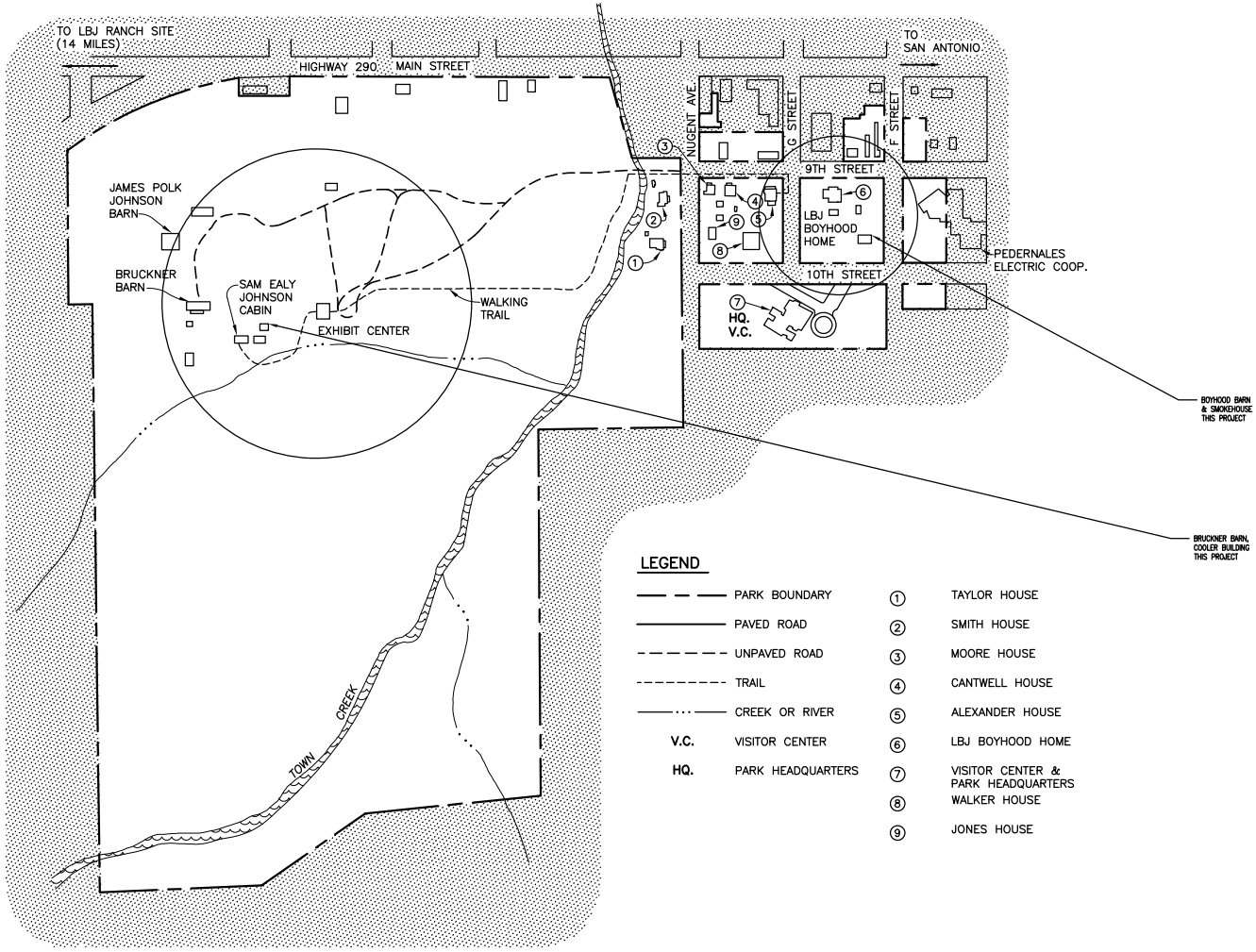
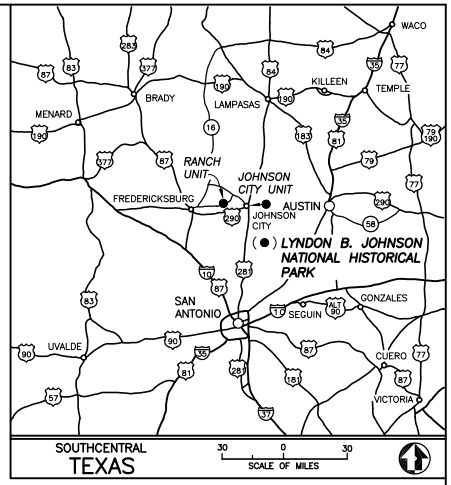


LEGEND

	PARK BOUNDARY	1	TAYLOR HOUSE
	PAVED ROAD	2	SMITH HOUSE
	UNPAVED ROAD	3	MOORE HOUSE
	TRAIL	4	CANTWELL HOUSE
	CREEK OR RIVER	5	ALEXANDER HOUSE
V.C.	VISITOR CENTER	6	LBJ BOYHOOD HOME
HQ.	PARK HEADQUARTERS	7	VISITOR CENTER & PARK HEADQUARTERS
		8	WALKER HOUSE
		9	JONES HOUSE



JOHNSON CITY UNIT

LYNDON B. JOHNSON NATIONAL HISTORICAL PARK

PMIS 241282, 250239, 156063

SCALE OF FEET
200 0 200 400
50 0 50 100
SCALE OF METERS

CONSTRUCTION DRAWINGS	TITLE OF DRAWING: REROOF HISTORIC BUILDINGS	DRAWING NO. 447 / 178199	
UNITED STATES DEPARTMENT OF THE INTERIOR	LOCATION WITHIN PARK: JOHNSON CITY UNIT	PKG. NO.	SHEET 1
NATIONAL PARK SERVICE DENVER SERVICE CENTER	NAME OF PARK: LYNDON B. JOHNSON N.H.P.		OF 13
	REGION: INTERMOUNTAIN / COUNTY: GILLESPIE / STATE: TEXAS		

BASIC DATA: BOUNDRAY MAP 447/40,008B, 447/40,009A 1/80; PARK MINI FOLDER 1985; REVISED & REDRAWN 1/95. UPDATED 11/98. SGS.

GENERAL NOTES

1. VERIFY THAT (E) CONDITIONS ARE AS INDICATED ON THE DRAWINGS. NOTIFY THE CONTRACTING OFFICER IMMEDIATELY OF VARIATIONS OR DISCREPANCIES THAT HAVE THE POTENTIAL TO AFFECT THE WORK AND DO NOT PROCEED WITH AFFECTED WORK UNTIL VARIATIONS OR DISCREPANCIES ARE FULLY RESOLVED IN CONSULTATION WITH THE CONTRACTING OFFICER.

2. PROTECT AND PREVENT DAMAGE TO ALL HISTORIC BUILDING AND HISTORIC LANDSCAPE RESOURCES. NOTIFY CONTRACTING OFFICER IMMEDIATELY IF ACCESS, TRANSPORT OF MATERIALS, OR ANY ASPECT OF THE WORK HAS THE POTENTIAL TO CAUSE DAMAGE TO HISTORIC RESOURCES. DO NOT PROCEED WITH AFFECTED WORK UNTIL POTENTIALLY–DAMAGING ACTIONS ARE FULLY RESOLVED IN CONSULTATION WITH THE CONTRACTING OFFICER.

3. PERFORM ALL CONSTRUCTION AND INSTALLATION WORK SHOWN IN ACCORDANCE WITH ALL APPLICABLE LAWS, CODES AND ORDINANCES. USE METHODS AS REQUIRED TO COMPLETE WORK WITHIN LIMITATIONS OF ALL PREVAILING CODES AND LAWS.

4. DO NOT SCALE DRAWINGS: USE DIMENSIONS SHOWN. VERIFY ALL DIMENSIONS IN THE FIELD. DIMENSIONS SHOWN AT (E) CONDITIONS ARE TO FACE OF (E) FINISH. U.O.N. DIMENSIONS AT NEW WORK ARE TO FACE OF FRAMING, U.O.N. DIMENSIONS OF (E) CONDITIONS ARE FOR REFERENCE ONLY AND SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD. WHERE NO DIMENSION IS PROVIDED, CONSULT WITH THE CONTRACTING OFFICER FOR CLARIFICATION BEFORE PROCEEDING WITH AFFECTED WORK.

5. SAFETY MEASURES: AT ALL TIMES THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONDITIONS AT THE JOB SITE, INCLUDING SAFETY OF PEOPLE AND PROPERTY. REFER TO SPECIFICATION SECTION 01 35 23 SAFETY REQUIREMENTS.

6. INSTALL MANUFACTURED MATERIALS AND EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS, UNLESS OTHERWISE INSTRUCTED.

7. ALL WASTE GENERATED BY THE WORK SHALL BE REMOVED FROM THE PREMISES AND LEGALLY DISPOSED OF BY THE CONTRACTOR. THE PREMISES SHALL BE LEFT CLEAR AND CLEAN TO THE SATISFACTION OF THE CONTRACTING OFFICER.

8. APPLICATION OF FINISH: SURFACES PREVIOUSLY PREPARED OR INSTALLED BY ANOTHER TRADE SHALL BE INSPECTED CAREFULLY BY THE CONTRACTOR BEFORE APPLYING SUBSEQUENT MATERIALS OR FINISHES. IF SURFACES ARE NOT ACCEPTABLE, THE CONTRACTING OFFICER SHALL BE NOTIFIED IMMEDIATELY IN ORDER THAT CORRECTIONS MAY BE MADE. DO NOT APPLY FINISHES TO SUBSTRATES THAT ARE NOT ACCEPTABLE.

9. INSTALL WORK PLUMB, LEVEL AND STRAIGHT WHERE APPROPRIATE TO MATCH (E). FOR THIS PROJECT, (E) HISTORIC WALLS WITH SIGNIFICANT TAPER ARE INTENDED TO MAINTAIN THE PROFILE OF THEIR ORIGINAL CONSTRUCTION. SEE SPECIFICATION SECTION 04 01 40.19 ADOBE MASONRY RESTORATION AND 09 24 23 PORTLAND CEMENT PLASTER FOR REQUIREMENTS TO ENSURE THAT HISTORIC WALL PROFILES ARE REPLICATED IN THE NEW WORK.

10. CONTRACTOR SHALL DESIGN AND INSTALL SHORING AS REQUIRED TO PERFORM WORK. RESPONSIBILITY FOR ENGINEERING, CONSTRUCTION, AND SAFETY OF THE SHORING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

11. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO BE COMPLEMENTARY.

12. CONFLICTS BETWEEN VARIOUS ELEMENTS OF THE DRAWINGS, SPECIFICATIONS, NOTES AND DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTING OFFICER AND RESOLVED BEFORE PROCEEDING WITH WORK.

13. DETAILS SHOWN SHALL BE INCORPORATED INTO THE PROJECT AT ALL APPROPRIATE LOCATIONS WHETHER SPECIFICALLY CALLED OUT OR NOT.

14. THE CONTRACTOR SHALL SUBMIT IN WRITING ANY REQUESTS FOR MODIFICATIONS TO THE PLANS AND SPECIFICATIONS. SHOP DRAWINGS SUBMITTED TO THE CONTRACTING OFFICER FOR REVIEW DO NOT CONSTITUTE "IN WRITING" UNLESS IT IS CLEARLY NOTED ON THE SUBMITTAL THAT SPECIFIC CHANGES ARE BEING REQUESTED WITH THE PHRASE "REQUESTED CHANGE." APPROVAL OF THE SUBMITTAL DOES NOT CONSTITUTE ACCEPTANCE OF THE "REQUESTED CHANGE" UNLESS IT IS SPECIFICALLY ACKNOWLEDGED IN THE SUBMITTAL REVIEW.

HAZARDOUS MATERIALS

1. HAZARDOUS MATERIALS ARE PRESENT AT THE PROJECT SITE, WHICH WILL AFFECT THE WORK OF THIS PROJECT. REFERENCE "SUMMARY REPORT: BULK ASBESTOS, LEAD–BASED PAINT AND HAZARDOUS MATERIALS SURVEY OLD SANTA FE TRAIL BUILDING 1100 OLD SANTA FE TRAIL, SANTA FE, NEW MEXICO 87505" BY SCA ENVIRONMENTAL, INC. FOR INFORMATION ON HAZARDOUS MATERIALS SAMPLING AND TESTING.

2. SEE SPECIFICATION SECTIONS RELATED TO HAZARDOUS MATERIALS FOR PROCEDURES FOR HANDLING AND DISPOSAL OF THESE MATERIALS.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR: INSURING THAT PERSONNEL WITHIN THE WORK AREA ARE PROTECTED FROM EXPOSURE TO ANY HAZARDOUS MATERIALS FROM THE WORK OF THIS PROJECT; PREVENTING CONTAMINATION OF THE SITE; AND APPROPRIATELY CHARACTERIZING MATERIALS TO ALLOW FOR THEIR HANDLING AND DISPOSAL IN ACCORDANCE WITH ALL APPLICABLE LAWS AND REGULATIONS.

HISTORICAL SIGNIFICANCE

1. THE OLD SANTA FE TRAIL BUILDING, CONSTRUCTED BETWEEN 1937 AND 1939, IS A NATIONAL HISTORIC LANDMARK (NHL). NATIONAL HISTORIC LANDMARKS ARE DESIGNATED BY THE SECRETARY OF THE INTERIOR UNDER THE AUTHORITY OF THE HISTORIC SITES ACT OF 1935, WHICH AUTHORIZES THE SECRETARY TO IDENTIFY HISTORIC BUILDINGS WHICH "POSSESS EXCEPTIONAL VALUE AS COMMEMORATING OR ILLUSTRATING THE HISTORY OF THE UNITED STATES." SECTION 110(F) OF THE NATIONAL HISTORIC PRESERVATION ACT REQUIRES THAT FEDERAL AGENCIES EXERCISE A HIGHER STANDARD OF CARE WHEN CONSIDERING UNDERTAKINGS THAT MAY DIRECTLY AFFECT NHLS. THE LAW REQUIRES THAT AGENCIES, "TO THE MAXIMUM EXTENT POSSIBLE, UNDERTAKE SUCH PLANNING AND ACTIONS AS MAY BE NECESSARY TO MINIMIZE HARM TO SUCH LANDMARK."

2. THE OLD SANTA FE TRAIL BUILDING SITE IS A DESIGNATED CULTURAL LANDSCAPE. REFERENCE THE REPORT, NATIONAL PARK SERVICE OLD SANTA FE TRAIL BUILDING CULTURAL LANDSCAPE REPORT DATED 2011. AS A CULTURAL LANDSCAPE, PROTECTION OF THE HISTORIC LANDSCAPE IS ALSO REQUIRED.

3. AS A RESULT OF ITS STATUS AS AN NHL AND A DESIGNATED CULTURAL LANDSCAPE, ALL WORK MUST BE CONDUCTED BY THE CONTRACTOR IN A MANNER THAT PRIORITIZES PROTECTION OF THE EXISTING HISTORIC BUILDING AND SITE FROM DAMAGE DURING CONSTRUCTION. THE WORK WILL REQUIRE USING MEANS AND METHODS CAREFULLY SELECTED TO BE LEAST DAMAGING TO THE HISTORIC BUILDING AND SITE. MEANS AND METHODS ARE CONSTRAINED TO THOSE THAT WILL AFFORD THE BUILDING PROTECTION AGAINST DAMAGE OF ANY KIND.

HISTORIC TREATMENT STANDARD

1. THE WORK OF THIS PROJECT IS TO BE CONDUCTED IN A MANNER CONSISTENT WITH "THE SECRETARY OF THE INTERIOR'S STANDARDS FOR THE TREATMENT OF HISTORIC PROPERTIES."

2. PRESERVATION IS THE TREATMENT STANDARD TO BE APPLIED TO THE WORK OF THIS PROJECT.

CIVIL SYMBOLS

EXISTING	PROPOSED	
		BOUNDARY
		LIMIT OF WORK
S	X"S	SANITARY SEWER
ST	X"ST	SOLID STORM DRAIN
W	W	DOMESTIC WATER SERVICE
E	UE	ELECTRIC
G	G	NATURAL GAS
X	X	FENCE
		CLEAN OUT TO GRADE
		FOUND MONUMENT
M	M	METER BOX
		VALVE
		FIRE HYDRANT
		STREET LIGHT
		MANHOLE
		CATCH BASIN
		CANALE
1 / C101		DETAIL NUMBER / SHEET LOCATION

ARCH SYMBOLS

XXX ROOM TAG

X KEY NOTE

NORTH ARROW

X / AXXX DETAIL CALLOUT

XX.X.XX WOOD ELEMENT I.D. TAG
- ID NUMBER
- VIGA OR CANALE
- ELEVATION
- EXTERIOR OR COURTYARD

X / AXXX EXTERIOR ELEVATION TAG

X / AXXX SECTION TAG

X WALL TAG

X REV REVISION TAG

LEVEL 100'-0" ELEVATION TAG

ARCH MATERIAL LEGEND

FINISH WOOD
STUCCO
CONCRETE
RIGID INSULATION
BATT INSULATION
EARTH
STEEL
ADOBE
STONE MASONRY (SECTION)
STONE MASONRY (ELEVATION)

DRAWING INDEX

SHEET	SUB SHEET	TITLE
GENERAL		
1	–	COVER SHEET
2	G–00	GENERAL NOTES, SYMBOLS, & INDEX
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ARCH		
4	A–01	SETTLEMENT CABIN ELEVATIONS (BID OPTION #01)
5	A–02	SETTLEMENT CABIN FLOOR PLAN (BID OPTION #01)
6	A–03	BRUCKNER BARN FLOOR PLAN
7	A–04	BRUCKNER BARN ELEVATIONS
8	A–05	BRUCKNER BARN ELEVATIONS, CONT.
9	A–06	STUBS COOLER BUILDING ELEVATIONS
10	A–07	BOYHOOD HOME – BARN AND SMOKEHOUSE ELEVATIONS
11	A–8	COMPOSITE SHAKE/SHINGLE DETAILS (SYNTHETIC CEDAR)
12	A–9	LIGHTNING PROTECTION PLANS
13	A–10	LIGHTNING PROTECTION DETAILS

DESIGNED: UMG DRAWN: RJB TECH. REVIEW: REGION DATE: 04/2026	SUB SHEET NO. G–00	TITLE OF SHEET REROOF HISTORIC STRUCTURES GENERAL NOTES, SYMBOLS, & INDEX LYNDON JOHNSON NATIONAL HISTORIC PARK NATIONAL PARK SERVICE	DRAWING NO. 477 178199 PMIS/PKG NO. 241282, 250239, 156063 SHEET 2 OF 13

1/20/17 11:58 REVARL R19 P:\2016\2016.1XXX\2016.1202.1 – OLD SANTA FE TRAIL BLDG DD–CD (UMG)\05 CONSTRUCTION DOCUMENTS\01 DRAWINGS\DSTR\200486\DRAWINGS\GEN\G001–INDEX.DWG

CIVIL ABBREVIATIONS

AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
AD	AREA DRAIN
ATD	ATRIUM DRAIN
BFPD	BACK FLOW PREVENTION DEVICE
BSTD	BRICKSLOT TRENCH DRAIN
BW	BOTTOM OF WALL ELEVATION
CB	CATCH BASIN
CL	CENTER LINE
CS	CRAWL SPACE ELEVATION
CIP	CAST IRON PIPE
CONC	CONCRETE
DD	DECK DRAIN
DDCV	DOUBLE DETECTOR CHECK VALVE
DIP	DUCTILE IRON PIPE
DS	ROOF DOWN SPOUT
DW	DOMESTIC WATER LINE
DWL	DRYWELL CATCH BASIN
DWY	DRIVEWAY
(E)	EXISTING
EG	EXISTING GRADE
ELEC	ELECTRICAL
EM	ELECTRICAL METER
EP	EDGE OF PAVEMENT
FC	FACE OF CURB ELEVATION
FDC	FIRE DEPARTMENT CONNECTION
FF	FINISHED FLOOR ELEVATION
FG	FINISHED GROUND ELEVATION
FL	FLOW LINE ELEVATION
FM	FORCE MAIN LINE
FS	FINISHED SURFACE ELEVATION
FP	FINISHED PAVEMENT ELEVATION
FW	FIRE WATER LINE
GB	GRADE BREAK
GM	GAS METER
GR	GRATE ELEVATION
GV	GATE VALVE
HP	HIGH POINT
INV	INVERT ELEVATION
JT	JOINT TRENCH
JP	JOINT POLE
LD	LANDSCAPE DRAIN
LF	LINEAR FEET
LP	LOW POINT
(N)	NEW
PIV	POST INDICATOR VALVE
PKG	PARKING
POC	POINT OF CONNECTION
RET	RETAINING WALL
RIM	RIM ELEVATION
S	SLOPE
SAP	SEE ARCHITECTURAL PLANS
SBD	STORM SUB DRAIN
SBDCO	STORM SUB DRAIN CLEANOUT
SD	STORM DRAIN
SDCO	STORM DRAIN CLEANOUT
SGR	SEE GEOTECHNICAL REPORT
SICB	SIDE INLET CATCH BASIN
SLP	SEE LANDSCAPE PLANS
SPP	SEE PLUMBING PLANS
SS	SANITARY SEWER
SSCO	SANITARY SEWER CLEANOUT
SSP	SEE STRUCTURAL PLANS
TW	TOP OF WALL ELEVATION
TYP	TYPICAL
USD	UNDERSLAB DRAIN
VD	PIPE VERTICAL DROP
W	DOMESTIC WATER LINE
WM	WATER METER

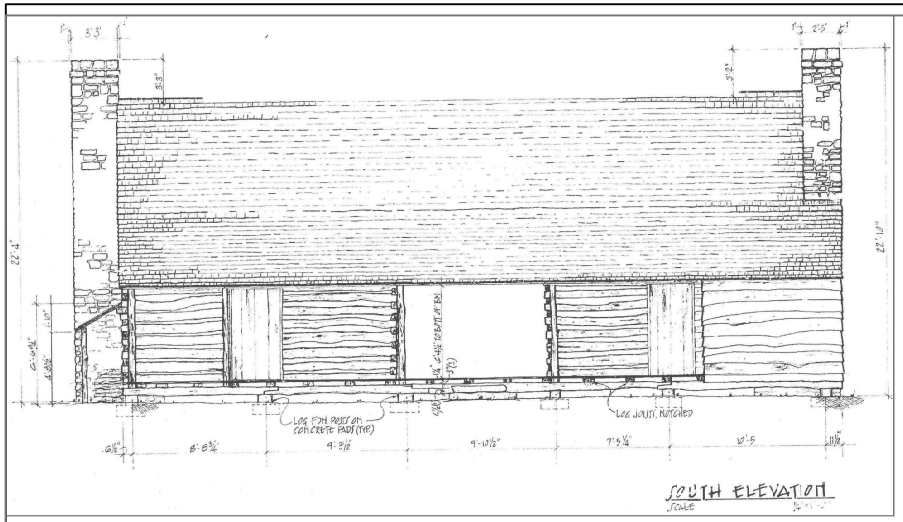
ARCH ABBREVIATIONS

&	AND
@	AT
AB	ANCHOR BOLT
ABAAS	ARCHITECTURAL BARRIERS ACT ACCESSIBILITY STANDARDS
A/C	AIR CONDITION/ING
A/E	ARCHITECT/ENGINEER
ACOUS	ACOUSTICAL
ADJ	ADJUSTABLE
AFF	ABOVE FLOOR FINISH
AGGR	AGGREGATE
AHJ	AUTHORITY HAVING JURISTICTION
ALUM	ALUMINUM
AMR	ALTERNATE MEANS OF RESOLUTION
APPROX	APPROXIMATE
ARCH	ARCHITECT
ASPH	ASPHALT
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS
BATH	BATHROOM
BD	BOARD
BITUM	BITUMINOUS
BLDG	BUILDING
BLKG	BLOCKING
BLW	BELOW
BM	BEAM
BO	BOTTOM OF ___
BOS	BOTTOM OF STEEL
BOT	BOTTOM
BR	BEDROOM
BTWN	BETWEEN
BU	BUILT UP
BUR	BUILT UP ROOFING
CAB	CABINET
CB	CATCH BASIN
CBB	CEMENT BACKER BOARD
CBC	CALIFORNIA BUILDING CODE
CD	CONTRACT DOCUMENTS
CE	CIVIL ENGINEER
CEM	CEMENT PLASTER
CER	CERAMIC
CERT	CERTIFY
CFLG	COUNTERFLASHING
CI	CAST IRON
CJ	CONTROL JOINT
CONSTR. JT	CONSTRUCTION JOINT
CL	CENTER LINE
CLR	CLEAR
CLG	CEILING
CLO	CLOSET
CM	CONSTRUCTION MANAGEMENT
CMU	CONCRETE MASONRY UNIT
CNCL	CONCEALED
CO	CLEAN OUT
CSMT	CASEMENT
CSWK	CASEWORK
CT	CERAMIC TILE
CTG	COATING
CTR	CENTER
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUOUS
CORR	CORRIDOR
D	PENNY (NAIL)
DA	DISABLED
D-B	DOUBLE
DEL	DELETE
DEMO	DEMOLITION
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DFTG	DRAFTING
DH	DOUBLE HUNG
DIA	DIAMETER
DIAG	DIAGONAL
DIFF	DIFFERENCE
DIM	DIMENSION
DJ	DOUBLE JOIST
DOUG FIR	DOUGLAS FIR
DN	DOWN
DR	DOOR
DRM	DINING ROOM
DRN	DRAIN
DS	DOWNSPOUT
DSGN	DESIGN
DSPL	DISPOSAL
DW	DISHWASHER
DWG	DRAWING
DWH	DOMESTIC HOT WATER
DWV	DRAIN, WASTE, VENT
(E)	EXISTING
EA	EACH
EGSB	EXTERIOR GYPSUM SHEATHING BOARD
EJ	EXPANSION JOINT
EL	ELEVATION
ELAST	ELASTOMERIC
ELEC	ELECTRIC
ELEV	ELEVATOR
EM	ELECTRIC METER
ENGR	ENGINEER
EO	EDGE OF ___
EOC	EDGE OF CURB
EOS	EDGE OF SLAB
EP	ELECTRIC PANEL
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EXH	EXHAUSE
EXP	EXPANSION/EXPANDED
EXP-BT	EXPANSION BOLT
EXT	EXTERIOR
FAR	FLOOR AREA RATIO
FAS	FASCIA
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FDTN	FOUNDATION
FH	FLAT HEAD
FHP	FULL HEIGHT PARTITION
FIL	FILLET
FIN	FINISH
FLR	FLOOR
FIXT	FIXTURE
FLASH	FLASHING
FLG	FLOORING
FLUOR	FLUORESCENT
FM	FACTORY MUTUAL
FMBD	FORM BOARD
FO	FACE OF ___
FOC	FACE OF CURB
FOF	FACE OF FINISH
FOS	FACE OF STUD
FOW	FACE OF WALL
FP	FIRE PROOF
FPL	FIREPLACE
FR	FRAME
FRA	FIRE RATED ASSEMBLY
FRTW	FIRE RETARDANT TREATED WOOD
FT	FOOT OR FEET
FTG	FOOTING
FURG	FURRING
FURN	FURNACE
FW	FIRE WALL
FWRK	FORMWORK
G	GIRDER
G DISPL	GARBAGE DISPOSAL
GA	GAUGE
GALV	GALVANIZED
GB	GAS BIBB
GC	GENERAL CONTRACTOR
GCO	GRADE CLEANOUT
GDR	GUARDRAIL
GFRC	GLASS FIBER REINFORCED CONCRETE
GI	GALVANIZED IRON
GL	GLASS
GLU LAM	GLUED LAMINATED WOOD
GM	GAS METER
GR BM	GRADE BEAM
GSM	GALVANIZED SHEET METAL
GSU	GLAZED STRUCTURAL UNIT
GT	GROUT
GUT	GUTTER
GYP	GYPSUM
GYP BD	GYPSUM BOARD
H	HIGH
HAZ	HAZARDOUS
HB	HOSE BIBB
HC	HOLLOW CORE
HCMU	HOLLOW CONCRETE MASONRY UNIT
HCP	HANDIPCAPPED
HDO	HIGH DENSITY OVERLAY
HDR	HEADER
HDW	HARDWARE
HDWD	HARDWOOD
HLDN	HOLDDOWN
HM	HOLLOW METAL
HNDRL	HANDRAIL
HORIZ	HORIZONTAL
HT	HEIGHT
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
H.W.	HOT WATER
IBC	INTERNATIONAL BUILDING CODE
IEBC	INTERNATIONAL EXISTING BULIDING CODE
IIC	IMPACT ISOLATION CLASS
IN	INCH
INSUL	INSULATION
INCL	INCLUDED
INFO	INFORMATION
INSTL	INSTALL
INT	INTERIOR
INV	INVERT
IS	INSECT SCREEN
IWH	INSTANTANEOUS WATER HEATER
JST	JOIST
JT	JOINT
KIT	KITCHEN
L	ANGLE
LAM	LAMINATED
LAV	LAVATORY
LB	POUND
LBR	LUMBER
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LR	LIVING ROOM
LT	LIGHT
LTG	LIGHTING
LV	LOW VOLTAGE
LVR	LOUVER
LWC	LIGHT WEIGHT CONCRETE
LWIC	LIGHT WEIGHT INSULATING CONCRETE
LYT	LAYOUT
M	MASTER
MATL	MATERIAL
MAX	MAXIMUM
MB	MASTER BEDROOM
MC	MOISTURE CONTENT
MCB	METAL CORNER BEAD
MDO	MEDIUM DENSITY OVERLAY
ME	MECHANICAL ENGINEER
MECH	MECHANICAL
MED	MEDIUM
MEMB	MEMBRANE
MFD	MANUFACTURED
MFR	MANUFACTURER
MFR REC	MANUFACTURER'S RECOMMENDATION
MID	MIDDLE
MIN	MINIMUM
MIRR	MIRROR
MISC	MISCELLANEOUS
ML	METAL LATH
MO	MASONRY OPENING
MT	MOUNT
MTL	METAL
MW	MICROWAVE
(N)	NEW
NA	NOT APPLICABLE
NATL	NATIONAL
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NPS	NATIONAL PARK SERVICE
NS	NO SCALE
NTS	NOT TO SCALE
O/	OVER
OC	ON CENTER
OF/CI	OWNER FURNISHED/CONTRACTOR INSTALLED
OFD	OVERFLOW DRAIN
OFF	OFFICE
OF/OI	OWNER FURNISHED/OWNER INSTALLED
OH	OPPOSITE HAND
OOP	OUT OF PLANE
OPNG	OPENING
OPP	OPPOSITE
OPR	OPERABLE
OPT	OPTIONAL
ORIG	ORIGINAL
OVFL	OVERFLOW
PAR	PARAPET
PARG	PARGING
PBD	PARTICLE BOARD
PC	PORTLAND CEMENT
PCC	PRECAST CONCRETE
PEN	PENETRATE
PERF	PERFORATED
PERP	PERPENDICULAR
PL	PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLYWD	PLYWOOD
PR	PAIR
PRCST	PRECAST
PREFAB	PREFABRICATE
PREFIN	PREFINISH
PREFMD	PREFORMED
PRELIM	PRELIMINARY
PREP	PREPARE
PRF	PROOF
PS CONC	PRESTRESSED CONCRETE
PT	PRESSURE TREATED
PT CONC	POST-TENSIONED CONCRETE
PTN	PARTITION
PUR	PURLINS
PVG	PAVING
QA	QUALITY ASSURANCE
QC	QUALITY CONTROL
QTR	QUARTER
QTY	QUANTITY
QUAL	QUALITY
R	RISER
RAD	RADIUS
RB	RESILIENT BASE
RBM	REINFORCED BRICK MASONRY
RC	REINFORCED ONCRETE
RCP	RELFECTED CEILING PLAN
RD	ROOF DRAIN
RDG INS	RIGID INSULATION, SOLID
REBAR	REINFORCING STEEL BAR
REC	RECESSED
REF	REFRIGERATOR
REINF	REINFORCED/REINFORCING
REP	REPAIR
REQD	REQUIRE
RESIL	RESILIENT
REST	RESTROOM
RTNG	RETAINING
REV	REVISIONS
RFG	ROOFING
RL	ROOF LEADER
RLG	RAILING
RM	ROOM
RND	ROUND
RO	ROUGH OPENING
RR	ROLL ROOFING
RS	ROUGH SAWN
RST	RESISTIVE/RESISTANT
RT	RIGHT
RTD	RETARDER/RETARDANT
RTG	RATING
RTU	ROOF TOP UNIT
RV	ROOF VENT
RVL	REVEAL
RVS	REVERSE
RWD	REDWOOD
RWL	RAIN WATER LEADER
S1S	SURFACED ONE SIDE
S2S	SURFACED TWO SIDES
S4S	SURFACED FOUR SIDES
SAD	SEE ARCH. DRAWINGS
SALV	SALVAGE
SAN	SANITARY
SACT	SUSPENDED ACOUSTICAL CEILING TILE
SAF	SELF ADHERED FLASHING
SAM	SELF ADHERED MEMBRANE
SUBSTR	SUBSTRATE
SC	SOLID CORE
SCD	SEE CIVIL DRAWINGS
SCHED	SCHEDULE
SCHEM	SCHEMATIC
SCMU	SOLID MASONRY UNIT
SCP	SCUPPER
SCT	STRUCTURAL CLAY TILE
SD	STORM DRAIN
SE	STRUCTURAL ENGINEER
SED	SEE ELECTRICAL DRAWINGS
SECT	SECTION
SF	SQUARE FOOT/FEET
SFTWD	SOFTWOOD
SGD	SLIDING GLASS DOOR
SGL	SINGLE
SH	SINGLE HUNG
SHPO	STATE HISTORIC PRESERVATION OFFICER
SHT	SHEET
SHTHG	SHEATING
SIM	SIMILAR
SJ	SCORED JOINT
SKLT	SKYLIGHT
SLD	SEE LANDSCAPE DRAWINGS
SLDG	SLIDING
SLNT	SEALANT
SM	SHEET METAL
SMD	SEE MECHANICAL DRAWINGS
SPD	SEE PLUMBING DRAWINGS
SPEC	SPECIFICATION
SQ	SQUARE
SS	SANITARY SEWER
SSD	SEE STRUCTURAL DRAWINGS
SST	STAINLESS STEEL
ST	STREET
STAG	STAGGERED
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STIF	STIFFENER
STL	STEEL
STOR	STORAGE
STR	STRINGER
STRUCT	STRUCTURAL
SUB FL	SUBLFOOR
SUSP	SUSPENDED
SV	SHEET VINYL
SYM	SYMBOL
SYMM	SYMMETRICAL
T	TREAD
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
T&M	TIME AND MATERIALS
TBD	TO BE DETERMINED
TC	TERRA COTTA
TD	TRENCH DRAIN
TEL	TELEPHONE
TEMP	TEMPORARY
THK	THICKNESS
THRES	THRESHOLD
THRU	THROUGH
THRUOUT	THROUGHOUT
TMPD	TEMPERED
TO	TOP OF ___
TOC	TOP OF CURB
TOW	TOP OF WALL
TPD	TOILET PAPER DISPENSER
TRTD	TREATED
TS	TUBE STEEL
TYP	TYPICAL
UL	UNDERWRITERS LABORTORIES
UNO	UNLESS NOTED OTHERWISE
VAP	VAPOR
VCT	VINYL COMPOSITION TILE
VENT	VENTILATION
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VG	VERTICAL GRAIN
W	WIDE
W/	WITH
W/O	WITHOUT
WD	WOOD
WDW	WINDOW
WEA	WEATHER
WF	WIDE FLANGE
WH	WATER HEATER
WM	WATER METER
WO	WHERE OCCURS
WRB	WEATHER RESISTIVE BARRIER
WS	WEATHER STRIP
WT	WEIGHT
WTR	WATER
YD	YARD

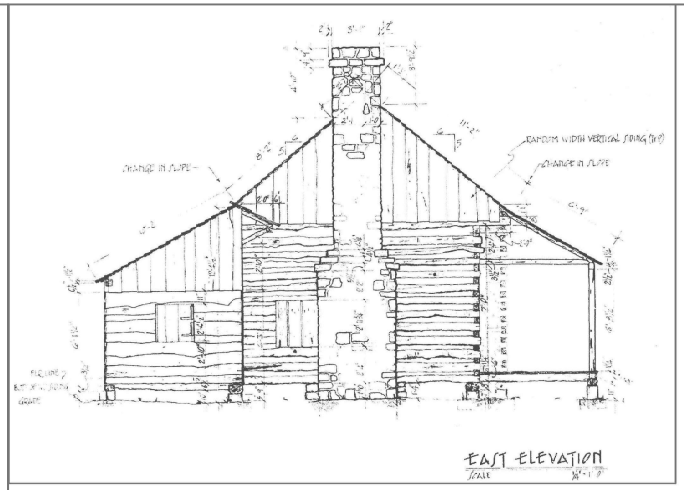
DESIGNED: UMG	SUB SHEET NO.	TITLE OF SHEET
DRAWN: RJB	G-01	ABBREVIATIONS
TECH. REVIEW:		REROOF HISTORIC STRUCTURES AT SETTLEMENT & BOYHOOD HOME
DATE: 04/20/2026		LYNDON JOHNSON NATIONAL HISTORIC PARK NATIONAL PARK SERVICE

DRAWING NO. 477 178199
PMIS/PKG NO. 241282, 250239, 156063
SHEET 3 OF 13

1/20/17 11:58 RBYARL R19 P:\2016\2016.1200\1.1XXX\2016.1202.1 - OLD SANTA FE TRAIL BLDG DD-CD (UMG)\05 CONSTRUCTION DOCUMENTS\01 DRAWINGS\CSTR\2004565\DRAWINGS\GEN\G002-ABBREVIATIONS.DWG



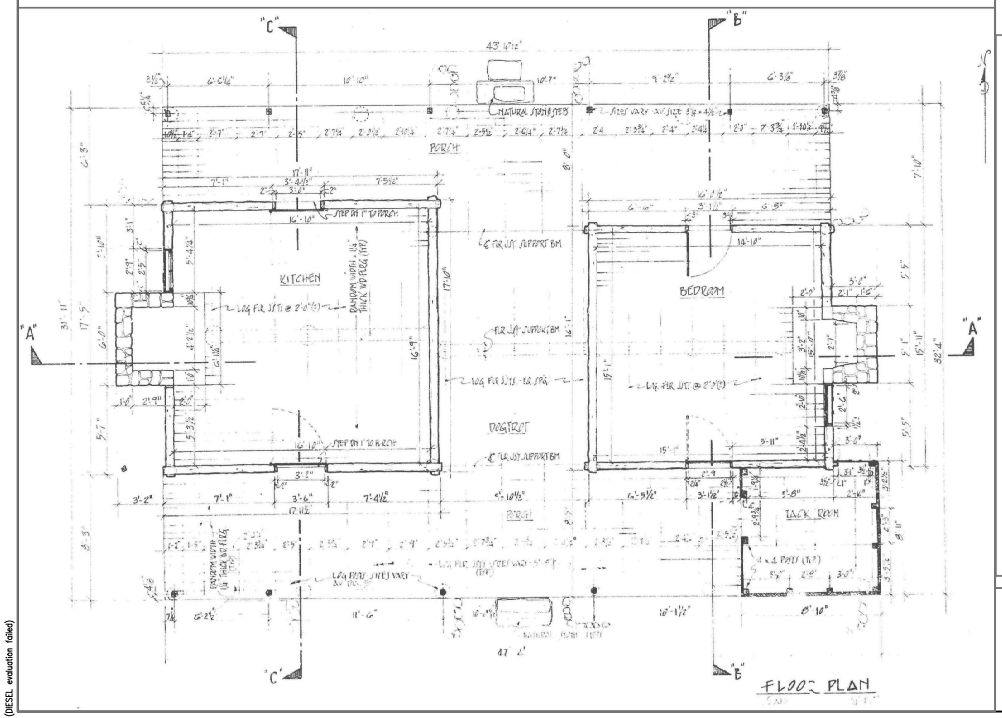
SOUTH ELEVATION
SCALE



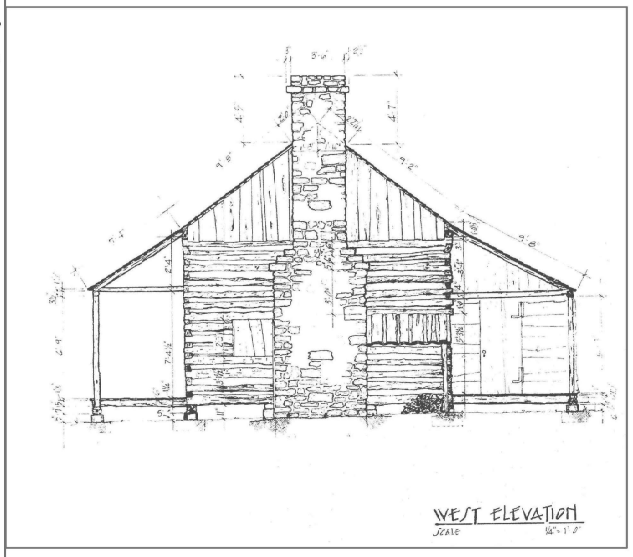
EAST ELEVATION
SCALE

GENERAL NOTES:

1. THE DRAWINGS ARE BASED UPON SURVEY OR FIELD MEASUREMENTS – VERIFICATION OF EXISTING CONDITIONS. IT IS BASED UPON SCANNED COPIES OF EXISTING DRAWINGS. THE ACCURACY OF DIMENSIONS, PROPORTIONS, SCALES OF RELATIVE FEATURES ARE PURELY FOR REPRESENTATIONAL PURPOSES.
2. THE SCOPE OUTLINED IN THE DOCUMENTS IS BASED ON A SINGLE SITE VISIT TO THE PROJECT SITE THAT INVOLVED VISUAL OBSERVATIONS. NO EXPLORATORY PROBES OR MATERIAL TESTING WAS PERFORMED.
3. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION.



FLOOR PLAN
SCALE



WEST ELEVATION
SCALE

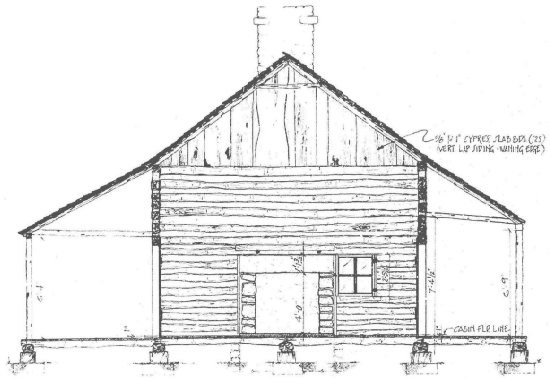
SETTLEMENT CABIN NOTES:

1. WORK UNDER THIS CONTRACT INCLUDES REPLACEMENT OF CEDAR SHINGLE ROOF WITH COMPOSITE CEDAR–LOOK SHINGLES, PURLINS (2X6 RS), AND REHABILITATION OF THE LIGHTNING PROTECTION SYSTEM.
2. REFER TO SHEET A–11 (COMPOSITE WOOD SHINGLE DETAILS), SHEET A–12 (LIGHTNING PROTECTION PLAN), AND SHEET A–13 (LIGHTNING PROTECTION DETAILS).

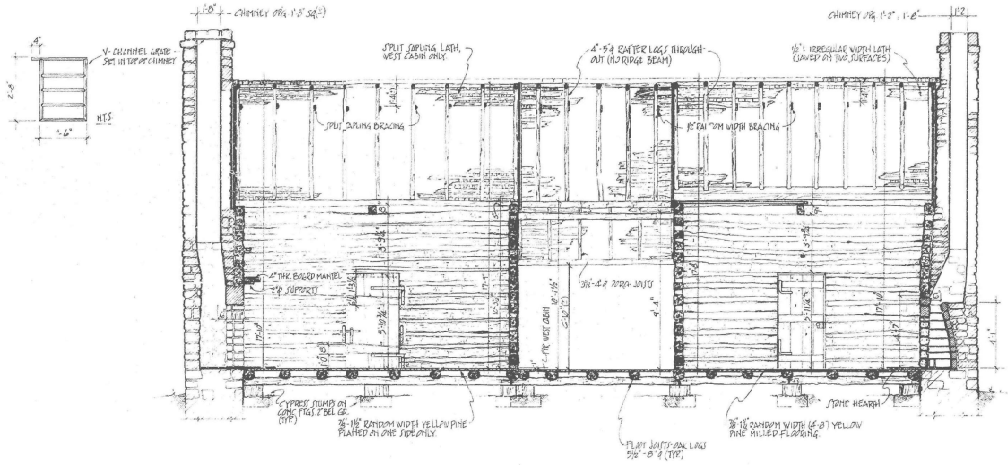
BID OPTION "01" REPLACE CEDAR SHINGLES WITH SYNTHETIC/COMPOSITE CEDAR SHAKE/SHINGLES

DESIGNED: CLV DRAWN: CLV TECH. REVIEW: REGION DATE: 04_2026	SUB SHEET NO. A–01	TITLE OF SHEET SETTLEMENT CABIN PLAN AND ELEVATIONS REROOF HISTORIC BUILDINGS SETTLEMENT TOWN UNIT LYNDON B. JOHNSON NATIONAL HISTORIC PARK	DRAWING NO. 477 178199 PMIS/PKG NO. 241282, 250239, 156063 SHEET 4 OF 13

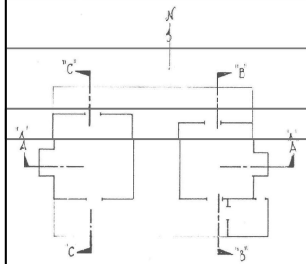
(DIESEL evaluation failed)



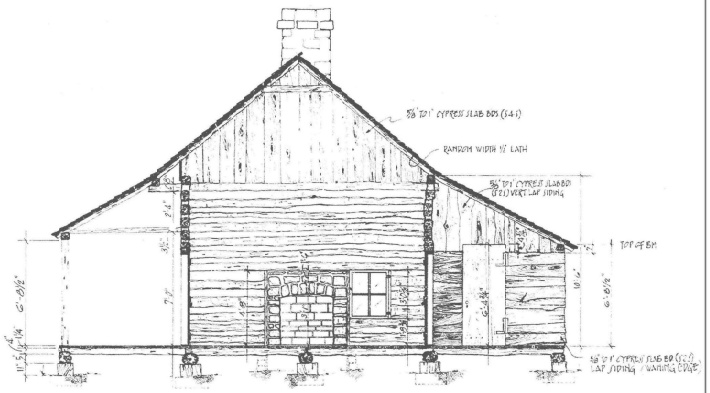
SECTION "C-C"
SCALE 1/4"=1'-0"



SECTION "A-A"
SCALE 1/4"=1'-0"



KEY



SECTION "B-B"
SCALE 1/4"=1'-0"

GENERAL NOTES:

1. THE DRAWINGS ARE BASED UPON SURVEY OR FIELD MEASUREMENTS – VERIFICATION OF EXISTING CONDITIONS. IT IS BASED UPON SCANNED COPIES OF EXISTING DRAWINGS. THE ACCURACY OF DIMENSIONS, PROPORTIONS, SCALES OF RELATIVE FEATURES ARE PURELY FOR REPRESENTATIONAL PURPOSES.
2. THE SCOPE OUTLINED IN THE DOCUMENTS IS BASED ON A SINGLE SITE VISIT TO THE PROJECT SITE THAT INVOLVED VISUAL OBSERVATIONS. NO EXPLORATORY PROBES OR MATERIAL TESTING WAS PERFORMED.
3. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION.

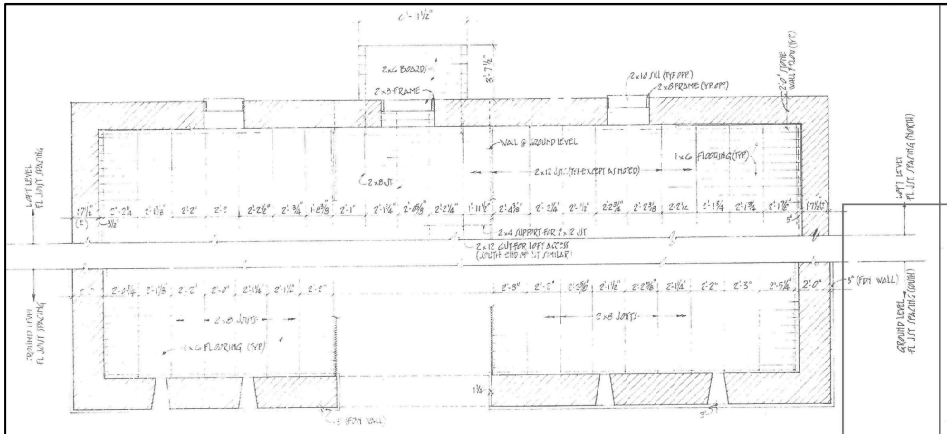
SETTLEMENT CABIN NOTES:

1. WORK UNDER THIS CONTRACT INCLUDES REPLACEMENT OF CEDAR SHINGLE ROOF WITH COMPOSITE CEDAR-LOOK SHINGLES, PURLINS (2X6 RS), AND REHABILITATION OF THE LIGHTNING PROTECTION SYSTEM.
2. REFER TO SHEET A-11(COMPOSITE WOOD SHINGLE DETAILS), SHEET A-12 (LIGHTNING PROTECTION PLAN), AND SHEET A-13 (LIGHTNING PROTECTION DETAILS).

BID OPTION "01" REPLACE CEDAR SHINGLES WITH SYNTHETIC/COMPOSITE CEDAR SHAKE/SHINGLES

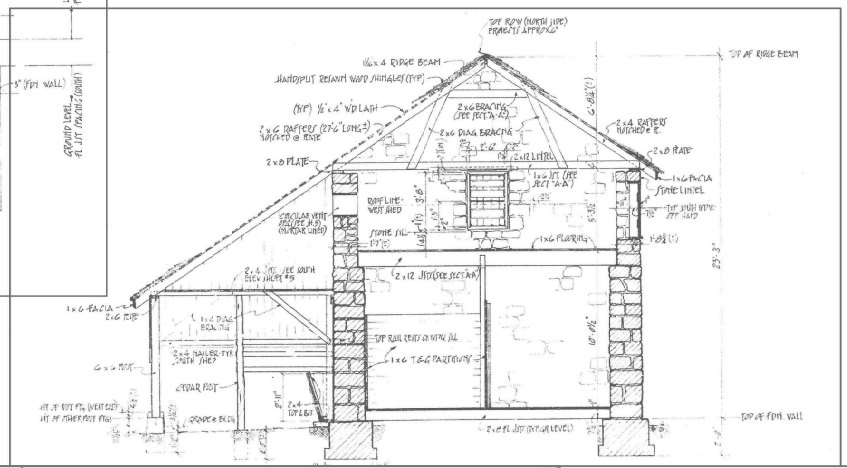
DESIGNED: NA	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO.
DRAWN: CLV	A-02	SETTLEMENT CABIN SECTIONS REROOF HISTORIC BUILDINGS	477 178199
TECH. REVIEW: REGION			PMIS/PKG NO. 241202, 250239, 158063
DATE: 04/2026		JOHNSON CITY UNIT LYNDON B. JOHNSON NATIONAL HISTORIC PARK	SHEET 5 OF 13

(DIESEL evaluation failed)



FLOOR JOIST SPACING

SCALE 1/4" = 1'-0"

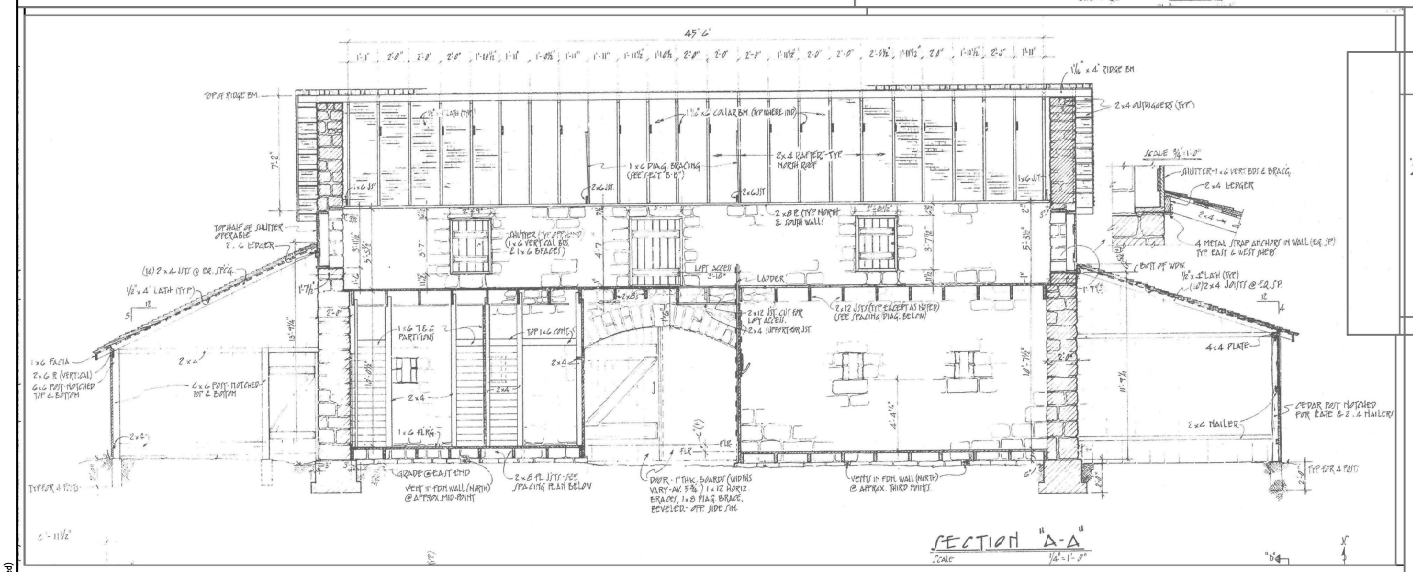


GENERAL NOTES:

1. THE DRAWINGS ARE BASED UPON SURVEY OR FIELD MEASUREMENTS – VERIFICATION OF EXISTING CONDITIONS. IT IS BASED UPON SCANNED COPIES OF EXISTING DRAWINGS. THE ACCURACY OF DIMENSIONS, PROPORTIONS, SCALES OF RELATIVE FEATURES ARE PURELY FOR REPRESENTATIONAL PURPOSES.
2. THE SCOPE OUTLINED IN THE DOCUMENTS IS BASED ON A SINGLE SITE VISIT TO THE PROJECT SITE THAT INVOLVED VISUAL OBSERVATIONS. NO EXPLORATORY PROBES OR MATERIAL TESTING WAS PERFORMED.
3. ELEVATIONS ARE FOR INFORMATIONAL PURPOSES ONLY.
4. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION.

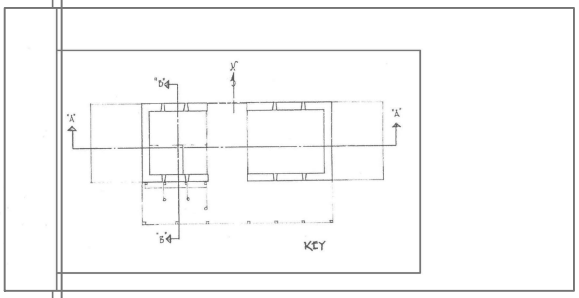
BRUCKNER BARN NOTES:

1. WORK UNDER THIS CONTRACT INCLUDES REPLACEMENT OF CEDAR SHINGLE ROOF WITH COMPOSITE CEDAR-LOOK SHINGLES, PURLINS (2X6 RS), AND REHABILITATION OF THE LIGHTNING PROTECTION SYSTEM.
2. REFER TO SHEET A-11(COMPOSITE WOOD SHINGLE DETAILS), SHEET A-12 (LIGHTNING PROTECTION PLAN), AND SHEET A-13 (LIGHTNING PROTECTION DETAILS).



SECTION "A-A"

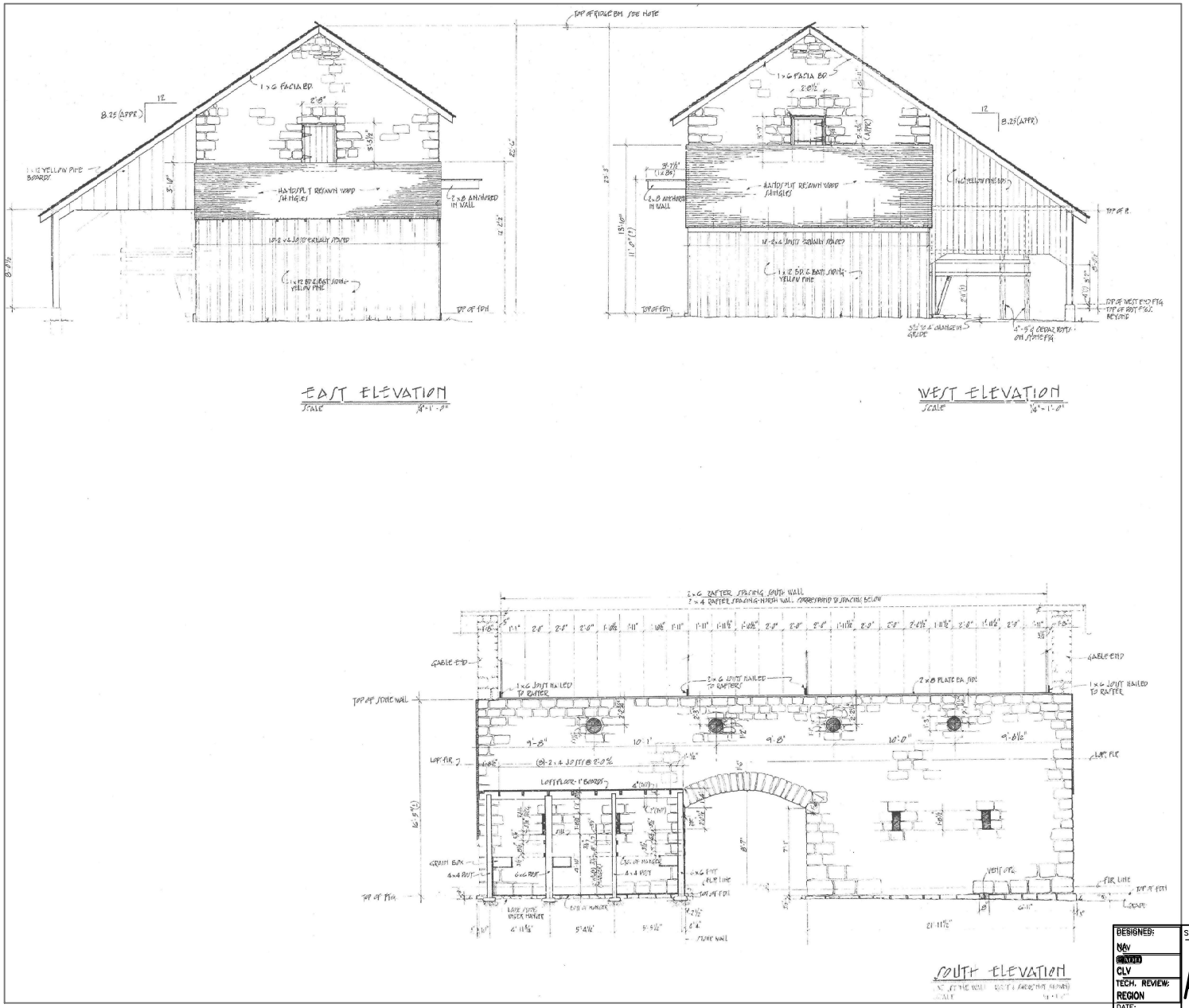
SCALE 1/4" = 1'-0"



KEY

DESIGNED: NA	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO.
DRAWN: CLV	A-03	BRUCKNER BARN SECTIONS REROOF HISTORIC BUILDINGS	477 178199
TECH. REVIEW: REGION			PMIS/PKG NO. 241202, 250239, 156063
DATE: 04/2026		JOHNSON CITY UNIT LYNDON B. JOHNSON NATIONAL HISTORIC PARK	SHEET 6 OF 13

(DIGEL evaluation failed)



GENERAL NOTES:

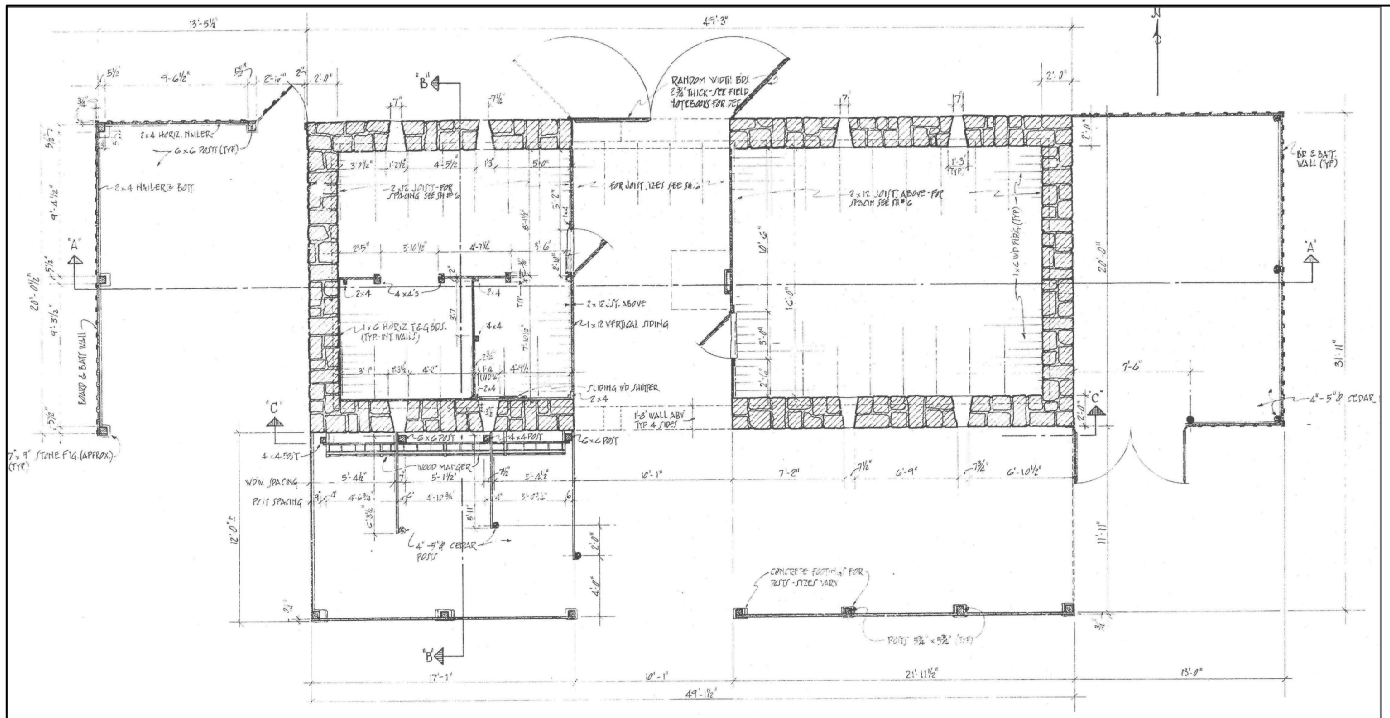
1. THE DRAWINGS ARE BASED UPON SURVEY OR FIELD MEASUREMENTS – VERIFICATION OF EXISTING CONDITIONS. IT IS BASED UPON SCANNED COPIES OF EXISTING DRAWINGS. THE ACCURACY OF DIMENSIONS, PROPORTIONS, SCALES OF RELATIVE FEATURES ARE PURELY FOR REPRESENTATIONAL PURPOSES.
2. THE SCOPE OUTLINED IN THE DOCUMENTS IS BASED ON A SINGLE SITE VISIT TO THE PROJECT SITE THAT INVOLVED VISUAL OBSERVATIONS. NO EXPLORATORY PROBES OR MATERIAL TESTING WAS PERFORMED.
3. ELEVATIONS ARE FOR INFORMATIONAL PURPOSES ONLY.
4. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION.

CKNER BARN NOTES:

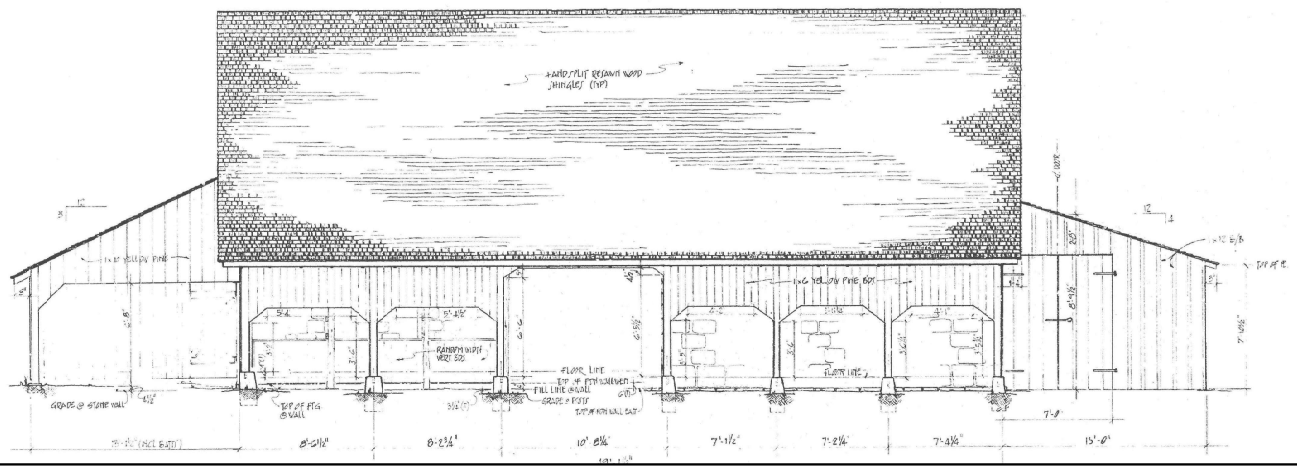
WORK UNDER THIS CONTRACT INCLUDES REPLACEMENT OF CEDAR SHINGLE ROOF WITH COMPOSITE CEDAR-LOOK SHINGLES, PURLINS (2X6 RS), AND REHABILITATION OF THE LIGHTNING PROTECTION SYSTEM.
REFER TO SHEET A-11 (COMPOSITE WOOD SHINGLE DETAILS), SHEET A-12 (LIGHTNING PROTECTION PLAN), AND SHEET A-13 (LIGHTNING PROTECTION DETAILS).

DESIGNED: NAV	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO.
DRAWN: CLV	A-04	BRUCKNER BARN ELEVATIONS REROOF HISTORIC BUILDINGS	477 178199
TECH. REVIEW: REGION			PMIS/PKG NO. 241202, 250239, 156063
DATE: 04/2026		JOHNSON CITY UNIT LYNDON B. JOHNSON NATIONAL HISTORIC PARK	SHEET 7 OF 13

(DIESEL evaluation failed)



FLOOR PLAN
SCALE 1/4" = 1'-0"



GENERAL NOTES:

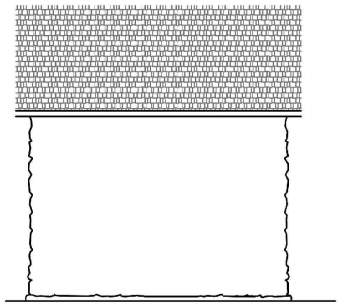
1. THE DRAWINGS ARE BASED UPON SURVEY OR FIELD MEASUREMENTS – VERIFICATION OF EXISTING CONDITIONS. IT IS BASED UPON SCANNED COPIES OF EXISTING DRAWINGS. THE ACCURACY OF DIMENSIONS, PROPORTIONS, SCALES OF RELATIVE FEATURES ARE PURELY FOR REPRESENTATIONAL PURPOSES.
2. THE SCOPE OUTLINED IN THE DOCUMENTS IS BASED ON A SINGLE SITE VISIT TO THE PROJECT SITE THAT INVOLVED VISUAL OBSERVATIONS. NO EXPLORATORY PROBES OR MATERIAL TESTING WAS PERFORMED.
3. ELEVATIONS ARE FOR INFORMATIONAL PURPOSES ONLY.
4. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION.

BRUCKNER BARN NOTES:

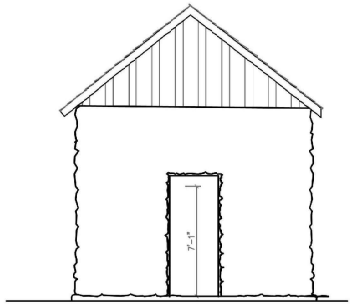
1. WORK UNDER THIS CONTRACT INCLUDES REPLACEMENT OF CEDAR SHINGLE ROOF WITH COMPOSITE CEDAR-LOOK SHINGLES, PURLINS (2X6 RS), AND REHABILITATION OF THE LIGHTNING PROTECTION SYSTEM.
2. REFER TO SHEET A-11 (COMPOSITE WOOD SHINGLE DETAILS), SHEET A-12 (LIGHTNING PROTECTION PLAN), AND SHEET A-13 (LIGHTNING PROTECTION DETAILS).

DESIGNED: NA	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO.
CADD CLV	A-05	BRUCKNER BARN PLAN REROOF HISTORIC BUILDINGS	477 178199
TECH. REVIEW: REGION			PMIS/PKG NO. 241202, 250239, 156063
DATE: 04/2026		JOHNSON CITY UNIT LYNDON B. JOHNSON NATIONAL HISTORIC PARK	SHEET 8 OF 13

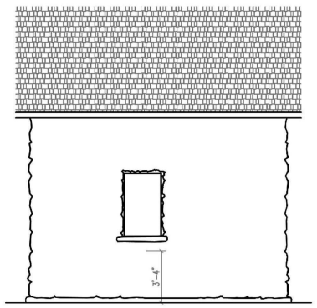
(DESEL evaluation failed)



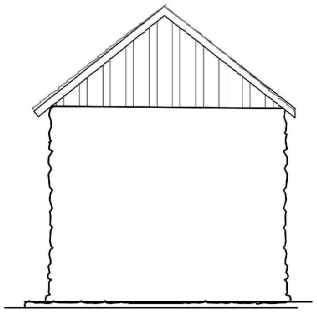
WEST ELEVATION



NORTH ELEVATION



EAST ELEVATION



SOUTH ELEVATION

GENERAL NOTES:

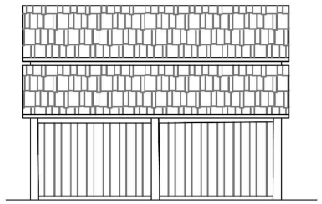
1. THE DRAWINGS ARE BASED UPON SURVEY OR FIELD MEASUREMENTS – VERIFICATION OF EXISTING CONDITIONS. IT IS BASED UPON SCANNED COPIES OF EXISTING DRAWINGS. THE ACCURACY OF DIMENSIONS, PROPORTIONS, SCALES OF RELATIVE FEATURES ARE PURELY FOR REPRESENTATIONAL PURPOSES.
2. THE SCOPE OUTLINED IN THE DOCUMENTS IS BASED ON A SINGLE SITE VISIT TO THE PROJECT SITE THAT INVOLVED VISUAL OBSERVATIONS. NO EXPLORATORY PROBES OR MATERIAL TESTING WAS PERFORMED.
3. ELEVATIONS ARE FOR INFORMATIONAL PURPOSES ONLY.
4. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION.

STUBBS COOLER BUILDING NOTES:

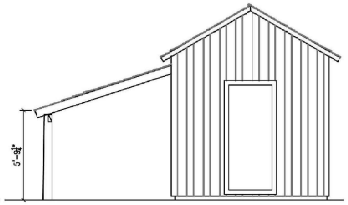
1. WORK UNDER THIS CONTRACT INCLUDES REPLACEMENT OF CEDAR SHINGLE ROOF WITH COMPOSITE CEDAR–LOCK SHINGLES, PURLINS (2X6 RS), AND REHABILITATION OF THE LIGHTNING PROTECTION SYSTEM.
2. REFER TO SHEET A–11(COMPOSITE WOOD SHINGLE DETAILS), SHEET A–12 (LIGHTNING PROTECTION PLAN), AND SHEET A–13 (LIGHTNING PROTECTION DETAILS).

DESIGNED: NA	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO.
CADD CLV	A–06	STUBBS COOLER BUILDING REROOF HISTORIC BUILDINGS	477 178199
TECH. REVIEW: REGION			PMIS/PKG NO. 241282, 250239, 156063
DATE: 04/2026		JOHNSON CITY UNIT LYNDON B. JOHNSON NATIONAL HISTORIC PARK	SHEET 9 OF 13

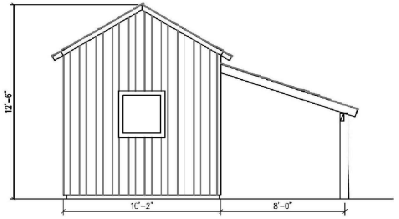
(DIESEL evaluation folder)



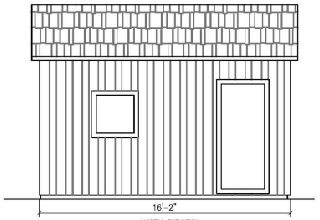
SOUTH ELEVATION



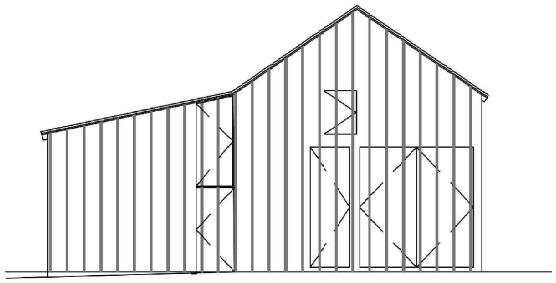
EAST ELEVATION



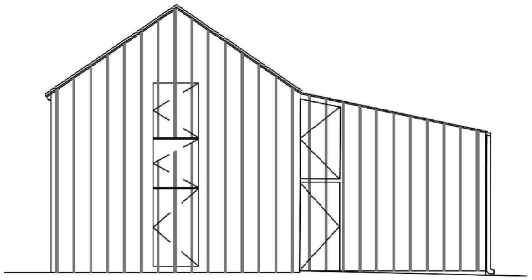
WEST ELEVATION



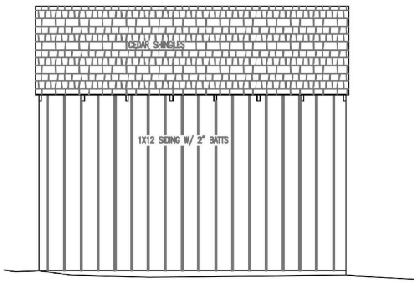
NORTH ELEVATION



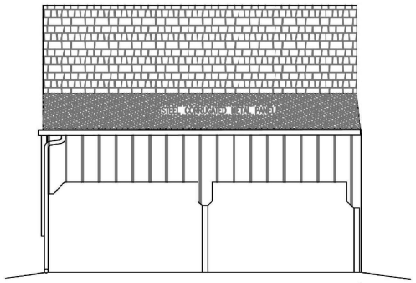
EAST ELEVATION



WEST ELEVATION



NORTH ELEVATION



SOUTH ELEVATION

GENERAL NOTES:

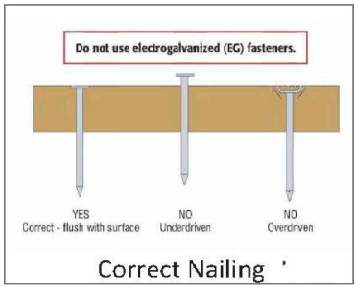
1. THE DRAWINGS ARE BASED UPON SURVEY OR FIELD MEASUREMENTS – VERIFICATION OF EXISTING CONDITIONS. IT IS BASED UPON SCANNED COPIES OF EXISTING DRAWINGS. THE ACCURACY OF DIMENSIONS, PROPORTIONS, SCALES OF RELATIVE FEATURES ARE PURELY FOR REPRESENTATIONAL PURPOSES.
2. THE SCOPE OUTLINED IN THE DOCUMENTS IS BASED ON A SINGLE SITE VIST TO THE PROJECT SITE T-AT INVOLVED VISUAL OBSERVATIONS. NO EXPLORATORY PROBES OR MATERIAL TESTING WAS PERFORMED.
3. ELEVATIONS ARE FOR INFORMATIONAL PURPOSES ONLY.
4. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION.

BOYHOOD BARN AND SMOKEHOUSE BUILDING NOTES:

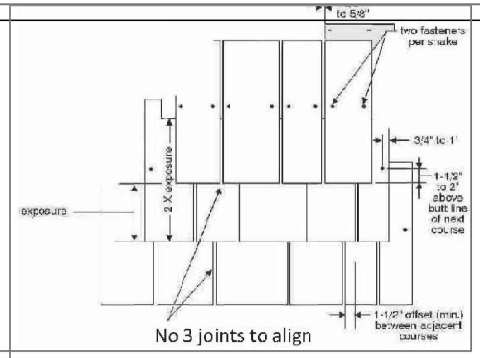
1. WORK UNDER THIS CONTRACT INCLUDES REPLACEMENT OF CEDAR SHINGLE ROOF WITH COMPOSITE CEDAR-LOOK SHINGLES, PURLINS (2X6 RS), REPLACE CORRUGATED METAL ROOF PANELS WITH NEW, REPLACE GUTTER AND DOWNSPOUTS WITH NEW, AND REHABILITATION OF THE LIGHTNING PROTECTION SYSTEM.
2. REFER TO SHEET A-11 (COMPOSITE WOOD SHINGLE DETAILS), SHEET A-12 (LIGHTNING PROTECTION PLAN), AND SHEET A-13 (LIGHTNING PROTECTION DETAILS).

DESIGNED: NA	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO.
CADD CLV	A-07	BOYHOOD HOME – BARN AND SMOKEHOUSE REROOF REROOF HISTORIC BUILDINGS	477 178199
TECH. REVIEW: REGION		JOHNSON CITY UNIT	PMIS/PKG NO. 241282, 250239, 156063
DATE: 04/2026		LYNDON B. JOHNSON NATIONAL HISTORIC PARK	SHEET 10 OF 13

DIESEL evaluation (oled)



Correct Nailing



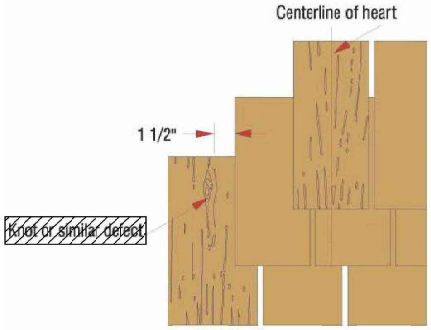
No 3 joints to align

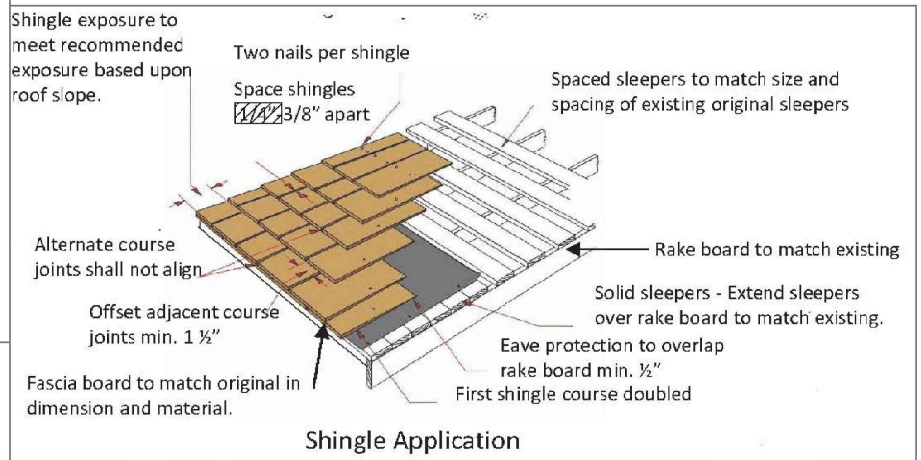
COMPOSITE SHAKE SHINGLE NOTES:

1. INSTALL TWO (2) FASTENERS PER SHAKE. INSTALL FASTENERS 3/4" FROM SHAKE EDGE AND 6" FROM THE BUTT END.
2. 1–3/4" ROOFING NAILS ARE ACCEPTABLE. COPPER, STAINLESS STEEL, OR HOT–DIPPED GALVANIZED RECOMMENDED.
3. USE APPROVED NAILS IN EACH SHAKE AT OR NEAR NAILING LOCATIONS SHOWN ON THE SHAKES.
4. USE A 3/8" GAP BETWEEN SHAKES.
5. DRAWINGS ON THIS PAGE ARE FOR REFERENCE ONLY. FOLLOW MANUFACTURE'S INSTALLATION GUIDE OVER PLANK DECKING.

SYNTHETIC/COMPOSITE SHAKE SHINGLES GENERAL NOTES:

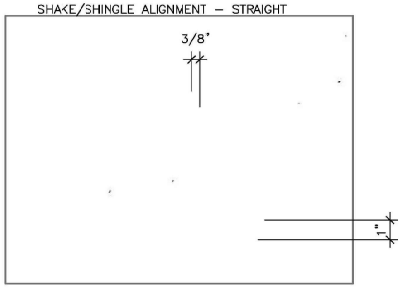
1. NEW SHAKE SHINGLE INSTALLATION SHALL MATCH EXISTING ROOF SHINGLE ALIGNMENT (STAGGERED OR STRAIGHT).
2. INSTALLATION SHALL MATCH EXISTING ROOF SHINGLE WORK WITH PROJECTIONS AT EAVES, RAKES, AND RIDGES.
3. COORDINATE WORK WITH REMOVAL AND INSTALLATION OF LIGHTNING ARIELS AND CABLES.
4. INSTALL COMPOSITE SHAKE SHINGLES IN ACCORDANCE WITH MANUFACTURE'S GUIDELINES.



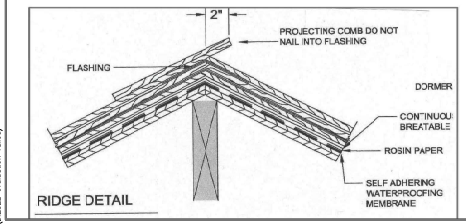


Shingle Application

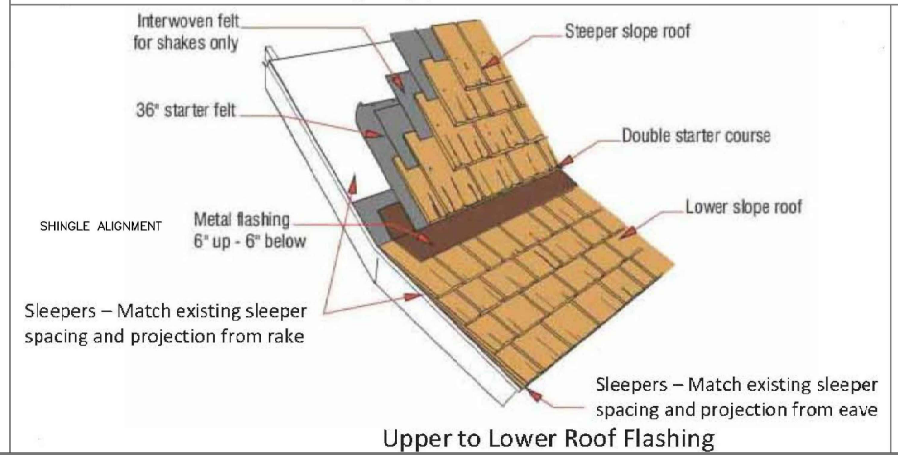
SHAKE/SHINGLE ALIGNMENT – STRAIGHT



SHAKE/SHINGLE ALIGNMENT – STAGGERED



RIDGE DETAIL



Upper to Lower Roof Flashing

GENERAL NOTES:

1. THE DRAWINGS ARE BASED UPON SURVEY OR FIELD MEASUREMENTS – VERIFICATION OF EXISTING CONDITIONS. IT IS BASED UPON SCANNED COPIES OF EXISTING DRAWINGS. THE ACCURACY OF DIMENSIONS, PROPORTIONS, SCALES OF RELATIVE FEATURES ARE PURELY FOR REPRESENTATIONAL PURPOSES.
2. THE SCOPE OUTLINED IN THE DOCUMENTS IS BASED ON A SINGLE SITE VISIT TO THE PROJECT SITE THAT INVOLVED VISUAL OBSERVATIONS. NO EXPLORATORY PROBES OR MATERIAL TESTING WAS PERFORMED.
3. ELEVATIONS ARE FOR INFORMATIONAL PURPOSES ONLY.
4. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION.

DESIGNED: NA	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO.
DRAWN:	A-08	COMPOSITE CEDAR SHAKE SHINGLES REROOF HISTORIC BUILDINGS	477 178199
TECH. REVIEW:			PMIS/PKG NO. 241282, 250239, 156063
REGION CHIEF:		JOHNSON CITY UNIT LYNDON B. JOHNSON NATIONAL HISTORIC PARK	SHEET 11 OF 13
DATE: 04/2026			

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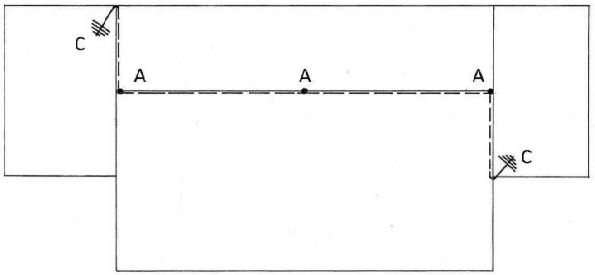
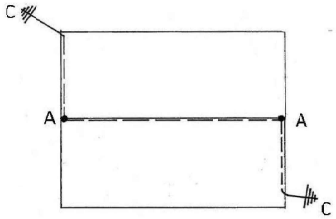


Bruckner Barn
Not to scale



Stubbs Cooler Building
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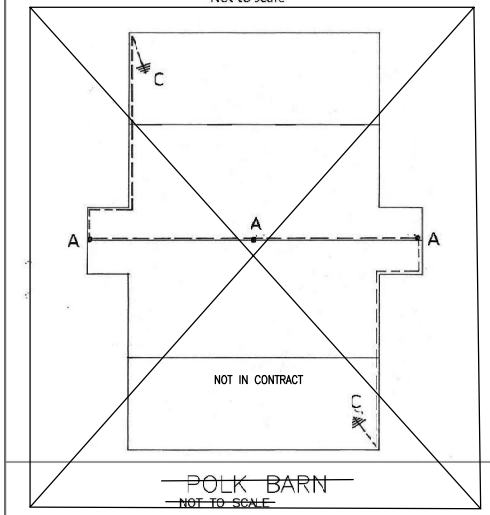
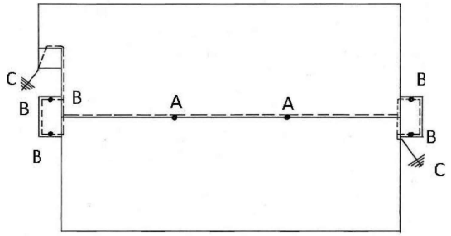
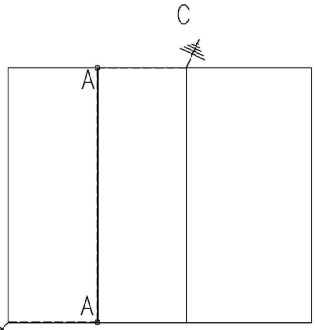


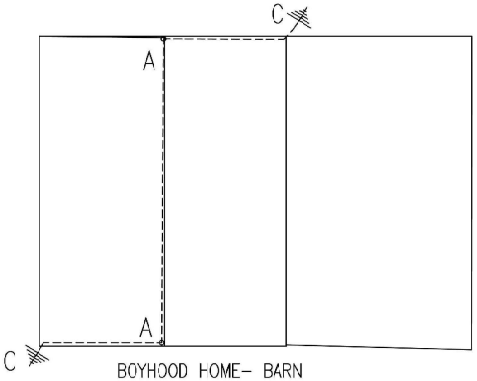
~~POLK BARN~~
~~NOT TO SCALE~~



Settlement Cabin
Not to Scale



BOYHOOD HOME- SMOKEHOUSE
N.T.S.



BOYHOOD HOME- BARN
N.T.S.

LIGHTNING PROTECTION NOTES:

1. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND DO NOT SHOW COMPLETE EXISTING LIGHTNING PROTECTION EXISTING CONDITIONS. THE SCOPE ON THIS SHEET IS NO WAY COMPLETE BUT IS INTENDED TO GIVE AN OVERVIEW. THE LIGHTNING PROTECTION WORK IS TO PERMIT THE REMOVAL AND INSTALLATION OF NEW WOOD SHINGLES ROOFING, FLASHING, AND ROOF SHEATHING. AT THE COMPLETION OF THE PROJECT, THE BRUCKNER BARN, THE POLK BARN, AND THE SETTLEMENT CABIN SHALL BE PROTECTED BY A LIGHTNING SYSTEM. THE WORK SHALL NOT COMPROMISE THE BUILDING'S LIGHTNING PROTECTION SYSTEM.
2. ALL LIGHTNING PROTECTION WORK SHALL BE PERFORMED TO MEET NFP 780 AND LIGHTNING PROTECTION INSTITUTE, LPI-175. THE CONTRACTOR SHALL PROVIDE A COMPLETELY OPERATION AND TESTED UL CERTIFIED NFPA 780 LIGHTNING PROTECTION SYSTEM WITH CLASS 1 MATERIALS FOR THE ROOF. CONTRACTOR IS NOT TO INSTALL THE SYSTEM BASED UPON SCALING OFF THE DRAWINGS. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO COMMENCING WORK.
3. EXACT ROUTING OF EXPOSED CABLES SHALL BE COORDINATED WITH THE BUILDING ARCHITECT AS WELL AS COMPLYING WITH NFPA780 REQUIREMENTS.
4. CONTRACTOR SHALL CAREFULLY REMOVE/DISCONNECT EXISTING LIGHTNING PROTECTION, NOT LIMITED TO, BUT INCLUDING CONDUIT, AIR TERMINALS, SADDLES, FASTENER LOOPS, AND LAYOVER STAMPED COPPER HOLDERS TO PERMIT THE REMOVAL AND INSTALLATION OF NEW SHINGLES ROOFING. CONTRACTOR SHALL COORDINATE REMOVAL AND REINSTALLATION OF LIGHTNING PROTECTION ELEMENTS WITH WOOD SHINGLE REROOFING. COORDINATE LIGHTNING PROTECTION INSTALLATION WITH ROOF WORK.
5. ALL CABLES, AIR TERMINALS,FASTENERS, BASES, CONNECTORS, ETC. SHALL BE BRONZE OR TINNED COPPER AS SPECIFIED IN DETAILS.
6. EACH AIR TERMINAL SHALL HAVE A UNDERWRITERS APPROVED LABEL "A" AND "B" LABEL AT 10'-0" ALONG ALL MAIN CONDUCTORS.
7. RADIUS OF BENDS SHALL NOT BE LESS THAN 8" AND ANGLE OF BENDS NOT LESS THAN 90 DEGREES.
8. CABLE FASTENERS SHALL BE INSTALLED AT A MAXIMUM OF 3'-0".
9. THE TOP OF THE GROUNDING RODS AND UNDERGROUND CABLES SHALL BE A MINIMUM OF 1FT BELOW GRADE AND 2'-0" FROM THE FOUNDATION WALL. DRIVEN GROUNDING RODS SHALL BE AT LEAST 10'-0" DOWN. LOCATION OF GROUNDING RODS SHALL TO BE COORDINATED WITH PARK STAFF.
10. ONE COPY OF "AS-CONSTRUCTED" DRAWINGS SHALL BE WITH THE MASTER LABEL APPLICATION. COMPLETED INSTALLATION SHALL HAVE U.L. CODE 96A.
11. ALL LIGHTNING PROTECTION WORK SHALL BE PERFORMED BY A LICENSED ELECTRICIAN.

GENERAL NOTES:

1. THE DRAWINGS ARE BASED UPON SURVEY OR FIELD MEASUREMENTS - VERIFICATION OF EXISTING CONDITIONS. IT IS BASED UPON SCANNED COPIES OF EXISTING DRAWINGS. THE ACCURACY OF DIMENSIONS, PROPORTIONS, SCALES OF RELATIVE FEATURES ARE PURELY FOR REPRESENTATIONAL PURPOSES.
2. THE SCOPE OUTLINED IN THE DOCUMENTS IS BASED ON A SINGLE SITE VISIT TO THE PROJECT SITE THAT INVOLVED VISUAL OBSERVATIONS. NO EXPLORATORY PROBES OR MATERIAL TESTING WAS PERFORMED.
3. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION.

DESIGNED: NA	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO.
DRAWN: CLV	A-09	LIGHTNING PROTECTION PLANS REROOF HISTORIC BUILDINGS	477 178199
TECH. REVIEW: REGION			PMIS/PKG NO. 241202, 250239, 156063
DATE: 04/2026		JOHNSON CITY UNIT LYNDON B. JOHNSON NATIONAL HISTORIC PARK	SHEET 12 OF 13

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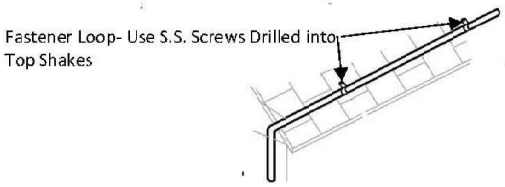
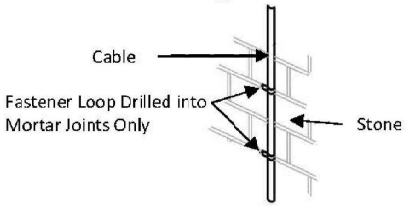
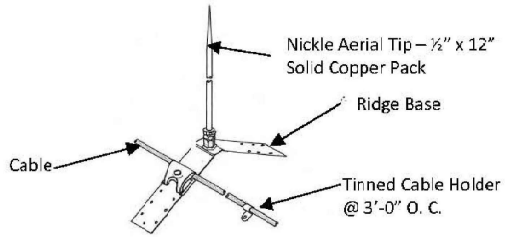


C Detail Cable Anchoring to Roof Shingles Similar

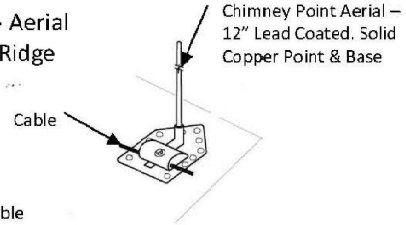


Use Appropriate Loops for Class 1 & Class 2 Conductors

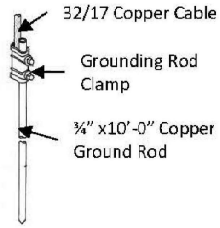
C Detail Cable Anchoring to Stone



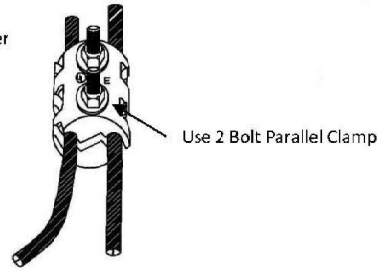
Detail A - Aerial Detail at Ridge



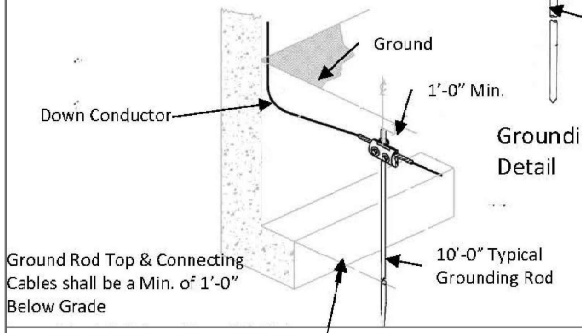
Detail B - Aerial at Chimney Cap



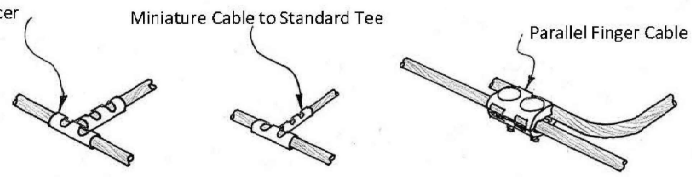
Grounding Rod Detail



Bolt Fitting Connection



GROUND ROD SHALL BE A MIN. OF 2'-0" FOUNDATION WALL



Typical Splicers Required

Lightning Protection Notes

1. The scope on this sheet is no way complete but is intended to give and overview. The lightning protection work is to permit the removal and installation of new wood shingle roofing, flashings, and roof sheathing. At the completion of the project, the Bruckner Barn, the Polk Barn, and the Settlement Cabin shall be protected by a lightning protection system. The work shall not comprise the building's protection.
2. All lightning protection work shall be performed to meet NFP 780 and Lightning Protection Institute, LPI-175. The contractor to provide a completely operation and tested UL certified NFPA 780 lighting protection system with Class 1 materials for the roof. Contractor is not to install the system based upon scaling off the drawings. Contractor shall field verify all dimensions.
3. Exact routing of exposed cables shall be coordinated with the building architecture as well as complying with NFPA 780 requirements.
4. Contractor shall carefully remove/disconnect existing lightning protection, not limited to, but including conduit, air terminals, saddles, fastener loops, and layover stamped copper holders to permit the removal and installation of new shingle roofing. Contractor shall coordinate removal and reinstallation of lightning protection elements with wood shingle reroofing. Coordinate lightning protection installation with roof work.
5. All cables, air terminals, fasteners, bases, connectors, etc. shall be bronze or tinned copper as specified in details.
6. Each air terminal shall have a underwriters approved label "A" and "B" label at 10"-0 along all main conductors.
7. Radius of bends not to be less than 8" and angle of beds not the less than 90 degrees.
8. Cable fasteners shall be installed at a maximum of 3'-0".
9. The top of grounding rods and underground cables shall be a minimum of 1 ft below grade and 2'-0" from the foundation wall. Driven grounding rods shall be at least 10'-0" down. Location of grounding rods to be coordinated with park staff.
10. All lightning protection work shall be performed by a licensed electrician.
11. One copy of "as-builts" drawings shall be with the master label application. Completed installation shall have U. L. Code 96A.

DESIGNED: NA	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO.
CADD CLV	A-10	LIGHTNING PROTECTION DETAILS REROOF HISTORIC BUILDINGS	477 178199
TECH. REVIEW: REGION			PMIS/PKG NO. 241282, 250239, 156063
DATE: 04/2026		JOHNSON CITY UNIT LYNDON B. JOHNSON NATIONAL HISTORIC PARK	SHEET 13 OF 13

(DESIGL evaluation folder)