Exp. 06/30/37	DRAWN BRG	Brown AND City of	TRUCKEE MEADOWS	STRUCTURAL	BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO
		A STRUCTURAL OF	CHECKED WGR	Caldwell Sparks	WATER RECLAMATION FACILITY		01"	S-1
FILENAME:	REV DATE BY DES	SCRIPTION APVD DATE	DATE JUNE 2018			SPECIAL INSPECTION NOTES	IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET NO.





GENERAL NOTES

- TRIM BOTH SIDES OF STAIRS AS REQUIRED MODIFY BOTH SETS OF STAIRS, REFERENCE KEYNOTE 7 ON SHEET A-3

KEY NOTES:

- REMOVE BOTTOM STAIR READ AND INSTALL NEW CONCRETE PAD TO MATCH EXISTING BOTTOM TREAD ELEVATION; REFERENCE SHEETS A-7 FOR CONCRETE PAD DETAIL
- CUT AND RE-WELD STRINGER, KICK PLATE, AND HANDRAIL...
 LENGTH REMOVED SHALL BE AS REQUIRED TO SHORTEN STAIRS
 TO ALLOW BOTTOM OF STAIRS TO REST ON NEW RAISED PAD
 (REFERENCE SHEETS A-7) RE-WELD ALL CUT JOINTS AND TOUCH
 UP WITH PAINT TO MATCH EXISTING.

100% SUBMITTAL

DRAWING NO.

S-3

SHEET NO.

TMWRF LAB ROOF STRUCTURAL

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

EXISTING STAIR MODIFICATIONS

DESIGNED JAS DRAWN BRG Brown AND Caldwell CHECKED WGR DATE JUNE 2018 REV DATE BY DESCRIPTION













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.\TMWRF_Logo.png

100% SUBMITTAL TMWRF LAB ROOF VERIFY SCALES **ELECTRICAL**

EXISTING ROOF CONDUIT MODIFICATIONS

DRAWING NO. E-1 1 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

SHEET NO. 13 OF 13

3. DE-TERMINATE CONDUCTORS FROM DISCONNECT SWITCH AND PULL DOWN TO CLOSEST JUNCTION BOX OR ENCLOSURE, EXTEND POLI DOWN TO CLOSEST JUNCTION BOX OR ENCLOSURE, EXTEND CONDUIT 6" HIGHER ABOVE EXISTING PENETRATION TO ACCOMMODATE INCREASED ROOF INSULATION THICKNESS AND ADJUST LIQUID TIGHT FLEXIBLE METALLIC CONDUIT (LFMC) ALIGNMENT ACCORDINGLY, RE-PULL CONDUCTORS AND RE-TERMINATE TO MATCH EXISTING.

GENERAL NOTES

KEY NOTES:

COORDINATE WITH THE OWNER'S LAB STAFF AND SCHEDULE ALL WORK AT A TIME WHEN THE EXHAUST FANS CAN BE REMOVED FROM SERVICE.

ASSUME ALL WORK MUST BE PERFORMED ON A SATURDAY OR SUNDAY WITH EXHAUST FANS OFF FOR A MAXIMUM DURATION OF 8 HOURS.

DE-TERMINATE CONDUCTORS ON BUILDING SUPPLY END AND PULL CONDUCTORS UP TO EXISTING CONDULET.

EXTEND EXISTING CONDUIT 6" HIGHER ABOVE EXISTING PENETRATION TO ACCOMMODATE INCREASED ROOF INSULATION THICKNESS, RE-ROUTE CONDUIT TO SHORTEN RUN TO ACCOMMODATE EXISTING CONDUCTOR LENGTH. RE-PULL

3. PHOTOGRAPH AND DOCUMENT ALL EXISTING WIRING TERMINATIONS BEFORE PERFORMING ANY WORK.