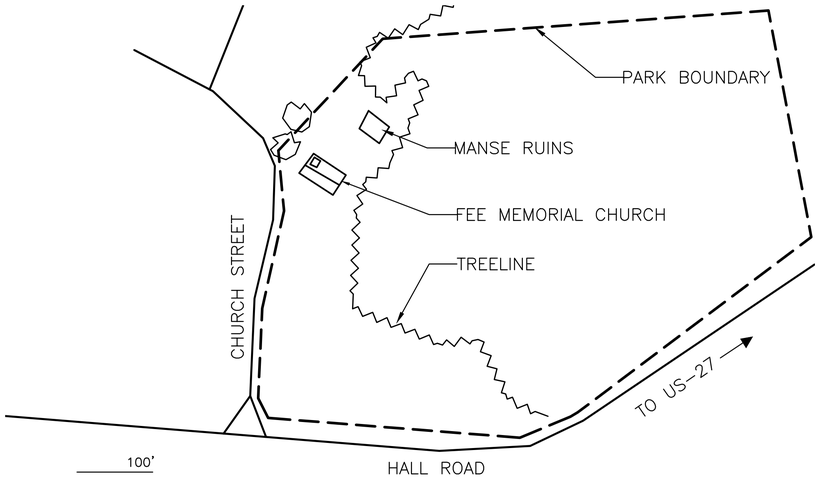


1 PROJECT SITE : 316 CHURCH STREET, NICHOLASVILLE, KY 40356

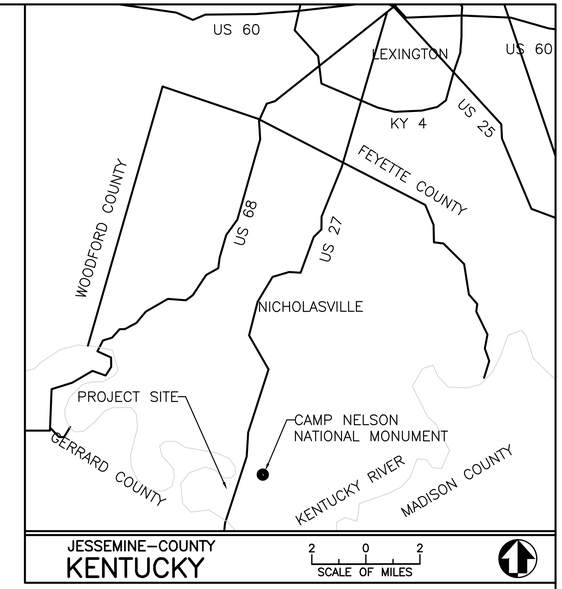
NOT TO SCALE

LEGEND

PARK BOUNDARY

PARKING

SITE LOCATION



CAMP NELSON NATIONAL MONUMENT – FEE MEMORIAL CHURCH

A/E FIRM	Mark	Sheet	REVISION	Date	Initial
PRIME: BAILEY EDWARD, CHICAGO, IL BACON FARMER WORKMAN ENGINEERING PADUCAH, KY	1		100% CONSTRUCTION DOCUMENTS	6/28/24	LK

QUALITY DESIGN CERTIFICATION

☐ Prepared in Accordance with Design Development (Title I) Drawing No.
OR
☐ Variance from Design Development (Title I) Approved by Superintendent on Date
OR
☐ Construction Drawing Not Preceded by Design Development (Title I)

Project Manager Date

CONSTRUCTION DOCUMENTS 100%

UNITED STATES
DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE
DENVER SERVICE CENTER

TITLE OF PROJECT
CONSTRUCTION DOCUMENTS FOR FEE MEMORIAL CHURCH
LOCATION WITHIN PARK
FEE MEMORIAL CHURCH
NAME OF PARK
CAMP NELSON NATIONAL MONUMENT

REGION SOUTHEAST | COUNTY JESSAMINE | STATE KENTUCKY

DRAWING NO. 532 190070

PMIS/PKG NO. 323333B

SHEET 1 OF 31

ABBREVIATIONS

A	
ACT	ACOUSTICAL CEILING TILE
AD	AREA DRAIN
AFF	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
ANOD	ANODIZED
APPROX	APPROXIMATE
B	
BSMT	BASEMENT
BTTM/	BOTTOM OF
C	
C/C	CENTER TO CENTER
CIP	CAST IN PLACE
CJ	CONTROL JOINT
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONST JT	CONSTRUCTION JOINT
CPT	CARPET
CT	CERAMIC TILE
D	
DBL	DOUBLE
DEMO	DEMOLISH
DIA	DIAMETER
DIM	DIMENSIONS
DN	DOWN
DO	DITTO
DTL	DETAIL
DWG	DRAWING
E	
E	EXISTING
EA	EACH
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR / ELEVATION
EPDM	ETHYLENE PROPYLENE DIENE ROOFING
EQ	EQUAL
EXIST OR (E)	EXISTING
EXT	EXTERIOR
F	
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FFE	FINISHED FLOOR ELEVATION
FIN	FINISH
FLR	FLOOR
FND	FOUNDATION
FO	FACE OF
FTG	FOOTING
G	
GA	GAUGE
GALV	GALVANIZED
GWB	GYPSUM WALL BOARD
H	
HC	HOLLOW CORE
HM	HOLLOW METAL
HSS	HOLLOW STRUCTURAL STEEL
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
I	
INSUL	INSULATION / INSULATED
INT	INTERIOR
IRGWB	IMPACT RESISTANT GYPSUM WALLBOARD
L	
LAV	LAVATORY
M	
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MO	MASONRY OPENING
MRGW	MOISTURE-RESISTANT GYPSUM WALL BOARD
N	
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
O	
OC	ON CENTER
OH	OPPOSITE HAND
OZ	OUNCE
P	
PCC	PRE-CAST CONCRETE
PLUMB	PLUMBING
PNT	PAINTED/PAINT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
PVC	POLYVINYL CHLORIDE
R	
R	RADIUS
RBR	RUBBER
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REINF	REINFORCED
REQD	REQUIRED
RM	ROOM
S	
SF	SQUARE FOOT
SIM	SIMILAR
SOG	SLAB ON GRADE
SPEC	SPECIFIED OR SPECIFICATION
SPK	SPRINKLER
SQ	SQUARE
SSTL	STAINLESS STEEL
STC	SOUND TRANSMISSION COEFFICIENT
STL	STEEL
STRUC	STRUCTURAL
T	
T&G	TONGUE & GROOVE
T/	TOP OF
T/D	TELEPHONE / DATA
TELE	TELEPHONE
TLT	TOILET
TOC	TOP OF CONCRETE
TOS	TOP OF STRUCTURE/STEEL
TOW	TOP OF WALL
TYP OR (TYP.)	TYPICAL
U	
UNO	UNLESS NOTED OTHERWISE
V	
VIF	VERIFY IN FIELD
VP	VISION PANEL
W	
W/	WITH
WD	WOOD
WWF	WELDED WIRE FABRIC

BUILDING CODES

THIS PROJECT IS DESIGNED TO MEET THE CODES APPLICABLE TO THE NATIONAL PARK SERVICE.

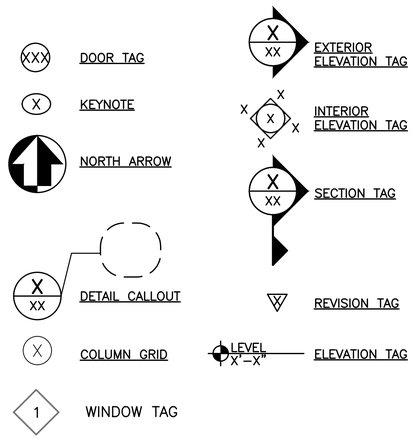
BUILDING CODE: 2015 IBC W/AMENDMENTS
2018 KENTUCKY BUILDING CODE
SUPERSEDE 2015 IBC
HISTORIC CODE CHAPTER 4 & 12
ABA ACCESSIBILITY STANDARDS, 2014

ELECTRICAL CODE: 2021

STRUCTURAL CODE: ASCE 7-16

FIRE CODE: NFPA 101

SYMBOLS



SHEET INDEX

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3	G002	GENERAL NOTES
4	G003	EXISTING CONDITIONS
5	G004	EXISTING CONDITIONS INTERIOR
6	G005	LOGISTICS PLAN
7	D100	DEMOLITION BASEMENT AND FIRST FLOOR PLAN
8	D101	DEMOLITION ATTIC AND ROOF PLAN
9	D102	DEMOLITION REFLECTED CEILING PLAN
10	D201	DEMOLITION ELEVATIONS
11	D202	DEMOLITION ELEVATIONS AND SECTIONS
12	A100	BASEMENT AND FIRST FLOOR PLAN
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20	A903	DETAILS
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23	S100	FOUNDATION PLAN
24	S200	FIRST FLOOR FRAMING PLAN
25	S300	ROOF FRAMING PLAN
26	S400	STRUCTURAL DETAILS
27	S401	STRUCTURAL DETAILS
28	S402	STRUCTURAL DETAILS
29	S500	TRUSS REINFORCEMENT DETAILS
30	S501	TRUSS REINFORCEMENT DETAILS
31	S600	STRUCTURAL SCHEDULES

NOT FOR CONSTRUCTION

DESIGNED:	WZ
GADD	WZ
TECH. REVIEW:	KS
DATE:	06/28/24
SUB SHEET NO.	G001
TITLE OF SHEET	GENERAL INFORMATION AND ABBREVIATIONS
	FEE MEMORIAL CHURCH
	CAMP NELSON NATIONAL MONUMENT
DRAWING NO.	532 190070
PMIS/PKG NO.	323333B
SHEET	2 OF 31

DESIGN INTENT STATEMENT

1. WORK OF THIS SECTION SHALL BE GOVERNED BY THE CONTRACT DOCUMENTS. PROVIDE MATERIALS, LABOR, EQUIPMENT, AND SERVICES NECESSARY TO FURNISH, DELIVER, AND INSTALL THE WORK OF THIS SECTION AS SHOWN ON THE DRAWINGS, AS SPECIFIED HEREIN, AND/OR AS REQUIRED BY JOB CONDITIONS.
2. THE FEE MEMORIAL CHURCH HAS BEEN VACANT FOR TWENTY YEARS AND HAS INCREMENTALLY DETERIORATED OVER TIME.

- REBUILD THE CONCRETE FOUNDATION AND REPAIR WOOD FRAME SUPERSTRUCTURE
- MANAGEMENT OF RAINWATER RUNOFF FROM THE ROOF
- ADDRESS THE LACK OF ADEQUATE SHEAR CAPACITY IN THE WALLS
- REINFORCEMENT OF THE CUPOLA

PROJECT ADDRESS:
316 CHURCH STREET, NICHOLASVILLE, KY 40356

BASE BID:

- BUILDING LIFTING
- DEMOLITION OF CONCRETE FOUNDATION AND STAIRS
- NEW CONCRETE FOUNDATION AND STAIRS
- INCREASE SHEAR CAPACITY OF WALLS.
- INSTALL REINFORCEMENT OF THE CUPOLA AND REPAIR DAMAGED WOOD STRUCTURAL MEMBERS.
- NEW ROOF, GUTTERS AND DOWNSPOUTS
- NEW EXTERIOR DOOR AND REHANG EXISTING DOOR; NEW DOORS AT MECH ROOM.
- PROTECTION OF WINDOWS
- CONSTRUCT REPLICA CHIMNEYS
- WOOD SIDING REPLACEMENT/REPAIR

OPTIONS

1. OPTIONS TO THE BASE SCOPE OF WORK ARE SHOWN ON THE FOLLOWING DOCUMENTS AND ARE NOTED AS FOLLOWS:

OPTION 1 – WINDOW REPAIRS

HISTORICAL SIGNIFICANCE

1. CAMP NELSON NATIONAL MONUMENT GROUNDS ARE OPEN TO THE PUBLIC SUNRISE TO SUNSET 7–DAYS A WEEK.
2. FEE MEMORIAL CHURCH IS A SIGNIFICANT RESOURCE ASSOCIATED WITH THE POST–CIVIL WAR EXPERIENCE OF AFRICAN AMERICANS IN KENTUCKY. IT IS THE COMMUNITY'S MOST INTACT HISTORIC BUILDING, THE OLDEST PUBLIC BUILDING, AND THE LAST PUBLIC BUILDING ASSOCIATED WITH THE SCHOOL THAT OPERATED HERE FROM 1868–1924. THE BUILDING WAS CONSTRCUTED IN 1912.

HISTORIC TREATMENT STANDARD

1. THIS PROJECT SEEKS TO REMEDIATE THESE ISSUES THROUGH APPROPRIATE TREATMENTS AS OUTLINED IN THE FEE MEMORIAL CHURCH HISTORICAL STRUCTURES REPORT.
2. 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."
3. PRESERVATION IS THE TREATMENT STANDARD TO BE APPLIED TO THE WORK OF THIS PROJECT.

GENERAL NOTES

1. VERIFY THAT EXISTING CONDITIONS ARE AS INDICATED ON THE DRAWINGS. NOTIFY THE CONTRACTING OFFICER IMMEDIATELY OF VARIATIONS OR DISCREPANCIES THAT HAVE THE POTENTIAL TO AFFECT THE WORK. DO NOT PROCEED WITH AFFECTED WORK UNTIL VARIATIONS OR DISCREPANCIES ARE FULLY RESOLVED IN CONSULTATION WITH THE CONTRACTING OFFICER.
   1.1. VISIT THE SITE TO DETERMINE BY INSPECTION ALL EXISTING CONDITIONS, INCLUDING ACCESS TO THE SITE, THE NATURE OF STRUCTURES, OBJECTS AND MATERIALS TO BE ENCOUNTERED, AND ALL OTHER FACTS CONCERNING OR AFFECTING THE WORK. INFORMATION AS DRAWN SHOWS EXISTING CONDITIONS FOR INFORMATION ONLY AND DOES NOT CONSTITUTE A GUARANTEE THAT OTHER ITEMS MAY NOT BE FOUND OR ENCOUNTERED.
   1.2. BEFORE STARTING WORK, MAKE A THOROUGH EXAMINATION OF THOSE PORTIONS OF THE SITE IN WHICH THE WORK IS TO BE PERFORMED. CHECK THE WORK ADJOINING OR AT UNDERLYING LOCATIONS, IN WHICH THE WORK IS TO BE PERFORMED. REPORT TO THE CONTRACTING OFFICER ANY AND ALL CONDITIONS WHICH MAY INTERFERE WITH OR OTHERWISE AFFECT OR PREVENT THE PROPER EXECUTION AND COMPLETION OF THE WORK. DO NOT START THE WORK UNTIL SUCH CONDITIONS HAVE BEEN EXAMINED AND A COURSE OF ACTION MUTUALLY AGREED UPON.
   1.3. THE EXECUTION OF WORK CONSTITUTES ACCEPTANCE OF THE CONDITIONS. LATER CLAIMS WILL NOT CONSTITUTE RELIEF FROM THE REQUIREMENTS OF THE SPECIFICATIONS UNDER THIS SECTION, NOR WILL EXTRA COMPENSATION BE PAID.
2. THE CONTRACTOR SHALL RECOGNIZE THAT ALL ASPECTS AND ELEMENTS OF THE PROPERTY MAY POTENTIALLY CONTRIBUTE TO THE HISTORIC SIGNIFICANCE, AND THE CONTRACTOR SHALL NOT BE THE JUDGE OF THE RELATIVE SIGNIFICANCE OF ANY FEATURE. THIS JUDGMENT IS ENTIRELY THE RESPONSIBILITY OF THE CONTRACTING OFFICER. CONSEQUENTLY, NO ELEMENT SHALL BE ALTERED, REMOVED, REFUSED OR TAKEN FROM THE PREMISES WITHOUT THE APPROVAL OF THE CONTRACTING OFFICER AS BEING CONSISTENT WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
   2.1. ACTIVITIES THAT INVOLVE DEMOLITION, DISASSEMBLY, OR SELECTIVE REMOVAL OF MATERIAL CAN RESULT IN PERMANENT LOSS IF CARE IS NOT TAKEN TO AVOID SUCH DAMAGE. APPROPRIATE PROCEDURES AND TECHNIQUES FOR STORAGE OF DISASSEMBLED ITEMS MUST BE TAKEN INTO ACCOUNT AS SPECIFIED BEFORE THE WORK COMMENCES.
3. PROTECT AND PREVENT DAMAGE TO ALL HISTORIC BUILDING AND HISTORIC SITE 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.
4. 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.
5. DO NOT SCALE DRAWINGS: USE DIMENSIONS SHOWN. VERIFY ALL DIMENSIONS IN THE FIELD. DIMENSIONS SHOWN AT EXISTING CONDITIONS ARE TO FACE OF EXISTING FINISH.
6. SAFETY MEASURES: AT ALL TIMES THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONDITIONS AT THE JOB SITE, INCLUDING SAFETY OF PEOPLE AND PROPERTY.
7. INSTALL MANUFACTURED MATERIALS AND EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS, UNLESS OTHERWISE INSTRUCTED.
8. ALL WASTE GENERATED BY THE WORK SHALL BE REMOVED FROM THE PREMISES AND LEGALLY DISPOSED OF BY THE CONTRACTOR INCLUDING HAZARDOUS MATERIALS. HAZARDOUS MATERIAL DISPOSAL MUST BE DOCUMENTED AND LEGAL DISPOSAL PERMITS SUBMITTED FOR RECORD. THE PREMISES SHALL BE LEFT CLEAR AND CLEAN TO THE SATISFACTION OF THE CONTRACTING OFFICER.
9. 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, IMMEDIATELY NOTIFY THE CONTRACTING OFFICER SO THAT CORRECTIONS MAY BE MADE. DO NOT APPLY FINISHES TO SUBSTRATES THAT ARE NOT ACCEPTABLE.
10. INSTALL WORK PLUMB, LEVEL AND STRAIGHT, OR AS REQUIRED TO ALIGN WITH EXISTING HISTORIC SURFACES TO REMAIN.
11. 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.
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 CONTRACTING OFFICER IS TO HOLD A TOUR OF THE PROPERTY PRIOR TO DEMOLITION FOR ALL PROJECT MANAGERS, SUPERVISORS, SUPERINTENDENTS, OR FOREMEN (PLUS ANY INTERESTED WORKERS) OF EACH CONTRACTOR AND SUBCONTRACTOR.
15. THE CONTRACTOR WILL COMPLY WITH ALL SECURITY RULES AND POLICIES OF THE PARK AND CONTRACTING OFFICER AND SHALL INCLUDE ALL COSTS ASSOCIATED WITH COMPLIANCE.
16. ALL ON–SITE PERSONNEL ARE EXPECTED TO CONDUCT THEIR OPERATIONS IN A PROFESSIONAL MANNER AND BE COURTEOUS AND POLITE TO ALL VISITORS.
17. WORKMANSHIP – EMPLOY ONLY COMPETENT WORKERS THOROUGHLY SKILLED IN THEIR RESPECTIVE TRADES TO PERFORM THE WORK. THE WORK SHALL BE PERFORMED BY COMPETENT WORKERS EXPERIENCED IN THIS KIND OF WORK AND SHALL BE CARRIED THROUGH TO COMPLETION.
18. PERFORM THE WORK IN ACCORDANCE WITH THE HIGHEST STANDARDS AND ESTABLISHED PRACTICES IN THE TRADE, AND CONFORM TO ALL THE RULES AND REGULATIONS OF ALL CITY, STATE AND FEDERAL AUTHORITIES HAVING JURISDICTION OVER THIS WORK
19. CONTRACTOR TO PROTECT GROUND SURFACES ADJACENT TO WORK. REPAIR TURF AND ADJACENT SURFACES TO PRE–PROJECT CONDITIONS.

NOT FOR CONSTRUCTION

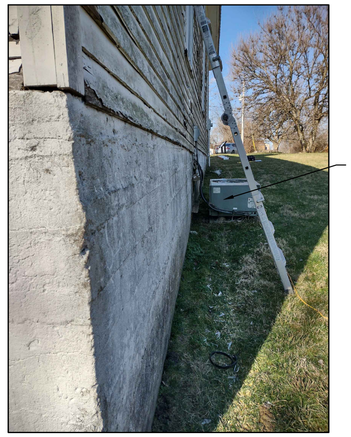
DESIGNED: LK GADD WZ TECH. REVIEW: KS DATE: 06/28/24	SUB SHEET NO. G002	TITLE OF SHEET: GENERAL NOTES FEE MEMORIAL CHURCH CAMP NELSON NATIONAL MONUMENT	DRAWING NO. 532 190070 PMIS/PKG NO. 323333B SHEET 3 OF 31

9 G003 EXISTING NORTH ELEVATION

SCALE N.T.S.

6 G003 EXISTING WEST ELEVATION

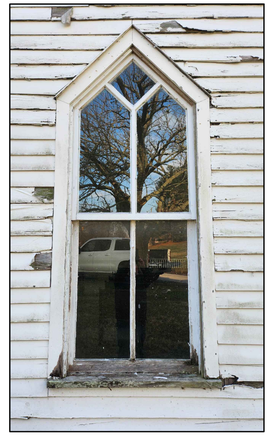
SCALE N.T.S.



HEAT PUMP CONDENSING UNIT AND FAN COIL IN BASEMENT TO BE DEMOLISHED BY PARK.

3 G003 EXISTING FOUNDATION WALL

SCALE N.T.S.



1 G003 EXISTING WINDOW (TYP.)

SCALE N.T.S.

8 G003 EXISTING SOUTH ELEVATION

SCALE N.T.S.

5 G003 EXISTING EAST ELEVATION

SCALE N.T.S.

DISCONNECT CONDUIT AND WIRE TO ACCOMMODATE RAISING/LOWERING OF THE BUILDING. REATTACH CONDUITS AND WIRING TO FACILITATE RECONNECTION.

2 G003 EXISTING ELECTRICAL

SCALE N.T.S.

7 G003 EXISTING BASEMENT CRAWL SPACE

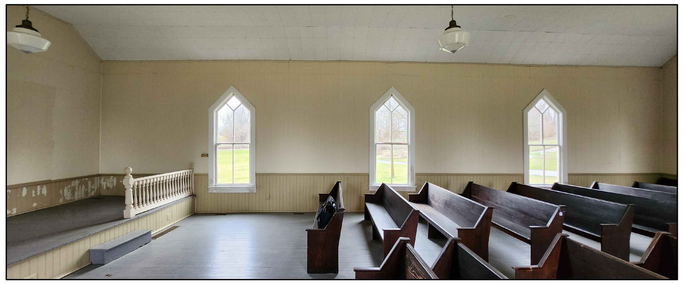
SCALE N.T.S.

4 G003 EXISTING FOUNDATION WALL

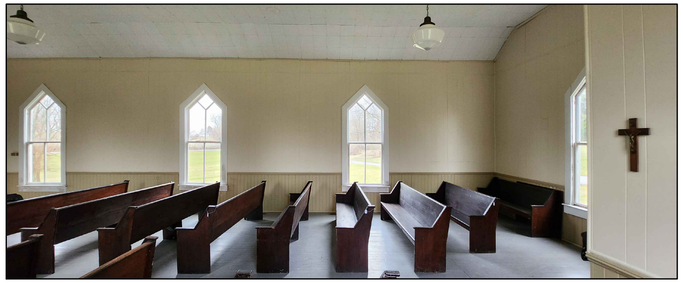
SCALE N.T.S.

NOT FOR CONSTRUCTION

DESIGNED: WZ DRAWN: WZ TECH. REVIEW: KS DATE: 06/28/24	SUB SHEET NO. G003	TITLE OF SHEET EXISTING CONDITIONS FEE MEMORIAL CHURCH CAMP NELSON NATIONAL MONUMENT	DRAWING NO. 532 190070 PMIS/PKG NO. 323333B SHEET 4 OF 31



8 G004 EXISTING INTERIOR CONDITIONS
SCALE N.T.S.



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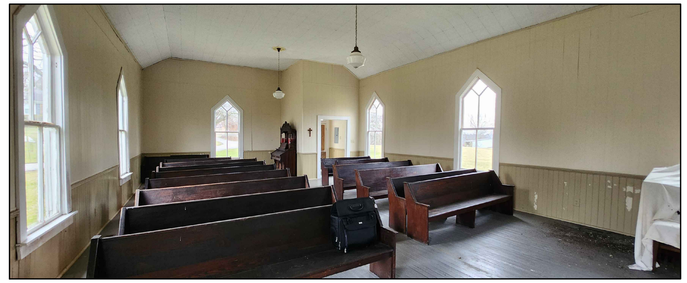

2 G004 EXISTING INTERIOR CONDITIONS
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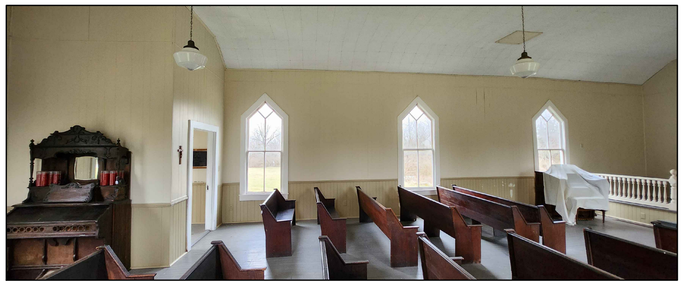
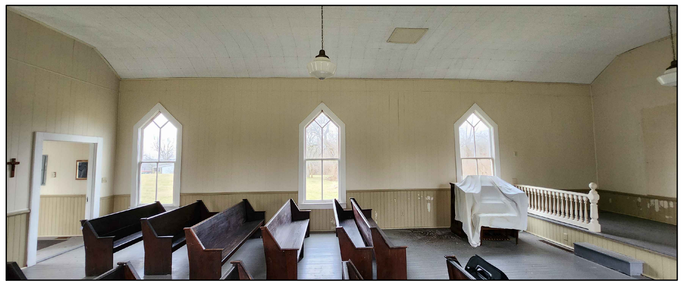
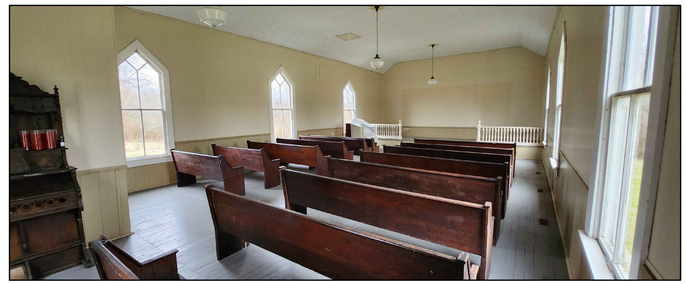


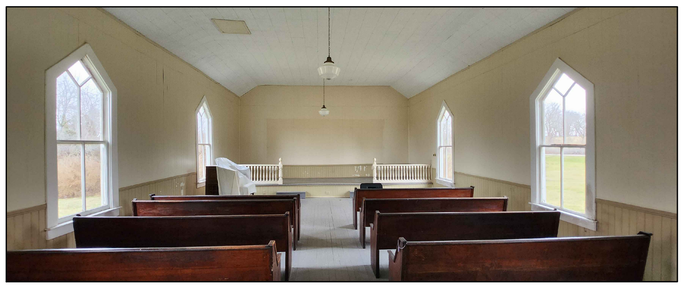
7 G004 EXISTING INTERIOR CONDITIONS
SCALE N.T.S.



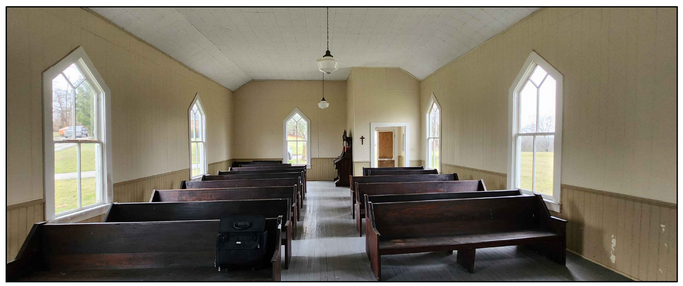
4 G004 EXISTING NORTH ELEVATION
SCALE N.T.S.



1 G004 EXISTING NORTH ELEVATION
SCALE N.T.S.



6 G004 EXISTING SOUTH ELEVATION
SCALE N.T.S.



3 G004 EXISTING WEST ELEVATION
SCALE N.T.S.

GENERAL INTERIOR NOTES

1. PROVIDE PROTECTION AGAINST MOISTURE, IMPACT, AND OTHER TYPES OF DAMAGE AT ALL OPENINGS CREATED BY SELECTIVE DEMOLITION OR DISASSEMBLY. PROTECT EXISTING CONDITIONS FROM DAMAGE DURING THE DEMOLITION AND ALL CONSTRUCTION WORK. REPAIR OR REPLACE AS REQUIRED EXISTING CONDITIONS DAMAGED AT NO COST TO THE PARK WITH MATERIALS IN-KIND AND APPROVED BY CO/COR.

2. PROTECT EXISTING INTERIOR WALLS AND DEVICES TO REMAIN DURING REMOVAL AND CONSTRUCTION. PROVIDE CONSTRUCTION BARRIERS AND OTHER SITE PROTECTION REQUIREMENTS CONSISTENT WITH THE MATERIALS SPECIFICATIONS SECTION, AND DIVISION 1, GENERAL REQUIREMENTS.

3. IT IS ANTICIPATED THAT THE PARK WILL REMOVE THE MAJORITY OF PARK EQUIPMENT AND FURNITURE STORED IN THIS AREA. CONTRACTOR SHALL COORDINATE WITH THE PARK FOR REMOVAL AND DISPOSAL OF ANY REMAINING ITEMS.

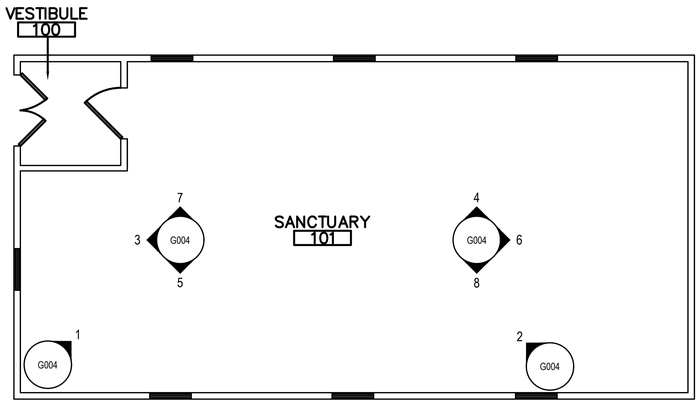
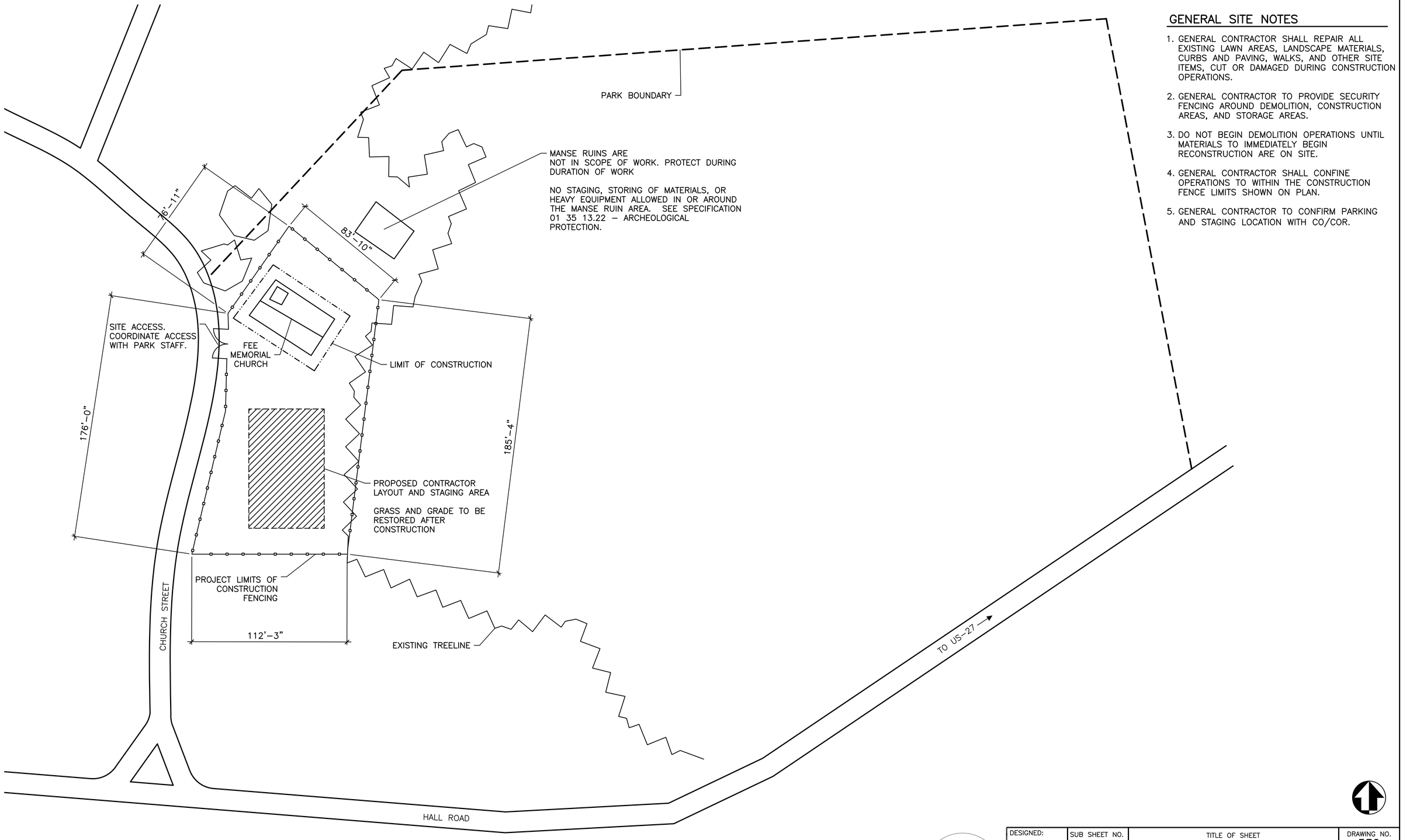


IMAGE LOCATION DIAGRAM

NOT FOR CONSTRUCTION

DESIGNED: WZ CADD WZ TECH. REVIEW: KS DATE: 06/28/24	SUB SHEET NO. G004	TITLE OF SHEET EXISTING CONDITIONS INTERIORS FEE MEMORIAL CHURCH CAMP NELSON NATIONAL MONUMENT	DRAWING NO. 532 190070 PMIS/PKG NO. 323333B SHEET 5 OF 31



GENERAL SITE NOTES

1. GENERAL CONTRACTOR SHALL REPAIR ALL EXISTING LAWN AREAS, LANDSCAPE MATERIALS, CURBS AND PAVING, WALKS, AND OTHER SITE ITEMS, CUT OR DAMAGED DURING CONSTRUCTION OPERATIONS.
2. GENERAL CONTRACTOR TO PROVIDE SECURITY FENCING AROUND DEMOLITION, CONSTRUCTION AREAS, AND STORAGE AREAS.
3. DO NOT BEGIN DEMOLITION OPERATIONS UNTIL MATERIALS TO IMMEDIATELY BEGIN RECONSTRUCTION ARE ON SITE.
4. GENERAL CONTRACTOR SHALL CONFINE OPERATIONS TO WITHIN THE CONSTRUCTION FENCE LIMITS SHOWN ON PLAN.
5. GENERAL CONTRACTOR TO CONFIRM PARKING AND STAGING LOCATION WITH CO/COR.

1 / G005 LOGISTICS PLAN

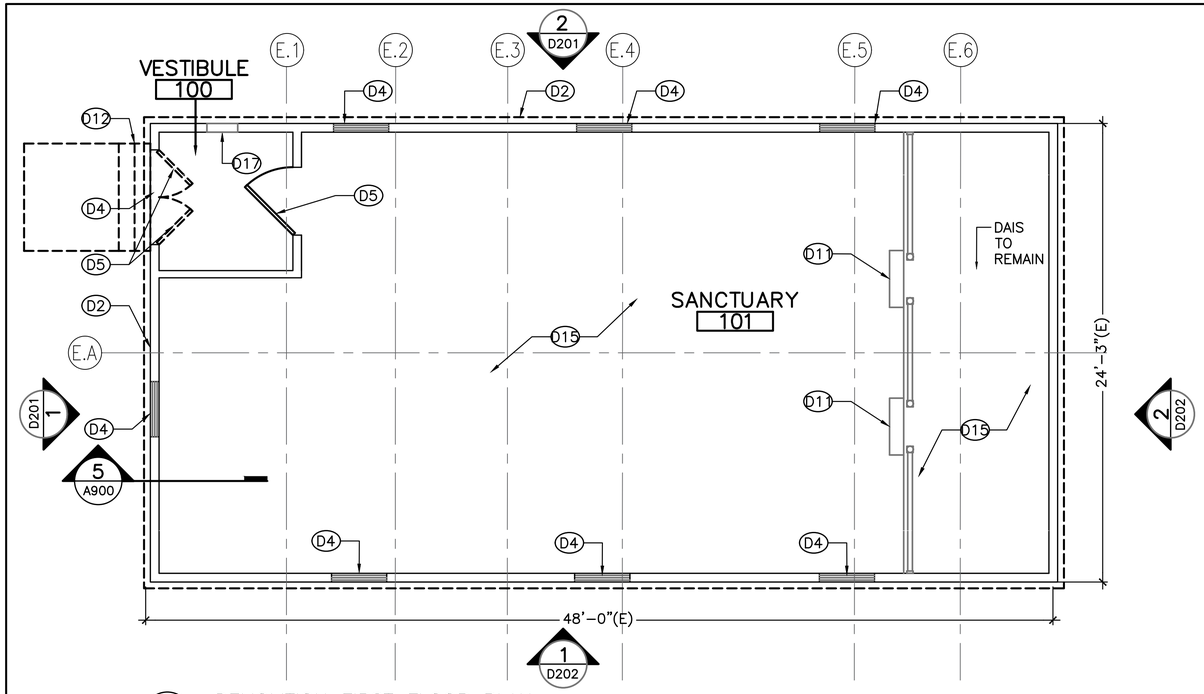
SCALE (A)

SCALE (A) 32 0 32 64

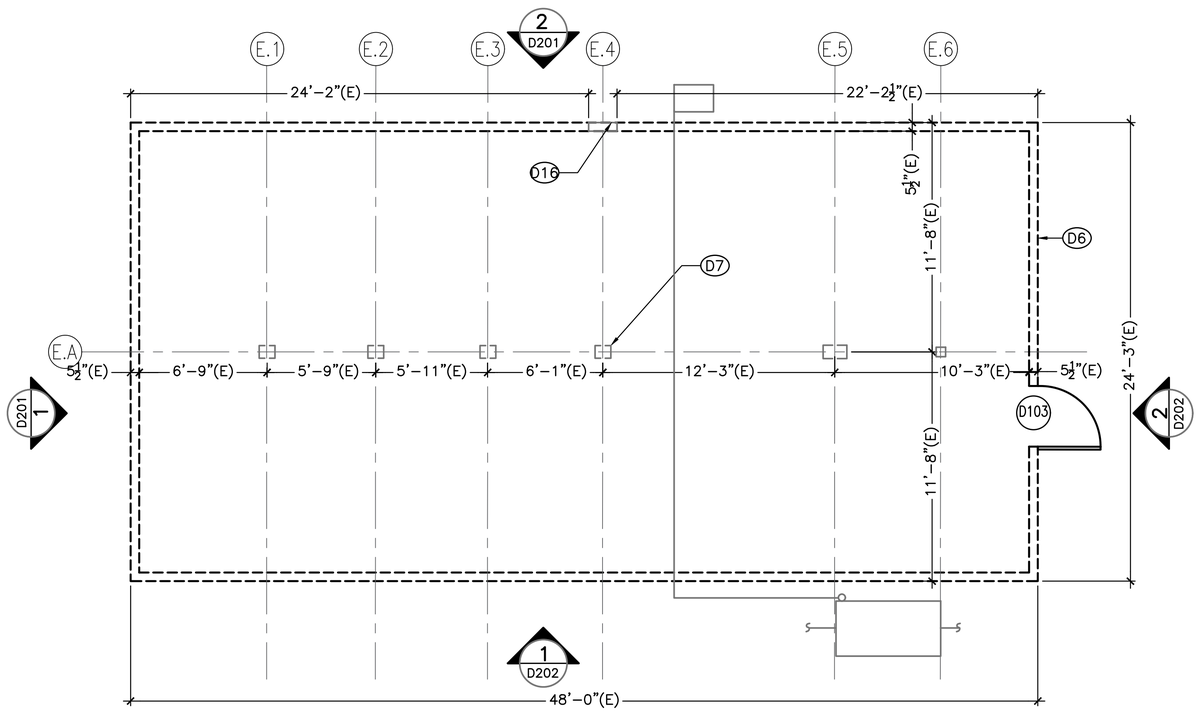
SCALE OF FEET

NOT FOR CONSTRUCTION

DESIGNED: WZ DRAWN: WZ TECH. REVIEW: KS DATE: 06/28/24	SUB SHEET NO. G005	TITLE OF SHEET LOGISTICS PLAN FEE MEMORIAL CHURCH CAMP NELSON NATIONAL MONUMENT	DRAWING NO. 532 190070 PMIS/PKG NO. 323333B SHEET 6 OF 31



1 D100 DEMOLITION FIRST FLOOR PLAN
SCALE (A)



2 D100 DEMOLITION BASEMENT FLOOR PLAN
SCALE (A)

SCALE (A) 0 2 4 8
SCALE OF FEET

SUGGESTED SEQUENCE – DEMOLITION

SUGGESTED SEQUENCE AND LIST OF IDENTIFIED ITEMS TO BE DISASSEMBLED, REMOVED AND SALVAGED PRIOR TO START OF FOUNDATION WORK.

1. PARK TO REMOVE: FAN COIL, HEAT PUMP, CONDENSING UNIT, AND DUCTWORK.
2. PARK TO REMOVE AND STORE: CROSSES, PICTURES, PEWS, ORGANS.
3. CONTRACTOR TO SALVAGE, PROTECT & STORE: CEILING HUNG PENDANT LIGHT FIXTURES.
4. CONTRACTOR TO PROTECT OPENINGS, AND REMOVE AS IDENTIFIED: DOORS.
5. WINDOWS TO BE PROTECTED WITH PLYWOOD PANELS
6. JACKING OF THE BUILDING.
7. 12" WIDE SECTION OF CONCRETE FOUNDATION TO BE CAREFULLY CUT AND SALVAGED & TURNED OVER TO THE PARK.
7. DEMOLITION OF REMAINING EXISTING FOUNDATION
8. CONSTRUCTION OF NEW FOUNDATION
9. BUILDING TO BE SET DOWN ON NEW FOUNDATION AND SECURED.
10. CONTRACTOR TO REMOVE EXISTING ROOFING DOWN TO EXISTING DECK.
11. CONTRACTOR TO REMOVE/SALVAGE SIDING AS IDENTIFIED.

GENERAL NOTES – DEMOLITION

1. CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS PRIOR TO COMMENCING THE WORK. VERIFY-IN-FIELD ALL EXISTING CONDITIONS DIMENSIONS, ELEVATION HEIGHTS, CONSTRUCTION, AND BUILDING SYSTEMS PRIOR TO PROCEEDING WITH THE WORK.
2. CONTRACTOR SHALL NOTIFY THE CO/COR OF ANY AND ALL DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND EXISTING CONDITIONS PRIOR TO PROCEEDING WITH THE WORK.
3. REFER TO THE SPECIFICATIONS DIVISION 1, GENERAL REQUIREMENTS, FOR RELATED CONSTRUCTION AND PROTECTION REQUIREMENTS.
4. HAZARDOUS MATERIAL NOTE:
   4.1. HAZARDOUS CONTAINING MATERIALS ARE ASSUMED UNLESS SPECIFICALLY IDENTIFIED AS NON-CONTAINING, IN THE ASBESTOS, LEAD BASED PAINT & HAZARDOUS MATERIAL SPECIFICATIONS, AND REPORT CONTAINED IN THE PROJECT MANUAL.
5. PROVIDE PROTECTION AGAINST MOISTURE, IMPACT, AND OTHER TYPES OF DAMAGE AT ALL OPENINGS CREATED BY SELECTIVE DEMOLITION OR DISASSEMBLY. PROTECT EXISTING CONDITIONS FROM DAMAGE DURING THE DEMOLITION AND ALL CONSTRUCTION WORK. REPAIR OR REPLACE AS REQUIRED EXISTING CONDITIONS DAMAGED AT NO COST TO THE PARK WITH MATERIALS IN-KIND AND APPROVED BY CO/COR. REFER TO SPECIFICATIONS 02 41 19 – SELECTIVE DISASSEMBLY AND DEMOLITION.
6. PROTECT EXISTING INTERIOR WALLS AND DEVICES TO REMAIN DURING REMOVAL AND CONSTRUCTION. PROVIDE CONSTRUCTION BARRIERS AND OTHER SITE PROTECTION REQUIREMENTS CONSISTENT WITH THE MATERIALS SPECIFICATIONS SECTION, AND DIVISION 1, GENERAL REQUIREMENTS.
7. SALVAGED MATERIALS INDICATED ARE PROPERTY OF THE PARK. TEMPORARILY STORE MATERIALS ON SITE AS DIRECTED BY THE PARK. PROVIDE ALL NECESSARY PROTECTION AGAINST MOISTURE, IMPACT, AND ANY OTHER TYPE OF POTENTIAL DAMAGE.
8. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, WORK ORDERS REQUIRED & SHALL NOTIFY ALL UTILITIES HAVING SERVICE CONNECTIONS WITHIN THE SITE.
9. CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS DAILY.
10. IT IS ANTICIPATED THAT THE PARK WILL REMOVE THE MAJORITY OF PARK EQUIPMENT AND FURNITURE STORED IN THIS AREA. CONTRACTOR SHALL COORDINATE WITH THE PARK FOR REMOVAL AND DISPOSAL OF ANY REMAINING ITEMS.

DEMO SHEET NOTES

(D2) DISASSEMBLE AND SALVAGE WOOD SIDING TYP FULL BUILDING (SEE SPECIFICATION 06 40 13 AND STRUCTURAL DRAWINGS). SEE DETAIL 5/A900.

(D4) INSTALL WINDOW PROTECTION PANELS (TYP. OF 8)

(D5) SEE DOOR SCHEDULE. PROTECT AS NOTED OR, DEMO AS NOTED.

(D6) DEMOLISH EXISTING FOUNDATION COMPLETE. COORDINATE WITH NOTE D16.

(D7) DEMOLISH FOOTINGS AND COLUMNS (TYP. OF 6). REFER TO STRUCTURE TYP.

(D11) EXISTING WOOD STEP TO REMAIN. PROTECT DURING DURATION OF WORK.

(D12) DEMOLISH CONCRETE STEPS COMPLETELY.

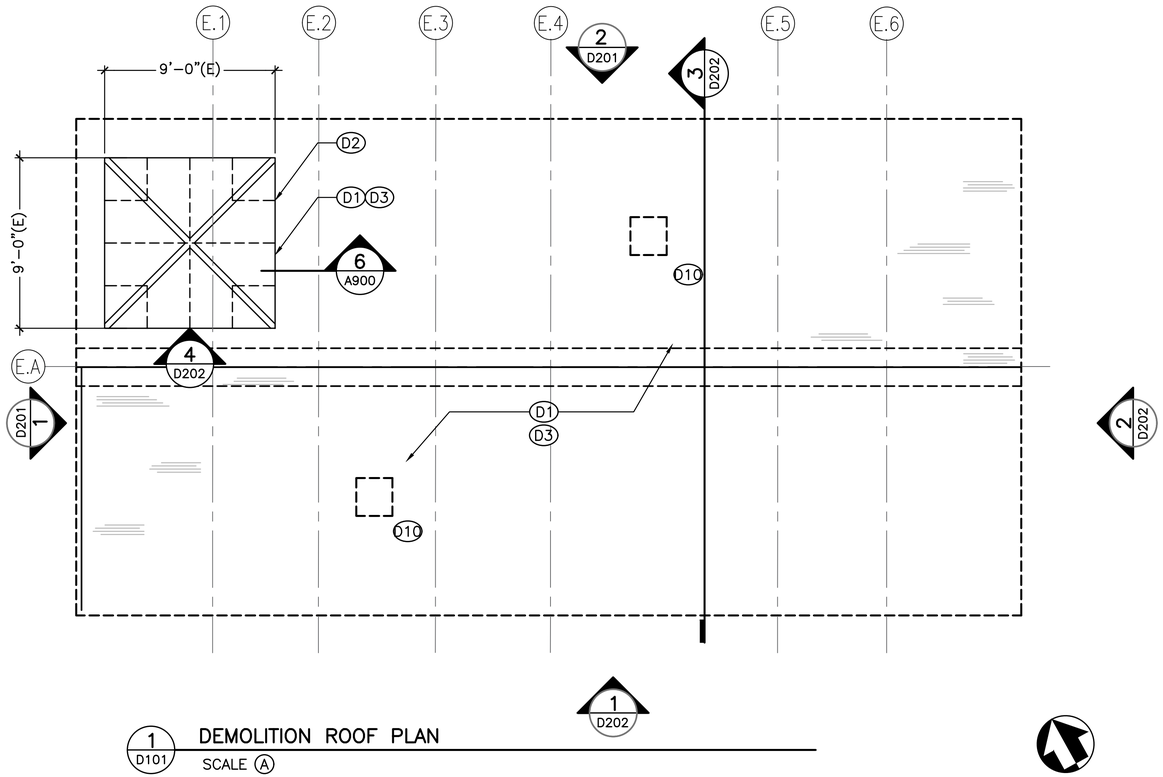
(D15) INTERIOR FLOORING AND FLOOR STRUCTURE TO REMAIN. SEE STRUCTURAL DRAWINGS FOR STABILIZATION WORK. PROTECT DURING DURATION OF WORK.

(D16) SALVAGE 12" WIDE FOUNDATION SECTION DELIVER TO PARK.

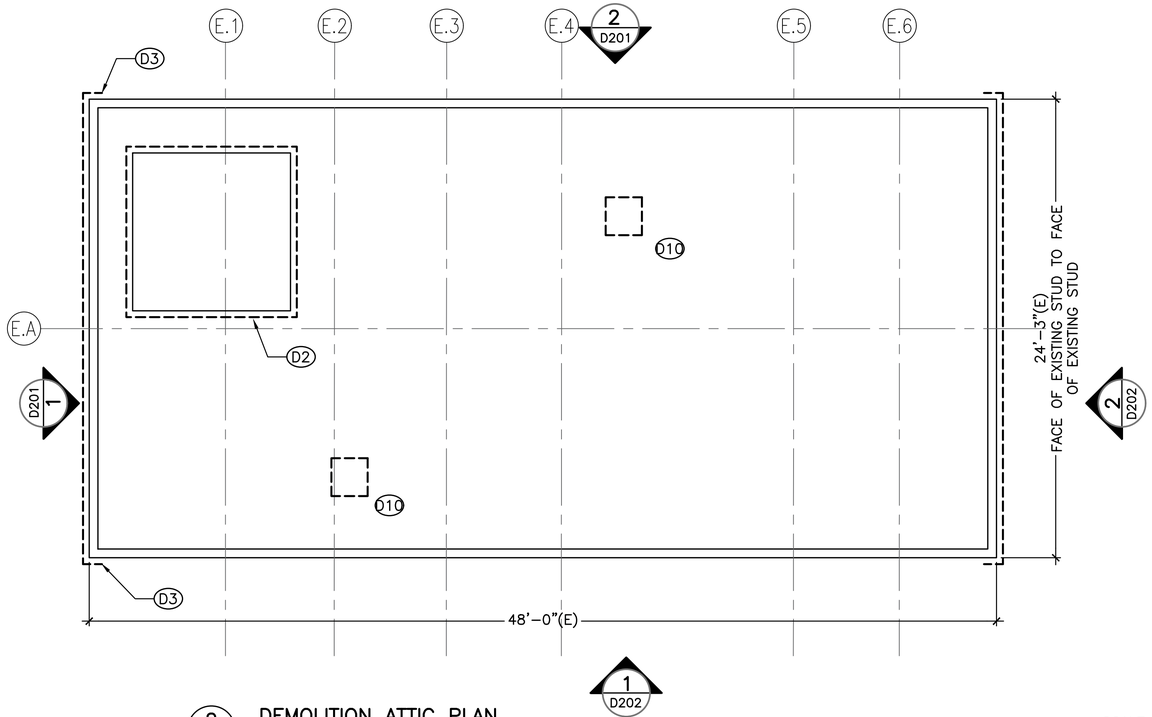
(D17) EXISTING ELECTRICAL POWER PANEL TO REMAIN. DISCONNECT CONDUIT AND WIRING TO ACCOMMODATE RAISING/LOWERING OF THE BUILDING AND SIDING REMOVAL.

NOT FOR CONSTRUCTION

DESIGNED: CADD WZ, LP TECH. REVIEW: KS DATE: 06/28/24	SUB SHEET NO. D100	TITLE OF SHEET DEMOLITION BASEMENT AND FIRST FLOOR PLAN FEE MEMORIAL CHURCH CAMP NELSON NATIONAL MONUMENT	DRAWING NO. 532 190070 PMIS/PKG NO. 323333B SHEET 7 OF 31



1 D101 DEMOLITION ROOF PLAN
SCALE (A)



2 D101 DEMOLITION ATTIC PLAN
SCALE (A)

SUGGESTED SEQUENCE – DEMOLITION

SUGGESTED SEQUENCE AND LIST OF IDENTIFIED ITEMS TO BE DISASSEMBLED, REMOVED AND SALVAGED PRIOR TO START OF FOUNDATION WORK.

1. PARK TO REMOVE: FAN COIL, HEAT PUMP, CONDENSING UNIT, AND DUCTWORK.
2. PARK TO REMOVE AND STORE: CROSSES, PICTURES, PEWS, ORGANS.
3. CONTRACTOR TO SALVAGE, PROTECT & STORE: CEILING HUNG PENDANT LIGHT FIXTURES.
4. CONTRACTOR TO PROTECT OPENINGS, AND REMOVE AS IDENTIFIED: DOORS.
5. WINDOWS TO BE PROTECTED WITH PLYWOOD PANELS
6. JACKING OF THE BUILDING.
7. 12" WIDE SECTION OF CONCRETE FOUNDATION TO BE CAREFULLY CUT AND SALVAGED & TURNED OVER TO THE PARK.
7. DEMOLITION OF REMAINING EXISTING FOUNDATION
8. CONSTRUCTION OF NEW FOUNDATION
9. BUILDING TO BE SET DOWN ON NEW FOUNDATION AND SECURED.
10. CONTRACTOR TO REMOVE EXISTING ROOFING DOWN TO EXISTING DECK.
11. CONTRACTOR TO REMOVE/SALVAGE SIDING AS IDENTIFIED.

GENERAL NOTES – DEMOLITION

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6. PROTECT EXISTING INTERIOR WALLS AND DEVICES TO REMAIN DURING REMOVAL AND CONSTRUCTION. PROVIDE CONSTRUCTION BARRIERS AND OTHER SITE PROTECTION REQUIREMENTS CONSISTENT WITH THE MATERIALS SPECIFICATIONS SECTION, AND DIVISION 1, GENERAL REQUIREMENTS.
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9. CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS DAILY.
10. IT IS ANTICIPATED THAT THE PARK WILL REMOVE THE MAJORITY OF PARK EQUIPMENT AND FURNITURE STORED IN THIS AREA. CONTRACTOR SHALL COORDINATE WITH THE PARK FOR REMOVAL AND DISPOSAL OF ANY REMAINING ITEMS.

DEMO SHEET NOTES

(D1) DISASSEMBLE ROOF SYSTEM DOWN TO WOOD SKIP SHEATHING (TYP. ALL ROOF AREAS).

(D2) DISASSEMBLE AND SALVAGE WOOD SIDING TYP FULL BUILDING (SEE SPECIFICATION 06 40 13 AND STRUCTURAL DRAWINGS). SEE DETAIL 5/A900.

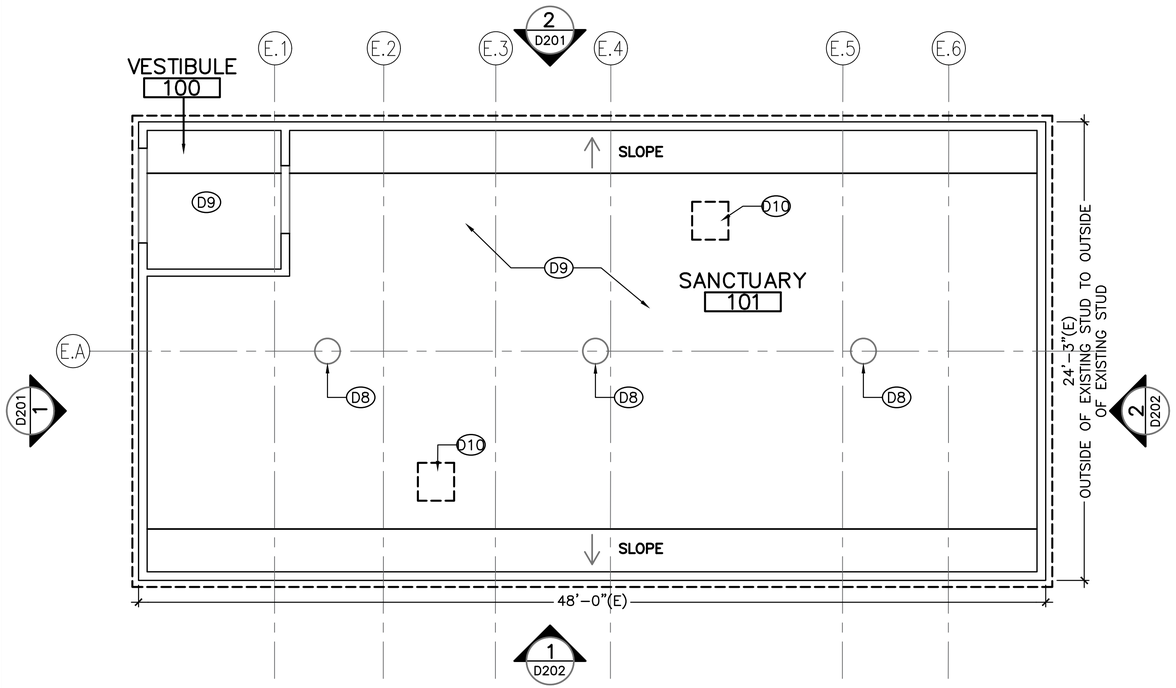
(D3) DISASSEMBLE AND SALVAGE WOOD TRIM, SOFFITS, VERGE BOARDS, AND EAVES. TYPICAL FULL BUILDING. SEE STRUCTURAL SHEETS FOR ADDITIONAL INFORMATION.

(D10) 2' X 2' EXISTING AREA OF BRICK AT CHIMNEY BASE TO REMAIN, SALVAGE. CUT EXISTING ROOF DECK ABOVE TO ALLOW FOR RECONSTRUCTION OF

SCALE (A) 0 2 4 8
SCALE OF FEET

NOT FOR CONSTRUCTION

DESIGNED: WZ, LP TECH. REVIEW: KS DATE: 06/28/24	SUB SHEET NO. D101	TITLE OF SHEET DEMOLITION ATTIC AND ROOF PLAN FEE MEMORIAL CHURCH CAMP NELSON NATIONAL MONUMENT	DRAWING NO. 532 190070 PMIS/PKG NO. 323333B SHEET 8 OF 31



1 D102 DEMOLITION REFLECTED CEILING PLAN

SCALE Ⓐ

SUGGESTED SEQUENCE – DEMOLITION

SUGGESTED SEQUENCE AND LIST OF IDENTIFIED ITEMS TO BE DISASSEMBLED, REMOVED AND SALVAGED PRIOR TO START OF FOUNDATION WORK.

1. PARK TO REMOVE: FAN COIL, HEAT PUMP, CONDENSING UNIT, AND DUCTWORK.
2. PARK TO REMOVE AND STORE: CROSSES, PICTURES, PEWS, ORGANS.
3. CONTRACTOR TO SALVAGE, PROTECT & STORE: CEILING HUNG PENDANT LIGHT FIXTURES.
4. CONTRACTOR TO PROTECT OPENINGS, AND REMOVE AS IDENTIFIED: DOORS.
5. WINDOWS TO BE PROTECTED WITH PLYWOOD PANELS
6. JACKING OF THE BUILDING.
7. 12" WIDE SECTION OF CONCRETE FOUNDATION TO BE CAREFULLY CUT AND SALVAGED & TURNED OVER TO THE PARK.
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10. CONTRACTOR TO REMOVE EXISTING ROOFING DOWN TO EXISTING DECK.
11. CONTRACTOR TO REMOVE/SALVAGE SIDING AS IDENTIFIED.

GENERAL NOTES – DEMOLITION

1. CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS PRIOR TO COMMENCING THE WORK. VERIFY-IN-FIELD ALL EXISTING CONDITIONS DIMENSIONS, ELEVATION HEIGHTS, CONSTRUCTION, AND BUILDING SYSTEMS PRIOR TO PROCEEDING WITH THE WORK.
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3. REFER TO THE SPECIFICATIONS DIVISION 1, GENERAL REQUIREMENTS, FOR RELATED CONSTRUCTION AND PROTECTION REQUIREMENTS.
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DEMO SHEET NOTES

(D8) SALVAGE FIXTURES PRIOR TO FOUNDATION WORK AND SIDING REMOVAL – 4 PENDANT, 1 EXTERIOR.

(D9) EXISTING CEILING TO REMAIN (TYP.).

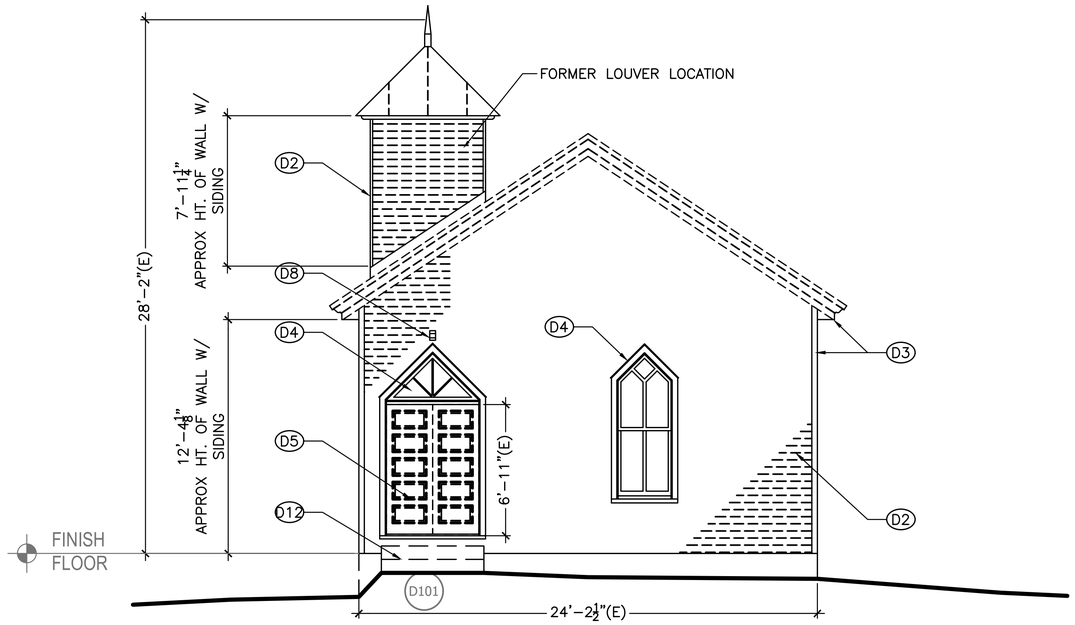
(D10) 2' X 2' EXISTING AREA OF BRICK AT CHIMNEY BASE TO REMAIN, SALVAGE. CUT EXISTING ROOF DECK ABOVE TO ALLOW FOR RECONSTRUCTION OF CHIMNEY.

(D11) EXISTING WOOD STEP TO REMAIN. PROTECT DURING DURATION OF WORK.

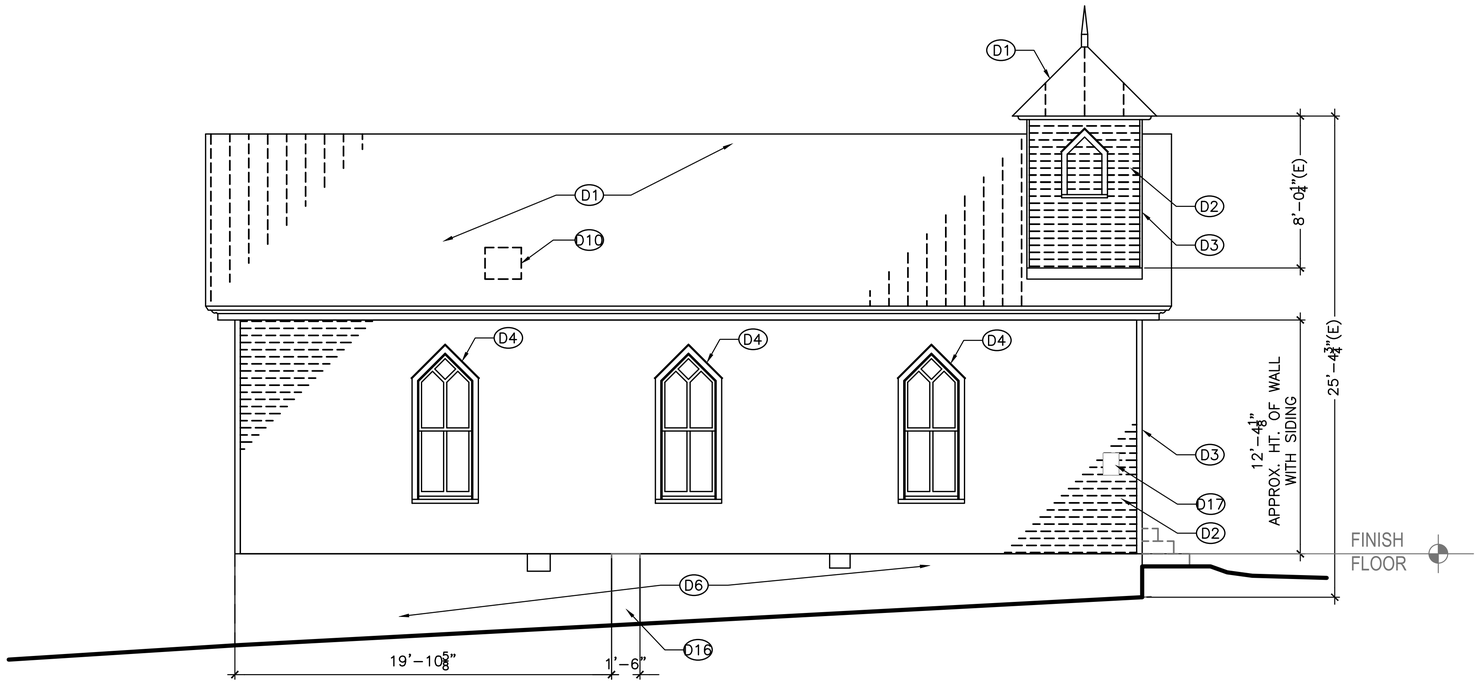
SCALE Ⓐ 0 2 4 8
SCALE OF FEET

NOT FOR CONSTRUCTION

DESIGNED: CADD WZ, LP TECH. REVIEW: KS DATE: 06/28/24	SUB SHEET NO. D102	TITLE OF SHEET: DEMOLITION REFLECTED CEILING PLAN FEE MEMORIAL CHURCH CAMP NELSON NATIONAL MONUMENT	DRAWING NO. 532 190070 PMIS/PKG NO. 323333B SHEET 9 OF 31



1 D201 WEST DEMOLITION ELEVATION
SCALE (A)



2 D201 NORTH DEMOLITION ELEVATION
SCALE (A)

SCALE (A) 0 2 4 8
SCALE OF FEET

SEQUENCE OF WORK – DEMOLITION

SUGGESTED SEQUENCE AND LIST OF IDENTIFIED ITEMS TO BE DISASSEMBLED, REMOVED AND SALVAGED PRIOR TO START OF FOUNDATION WORK.

1. PARK TO REMOVE: FAN COIL, HEAT PUMP, CONDENSING UNIT, AND DUCTWORK.
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GENERAL NOTES – DEMOLITION

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DEMO SHEET NOTES

(D1) DISASSEMBLE ROOF SYSTEM DOWN TO WOOD SKIP SHEATHING (TYP. ALL ROOF AREAS).

(D2) DISASSEMBLE AND SALVAGE WOOD SIDING TYP FULL BUILDING (SEE SPECIFICATION 06 40 13 AND STRUCTURAL DRAWINGS). SEE DETAIL 5/A900.

(D3) DISASSEMBLE AND SALVAGE WOOD TRIM, SOFFITS, VERGE BOARDS, AND EAVES. TYPICAL FULL BUILDING. SEE STRUCTURAL SHEETS FOR ADDITIONAL INFORMATION.

(D4) INSTALL WINDOW PROTECTION PANELS (TYP. OF 8)

(D5) SEE DOOR SCHEDULE. PROTECT AS NOTED OR, DEMO AS NOTED.

(D6) DEMOLISH EXISTING FOUNDATION COMPLETE. COORDINATE WITH NOTE D16.

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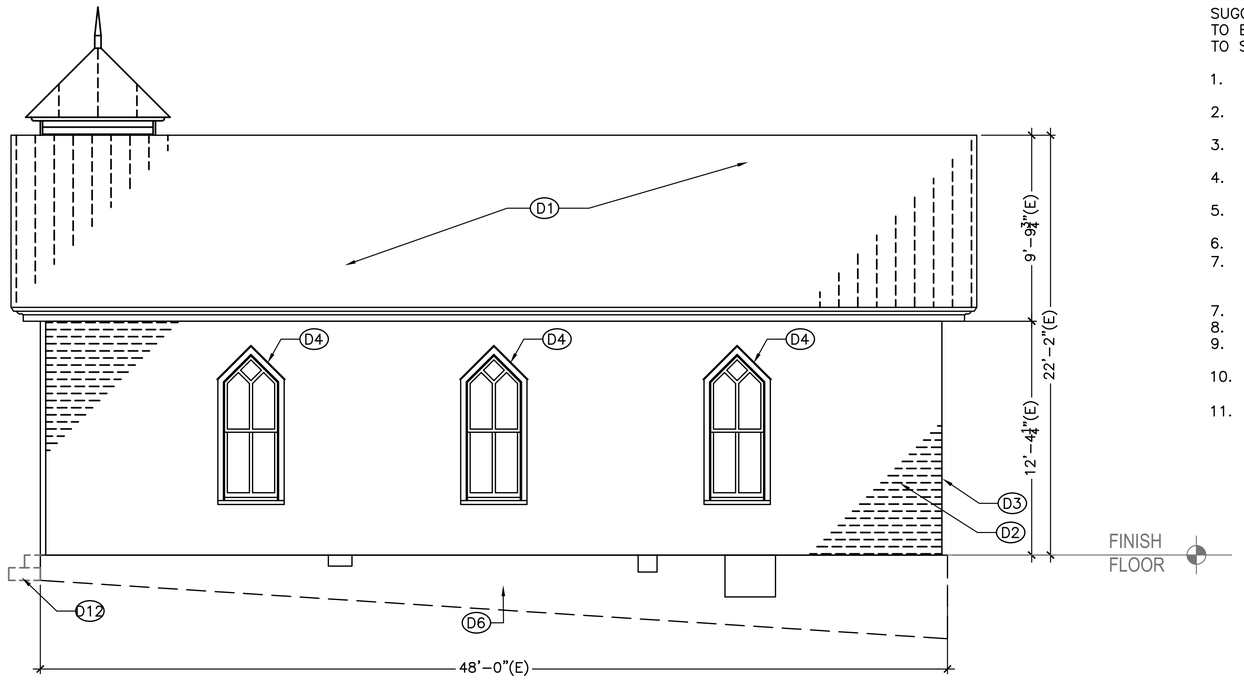
NOT FOR CONSTRUCTION

DESIGNED: CADD WZ, LP TECH. REVIEW: KS DATE: 06/28/24	SUB SHEET NO. D201	TITLE OF SHEET: DEMOLITION ELEVATIONS FEE MEMORIAL CHURCH CAMP NELSON NATIONAL MONUMENT	DRAWING NO. 532 190070 PMIS/PKG NO. 323333B SHEET 10 OF 31



1 D202 SOUTH DEMOLITION ELEVATION

SCALE A

SUGGESTED SEQUENCE – DEMOLITION

SUGGESTED SEQUENCE AND LIST OF IDENTIFIED ITEMS TO BE DISASSEMBLED, REMOVED AND SALVAGED PRIOR TO START OF FOUNDATION WORK.

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8. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, WORK ORDERS REQUIRED & SHALL NOTIFY ALL UTILITIES HAVING SERVICE CONNECTIONS WITHIN THE SITE.
9. CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS DAILY.
10. IT IS ANTICIPATED THAT THE PARK WILL REMOVE THE MAJORITY OF PARK EQUIPMENT AND FURNITURE STORED IN THIS AREA. CONTRACTOR SHALL COORDINATE WITH THE PARK FOR REMOVAL AND DISPOSAL OF ANY REMAINING ITEMS.

DEMO SHEET NOTES

(D1) DISASSEMBLE ROOF SYSTEM DOWN TO WOOD SKIP SHEATHING (TYP. ALL ROOF AREAS).

(D2) DISASSEMBLE AND SALVAGE WOOD SIDING TYP FULL BUILDING (SEE SPECIFICATION 06 40 13 AND STRUCTURAL DRAWINGS). SEE DETAIL 5/A900.

(D3) DISASSEMBLE AND SALVAGE WOOD TRIM, SOFFITS, VERGE BOARDS, AND EAVES. TYPICAL FULL BUILDING. SEE STRUCTURAL SHEETS FOR ADDITIONAL INFORMATION.

(D4) INSTALL WINDOW PROTECTION PANELS (TYP. OF 8)

(D5) SEE DOOR SCHEDULE. PROTECT AS NOTED OR, DEMO AS NOTED.

(D6) DEMOLISH EXISTING FOUNDATION COMPLETE. COORDINATE WITH NOTE D16.

(D7) DEMOLISH FOOTINGS AND COLUMNS (TYP. OF 6). REFER TO STRUCTURE TYP.

(D9) EXISTING CEILING TO REMAIN (TYP.).

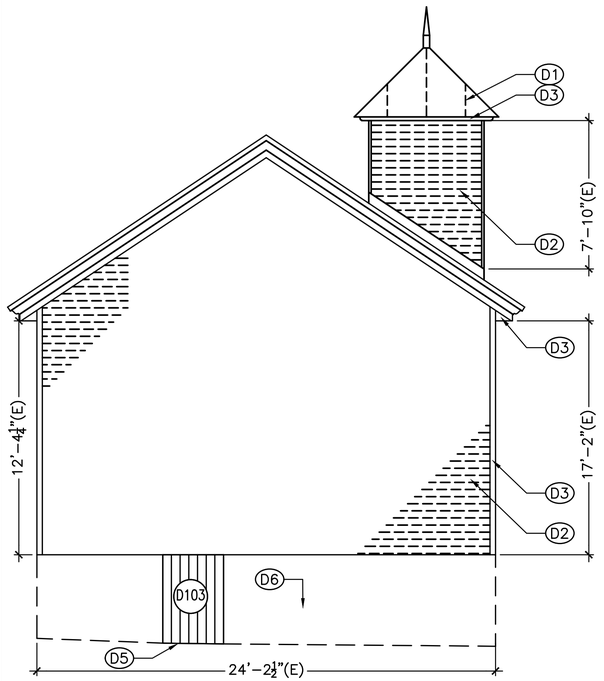
(D10) 2' X 2' EXISTING AREA OF BRICK AT CHIMNEY BASE TO REMAIN, SALVAGE. CUT EXISTING ROOF DECK ABOVE TO ALLOW FOR RECONSTRUCTION OF CHIMNEY.

(D12) DEMOLISH CONCRETE STEPS COMPLETELY.

(D13) INTERIOR CEILING SYSTEM AND FINISH TO REMAIN, PROTECT DURING ALL DEMOLITION OPERATIONS.

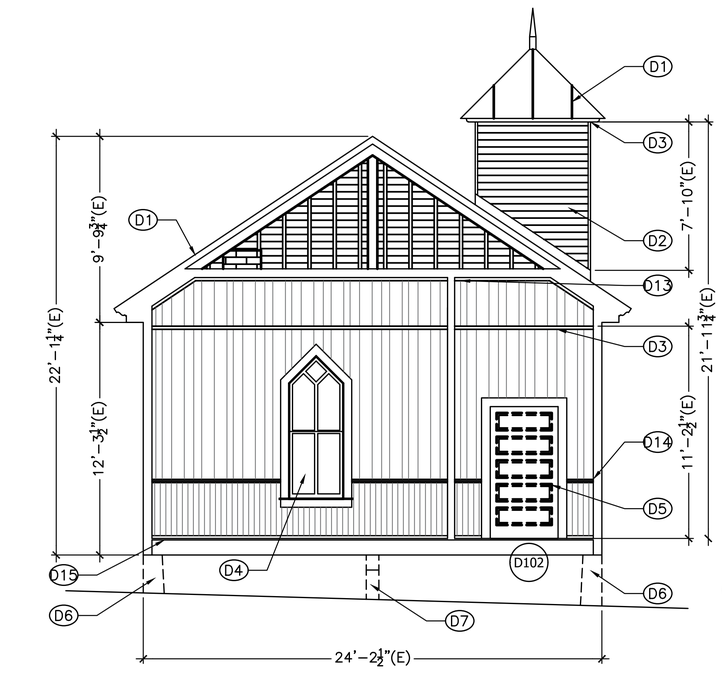
(D14) INTERIOR FINISHES TO REMAIN. PROTECT DURING DURATION OF WORK.

(D15) INTERIOR FLOORING AND FLOOR STRUCTURE TO REMAIN. SEE STRUCTURAL DRAWINGS FOR STABILIZATION WORK. PROTECT DURING DURATION OF WORK.



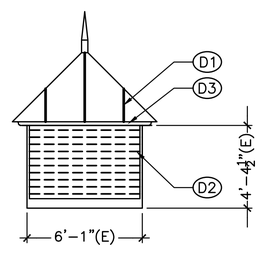
2 D202 EAST DEMOLITION ELEVATION

SCALE A



3 D202 DEMO SECTION FACING WEST

SCALE A



4 D202 DEMO SOUTH CUPOLA ELEVATION

SCALE A

SCALE A 0 2 4 8 SCALE OF FEET

NOT FOR CONSTRUCTION

DESIGNED: CADD WZ TECH. REVIEW: LK DATE: 06/28/24	SUB SHEET NO. D202	TITLE OF SHEET: DEMOLITION ELEVATIONS AND SECTIONS FEE MEMORIAL CHURCH CAMP NELSON NATIONAL MONUMENT	DRAWING NO. 532 190070 PMIS/PKG NO. 323333B SHEET 11 OF 31

H:\Project Files\021178-00-0000 NPS CAGR GREAT HOUSE SHELTER CONSTRUCTION DOCS\02_CAD\CAGR\210930B\DRAWINGS\BASE\XA-ELEVATION.dwg
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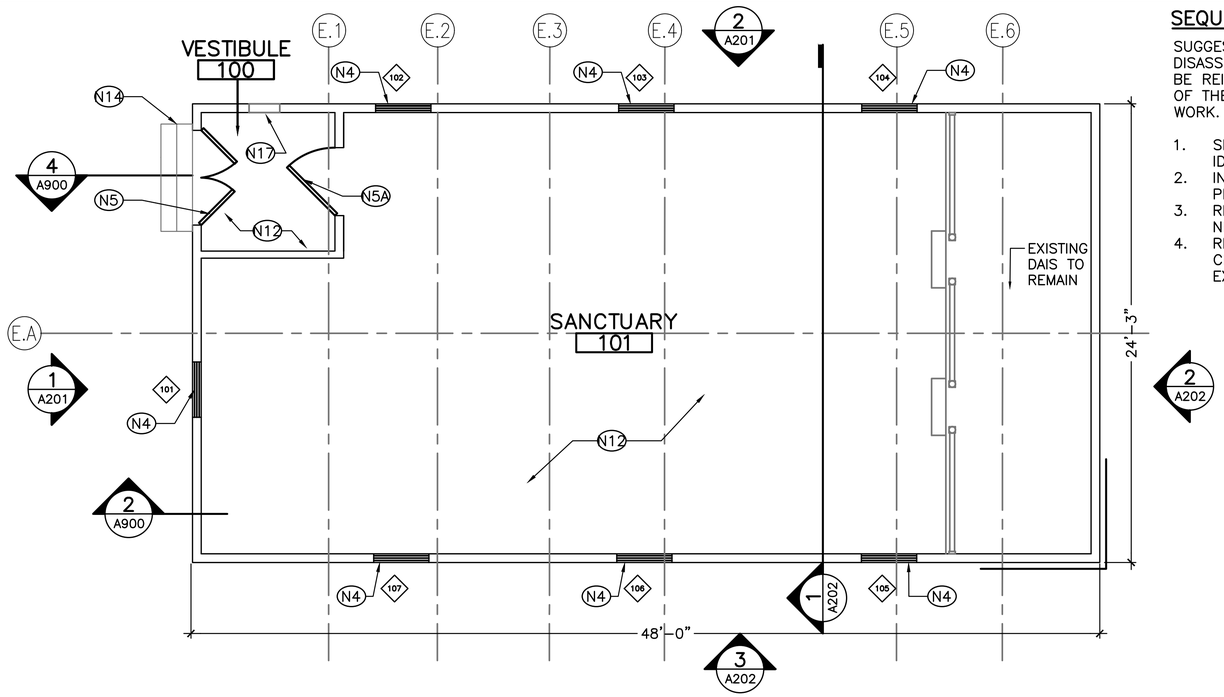


1 A100 FIRST FLOOR PLAN

SCALE (A)

SEQUENCE OF WORK – NEW WORK

SUGGESTED SEQUENCE AND LIST OF ITEMS TO BE DISASSEMBLED, REMOVED AND SALVAGED THAT WILL BE REINSTALLED FOLLOWING THE CONSTRUCTION OF THE NEW FOUNDATION WORK AND STRUCTURAL WORK.

1. SISTER STUDS AND FRAMING MEMBERS IDENTIFIED.
2. INSTALL SHEATHING AT ROOF DECK AND PERIMETER WALLS.
3. REINSTALLATION OF SALVAGED, REPAIRED, OR NEW SIDING; REHANG DOORS.
4. REINSTALLATION OF SALVAGED MATERIAL: CEILING–HUNG PENDANT LIGHT FIXTURES AND EXTERIOR LIGHTS.

GENERAL NOTES – NEW WORK

1. CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS PRIOR TO COMMENCING THE WORK. VERIFY–IN–FIELD ALL EXISTING CONDITIONS DIMENSIONS, ELEVATION HEIGHTS, CONSTRUCTION, AND BUILDING SYSTEMS PRIOR TO PROCEEDING WITH THE WORK.
2. CONTRACTOR SHALL NOTIFY THE CO/COR OF ANY AND ALL DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND EXISTING CONDITIONS PRIOR TO PROCEEDING WITH THE WORK.
3. REFER TO THE SPECIFICATIONS DIVISION 1, GENERAL REQUIREMENTS, FOR RELATED CONSTRUCTION AND PROTECTION REQUIREMENTS.
4. REFER TO THE ARCHITECTURAL DRAWINGS 'G' SERIES FOR PROJECT CRITERIA. ARCHITECTURAL ABBREVIATIONS, ARCHITECTURAL DIMENSIONING CONVENTIONS, ARCHITECTURAL GENERAL NOTES, DEFINITIONS, ARCHITECTURAL SYMBOLS AND NOTES.
5. HAZARDOUS MATERIAL NOTE:
   5.1. SEE ASBESTOS, LEAD BASED PAINT & HAZARDOUS MATERIAL SPECIFICATIONS REPORTS CONTAINED IN THE PROJECT MANUAL.
6. THE EXECUTION OF WORK CONSTITUTES ACCEPTANCE OF THE CONDITIONS. LATER CLAIMS WILL NOT CONSTITUTE RELIEF FROM THE REQUIREMENTS OF THE SPECIFICATIONS UNDER THIS SECTION, NOR WILL EXTRA COMPENSATION BE PAID.
7. ALL NEW FOUNDATION AND STAIRS TO BE POURED IN EXISTING LOCATION. COORDINATE WITH STRUCTURAL DRAWINGS.

FLOOR PLAN – SHEET NOTES

(N4) PAINT WINDOW PROTECTION SYSTEM AND INSTALL VINYL GRAPHIC ART. SEE SPEC 08 51 60 AND SCHEDULE/DETAILS ON A902.

(N5) EXISTING DOOR IS TO BE REMOVED BEFORE STARTING STRUCTURAL WORK AND SEE DOOR SCHEDULE ON SHEET A902.

(N5A) REINSTALL EXISTING DOOR AT COMPLETION OF STRUCTURAL WORK. SEE SCHEDULE ON SHEET A902.

(N6) NEW BOARD FORMED CONCRETE FOUNDATION SYSTEM WITH 4 FAUX VENT OPENINGS TO MATCH HISTORIC. SEE DETAIL 2/A901 AND STRUCTURAL DETAILS. SEE A201 AND A202 FOR LOCATION OF VENTS.

(N7) NEW MECHANICAL ROOM. SEE S100.

(N8) LOCATION OF FORMER STOVE PIPE, BELOW REBUILT CHIMNEYS. NO WORK.

(N9) EXISTING ATTIC ACCESS HATCH. SEE DOOR SCHEDULE.

(N10) REINSTALL SALVAGED LIGHT FIXTURES, 4 PENDANT, 1 EXTERIOR.

(N11) EXISTING CEILING SYSTEM AND FINISH TO REMAIN. PROTECT–IN–PLACE DURING ALL CONSTRUCTION OPERATIONS (TYP.)

(N12) EXISTING FRAMING AND INTERIOR FINISHES TO REMAIN, PROTECT–IN–PLACE DURING ALL CONSTRUCTION OPERATIONS (TYP.)

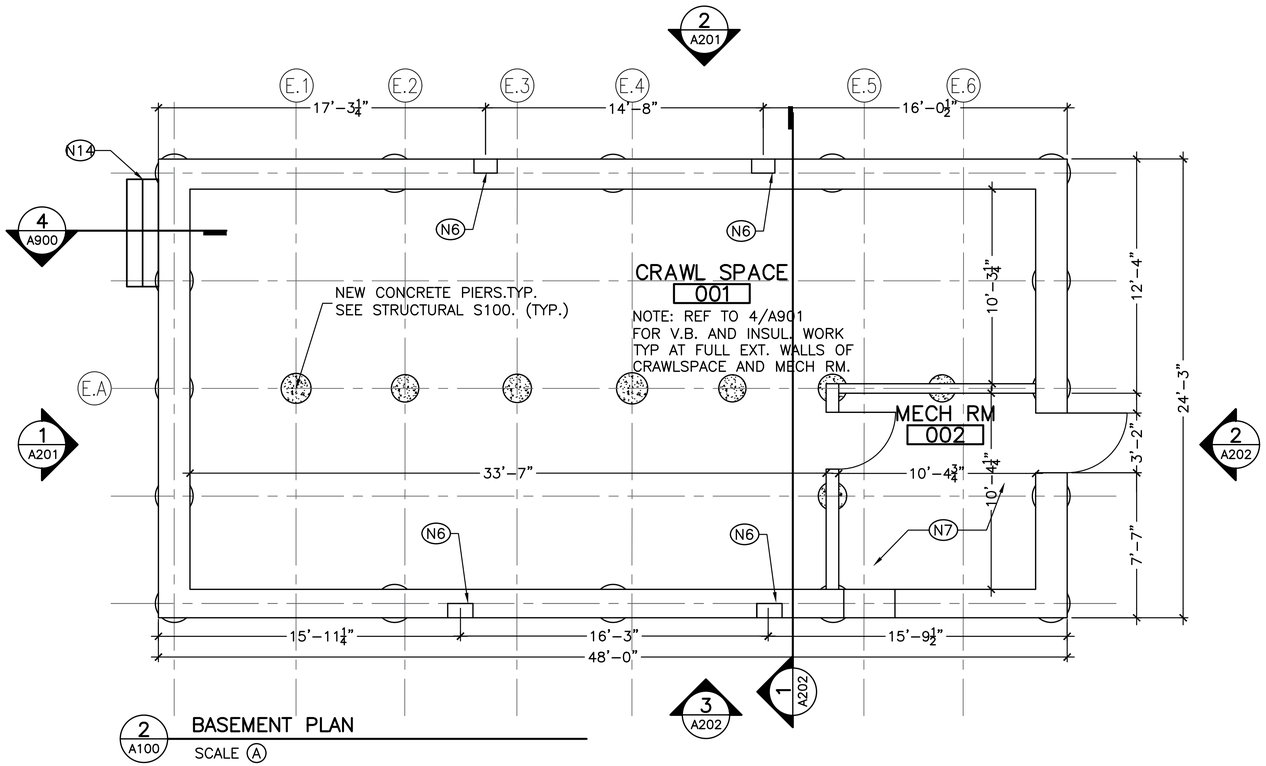
(N13) RECONSTRUCT CHIMNEY AT EXISTING CHIMNEY BASE. PROVIDE FLASHING AT NEW ROOF ASSEMBLY. SEE DETAIL 1/A903 AND 3/A903.

(N14) NEW CONCRETE STAIRS. SEE DETAIL 4/A900 AND STRUCTURAL DRAWINGS 5/S400 ABAAS RAMP BY PARK.

(N15) INSTALL NEW GUTTERS AND DOWNSPOUTS, SEE DETAIL 3/A901.

(N16) INSTALL NEW OPENING & WINDOW LOUVER (TYP.). SEE WINDOW SCHEDULE. PROVIDE 2' LONG CONCRETE SPLASH BLOCK AT EACH DOWNSPOUT (TYP.)

(N17) EXISTING ELECTRICAL PANEL TO REMAIN. RECONNECT TO BUILDING AFTER FOUNDATION AND SIDING WORK IS COMPLETE. NEW CONDUIT AND WIRE TO ACCOMMODATE RAISING AND LOWERING OF THE BUILDING. TYP. ALL UTILITIES.



2 A100 BASEMENT PLAN

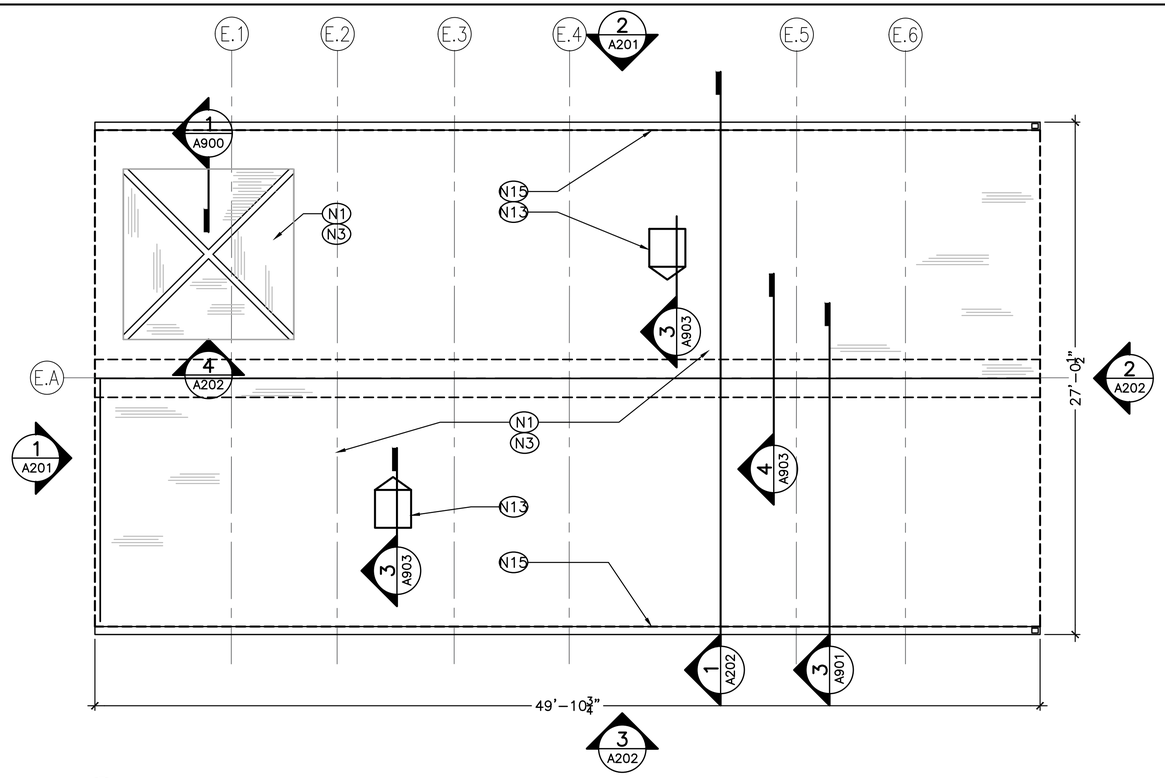
SCALE (A)

SCALE (A) 0 2 4 8

SCALE OF FEET

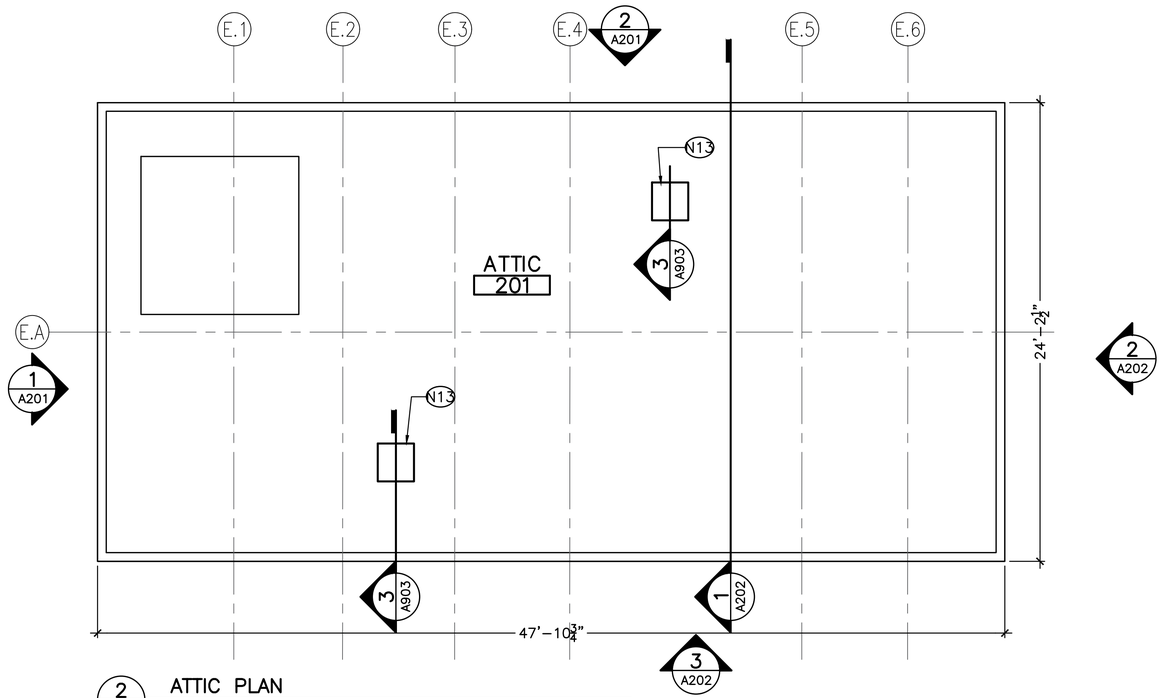
NOT FOR CONSTRUCTION

DESIGNED: CADD WZ, LP TECH. REVIEW: KS DATE: 06/28/24	SUB SHEET NO. A100	TITLE OF SHEET BASEMENT AND FIRST FLOOR PLAN FEE MEMORIAL CHURCH CAMP NELSON NATIONAL MONUMENT	DRAWING NO. 532 190070 PMIS/PKG NO. 323333B SHEET 12 OF 31



1 A101 ROOF PLAN

SCALE A



2 A101 ATTIC PLAN

SCALE A

SEQUENCE OF WORK – NEW WORK

SUGGESTED SEQUENCE AND LIST OF ITEMS TO BE DISASSEMBLED, REMOVED AND SALVAGED THAT WILL BE REINSTALLED FOLLOWING THE CONSTRUCTION OF THE NEW FOUNDATION WORK AND STRUCTURAL WORK.

1. SISTER STUDS AND FRAMING MEMBERS IDENTIFIED.
2. INSTALL SHEATHING AT ROOF DECK AND PERIMETER WALLS.
3. REINSTALLATION OF SALVAGED, REPAIRED, OR NEW SIDING; REHANG DOORS.
4. REINSTALLATION OF SALVAGED MATERIAL: CEILING–HUNG PENDANT LIGHT FIXTURES AND EXTERIOR LIGHTS.

GENERAL NOTES – NEW WORK

1. CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS PRIOR TO COMMENCING THE WORK. VERIFY–IN–FIELD ALL EXISTING CONDITIONS DIMENSIONS, ELEVATION HEIGHTS, CONSTRUCTION, AND BUILDING SYSTEMS PRIOR TO PROCEEDING WITH THE WORK.
2. CONTRACTOR SHALL NOTIFY THE CO/COR OF ANY AND ALL DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND EXISTING CONDITIONS PRIOR TO PROCEEDING WITH THE WORK.
3. REFER TO THE SPECIFICATIONS DIVISION 1, GENERAL REQUIREMENTS, FOR RELATED CONSTRUCTION AND PROTECTION REQUIREMENTS.
4. REFER TO THE ARCHITECTURAL DRAWINGS 'G' SERIES FOR PROJECT CRITERIA. ARCHITECTURAL ABBREVIATIONS, ARCHITECTURAL DIMENSIONING CONVENTIONS, ARCHITECTURAL GENERAL NOTES, DEFINITIONS, ARCHITECTURAL SYMBOLS AND NOTES.
5. HAZARDOUS MATERIAL NOTE:
   5.1. SEE ASBESTOS, LEAD BASED PAINT & HAZARDOUS MATERIAL SPECIFICATIONS REPORTS CONTAINED IN THE PROJECT MANUAL.
6. THE EXECUTION OF WORK CONSTITUTES ACCEPTANCE OF THE CONDITIONS. LATER CLAIMS WILL NOT CONSTITUTE RELIEF FROM THE REQUIREMENTS OF THE SPECIFICATIONS UNDER THIS SECTION, NOR WILL EXTRA COMPENSATION BE PAID.
7. ALL NEW FOUNDATION AND STAIRS TO BE POURED IN EXISTING LOCATION. COORDINATE WITH STRUCTURAL DRAWINGS.

NEW WORK – SHEET NOTES

(N1) REPAIR EXISTING SHEATHING (SEE 8/S400). INSTALL NEW CEDAR SHINGLE ROOF. SEE DETAIL 3/A901. REPAIR AND REINSTALL FINIAL.

(N3) INSTALL NEW SIDING, WOOD TRIM, EAVE AND SOFFIT MATERIAL, AND MERGE BOARDS AT ALL LOCATIONS.

(N12) EXISTING FRAMING AND INTERIOR FINISHES TO REMAIN, PROTECT–IN–PLACE DURING ALL CONSTRUCTION OPERATIONS (TYP.)

(N14) NEW CONCRETE STAIRS. SEE DETAIL 4/A900 AND STRUCTURAL DRAWINGS 5/S400 ABAAS RAMP BY PARK.

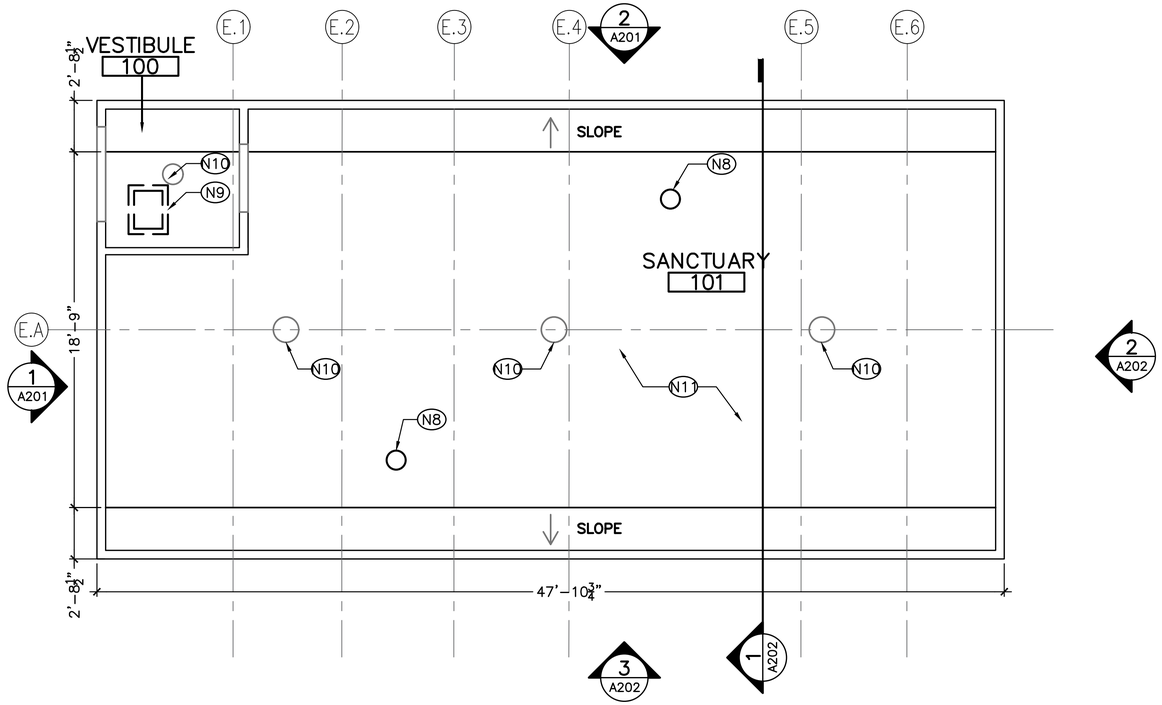
(N15) INSTALL NEW GUTTERS AND DOWNSPOUTS, SEE DETAIL 3/A901.

(N17) EXISTING ELECTRICAL PANEL TO REMAIN. RECONNECT TO BUILDING AFTER FOUNDATION AND SIDING WORK IS COMPLETE. NEW CONDUIT AND WIRE TO ACCOMMODATE RAISING AND LOWERING OF THE BUILDING. TYP. ALL UTILITIES.

SCALE A 0 2 4 8
SCALE OF FEET

NOT FOR CONSTRUCTION

DESIGNED: CADD WZ, LP TECH. REVIEW: LK DATE: 06/28/24	SUB SHEET NO. A101	TITLE OF SHEET: ATTIC AND ROOF PLAN FEE MEMORIAL CHURCH CAMP NELSON NATIONAL MONUMENT	DRAWING NO. 532 190070 PMIS/PKG NO. 323333B SHEET 13 OF 31



1 A102 REFLECTED CEILING PLAN

SCALE (A)

SEQUENCE OF WORK – NEW WORK

SUGGESTED SEQUENCE AND LIST OF ITEMS TO BE DISASSEMBLED, REMOVED AND SALVAGED THAT WILL BE REINSTALLED FOLLOWING THE CONSTRUCTION OF THE NEW FOUNDATION WORK AND STRUCTURAL WORK.

1. SISTER STUDS AND FRAMING MEMBERS IDENTIFIED.
2. INSTALL SHEATHING AT ROOF DECK AND PERIMETER WALLS.
3. REINSTALLATION OF SALVAGED, REPAIRED, OR NEW SIDING; REHANG DOORS.
4. REINSTALLATION OF SALVAGED MATERIAL: CEILING–HUNG PENDANT LIGHT FIXTURES AND EXTERIOR LIGHTS.

GENERAL NOTES – NEW WORK

1. CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS PRIOR TO COMMENCING THE WORK. VERIFY–IN–FIELD ALL EXISTING CONDITIONS DIMENSIONS, ELEVATION HEIGHTS, CONSTRUCTION, AND BUILDING SYSTEMS PRIOR TO PROCEEDING WITH THE WORK.
2. CONTRACTOR SHALL NOTIFY THE CO/COR OF ANY AND ALL DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND EXISTING CONDITIONS PRIOR TO PROCEEDING WITH THE WORK.
3. REFER TO THE SPECIFICATIONS DIVISION 1, GENERAL REQUIREMENTS, FOR RELATED CONSTRUCTION AND PROTECTION REQUIREMENTS.
4. REFER TO THE ARCHITECTURAL DRAWINGS 'G' SERIES FOR PROJECT CRITERIA. ARCHITECTURAL ABBREVIATIONS, ARCHITECTURAL DIMENSIONING CONVENTIONS, ARCHITECTURAL GENERAL NOTES, DEFINITIONS, ARCHITECTURAL SYMBOLS AND NOTES.
5. HAZARDOUS MATERIAL NOTE:
   5.1. SEE ASBESTOS, LEAD BASED PAINT & HAZARDOUS MATERIAL SPECIFICATIONS REPORTS CONTAINED IN THE PROJECT MANUAL.
6. THE EXECUTION OF WORK CONSTITUTES ACCEPTANCE OF THE CONDITIONS. LATER CLAIMS WILL NOT CONSTITUTE RELIEF FROM THE REQUIREMENTS OF THE SPECIFICATIONS UNDER THIS SECTION, NOR WILL EXTRA COMPENSATION BE PAID.
7. ALL NEW FOUNDATION AND STAIRS TO BE POURED IN EXISTING LOCATION. COORDINATE WITH STRUCTURAL DRAWINGS.

NEW WORK – SHEET NOTES

(N8) LOCATION OF FORMER STOVE PIPE, BELOW REBUILT CHIMNEYS. NO WORK.

(N9) EXISTING ATTIC ACCESS HATCH. SEE DOOR SCHEDULE.

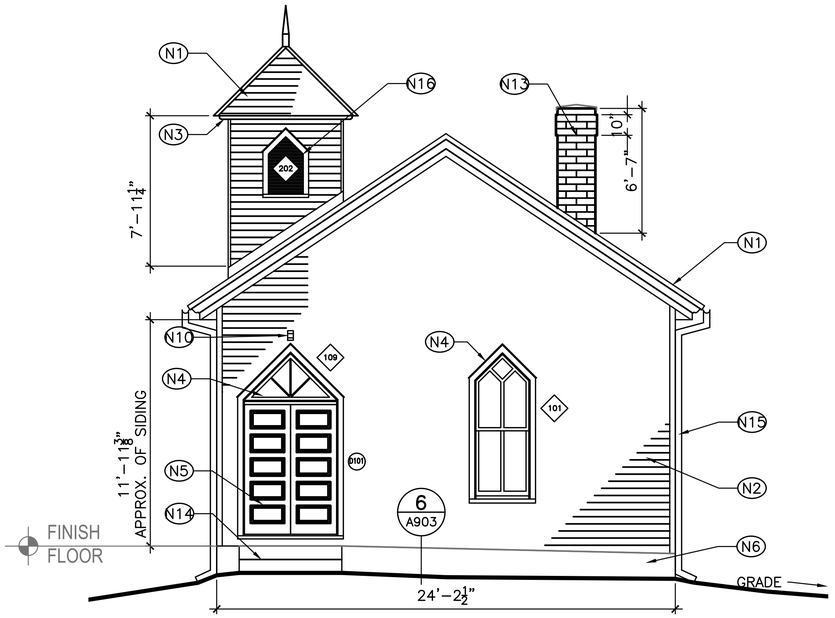
(N10) REINSTALL SALVAGED LIGHT FIXTURES, 4 PENDANT, 1 EXTERIOR.

(N11) EXISTING CEILING SYSTEM AND FINISH TO REMAIN. PROTECT–IN–PLACE DURING ALL CONSTRUCTION OPERATIONS (TYP.)

SCALE (A) 0 2 4 8 SCALE OF FEET

NOT FOR CONSTRUCTION

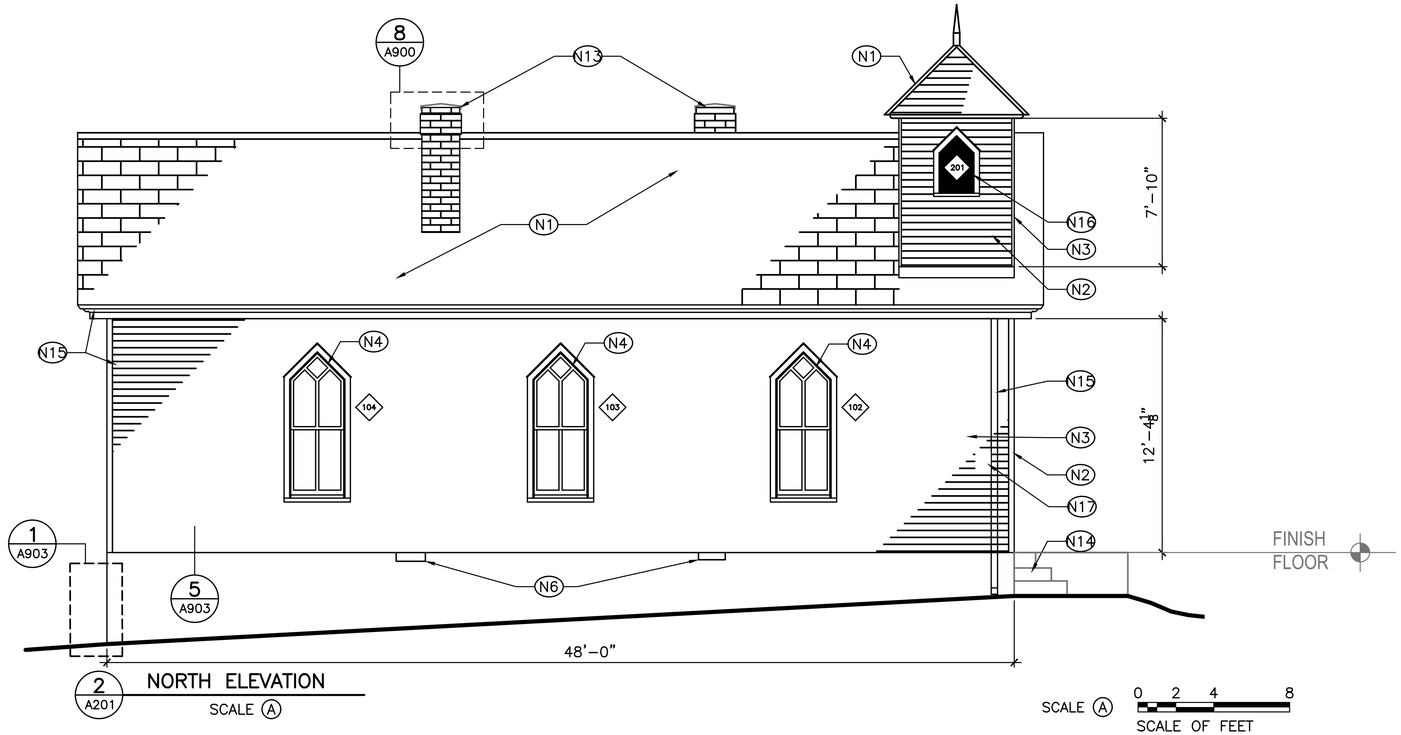
DESIGNED: CADD WZ, LP TECH. REVIEW: KS DATE: 06/28/24	SUB SHEET NO. A102	TITLE OF SHEET: REFLECTED CEILING PLAN FEE MEMORIAL CHURCH CAMP NELSON NATIONAL MONUMENT	DRAWING NO. 532 190070 PMIS/PKG NO. 323333B SHEET 14 OF 31



NOTE: ACCESSIBLE RAMP TO BE PROVIDED BY PARK

1 A201 **WEST ELEVATION**

SCALE (A)



2 A201 **NORTH ELEVATION**

SCALE (A)

SCALE (A) 0 2 4 8

SCALE OF FEET

SEQUENCE OF WORK

SUGGESTED SEQUENCE AND LIST OF ITEMS TO BE DISASSEMBLED, REMOVED AND SALVAGED THAT WILL BE REINSTALLED FOLLOWING THE CONSTRUCTION OF THE NEW FOUNDATION WORK AND STRUCTURAL WORK.

1. SISTER STUDS AND FRAMING MEMBERS IDENTIFIED.
2. INSTALL SHEATHING AT ROOF DECK AND PERIMETER WALLS.
3. REINSTALLATION OF SALVAGED, REPAIRED, OR NEW SIDING; REHANG DOORS.
4. REINSTALLATION OF SALVAGED MATERIAL: CEILING–HUNG PENDANT LIGHT FIXTURES AND EXTERIOR LIGHTS.

GENERAL NOTES – NEW WORK

1. CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS PRIOR TO COMMENCING THE WORK. VERIFY–IN–FIELD ALL EXISTING CONDITIONS DIMENSIONS, ELEVATION HEIGHTS, CONSTRUCTION, AND BUILDING SYSTEMS PRIOR TO PROCEEDING WITH THE WORK.
2. CONTRACTOR SHALL NOTIFY THE CO/COR OF ANY AND ALL DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND EXISTING CONDITIONS PRIOR TO PROCEEDING WITH THE WORK.
3. REFER TO THE SPECIFICATIONS DIVISION 1, GENERAL REQUIREMENTS, FOR RELATED CONSTRUCTION AND PROTECTION REQUIREMENTS.
4. REFER TO THE ARCHITECTURAL DRAWINGS 'G' SERIES FOR PROJECT CRITERIA. ARCHITECTURAL ABBREVIATIONS, ARCHITECTURAL DIMENSIONING CONVENTIONS, ARCHITECTURAL GENERAL NOTES, DEFINITIONS, ARCHITECTURAL SYMBOLS AND NOTES.
5. HAZARDOUS MATERIAL NOTE:
   5.1. SEE ASBESTOS, LEAD BASED PAINT & HAZARDOUS MATERIAL SPECIFICATIONS REPORTS CONTAINED IN THE PROJECT MANUAL.
6. THE EXECUTION OF WORK CONSTITUTES ACCEPTANCE OF THE CONDITIONS. LATER CLAIMS WILL NOT CONSTITUTE RELIEF FROM THE REQUIREMENTS OF THE SPECIFICATIONS UNDER THIS SECTION, NOR WILL EXTRA COMPENSATION BE PAID.
7. ALL NEW FOUNDATION AND STAIRS TO BE POURED IN EXISTING LOCATION. COORDINATE WITH STRUCTURAL DRAWINGS.

NEW WORK – SHEET NOTES

(N1) REPAIR EXISTING SHEATHING (SEE 8/S400). INSTALL NEW CEDAR SHINGLE ROOF. SEE DETAIL 3/A901. REPAIR AND REINSTALL FINIAL.

(N2) REINSTALL SALVAGED AND REPLACED WOOD SIDING AT WEST ELEVATION. INSTALL SIDING IN BEST CONDITION AND IN LONGEST LEGNTHS FROM SALVAGED STOCK. INSTALL NEW TRIM EAVES, SOFFITS, MERGE BOARDS TO MATCH PREVIOUSLY EXISTING PROFILES AND SPECIES.

(N3) INSTALL NEW SIDING, WOOD TRIM, EAVE AND SOFFIT MATERIAL, AND MERGE BOARDS AT ALL LOCATIONS.

(N4) PAINT WINDOW PROTECTION SYSTEM AND INSTALL VINYL GRAPHIC ART. SEE SPEC 08 51 60 AND SCHEDULE/DETAILS ON A902.

(N5) EXISTING DOOR IS TO BE REMOVED BEFORE STARTING STRUCTURAL WORK AND SEE DOOR SCHEDULE ON SHEET A902.

(N5A) REINSTALL EXISTING DOOR AT COMPLETION OF STRUCTURAL WORK. SEE SCHEDULE ON SHEET A902.

(N6) NEW BOARD FORMED CONCRETE FOUNDATION SYSTEM WITH 4 FAUX VENT OPENINGS TO MATCH HISTORIC. SEE DETAIL 2/A901 AND STRUCTURAL DETAILS. SEE A201 AND A202 FOR LOCATION OF VENTS.

(N10) REINSTALL SALVAGED LIGHT FIXTURES, 4 PENDANT, 1 EXTERIOR.

(N13) RECONSTRUCT CHIMNEY AT EXISTING CHIMNEY BASE. PROVIDE FLASHING AT NEW ROOF ASSEMBLY. SEE DETAIL 1/A903 AND 3/A903.

(N14) NEW CONCRETE STAIRS. SEE DETAIL 4/A900 AND STRUCTURAL DRAWINGS 5/S400 ABAAS RAMP BY PARK.

(N15) INSTALL NEW GUTTERS AND DOWNSPOUTS, SEE DETAIL 3/A901.

(N16) INSTALL NEW OPENING & WINDOW LOUVER (TYP.). SEE WINDOW SCHEDULE. PROVIDE 2' LONG CONCRETE SPLASH BLOCK AT EACH DOWNSPOUT (TYP.)

(N17) EXISTING ELECTRICAL PANEL TO REMAIN. RECONNECT TO BUILDING AFTER FOUNDATION AND SIDING WORK IS COMPLETE. NEW CONDUIT AND WIRE TO ACCOMMODATE RAISING AND LOWERING OF THE BUILDING. TYP. ALL UTILITIES.

NOT FOR CONSTRUCTION

DESIGNED:	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO.
CADD WZ, LP TECH. REVIEW: KS DATE: 06/28/24	A201	ELEVATIONS FEE MEMORIAL CHURCH CAMP NELSON NATIONAL MONUMENT	532 190070 PMIS/PKG NO. 323333B SHEET 15 OF 31

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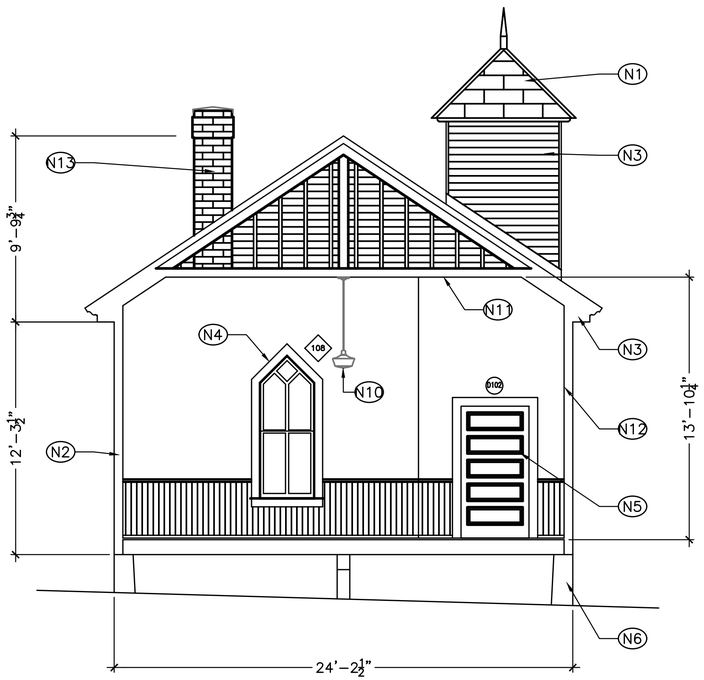
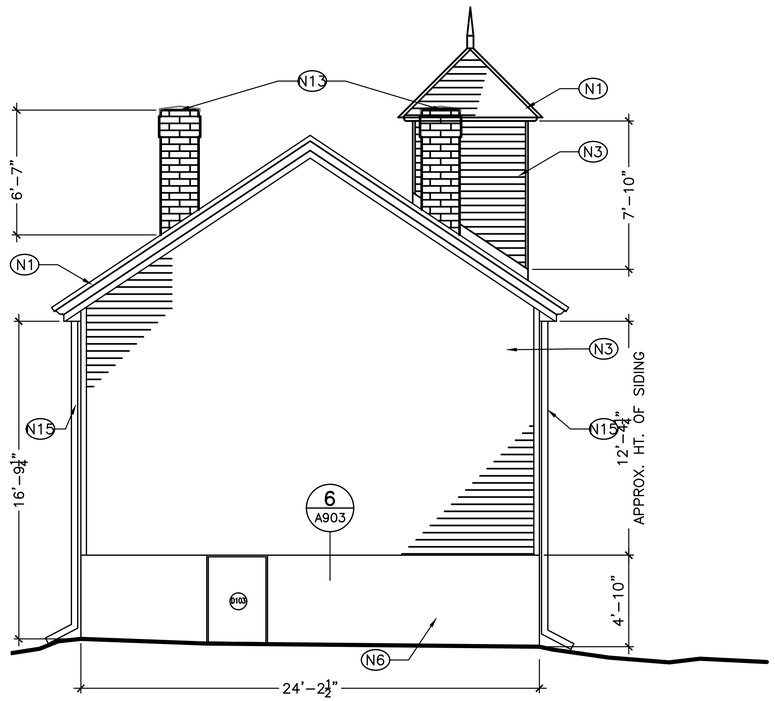


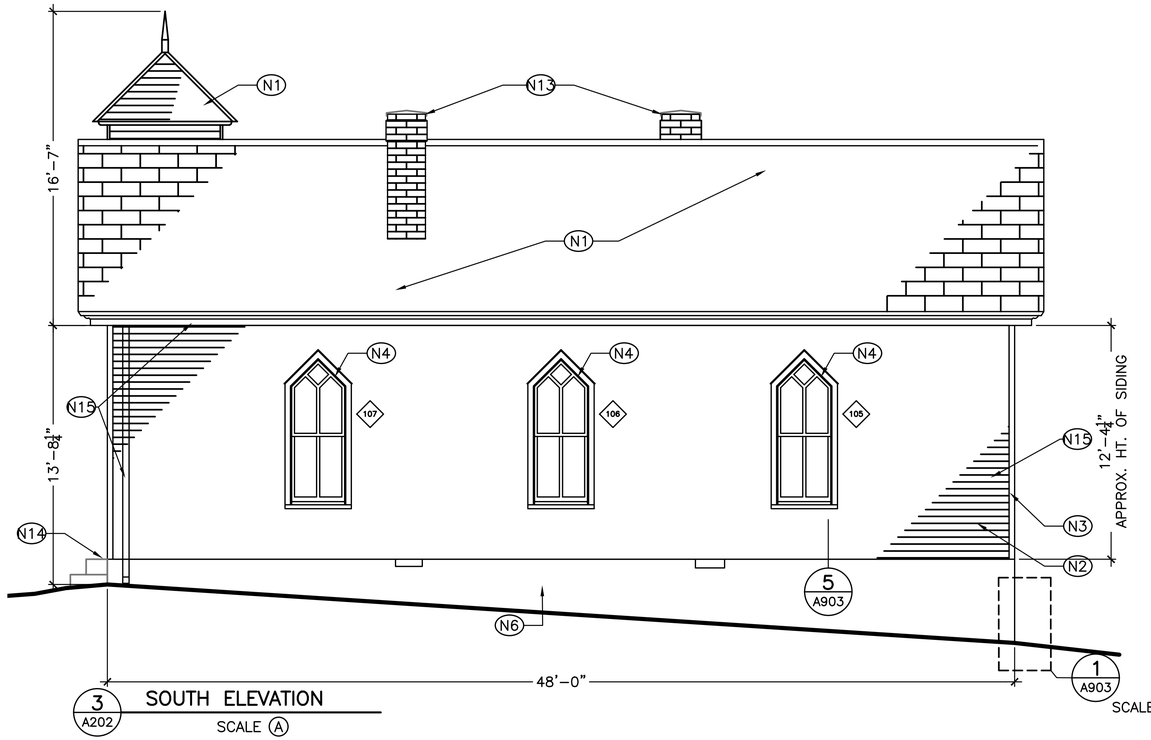
1 A202 SECTION FACING WEST

SCALE (A)



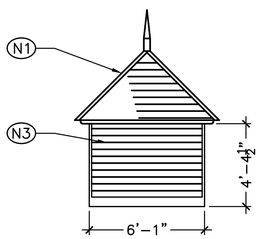
2 A202 EAST ELEVATION

SCALE (A)



3 A202 SOUTH ELEVATION

SCALE (A)



4 A202 SOUTH CUPOLA ELEVATION

SCALE (A)

0 2 4 8

SCALE OF FEET

GENERAL NOTES – NEW WORK

1. CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS PRIOR TO COMMENCING THE WORK. VERIFY–IN–FIELD ALL EXISTING CONDITIONS DIMENSIONS, ELEVATION HEIGHTS, CONSTRUCTION, AND BUILDING SYSTEMS PRIOR TO PROCEEDING WITH THE WORK.
2. CONTRACTOR SHALL NOTIFY THE CO/COR OF ANY AND ALL DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND EXISTING CONDITIONS PRIOR TO PROCEEDING WITH THE WORK.
3. REFER TO THE SPECIFICATIONS DIVISION 1, GENERAL REQUIREMENTS, FOR RELATED CONSTRUCTION AND PROTECTION REQUIREMENTS.
4. REFER TO THE ARCHITECTURAL DRAWINGS "G" SERIES FOR PROJECT CRITERIA. ARCHITECTURAL ABBREVIATIONS, ARCHITECTURAL DIMENSIONING CONVENTIONS, ARCHITECTURAL GENERAL NOTES, DEFINITIONS, ARCHITECTURAL SYMBOLS AND NOTES.
5. HAZARDOUS MATERIAL NOTE:
   5.1. SEE ASBESTOS, LEAD BASED PAINT & HAZARDOUS MATERIAL SPECIFICATIONS REPORTS CONTAINED IN THE PROJECT MANUAL.
6. THE EXECUTION OF WORK CONSTITUTES ACCEPTANCE OF THE CONDITIONS. LATER CLAIMS WILL NOT CONSTITUTE RELIEF FROM THE REQUIREMENTS OF THE SPECIFICATIONS UNDER THIS SECTION, NOR WILL EXTRA COMPENSATION BE PAID.
7. ALL NEW FOUNDATION AND STAIRS TO BE POURED IN EXISTING LOCATION. COORDINATE WITH STRUCTURAL DRAWINGS.

NEW WORK – SHEET NOTES

(N1) REPAIR EXISTING SHEATHING (SEE 8/S400). INSTALL NEW CEDAR SHINGLE ROOF. SEE DETAIL 3/A901. REPAIR AND REINSTALL FINIAL.

(N2) REINSTALL SALVAGED AND REPLACED WOOD SIDING AT WEST ELEVATION. INSTALL SIDING IN BEST CONDITION AND IN LONGEST LEGNTHS FROM SALVAGED STOCK. INSTALL NEW TRIM EAVES, SOFFITS, MERGE BOARDS TO MATCH PREVIOUSLY EXISTING PROFILES AND SPECIES.

(N3) INSTALL NEW SIDING, WOOD TRIM, EAVE AND SOFFIT MATERIAL, AND MERGE BOARDS AT ALL LOCATIONS.

(N4) PAINT WINDOW PROTECTION SYSTEM AND INSTALL VINYL GRAPHIC ART. SEE SPEC 08 51 60 AND SCHEDULE/DETAILS ON A902.

(N5) EXISTING DOOR IS TO BE REMOVED BEFORE STARTING STRUCTURAL WORK AND SEE DOOR SCHEDULE ON SHEET A902.

(N5A) REINSTALL EXISTING DOOR AT COMPLETION OF STRUCTURAL WORK. SEE SCHEDULE ON SHEET A902.

(N6) NEW BOARD FORMED CONCRETE FOUNDATION SYSTEM WITH 4 FAUX VENT OPENINGS TO MATCH HISTORIC. SEE DETAIL 2/A901 AND STRUCTURAL DETAILS. SEE A201 AND A202 FOR LOCATION OF VENTS.

(N10) REINSTALL SALVAGED LIGHT FIXTURES, 4 PENDANT, 1 EXTERIOR.

(N11) EXISTING CEILING SYSTEM AND FINISH TO REMAIN. PROTECT–IN–PLACE DURING ALL CONSTRUCTION OPERATIONS (TYP.)

(N12) EXISTING FRAMING AND INTERIOR FINISHES TO REMAIN, PROTECT–IN–PLACE DURING ALL CONSTRUCTION OPERATIONS (TYP.)

(N13) RECONSTRUCT CHIMNEY AT EXISTING CHIMNEY BASE. PROVIDE FLASHING AT NEW ROOF ASSEMBLY. SEE DETAIL 1/A903 AND 3/A903.

(N14) NEW CONCRETE STAIRS. SEE DETAIL 4/A900 AND STRUCTURAL DRAWINGS 5/S400 ABAAS RAMP BY PARK.

(N15) INSTALL NEW GUTTERS AND DOWNSPOUTS, SEE DETAIL 3/A901.

SEQUENCE OF WORK

SUGGESTED SEQUENCE AND LIST OF ITEMS TO BE DISASSEMBLED, REMOVED AND SALVAGED THAT WILL BE REINSTALLED FOLLOWING THE CONSTRUCTION OF THE NEW FOUNDATION WORK AND STRUCTURAL WORK.

1. CONTRACTOR TO DISASSEMBLE: ROOF SYSTEM
2. CONTRACTOR TO SALVAGE& REPAIR: EXTERIOR SIDING AND 4 WALLS OF CUPOLA; CORNER TRIM, FINIAL, BRICK FIREPLACE REMNANT IN ATTIC;
3. REINSTALLATION OF SALVAGED AND REPAIRED SIDING; REHANG DOORS; REPAIR FINIAL.
4. REINSTALLATION OF SALVAGED MATERIAL: CEILING–HUNG PENDANT LIGHT FIXTURES.

NOT FOR CONSTRUCTION

DESIGNED:	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO.
CADD WZ, LP	A202	ELEVATIONS	532 190070
TECH. REVIEW: KS			PMIS/PKG NO. 323333B
DATE: 06/28/24		FEE MEMORIAL CHURCH CAMP NELSON NATIONAL MONUMENT	SHEET 16 OF 31

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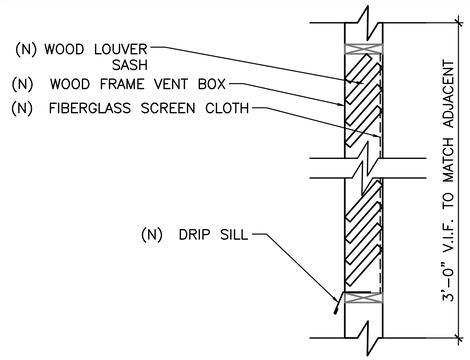
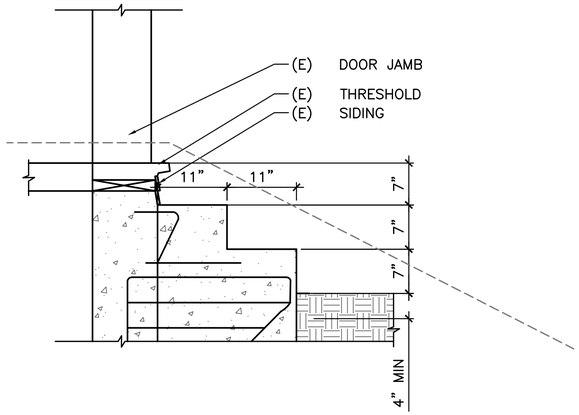


1 A900 **CUPOLA LOUVER DETAIL**

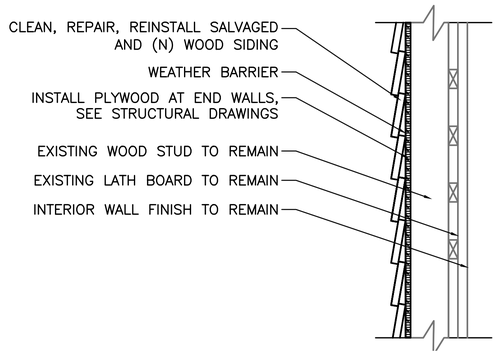
SCALE (A)



NOTE 1: SEE STRUCTURAL DRAWING 5/S400.
NOTE 2: OWNER TO PROVIDE TEMPORARY ACCESSIBLE RAMP

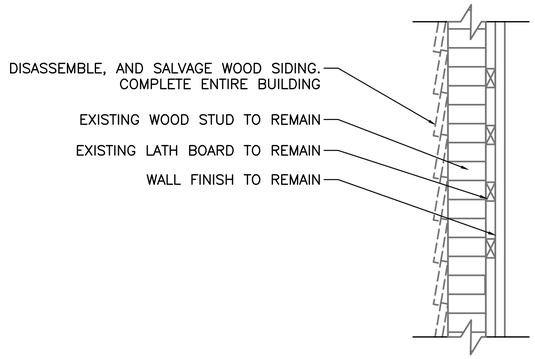
4 A900 **CONCRETE STAIR DETAIL**

SCALE (B)



2 A900 **NEW WALL DETAIL**

SCALE (A)

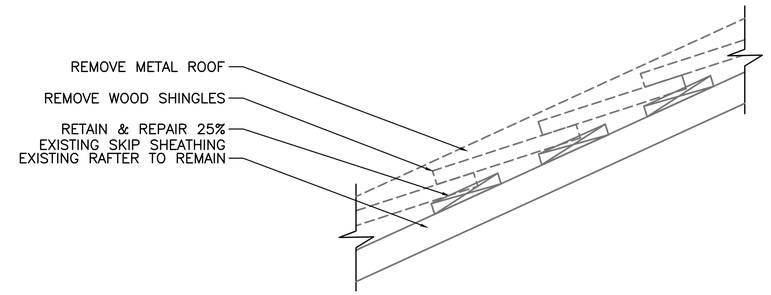


5 A900 **DEMOLITION WALL DETAIL**

SCALE (A)

3 A900 **NOT USED**

SCALE (A)



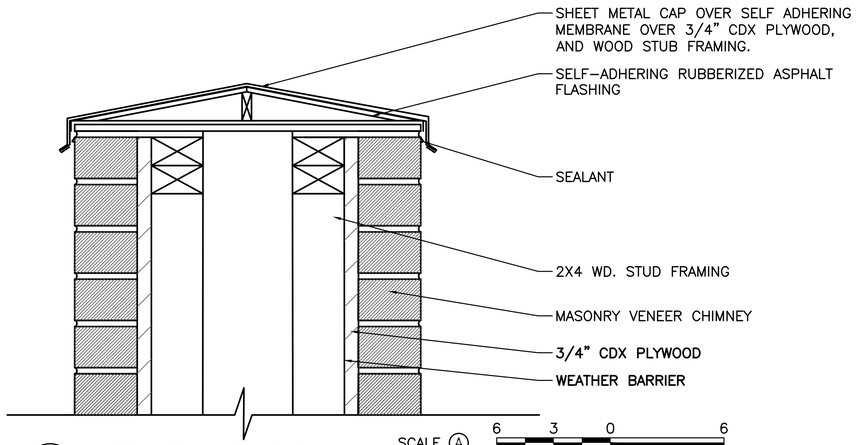
NOTE: SALVAGE & REUSE CUPOLA ROOF

6 A900 **DEMOLITION CUPOLA ROOF DETAIL**

SCALE (A)

7 A900 **NOT USED**

SCALE (A)



8 A900 **METAL CHIMNEY CAP**

SCALE (A)

SCALE (A) 6 3 0 6 SCALE OF INCHES

SCALE (B) 1 0 1 2 SCALE OF FEET

NOT FOR CONSTRUCTION

DESIGNED: CADD WZ, LP TECH. REVIEW: KS DATE: 06/28/24	SUB SHEET NO. A900	TITLE OF SHEET: DETAILS FEE MEMORIAL CHURCH CAMP NELSON NATIONAL MONUMENT	DRAWING NO. 532 190070 PMIS/PKG NO. 323333B SHEET 17 OF 31

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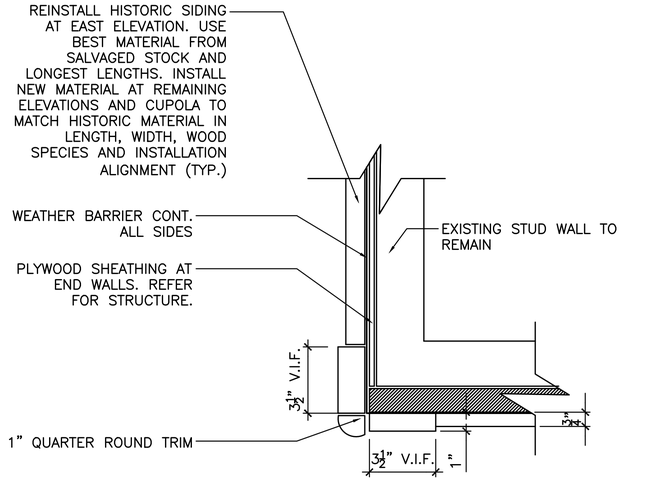
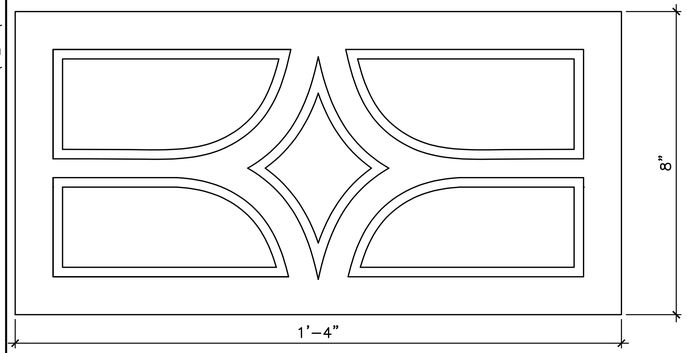


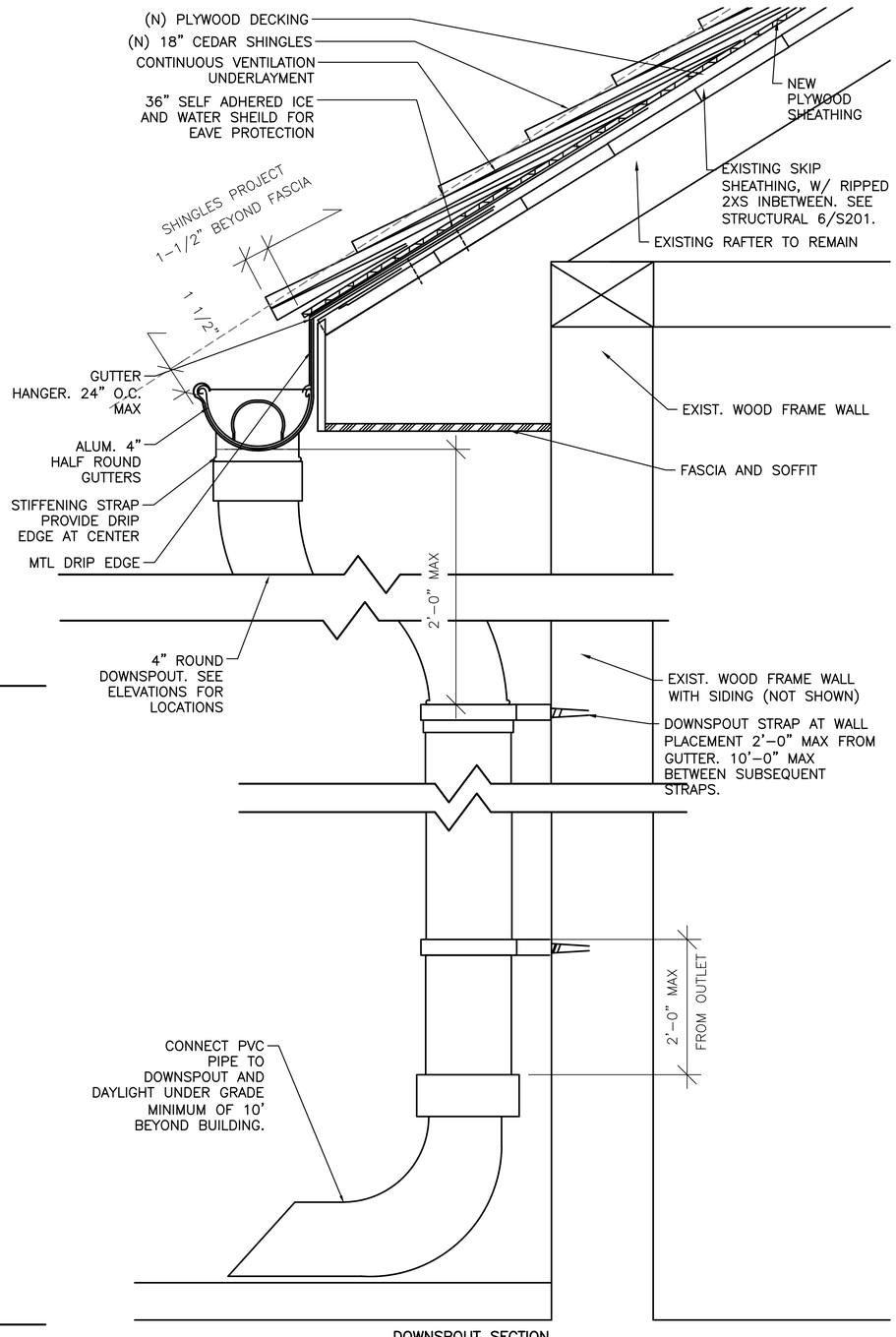
NOTES: 1. SEE STR DWGS FOR PLYWOOD SHEATHING DETAIL
2. (N) EXTENDED TRIM BDS AT N & S FACADES ONLY, TOTAL OF 4.

1 / A901 PLYWOOD SHEATHING DETAIL – WALL SIDING
SCALE Ⓒ

NOTES:
1. (N) UNIT VENTILATION SCREEN, WITHOUT FLANGE
2. MINIMUM 3" DEPTH, PROVIDE GALVANIZED MESH RODENT SCREEN ON THE BACKSIDE OF GRILLE PART OF THE UNIT.
3. INSERT INTO NEW FOUNDATION, 4 LOCATIONS.
4. PROTECT EXPOSED VENT SURFACES FROM WET MORTAR.
5. LOCATED AT TOP OF FOUNDATION WALL.
6. SEE DETAILS 4/A901.



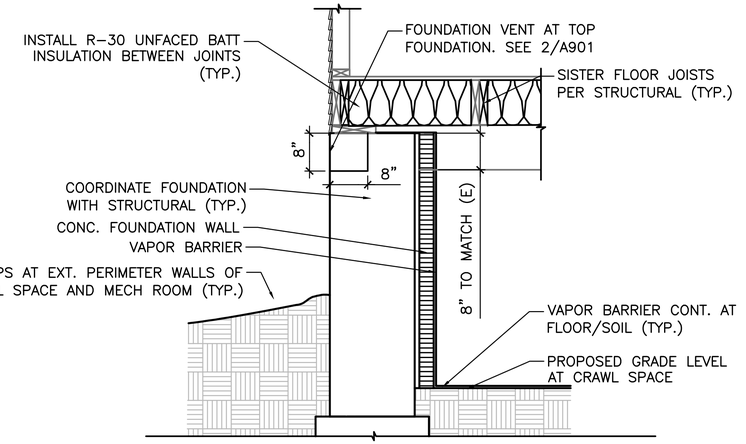
2 / A901 NEW FDN VENT GRILLE
SCALE Ⓑ



3 / A901 DOWNSPOUT SECTION
SCALE Ⓓ

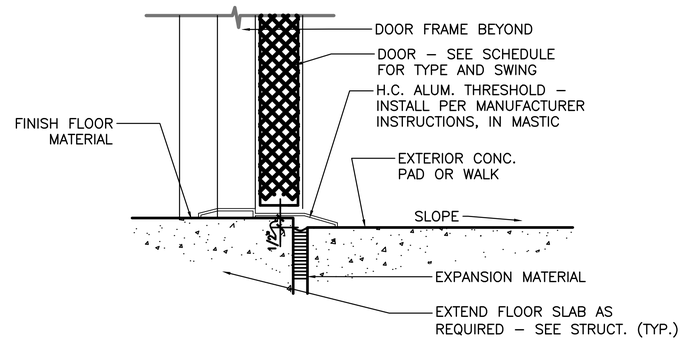
GENERAL NOTES – NEW WORK

1. CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS PRIOR TO COMMENCING THE WORK. VERIFY–IN–FIELD ALL EXISTING CONDITIONS DIMENSIONS, ELEVATION HEIGHTS, CONSTRUCTION, AND BUILDING SYSTEMS PRIOR TO PROCEEDING WITH THE WORK.
2. CONTRACTOR SHALL NOTIFY THE CO/COR OF ANY AND ALL DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND EXISTING CONDITIONS PRIOR TO PROCEEDING WITH THE WORK.
3. REFER TO THE SPECIFICATIONS DIVISION 1, GENERAL REQUIREMENTS, FOR RELATED CONSTRUCTION AND PROTECTION REQUIREMENTS.
4. REFER TO THE ARCHITECTURAL DRAWINGS 'G' SERIES FOR PROJECT CRITERIA. ARCHITECTURAL ABBREVIATIONS, ARCHITECTURAL DIMENSIONING CONVENTIONS, ARCHITECTURAL GENERAL NOTES, DEFINITIONS, ARCHITECTURAL SYMBOLS AND NOTES.
5. HAZARDOUS MATERIAL NOTE:
   5.1. SEE ASBESTOS, LEAD BASED PAINT & HAZARDOUS MATERIAL SPECIFICATIONS REPORTS CONTAINED IN THE PROJECT MANUAL.
6. THE EXECUTION OF WORK CONSTITUTES ACCEPTANCE OF THE CONDITIONS. LATER CLAIMS WILL NOT CONSTITUTE RELIEF FROM THE REQUIREMENTS OF THE SPECIFICATIONS UNDER THIS SECTION, NOR WILL EXTRA COMPENSATION BE PAID.
7. ALL NEW FOUNDATION AND STAIRS TO BE POURED IN EXISTING LOCATION. COORDINATE WITH STRUCTURAL DRAWINGS.



NOTES: SEE DETAIL 5/A903

4 / A901 VENT AND FOUNDATION DETAIL
SCALE Ⓐ



5 / A901 BASEMENT LANDING AND THRESHOLD
SCALE Ⓑ

SCALE Ⓐ 1 0 1 2 3 SCALE OF FEET
SCALE Ⓑ 2 0 2 4 SCALE OF INCHES
SCALE Ⓒ 6 3 0 6 SCALE OF INCHES
SCALE Ⓓ 12 6 0 12 SCALE OF INCHES

NOT FOR CONSTRUCTION

DESIGNED:	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO.
CADD WZ, LP	A901	DETAILS	532 190070
TECH. REVIEW: KS			PMIS/PKG NO. 323333B
DATE: 06/28/24		FEE MEMORIAL CHURCH CAMP NELSON NATIONAL MONUMENT	SHEET 18 OF 31

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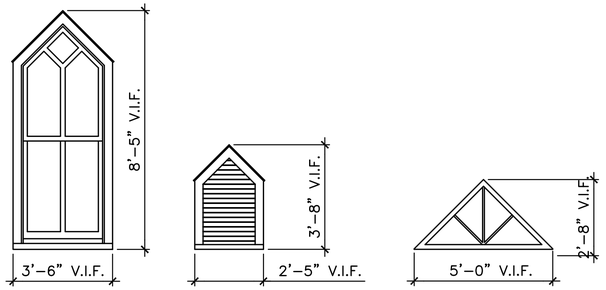
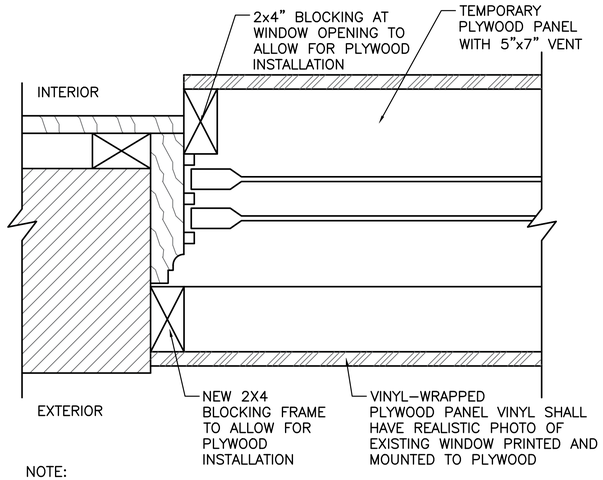


WINDOW TYPE A | WINDOW TYPE B | WINDOW TYPE C

NOTE:
WINDOWS AND LOUVERS ARE EXISTING AND WILL VARY IN DIMENSIONS. VERIFY ALL DIM'S FOR EACH LOCATION FOR WINDOW WORK AND FIT TYPE A, AND TYPE B FOR LOUVERS

1 A902 WINDOW TYPES

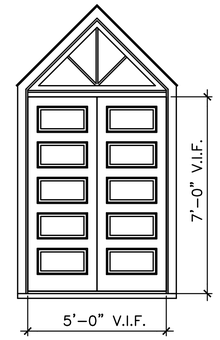
SCALE (A)



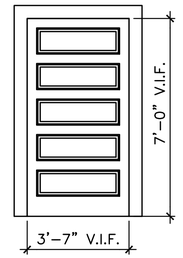
NOTE:
PROVIDE A 5"W X 7"H VENT IN THE PLYWOOD INSIDE A MUNTIN AREA.

2 A902 WINDOW PROTECTION DETAILS

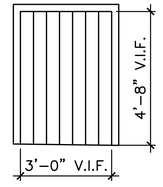
SCALE (B)



DOOR TYPE A
PAIR OF 2/6 7/0 DOORS



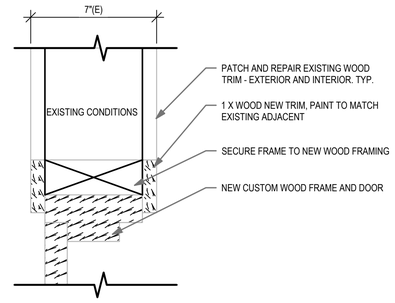
DOOR TYPE B
SINGLE DOOR



DOOR TYPE C
SINGLE DOOR

3 A902 DOOR TYPES

SCALE (A)



4 A902 DOOR JAMB

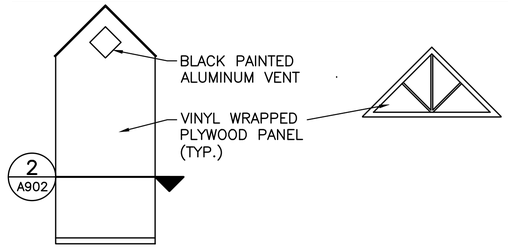
SCALE (A)

BASE BID: WINDOW SCHEDULE

WINDOW #	TYPE	DIMENSIONS (V.I.F.)	MATERIAL				ACTION		KEY: 4=REPLACE; R=REPAIR; - = NO WORK
			SILL	FRAME	SASH	GLAZING	SHEET METAL SILL COVER	PAINT	NOTES: *SEE SPEC 08 01 52 WOOD WINDOW RESTORATION
100	C	5' - 0" x 2' - 8"	WD	WD	WD	E	X	P1	PROVIDE TEMPORARY VINYL WRAPPED PLYWOOD PANEL. SEE DETAIL 4/A902
101	A	3' - 6" x 8' - 5"	WD	WD	WD	E	X	P1	PROVIDE TEMPORARY VINYL WRAPPED PLYWOOD PANEL. SEE DETAIL 4/A902
102	A	3' - 6" x 8' - 5"	WD	WD	WD	E	X	P1	PROVIDE TEMPORARY VINYL WRAPPED PLYWOOD PANEL. SEE DETAIL 4/A902
103	A	3' - 6" x 8' - 5"	WD	WD	WD	E	X	P1	PROVIDE TEMPORARY VINYL WRAPPED PLYWOOD PANEL. SEE DETAIL 4/A902
104	A	3' - 6" x 8' - 5"	WD	WD	WD	E	X	P1	PROVIDE TEMPORARY VINYL WRAPPED PLYWOOD PANEL. SEE DETAIL 4/A902
105	A	3' - 6" x 8' - 5"	WD	WD	WD	E	X	P1	PROVIDE TEMPORARY VINYL WRAPPED PLYWOOD PANEL. SEE DETAIL 4/A902
106	A	3' - 6" x 8' - 5"	WD	WD	WD	E	X	P1	PROVIDE TEMPORARY VINYL WRAPPED PLYWOOD PANEL. SEE DETAIL 4/A902
107	A	3' - 6" x 8' - 5"	WD	WD	WD	E	X	P1	PROVIDE TEMPORARY VINYL WRAPPED PLYWOOD PANEL. SEE DETAIL 4/A902
201	B	2' - 5" x 3' -8"	WD	WD	WD	E	-	P1	NEW: WD FRAME, WD SILL, METAL VENT.
202	B	2' - 5" x 3' -8"	WD	WD	WD	E	-	P1	REPAIR AND NEW METAL VENT.

DOOR SCHEDULE

Door #	Type	Location	Hand	Dimensions (V.I.F.)	Thickness	Material				Notes:	Action		
						Door	Frame	Sill	Hardware		Repair	New	Finish
D101	A	Exterior	Inward	5'-0" x 7'-0" x 1-3/4"	1-3/4"	Wood	Wood	Metal	H1	NEW DOOR SHALL MATCH HISTORIC 5-PANEL DOOR. RESTORE FRAME AND JAMB CASING PER SPECIFICATION 08 01 53.		X	P1
D102	B	Interior	Right	3'-7" x 7'-0" x 1-3/4"	EXIST.	Wood	Wood	Metal	H2	REPAIR EXISTING DOOR, FRAME AND JAMB CASING ACCORDING TO SPECIFICATION 08 01 53. REHANG SALVAGED DOOR.	X		P1
D103	C	Exterior	Left	3'-2-1/2" x 4'-8-1/2"	1--3/4"	Fiberglass	Wood	Metal	H3	NEW DOOR, FRAME AND THRESHOLD, NEW HARDWARE, SEE DETAIL 5/A901		X	P1
D104	C	Interior	Left	3'-2-1/2" x 4'-8-1/2"	1-3/4"	Fiberglass	Wood	Metal	H4	NEW DOOR, FRAME AND THRESHOLD, NEW HARDWARE, SEE DETAIL 5/A901		X	P1



5 A902 WINDOW PROTECTION ELEVATION

SCALE (A)

GENERAL NOTES – NEW WORK

1. CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS PRIOR TO COMMENCING THE WORK. VERIFY–IN–FIELD ALL EXISTING CONDITIONS DIMENSIONS, ELEVATION HEIGHTS, CONSTRUCTION, AND BUILDING SYSTEMS PRIOR TO PROCEEDING WITH THE WORK.
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5. HAZARDOUS MATERIAL NOTE:
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6. THE EXECUTION OF WORK CONSTITUTES ACCEPTANCE OF THE CONDITIONS. LATER CLAIMS WILL NOT CONSTITUTE RELIEF FROM THE REQUIREMENTS OF THE SPECIFICATIONS UNDER THIS SECTION, NOR WILL EXTRA COMPENSATION BE PAID.
7. ALL NEW FOUNDATION AND STAIRS TO BE POURED IN EXISTING LOCATION. COORDINATE WITH STRUCTURAL DRAWINGS.

SCALE (A) 2 0 2 4 6
SCALE OF FEET

SCALE (B) 2 0 2 4
SCALE OF INCHES

OPTION 1: WINDOW SCHEDULE (REPAIR WOOD WINDOWS)

WINDOW #	TYPE	DIMENSIONS	MATERIAL				EXTERIOR									INTERIOR		KEY: 4=REPLACE; R=REPAIR; - =NO WORK
			SILL	FRAME	SASH	GLAZING	UP SASH	LOW SASH	BUTT RAIL	PART BD	EXT STOP	CASING	SILL/ SUBSILL	DRIP CAP	PAINT	PULLIES	TRIM	NOTES: *SEE SPEC 08 01 52 WOOD WINDOW RESTORATION
100	C	5' - 0" x 2' - 8"	WD	WD	WD	E	-	-	-	R	R	R	-	-	P1	-	-	REPAIR AND PAINT
101	A	3' - 6" x 8' - 5"	WD	WD	WD	E	4	R	4	4	R	R	4	-	P1	-	-	REPAIR AND PAINT
102	A	3' - 6" x 8' - 5"	WD	WD	WD	E	R	-	4	4	R	R	4	-	P1	-	-	L STILE 4; RIGHT STILE R., REPAIR AND PAINT
103	A	3' - 6" x 8' - 5"	WD	WD	WD	E	R	R	-	R	R	R&4	4	-	P1	-	-	REPAIR AND PAINT
104	A	3' - 6" x 8' - 5"	WD	WD	WD	E	-	R	-	-	-	R	4	-	P1	-	-	REPAIR AND PAINT
105	A	3' - 6" x 8' - 5"	WD	WD	WD	E	R	R	4	R	-	R&4	4	-	P1	-	-	REPAIR AND PAINT
106	A	3' - 6" x 8' - 5"	WD	WD	WD	E	4	4	-	4	-	R	4	-	P1	-	-	REPAIR AND PAINT
107	A	3' - 6" x 8' - 5"	WD	WD	WD	E	4	4	4	4	4	4	4	-	P1	-	-	REPAIR AND PAINT

NOT FOR CONSTRUCTION

DESIGNED: CADD WZ, LP TECH. REVIEW: KS DATE: 06/28/24	SUB SHEET NO. A902	TITLE OF SHEET: DETAILS AND SCHEDULE FEE MEMORIAL CHURCH CAMP NELSON NATIONAL MONUMENT	DRAWING NO. 532 190070 PMIS/PKG NO. 323333B SHEET 19 OF 31

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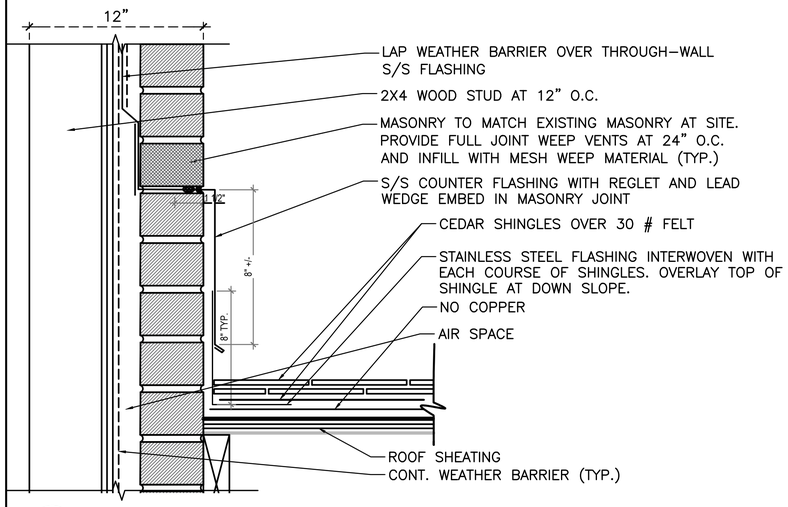
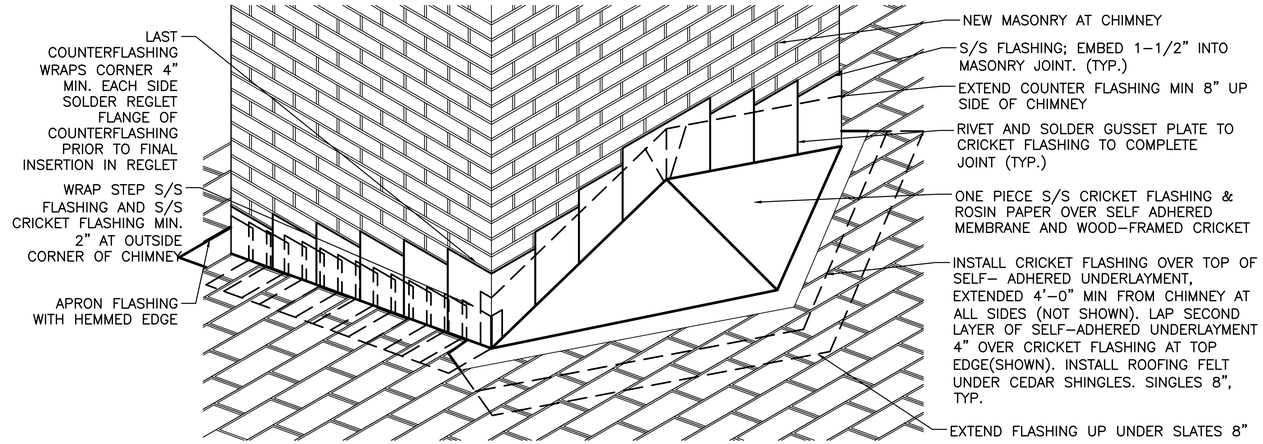


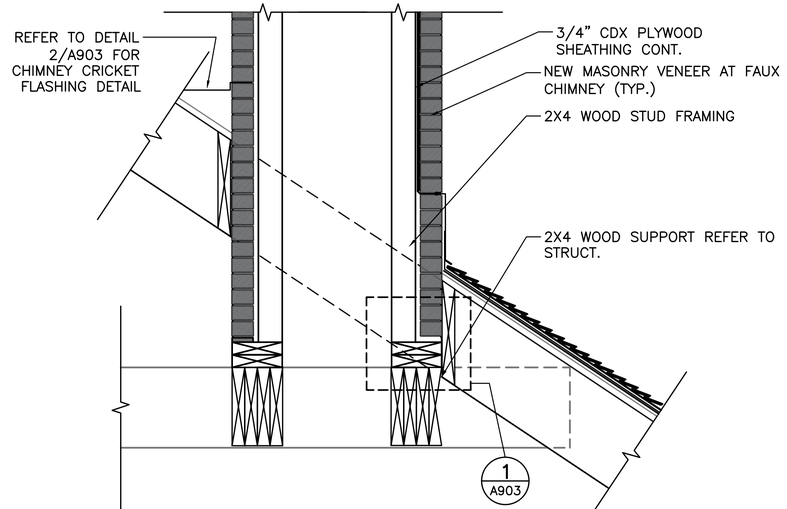
1 A903 STEP FLASHING AT MASONRY CHIMNEY SECTION

SCALE (A)



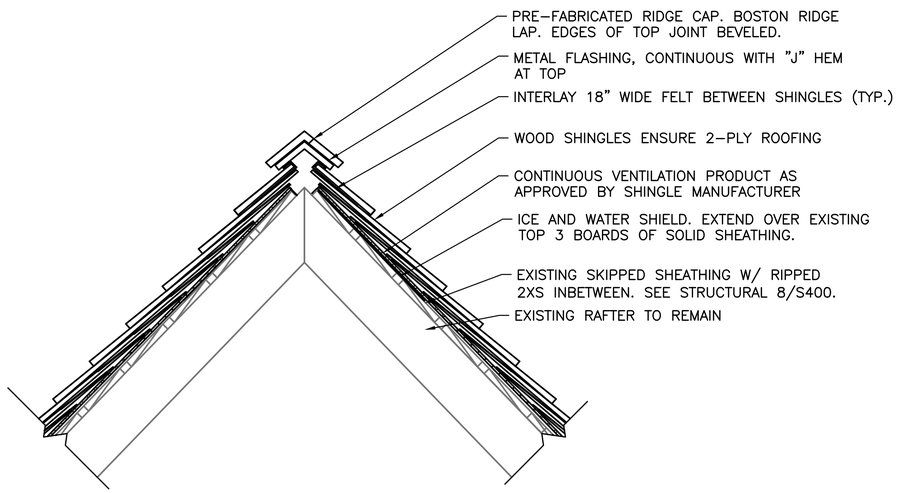
2 A903 CHIMNEY CRICKET FLASHING DETAIL

SCALE (B)



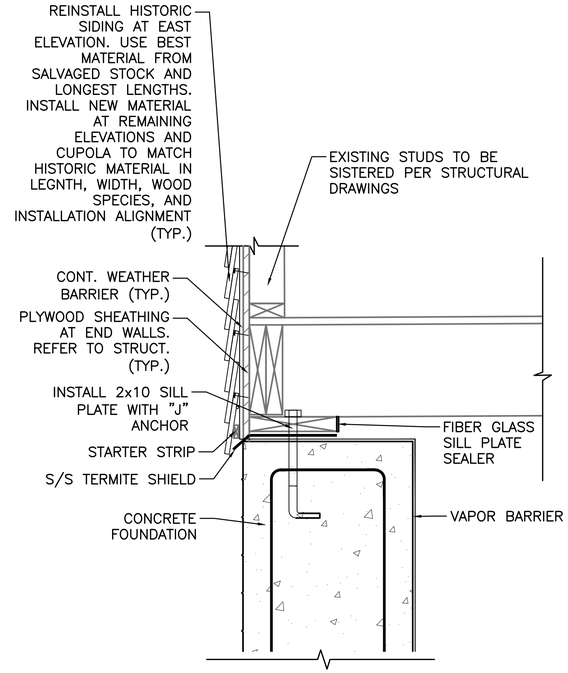
3 A903 CHIMNEY SUPPORT DETAIL

SCALE (B)



4 A903 ROOF RIDGE DETAIL

SCALE (C)



5 A903 FOUNDATION DETAIL
PLYWOOD SHEATHING AT END WALL

SCALE (C)

SCALE (A) 6 3 0 6
SCALE OF INCHES

SCALE (B) 1 0 1 2
SCALE OF FEET

SCALE (C) 12 6 0 12
SCALE OF INCHES

NOT FOR CONSTRUCTION

DESIGNED: CADD WZ, LP TECH. REVIEW: KS DATE: 06/28/24	SUB SHEET NO. A903	TITLE OF SHEET: DETAILS FEE MEMORIAL CHURCH CAMP NELSON NATIONAL MONUMENT	DRAWING NO. 532 190070 PMIS/PKG NO. 323333B SHEET 20 OF 31

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7/12/2024 2:51 PM; AutoCAD 2018; H:\Project Files\022086–00–0000 NPS FEE MEMORIAL CHURCH DESIGN SERVICES\02_CAD\FeeChurch\322222B\DRAWING\ARCH\A903 –DETAILS.dwg

CODES AND MANUALS

KENTUCKY BUILDING CODE, 2018 EDITION
ASCE STANDARD MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES: SEI/ASCE 7-10
BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 318-14
AISC MANUAL OF STEEL CONSTRUCTION 14TH EDITION
NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, 2015 EDITION
AWS D1.1 AND D1.3

GENERAL

1. THE DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS AND MAGNETIC MEDIA (PLANS) PREPARED BY BFW ENGINEERING & TESTING, INC. (ENGINEER) FOR THIS PROJECT ARE INSTRUMENTS OF THE ENGINEER'S SERVICE, AND MAY BE USED SOLELY WITH RESPECT TO THIS PROJECT AND, UNLESS OTHERWISE PROVIDED, THE ENGINEER SHALL BE DEEMED THE AUTHOR OF THESE PLANS AND RETAIN ALL COMMON LAW RIGHTS, TITLES AND INTEREST THEREIN. THE OWNER SHALL BE PERMITTED TO RETAIN COPIES, INCLUDING REPRODUCIBLE COPIES, OF THE ENGINEER'S DRAWINGS, SPECIFICATIONS, OTHER DOCUMENTS AND MAGNETIC MEDIA FOR INFORMATION & REFERENCE IN CONNECTION WITH THE OWNER'S USE AND OCCUPANCY OF THE PROJECT. THE ENGINEER'S DRAWINGS, SPECIFICATIONS, OTHER DOCUMENTS AND MAGNETIC MEDIA SHALL NOT BE USED BY THE OWNER OR OTHERS ON OTHER PROJECTS, FOR ADDITIONS TO THIS PROJECT OR FOR COMPLETION OF THE PROJECT BY OTHERS, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION, WAIVER OF CLAIMS AND INDEMNITY TO THE ENGINEER. BFW ENGINEERING & TESTING, INC. SHALL NOT BE LIABLE FOR ANY HARM OR DAMAGE SUFFERED BY ANY PARTY BY REASON OF THE UNAUTHORIZED USE OF THESE PLANS. BFW ENGINEERING & TESTING, INC. EXPRESSLY RESERVES IT'S COPYRIGHTS IN THESE PLANS. THESE PLANS MAY NOT BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER, INCLUDING SHOP DRAWINGS, NOR MAY THEY BE ASSIGNED OR OTHERWISE MADE AVAILABLE TO ANY THIRD PARTY WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN CONSENT OF BFW ENGINEERING & TESTING, INC.
2. STRUCTURAL DRAWINGS ARE NOT STAND-ALONE DOCUMENTS AND ARE INTENDED TO BE USED IN CONJUNCTION WITH CIVIL, ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND DRAWINGS FROM OTHER DISCIPLINES. THE CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS INTO THE SHOP DRAWINGS AND FIELD WORK.
3. STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE, AND, EXCEPT WHERE SPECIFICALLY SHOWN, DO NOT INDICATE THE METHOD OR MEANS OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, PROCEDURES, TECHNIQUES AND SEQUENCE.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK. THE ENGINEER WILL NOT ADVISE ON NOR ISSUE DIRECTION AS TO SAFETY PRECAUTIONS AND PROGRAMS.
5. COORDINATE DIMENSIONS OF ALL OPENINGS, DEPRESSIONS, BLOCKOUTS, ETC. WITH ARCHITECTURAL DRAWINGS, DRAWINGS FROM OTHER DISCIPLINES, PROJECT SHOP DRAWINGS, AND FIELD CONDITIONS PRIOR TO SHOP DRAWING SUBMITTAL.
6. SEE ARCHITECTURAL PLANS FOR INTERIOR NON-BEARING PARTITION WALLS. PARTITION FRAMING SHALL BE CONNECTED TO THE PRIMARY STRUCTURE TO ALLOW FOR VERTICAL LIVE LOAD DEFLECTIONS OF SPAN/360 FOR FLOOR FRAMING AND SPAN/240 FOR ROOF FRAMING.
7. CONTRACTOR'S CONSTRUCTION AND/OR ERECTION SEQUENCES SHALL RECOGNIZE AND CONSIDER THE EFFECTS OF THERMAL MOVEMENTS OF STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PERIOD.
8. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD.
9. DO NOT SCALE DRAWINGS.
10. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTES, AND SPECIFICATIONS, THE MORE STRINGENT REQUIREMENTS SHALL GOVERN. DETAILS ON DRAWINGS TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. DETAILS NOTED "TYPICAL" APPLY TO ALL SIMILAR CONDITIONS. WHERE NO SPECIFIC DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ELSEWHERE ON THE PROJECT.
11. SHOP DRAWINGS SHALL BE FURNISHED AND REVIEWED BEFORE ANY FABRICATION OR ERECTION IS STARTED. THE CONTRACTOR SHALL REVIEW AND APPROVE SHOP DRAWINGS PRIOR TO SUBMITTAL TO THE ARCHITECT FOR REVIEW. POORLY EXECUTED SHOP DRAWINGS WILL BE REJECTED AND SHALL BE RESUBMITTED.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE AND ADEQUATE SHORING FOR ALL PARTS OF THE STRUCTURE DURING CONSTRUCTION. THE STRUCTURE SHOWN ON THE DRAWINGS HAS BEEN DESIGNED FOR STABILITY UNDER FINAL CONFIGURATION.
13. PERIODIC SITE OBSERVATION BY THE STRUCTURAL ENGINEER IS SOLELY FOR THE PURPOSE OF DETERMINING IF THE WORK OF THE CONTRACTOR IS PROCEEDING IN ACCORDANCE WITH THE STRUCTURAL CONTRACT DOCUMENTS. THIS LIMITED SITE OBSERVATION SHOULD NOT BE CONSTRUED AS EXHAUSTIVE OR CONTINUOUS TO CHECK THE QUALITY OR QUANTITY OF THE WORK, BUT RATHER PERIODIC IN AN EFFORT TO GUARD THE OWNER AGAINST DEFECTS OR DEFICIENCIES IN THE WORK OF THE CONTRACTOR.
14. NOTCHING OR CUTTING ANY STRUCTURAL MEMBER IN THE FIELD IS PROHIBITED.
15. THE CONTRACTOR SHALL VERIFY THE SIZE AND LOCATION OF FOUNDATIONS UNDER MECHANICAL AND ELECTRICAL EQUIPMENT AS REQUIRED. NO CONCRETE PADS SHALL BE LOCATED ON ROOF UNLESS SHOWN ON THE STRUCTURAL DRAWINGS.
16. BACKFILL SHALL NOT BE PLACED BEHIND RETAINING WALLS UNTIL CONCRETE HAS ATTAINED 100 PERCENT OF DESIGN STRENGTH.

WOOD FRAMING

1. DIMENSIONAL LUMBER SHALL BE SOUTHER PINE SPIB NO. 1 OR BETTER FOR 2x8 OR LARGER AND SPIB NO. 2 FOR 2x6 OR SMALLER. ALL MATERIAL SHALL BE SURFACE DRY AND USED AT 19% MAXIMUM MOISTURE CONTENT.
2. ENGINEERED WOOD SECTIONS (LVL'S) SHALL BE IN ACCORDANCE WITH ASTM D5456, 1.9E-2600FB GRADE.
3. ALL FRAMING EXPOSED TO THE WEATHER OR IN CONTACT WITH MASONRY OR CONCRETE SHALL BE PRESSURE-TREATED IN ACCORDANCE WITH THE AMERICAN WOOD PRESERVERS ASSOCIATION SPECIFICATIONS. WHERE POSSIBLE, ALL CUTS AND HOLES SHOULD BE COMPLETED BEFORE TREATMENT, CUTS AND HOLES DUE TO ON-SITE FABRICATION SHALL BE TREATED.
4. THE CONTRACTOR SHALL CAREFULLY SELECT LUMBER TO BE USED IN LOAD-BEARING APPLICATIONS. THE LENGTH OF SPLIT ON THE WIDE FACE OF 2" NOMINAL LOAD-BEARING FRAMING SHALL BE LIMITED TO LESS THAN 1/2 OF THE WIDE FACE DIMENSION. THE LENGTH OF SPLIT ON THE WIDE FACE OF 3" NOMINAL AND THICKER LUMBER SHALL BE LIMITED TO 1/2 OF THE NARROW FACE DIMENSION.
5. PROVIDE DOUBLE JOISTS UNDER ALL PARTITIONS WHICH RUN PARALLEL WITH JOISTS AND UNDER ALL CONCENTRATED LOADS FROM FRAMING ABOVE.
6. REFER TO PLAN AND SCHEDULES FOR HEADER REQUIREMENTS AT OPENINGS.
7. BOLT HOLES SHALL BE CAREFULLY CENTERED AND DRILLED NOT MORE THAN 1/16" LARGER THAN THE BOLT DIAMETER. BOLTED CONNECTIONS SHALL BE SNUG TIGHT BUT NOT TO THE EXTENT OF CRUSHING WOOD UNDER WASHER.
8. PREFABRICATED METAL JOIST HANGERS, HURRICANE CLIPS, HOLD-DOWN ANCHORS AND OTHER ACCESSORIES SHALL BE AS MANUFACTURED BY "SIMPSON STRONG-TIE COMPANY", OR APPROVED EQUAL. INSTALL ACCESSORIES PER THE MANUFACTURER'S REQUIREMENTS.
9. ALL WOOD SHEATHING CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE ENGINEERED WOOD ASSOCIATION (APA) SPECIFICATIONS.
10. INSTALL ALL WOOD SHEATHINGS WITH THE LONG DIMENSION OF THE PANEL ACROSS SUPPORTS AND WITH PANEL CONTINUOUS OVER TWO OR MORE SPANS. STAGGER PANEL END JOINTS. ALLOW 1/8" SPACING AT PANEL ENDS AND EDGES UNLESS OTHERWISE RECOMMENDED BY THE SHEATHING MANUFACTURER.

SLAB-ON-GRADE

1. THE SLAB-ON-GRADE CONSTRUCTION SHALL BE 4" NORMAL WEIGHT CONCRETE ON PLASTIC VAPOR RETARDER ON 4" OF COMPACTED POROUS AGGREGATE FILL. REINFORCE THE SLAB WITH WWF 6x6-W2.9XW2.9 (FLAT SHEETS ONLY). WWF SHALL BE ADEQUATELY SUPPORTED BY AND TIED TO WIRE SLAB BOLSTERS. THE USE OF MASONRY BLOCKS TO SUPPORT THE WWF IS PROHIBITED.
2. ALL WELDED WIRE FABRIC SHALL BE IN ACCORDANCE WITH ASTM A-185. LAP ADJOINING PIECES AT LEAST ONE FULL MESH.
3. SLAB JOINTS SHALL BE FILLED WITH APPROVED MATERIAL. THIS SHOULD TAKE PLACE AS LATE AS POSSIBLE, PREFERABLY 4 TO 6 WEEKS AFTER THE SLAB HAS BEEN CAST. PRIOR TO FILLING, REMOVE ALL DEBRIS FROM THE SLAB JOINTS, THEN FILL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AS FOLLOWS:
   A. 6" SLABS - FILL WITH EPOXY RESIN
   B. OTHER SLABS - FILL WITH FIELD MOLDED OR ELECTROMETRIC SEALANT
4. WALKWAYS AND OTHER EXTERIOR SLABS ARE NOT INDICATED ON THE STRUCTURAL DRAWINGS. SEE THE SITE PLAN AND ARCHITECTURAL DRAWINGS FOR LOCATIONS, DIMENSIONS, ELEVATIONS, JOINTING DETAILS AND FINISH DETAILS.

FOUNDATION

1. ALL FOOTINGS SHALL BEAR ON UNDISTURBED, FIRM NATURAL SOIL OR COMPACTED FILL CAPABLE OF SUPPORTING A DESIGN BEARING PRESSURE AS INDICATED IN THE DESIGN CRITERIA. ALL FOUNDATION EXCAVATIONS SHALL EVALUATED BY THE GEOTECHNICAL ENGINEER / TESTING AGENCY PRIOR TO POURING FOUNDATION CONCRETE.
2. FOR INFORMATION ON SOIL CONDITION AND SPECIAL SOIL CONDITIONS ON EXCAVATION, FILLING, AND BACKFILLING SEE THE GEOTECHNICAL EXPLORATION REPORT. FOR CONDITIONS WHERE ENGINEERED FILL IS REQUIRED, PLACEMENT AND COMPACTION SHALL BE OVERSEEN BY THE TESTING AGENCY.
3. THE INFORMATION INCLUDED IN THE GEOTECHNICAL EXPLORATION REPORT MAY BE USED BY THE CONTRACTOR FOR THEIR GENERAL INFORMATION ONLY. THE ARCHITECT AND STRUCTURAL ENGINEER WILL NOT BE RESPONSIBLE FOR THE ACCURACY OR APPLICABILITY OF SUCH DATA THEREIN.
4. TOP OF FOOTING ELEVATION SHALL BE AS SHOWN ON THE FOUNDATION PLAN. THESE ELEVATIONS ARE A MAXIMUM AND SHALL BE LOWERED AS REQUIRED TO OBTAIN THE REQUIRED DESIGN BEARING PRESSURE.
5. ALL SPREAD FOOTINGS SHALL BE CENTERED BENEATH THE PIERS. ALL CONTINUOUS WALL FOOTINGS SHALL BE CENTERED BENEATH THE WALLS, UNLESS NOTED OTHERWISE.
6. ALL COLUMN PIERS SHALL BE CENTERED BENEATH COLUMNS AND POURED MONOLITHICALLY WITH THE FOUNDATION WALLS, UNLESS NOTED OTHERWISE.
7. NO UNBALANCED BACKFILLING SHALL BE DONE AGAINST FOUNDATION WALLS UNLESS WALLS ARE SECURELY BRACED AGAINST OVERTURNING, EITHER BY TEMPORARY BRACING OR BY PERMANENT CONSTRUCTION.
8. PRIOR TO COMMENCING ANY FOUNDATION WORK, COORDINATE WORK WITH ANY EXISTING UTILITIES. FOUNDATIONS SHALL BE LOWERED WHERE REQUIRED TO AVOID UTILITIES.
9. ALL RETAINING WALLS SHALL HAVE AT LEAST 12" OF FREE DRAINING GRANULAR BACKFILL, FULL HEIGHT OF WALL. PROVIDE CONTROL JOINTS IN RETAINING WALLS AT APPROXIMATELY EQUAL INTERVALS NOT TO EXCEED 25 FEET NOR 3 TIMES THE WALL HEIGHT. PROVIDE EXPANSION JOINTS AT EVERY FOURTH CONTROL JOINT.
10. PLACE FOOTINGS IN THE SAME DAY EXCAVATIONS ARE OPENED. IF THIS IS NOT POSSIBLE, ADEQUATELY PROTECT THE EXPOSED MATERIAL IN THE BASES OF THE FOOTING EXCAVATIONS FROM ANY DETRIMENTAL CHANGE IN CONDITION SUCH AS DISTURBANCE FROM RAIN OR FREEZING. PREVENT SURFACE RUNOFF FROM ENTERING EXCAVATIONS.
11. MECHANICAL OPENINGS THROUGH CONCRETE WALLS & SLABS LARGER THAN 8 INCHES IN DIAMETER, NOT SHOWN ON THE STRUCTURAL DRAWINGS, MUST BE APPROVED BY THE ENGINEER. OPENINGS 8 INCHES IN DIAMETER OR LESS SHALL HAVE AT LEAST 1 FOOT CLEAR BETWEEN OPENINGS UNLESS APPROVED BY THE ENGINEER. COORDINATE THE INSTALLATION OF SLEEVES WITH THE CONSTRUCTION OF FORMWORK & INSTALLATION OF REINFORCING STEEL.
12. ALL OPENINGS THROUGH CONCRETE FOOTINGS, CONCRETE FOUNDATION WALLS, AND CMU FOUNDATION WALLS NOT SHOWN ON PLAN MUST BE COORDINATED AND APPROVED BY S.E.O.R. COORDINATE THE INSTALLATION OF SLEEVES WITH THE CONSTRUCTION FORMWORK AND INSTALLATION OF REINFORCING STEEL.
13. ALL VERTICAL REINFORCEMENT DOWELS IN WALLS AND PIERS SHALL BE TIED TO THE BOTTOM REINFORCEMENT MAT OF THE FOOTINGS. "FLOATING" THE DOWELS INTO PLACE DURING CONCRETE PLACEMENT WILL NOT BE PERMITTED.

REINFORCING STEEL

1. ALL REINFORCING STEEL SHALL BE FABRICATED AND PLACED IN ACCORDANCE WITH THE BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318), AND DETAILS AND DETAILING OF CONCRETE REINFORCEMENT (ACI 315).
2. ALL REINFORCEMENT ANCHORAGES AND LAP SPLICES SHALL MEET THE REQUIREMENTS OF ACI 318-14.
3. FIELD BENDING OF REINFORCEMENT IS PROHIBITED.
4. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60; EXCEPT STIRRUPS, TIES AND INDICATED FIELD-BENT BARS, WHICH SHALL CONFORM TO ASTM A615 GRADE 40.
5. TENSION AND COMPRESSION LAPS IN REINFORCING SHALL BE IN ACCORDANCE WITH ACI 318, CHAPTER 12. THE MINIMUM LAP SHALL BE 30 BAR DIAMETERS (18" MINIMUM), UNLESS NOTED OTHERWISE ON THE DRAWINGS.
6. ALL HORIZONTAL REINFORCING IN FOOTINGS, WALLS AND BEAMS SHALL BE CONTINUOUS AROUND CORNERS OR HAVE BENT (CORNER) BARS OF THE SAME SIZE AND SPACING AS THE HORIZONTAL BARS AND LAP 30 BAR DIAMETERS (24" MINIMUM).
7. CONCRETE COVER FOR REINFORCING SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:
   A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"
   B. CONCRETE CAST AGAINST FORMS BUT EXPOSED TO EARTH OR WEATHER:
      a. BARS LARGER THAN NO. 5: 2"
      b. BARS NO. 5 OR SMALLER: 1 1/2"
   C. SLAB ON GRADE: 1 1/2" FROM TOP OF SLAB
   D. STRUCTURAL SLABS ON METAL DECK: 1" FROM TOP OF SLAB
8. FORM TIES SHALL BE EITHER OF THE THREADED OR SNAP-OFF TYPE SO THAT NO METAL WILL BE LEFT WITHIN 1 INCH OF THE SURFACE OF THE WALL. FOLLOWING REMOVAL OF FORM TIES, RECESSES ARE TO BE CAREFULLY FILLED AND POINTED WITH MORTAR.
9. REINFORCING SHALL NOT BE TACK WELDED OR WELDED IN ANY MANNER UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL PLANS.
10. BAR SUPPORTS AND SPACERS FOR REINFORCING SHALL BE PROVIDED IN ACCORDANCE WITH ACI 315. REINFORCING SHALL BE SECURELY TIED TO SUPPORTS. DO NOT INSERT REINFORCEMENT INTO CONCRETE DURING CONCRETE PLACEMENT.
11. DECK CHAIRS SHALL BE PROVIDED FOR ALL WELDED WIRE FABRIC.
12. PROVIDE FOOTING DOWELS FOR VERTICAL WALL REINFORCEMENT. DOWELS SHALL BE THE SAME SIZE & SPACING AS THE VERTICAL WALL REINFORCEMENT, UNLESS NOTED OTHERWISE, WITH LAP SPLICES AS INDICATED ON THE APPLICABLE SECTIONS. THIS WILL INCLUDE REINFORCEMENT ON EITHER SIDE OF DOORS & WINDOWS, PILASTERS UNDER LINTELS, ADDITIONAL REINFORCEMENT AT CORNERS &INTERSECTIONS OF REINFORCED WALLS, & ANY OTHER VERTICAL CMU WALL REINFORCEMENT INDICATED ON THE PLANS. INSTALL DOWELS IN THE FOOTING FORMS BEFORE CONCRETE IS PLACED, SUPPORTED & TIED SECURELY IN PLACE. INSTALLATION OF DOWELS AFTER THE CONCRETE IS PLACED WILL NOT BE PERMITTED.
13. FOUNDATION WALL REINFORCEMENT SHALL BE CONTINUOUS THROUGH COLUMN PIERS. WALL FOOTING REINFORCEMENT SHALL BE CONTINUOUS THROUGH SPREAD FOOTINGS. PROVIDE CORNER BARS FOR ALL FOUNDATION WALLS AND WALL FOOTINGS.

EXISTING CONSTRUCTION

1. BEFORE PROCEEDING WITH ANY WORK WITHIN THE EXISTING FACILITY, THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH EXISTING STRUCTURAL AND OTHER CONDITIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY BRACING, SHORING AND OTHER SAFEGUARDS TO MAINTAIN ALL PARTS OF THE EXISTING WORK IN A SAFE CONDITION DURING THE PROCESS OF DEMOLITION AND CONSTRUCTION AND TO PROTECT FROM DAMAGE THOSE PORTIONS OF THE EXISTING WORK WHICH ARE TO REMAIN.
2. THE CONTRACTOR SHALL FIELD VERIFY THE DIMENSIONS, ELEVATIONS, ETC. NECESSARY FOR THE PROPER CONSTRUCTION AND ALIGNMENT OF THE NEW PORTIONS OF THE WORK TO THE EXISTING WORK. THE CONTRACTOR SHALL MAKE ALL MEASUREMENTS NECESSARY FOR FABRICATION AND ERECTION OF STRUCTURAL MEMBERS ANY DISCREPANCY SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
3. WELDING TO AND WITHIN AN EXISTING FACILITY PRESENTS POTENTIAL HAZARDS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY MEANS TO MITIGATE THESE HAZARDS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND ERECTION OF ALL SHORING NECESSARY TO SAFEGUARD THE EXISTING STRUCTURE. THE CONTRACTOR SHALL SUBMIT A DETAILED PLAN FOR SHORING, BRACING AND PROTECTION OF THE EXISTING CONSTRUCTION. THE PLAN SHALL INCLUDE A CONSTRUCTION SEQUENCE, BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE THE PROJECT IS LOCATED IN, AND BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO BEGINNING THE WORK.

SCALE (A)

0 2 4 8
SCALE OF FEET

DESIGN CRITERIA

1. RISK CATEGORY: II
2. DEAD LOADS: MATERIALS ASSUMED IN THE DESIGN ARE SHOWN ON THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. ANY CHANGES IN CONSTRUCTION MATERIALS FROM THOSE SHOWN ON THE ARCHITECTURAL OR STRUCTURAL DRAWINGS SHALL BE REPORTED BY THE GENERAL CONTRACTOR TO THE STRUCTURAL ENGINEER FOR VERIFICATION OF LOAD CARRYING CAPACITY OF THE STRUCTURE.
3. LIVE LOADS:
   A. FIRST FLOOR = 100 PSF; 2,000 LBS
   B. ROOFS = 20 PSF
4. SNOW LOADS:
   A. GROUND SNOW LOAD PG = 15 PSF
   B. IMPORTANCE FACTOR IS = 1.0
   C. EXPOSURE FACTOR CE = 1.1
   D. THERMAL FACTOR CT = 1.2
   E. FLAT ROOF SNOW LOAD PF = 20 PSF (INCLUDES 5 PSF RAIN-ON-SNOW SURCHARGE)
   F. PITCHED ROOF SNOW LOAD PP = 20 PSF
5. WIND LOADS:
   A. ULTIMATE WIND SPEED VULT = 115 MPH
   B. NOMINAL WIND SPEED VASD = 89.1 MPH
   C. EXPOSURE CATEGORY = C
   D. INTERNAL PRESSURE COEFFICIENT = +-0.18
   E. COMPONENTS AND CLADDING PRESSURES:
      a. ROOF ZONE 1: 10 SQ.FT. = 27.2 PSF; -29.7 PSF
      b. ROOF ZONE 1: 20 SQ.FT. = 26.4 PSF; -28.2 PSF
      c. ROOF ZONE 1: 50 SQ.FT. = 25.4 PSF; -26.2 PSF
      d. ROOF ZONE 1: 100 SQ. Ft. = 24.7 PSF; -24.7 PSF
      e. ROOF ZONE 2: 10 SQ. Ft. = 27.2 PSF; -34.7 PSF
      f. ROOF ZONE 2: 20 SQ. Ft. = 26.4 PSF; -33.2 PSF
      g. ROOF ZONE 2: 50 SQ. Ft. = 25.4 PSF; -31.2 PSF
      h. ROOF ZONE 2: 100 SQ. Ft. = 24.7 PSF; -29.7 PSF
      i. ROOF ZONE 3: 10 SQ. Ft. = 27.2 PSF; -34.7 PSF
      j. ROOF ZONE 3: 20 SQ. Ft. = 26.4 PSF; -33.2 PSF
      k. ROOF ZONE 3: 50 SQ. Ft. = 25.4 PSF; -31.2 PSF
      l. ROOF ZONE 3: 100 SQ. Ft. = 24.7 PSF; -29.7 PSF

      WALLS ZONE 4: 10 SQ.FT. = 29.7 PSF; -32.2 PSF
      WALLS ZONE 4: 50 SQ.FT. = 26.6 PSF; -29.1 PSF
      WALLS ZONE 4: 100 SQ. FT. = 25.3 PSF; -27.8 PSF
      WALLS ZONE 4: 500 SQ. Ft. = 22.2 PSF; -24.7 PSF
      WALLS ZONE 5: 10 SQ. Ft. = 29.7 PSF; -39.8 PSF
      WALLS ZONE 5: 50 SQ. Ft. = 26.6 PSF; -33.6 PSF
      WALLS ZONE 5: 100 SQ. Ft. = 25.3 PSF; -30.9 PSF
      WALLS ZONE 5: 500 SQ. Ft. = 22.2 PSF; -24.7 PSF
6. SEISMIC LOADS:
   A. SITE CLASS = D
   B. IMPORTANCE FACTOR IE = 1.0
   C. SPECTRAL RESPONSE ACCEL. FOR SHORT PERIODS SS = 0.183
   D. SPECTRAL RESPONSE ACCEL. FOR 1 SEC. PERIODS S1 = 0.094
   E. DESIGN SPECTRAL RESPONSE ACCEL. FOR SHORT PERIODS SDS = 0.146
   F. DESIGN SPECTRAL RESPONSE ACCEL. FOR 1 SEC. PERIODS SD1 = 0.107
   G. SEISMIC DESIGN CATEGORY = B
   H. SEISMIC FORCE RESISTING SYSTEM = LIGHT FRAME WOOD WALLS WITH STRUCTURAL WOOD SHEAR PANELS
   I. RESPONSE MODIFICATION FACTOR R = 6.5
   J. SEISMIC RESPONSE COEFFICIENT CS = 0.023
   K. ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE
   L. DESIGN BASE SHEAR TBD
7. GEOTECHNICAL:
   A. NET ALLOWABLE SOIL BEARING PRESSURE
      = 40,000 PSF FOR FOOTINGS BEARING ON BEDROCK

CAST-IN-PLACE CONCRETE

1. ALL CONCRETE SHALL CONFORM TO THE SPECIFICATIONS FOR STRUCTURAL CONCRETE, ACI 301.
2. ALL EXPOSED EDGES OF CONCRETE SHALL HAVE A 3/4" CHAMFER UNLESS NOTED OTHERWISE.
3. NORMAL WEIGHT CONCRETE:
   A. F'C = 4500 PSI @ 28 DAYS - ALL EXPOSED EXTERIOR CONCRETE FLAT WORK (I.E., SLABS, EQUIPMENT PADS, ETC.).
   B. F'C = 4000 PSI @ 28 DAYS - ALL INTERIOR CONCRETE (I.E. FOOTINGS, PEDESTALS, RETAINING WALLS, ETC.).
   C. F'C = 4000 PSI @ 28 DAYS - ALL INTERIOR SLABS ON GRADE.
   D. F'C = 4000 PSI @ 28 DAYS - ALL CONCRETE FILL OVER METAL DECK.
4. USE AIR-ENTRAINING ADMIXTURE IN ALL CONCRETE, EXCEPT AIR ENTRAINMENT SHALL BE OMITTED FROM CONCRETE SLABS TO RECEIVE A STEEL TROWEL FINISH.
5. THE CONTRACTOR SHALL NOT CAST STEM WALLS OR RETAINING WALLS AGAINST EXCAVATED VERTICAL SIDE SURFACES.
6. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 301, "SPECIFICATION FOR STRUCTURAL CONCRETE BUILDINGS". HOT WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 305. COLD WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 306.
7. UNLESS OTHERWISE NOTED, ALL ONE WAY SLABS SHALL BE REINFORCED AS FOLLOWS:
   A. BOTTOM REINFORCING #4 @ 16" O.C. (BETWEEN SUPPORTS)
   B. TOP REINFORCING #4 @ 12" O.C. (CENTERED ON SUPPORTS)
   C. TEMP. REINFORCING #4 @ 18" O.C. (TRANSVERSE BOTTOM)
8. IN ORDER TO AVOID CONCRETE SHRINKAGE CRACKING, PLACE CONCRETE SLABS IN AN ALTERNATING LANE PATTERN. THE MAXIMUM LENGTH OF SLAB CAST IN ANY ONE CONTINUOUS POUR SHALL BE LIMITED TO 80 FEET.
9. FORMWORK SHALL REMAIN IN PLACE UNTIL CONCRETE HAS OBTAINED AT LEAST 90% OF ITS 28 DAY COMPRESSIVE STRENGTH. THE CONTRACTOR SHALL PROVIDE ALL SHORING AND RESHORING.
10. CONCRETE MATERIALS:
    A. PORTLAND CEMENT: ASTM C150, TYPE I or TYPE III
    B. AGGREGATES: ASTM C33
    C. AIR ENTRAINING ADMIXTURE: ASTM C260
    D. WATER: ASTM C94
11. CONCRETE MIXTURES:
    A. MAXIMUM W/C RATIO: 0.50
    B. SLUMP LIMIT: 4 INCHES (8 INCHES FOR CONCRETE WITH VERIFIED SLUMP OF 2 TO 4 INCHES BEFORE ADDING HIGH-RANGE WATER-REDUCING ADMIXTURE (ASTM C494) OR PLASTICIZING ADMIXTURE (ASTM C494), PLUS OR MINUS 1 INCH.
    C. AIR CONTENT: 6.0%, PLUS OR MINUS 1.5% AT POINT OF DELIVERY FOR 1-INCH NOMINAL MAXIMUM AGGREGATE SIZE.
    D. AIR CONTENT: DO NOT ALLOW AIR CONTENT OF TROWEL-FINISHED FLOORS TO EXCEED 3 PERCENT.
12. PROTECT FRESHLY PLACED CONCRETE FROM PREMATURE DRYING AND EXCESSIVE COLD OR HOT TEMPERATURES, FOR A MINIMUM OF 7 DAYS.
13. REFER TO STRUCTURAL SCHEDULE FOR CONCRETE SPLICE LENGTHS.
14. NEW PERIMTER GRADE BEAM FOUNDATIONS WALLS WILL REQUIRE FORMLINERS TO ATTEMPT TO REPLICATE EXISTING FOUNDATION WALL WOOD FORMS. REFER TO ARCH'L FOR MORE INFORMATION.

POST INSTALLED ANCHORS

1. ALL ADHESIVE (EPOXY) FOR POST INSTALLED ANCHORS AND/OR REBAR INTO CONCRETE SHALL BE HILTI HIT-HY 200 ADHESIVE ANCHORING SYSTEM, SIMPSON SET-XP EPOXY-TIE ANCHORING SYSTEM, ITW RED HEAD EPCON G6+ ADHESIVE ANCHORING SYSTEM, OR APPROVED EQUAL. INSTALLATION SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.
2. ALL ADHESIVE (EPOXY) FOR POST INSTALLED ANCHORS AND/OR REBAR INTO GROUT FILLED MASONRY SHALL BE HILTI HIT-HY 270 MASONRY ADHESIVE ANCHORING SYSTEM, SIMPSON SET-XP EPOXY-TIE ANCHORING SYSTEM, ITW RED HEAD EPCON G6+ ADHESIVE ANCHORING SYSTEM, OR APPROVED EQUAL. INSTALLATION SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.
3. ALL ADHESIVE (EPOXY) FOR POST INSTALLED ANCHORS AND/OR REBAR INTO HOLLOW MASONRY AND/OR BRICK SHALL BE HILTI HIT-HY 270 ADHESIVE ANCHORING SYSTEM, SIMPSON SET-XP EPOXY-TIE ANCHORING SYSTEM, OR APPROVED EQUAL. INSTALLATION SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.
4. ALL POST INSTALLED MECHANICAL ANCHORS INTO CONCRETE SHALL BE HILTI KWIK HUS EZ SCREW ANCHOR, SIMPSON TITEN HD SCREW ANCHOR, ITW RED HEAD TAPCON LDT ANCHOR, OR APPROVED EQUAL. INSTALLATION SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.
5. ALL POST INSTALLED MECHANICAL ANCHORS INTO GROUT FILLED MASONRY SHALL BE HILTI KWIK HUS EZ SCREW ANCHOR, SIMPSON TITEN HD SCREW ANCHOR, ITW RED HEAD TAPCON LDT ANCHOR, OR APPROVED EQUAL. INSTALLATION SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.
6. ANCHOR LENGTHS SHOWN FOR ATTACHMENT TO CONCRETE AND/OR MASONRY ARE REQUIRED EMBEDMENT LENGTHS. THE CONTRACTOR SHALL PROVIDE ANCHORS WITH ADDITIONAL LENGTH TO FACILITATE THE REQUIRED CONNECTION.
7. SUBMIT ALL PROPOSED ANCHORING SYSTEMS INCLUDING ICC-ES REPORTS TO STRUCTURAL ENGINEER FOR REVIEW PRIOR TO INSTALLATION.

SPECIAL INSPECTIONS - STRUCTURAL

PER CHAPTER 17 OF THE 2018 KENTUCKY BUILDING CODE

SECTION	ITEM	REQUIRED		REMARKS
		YES	NO	
1704.2.5.1	FABRICATORS	X		Not req'd. if the Fabricator is approved in accordance with Section 1704.2.5.1.
1704.6	STRUCTURAL OBSERVATIONS	X		See Sections 1704.6.1 and 1704.6.2 for seismic and wind requirements.
1705.2	STEEL CONSTRUCTION		X	Not req'd.
1705.3	CONCRETE CONSTRUCTION	X		See Section 1705.3 for req'd verifications and inspections.
1705.4	MASONRY CONSTRUCTION		X	Not req'd.
1705.5	WOOD CONSTRUCTION	X		See Section 1705.5 for req'd verifications and inspections.
1705.6	SOILS	X		See Table 1705.6 for required verifications and inspections.
1705.7	DRIVEN DEEP FOUNDATIONS		X	Not used.
1705.8	CAST-IN-PLACE DEEP FOUNDATIONS	X		See Table 1705.8 for required verifications and inspections.
1705.9	HELICAL PILE FOUNDATIONS		X	Not used.
1705.11	INSPECTIONS FOR WIND RESISTANCE	X		See Section 1705.11 for required verifications and inspections.
1705.12	INSPECTIONS FOR SEISMIC RESISTANCE	X		See Section 1705.12 for required verifications and inspections.
1705.13	TESTING & QUALIFICATION FOR SEISMIC RESISTANCE	X		See Table 1705.13 for required verifications and inspections.

STRUCTURAL SHEET LIST

SHEET NO.	SHEET TITLE	DRAWN BY	CHECKED BY
S001	STRUCTURAL NOTES SHEET	HWP	PMH
SD101	DEMO AND TEMPORARY SHORING PLANS	HWP	PMH
S100	FOUNDATION PLAN	HWP	PMH
S200	FIRST FLOOR FRAMING PLAN	HWP	PMH
S300	ROOF FRAMING PLAN	HWP	PMH
S400	STRUCTURAL DETAILS	HWP	PMH
S401	STRUCTURAL DETAILS	HWP	PMH
S402	STRUCTURAL DETAILS	HWP	PMH
S500	TRUSS REINFORCEMENT DETAILS	HWP	PMH
S501	TRUSS REINFORCEMENT DETAILS	HWP	PMH
S600	STRUCTURAL SCHEDULES	HWP	PMH

OF SHTS: 11

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ENGINEERING & TESTING, INC.
907 ARROW RD., SUITE 2 CHAMPAIGN, IL 61821 P: 217.530.4283
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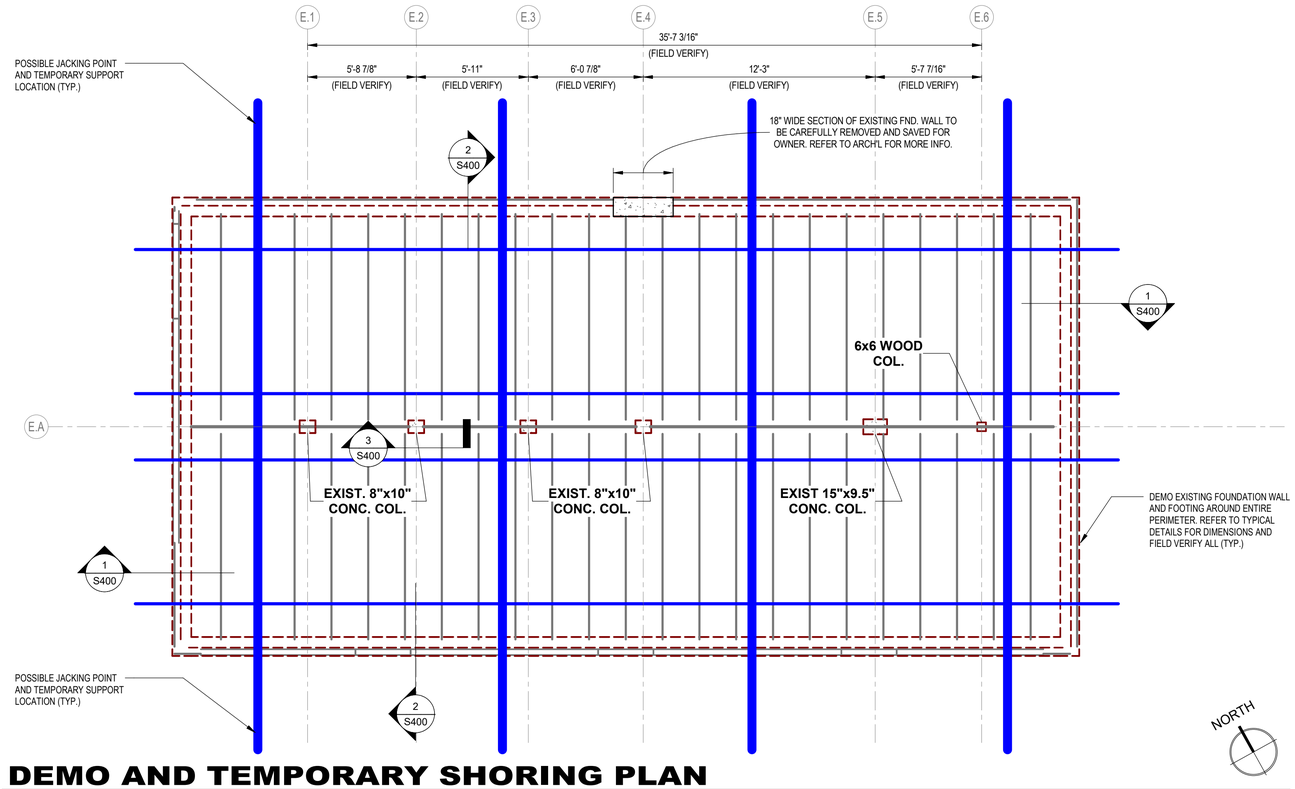
Nashville, TN | Evansville, IN

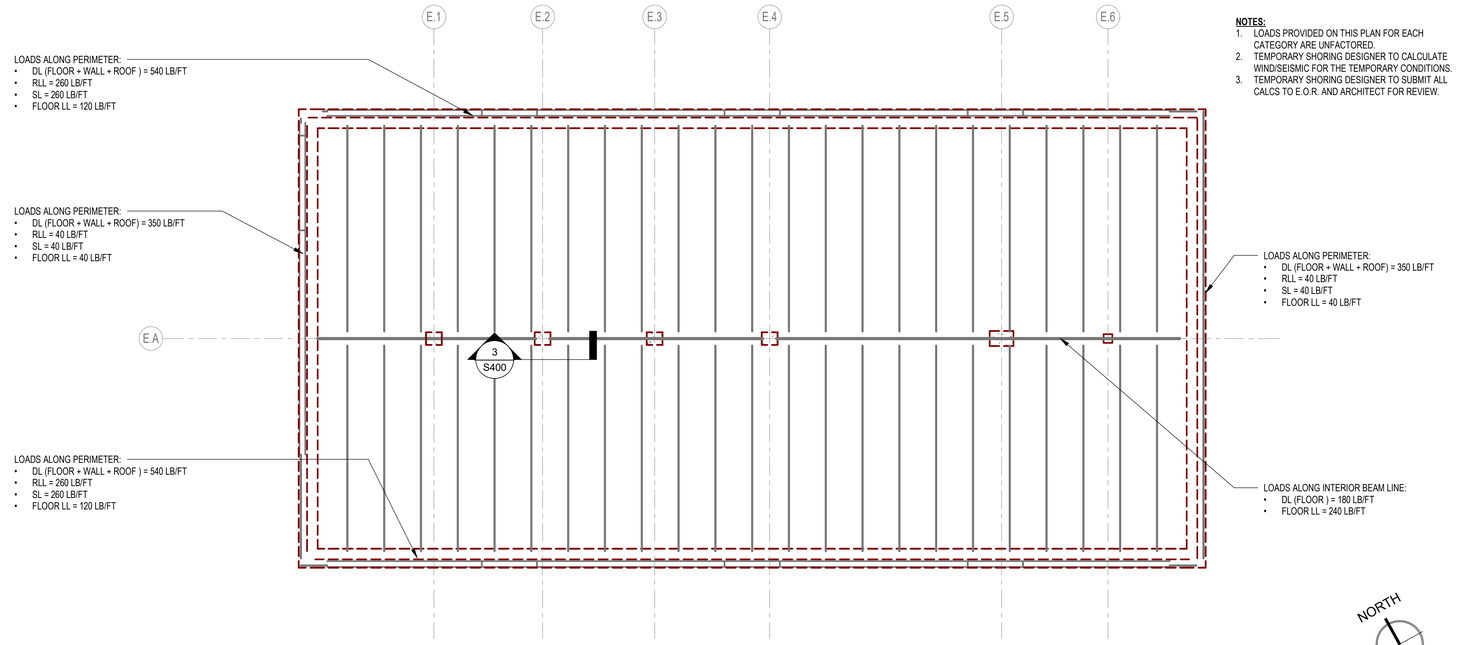
NOT FOR CONSTRUCTION

DESIGNED:	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO.
CADD HWP	S001	STRUCTURAL NOTES SHEET	532 190070
TECH. REVIEW: PMH		FEE MEMORIAL CHURCH	PMIS/PKG NO. 322222B
DATE: 06/28/24		CAMP NELSON NATIONAL MONUMENT	SHEET 21 OF 31



DEMO AND TEMPORARY SHORING PLAN

1/4" = 1'-0"



NOTES:

1. LOADS PROVIDED ON THIS PLAN FOR EACH CATEGORY ARE UNFACTORED.
2. TEMPORARY SHORING DESIGNER TO CALCULATE WIND/SEISMIC FOR THE TEMPORARY CONDITIONS.
3. TEMPORARY SHORING DESIGNER TO SUBMIT ALL CALCS TO E.O.R. AND ARCHITECT FOR REVIEW.

TEMPORARY SHORING LOADING PLAN

1/4" = 1'-0"

PLAN NOTES - TEMPORARY SHORING AND DEMO

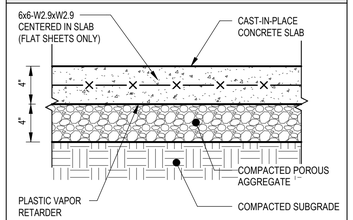
1. *Temporary shoring and jacking of the wood framed superstructure shall be a delegated design, designed by a professional engineer licensed in the Commonwealth of Kentucky. Shoring plan shop drawings and calculations shall be submitted for review to E.O.R. and architect.*
2. *Contractor can cut notch in top of existing foundation wall in order to install and extend steel beam temporary shoring through to lift the superstructure. Coordinate proposed notches with E.O.R. and architect for review and approval.*
3. *A schematic example of possible temporary shoring support lines are shown on plan in blue. Another layout is acceptable and can be submitted with shop drawings.*
4. *Once wood superstructure is adequately supported, it will likely need to be jacked up and raised in height to allow space for demo and new construction below the building. Some excavation of soils around the existing building will likely also be required.*
5. *Please note the existing grade slopes multiple feet across the structure, so efforts will vary on different sides of the structure.*
6. *There may be an advantage to reinforcing the existing first floor wood framing before shoring and jacking the building. Refer to first floor framing plan for floor reinforcements.*
7. *Refer to loading plan on this sheet for minimum loads required to be used to design temporary shoring support and associated notes.*
8. *Once superstructure is adequately shored, demo existing interior concrete, stone, and wood columns and any footings present.*

SCALE A 0 2 4 8
SCALE OF FEET

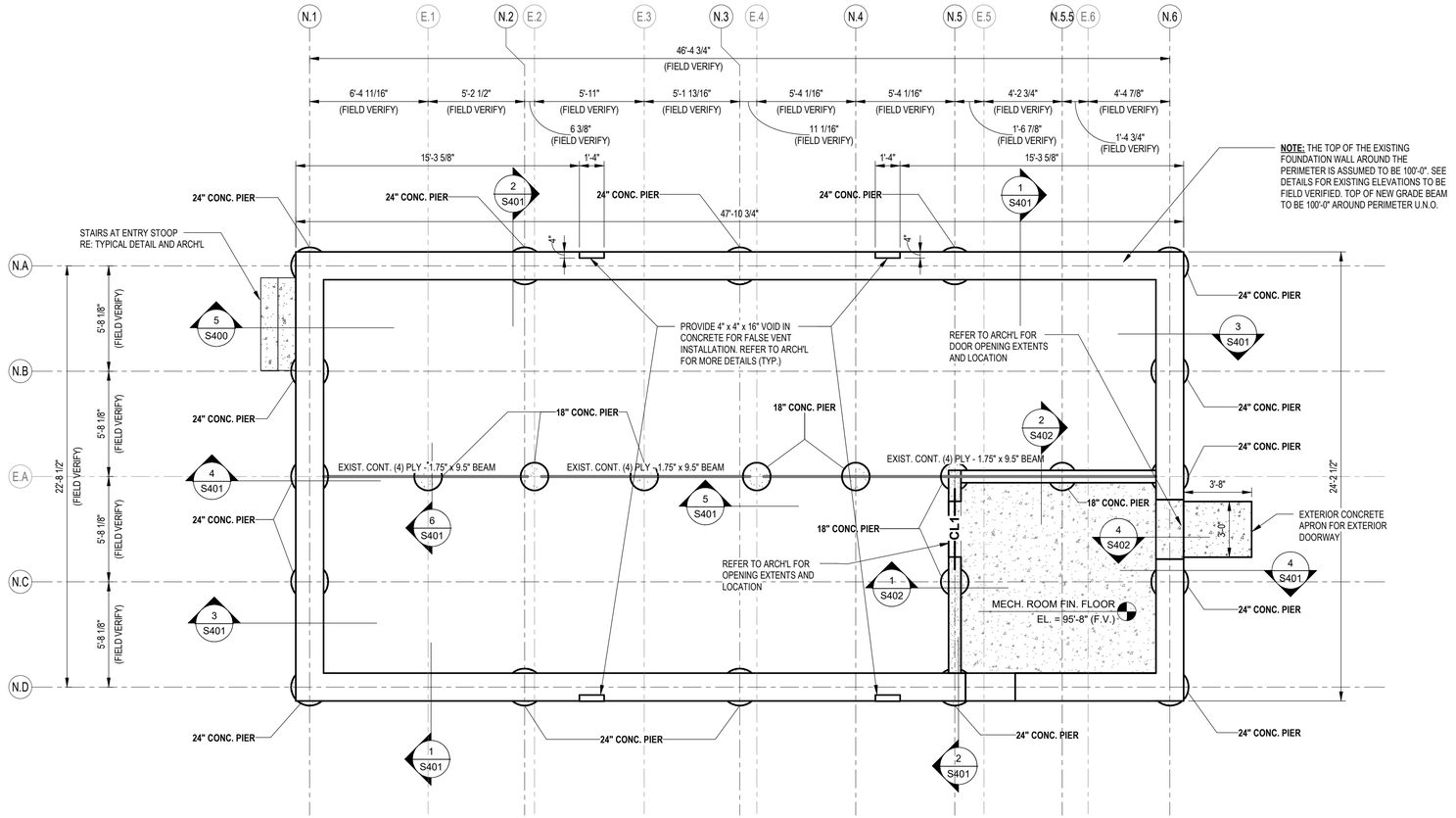
NOT FOR CONSTRUCTION

DESIGNED:	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO.
CAPE HWP	SD101	DEMO AND TEMPORARY SHORING PLANS	532 190070
TECH. REVIEW: PMH		CAMP NELSON NATIONAL MONUMENT	PMIS/PKG NO. 322222B
DATE: 06/28/24			SHEET 22 OF 31

MECH. ROOM SLAB-ON-GRADE CONSTRUCTION LEGEND



NOTE: WWF SHALL BE ADEQUATELY SUPPORTED BY AND TIED TO WIRE SLAB BOLSTERS PRIOR TO POURING CONCRETE. THE USE OF MASONRY BLOCKS TO SUPPORT THE WWF IS PROHIBITED.



FOUNDATION PLAN

1/4" = 1'-0"

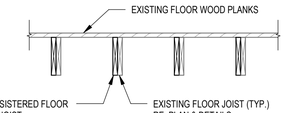
SCALE (A) 0 2 4 8
SCALE OF FEET

NOT FOR CONSTRUCTION

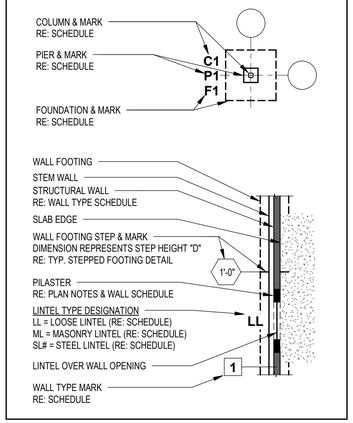
DESIGNED:	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO.
CADD HWP	S100	FOUNDATION PLAN	532 190070
TECH. REVIEW: PMH			PMIS/PKG NO. 322222B
DATE: 06/28/24		FEE MEMORIAL CHURCH CAMP NELSON NATIONAL MONUMENT	SHEET 23 OF 31

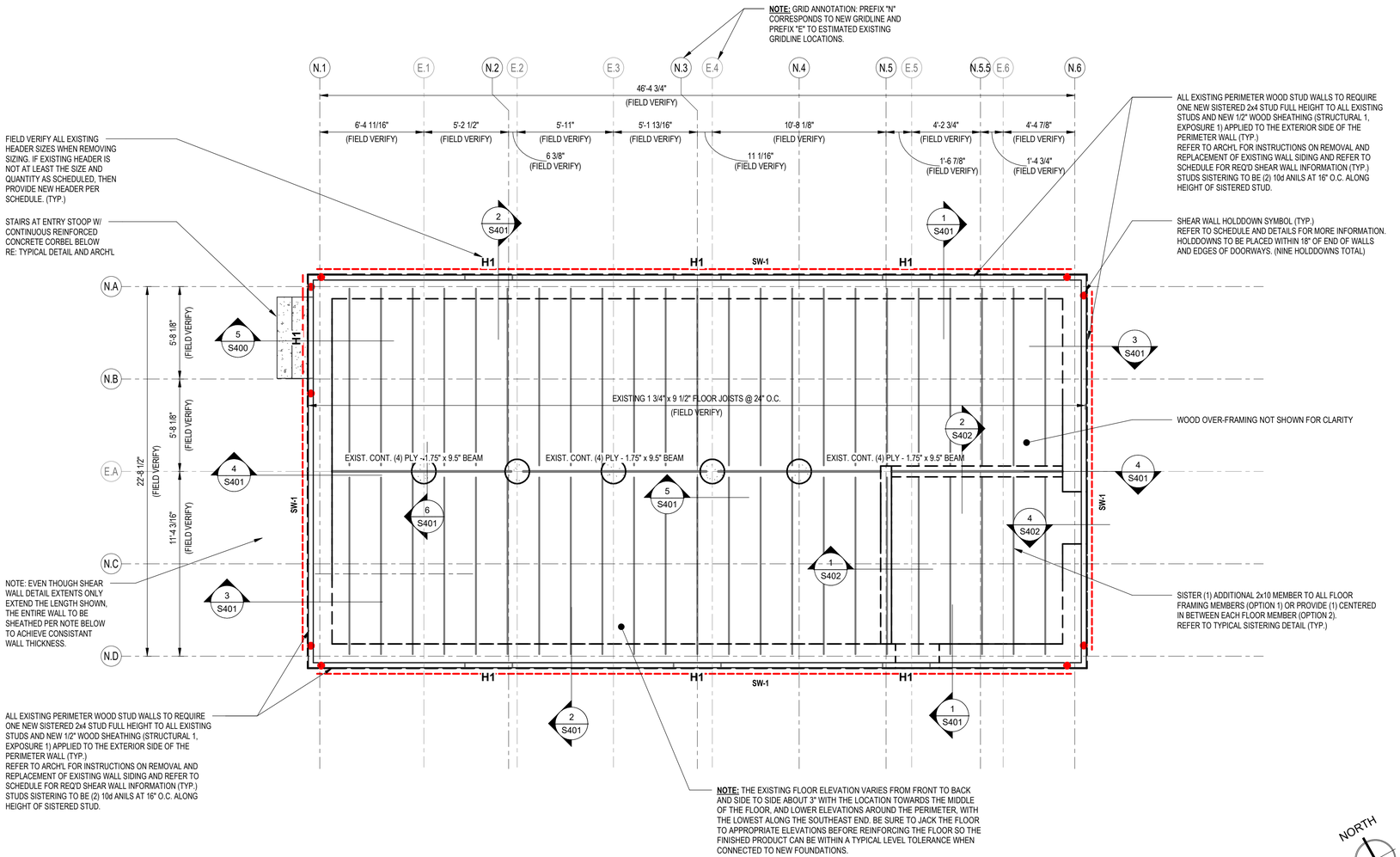
FLOOR SISTERING CONSTRUCTION

NOTE: JACK AND LEVEL EXISTING FLOOR MEMBERS BEFORE SISTERED JOISTS ARE PROVIDED. FASTEN NEW JOIST TO EXISTING WITH (3) ROWS OF 10d NAILS SPACED AT 16" O.C.



GENERAL PLAN LEGEND





FIRST FLOOR FRAMING PLAN

1/4" = 1'-0"

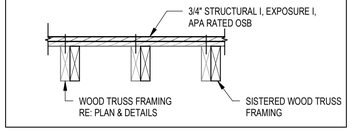
SCALE (A) 0 2 4 8 SCALE OF FEET

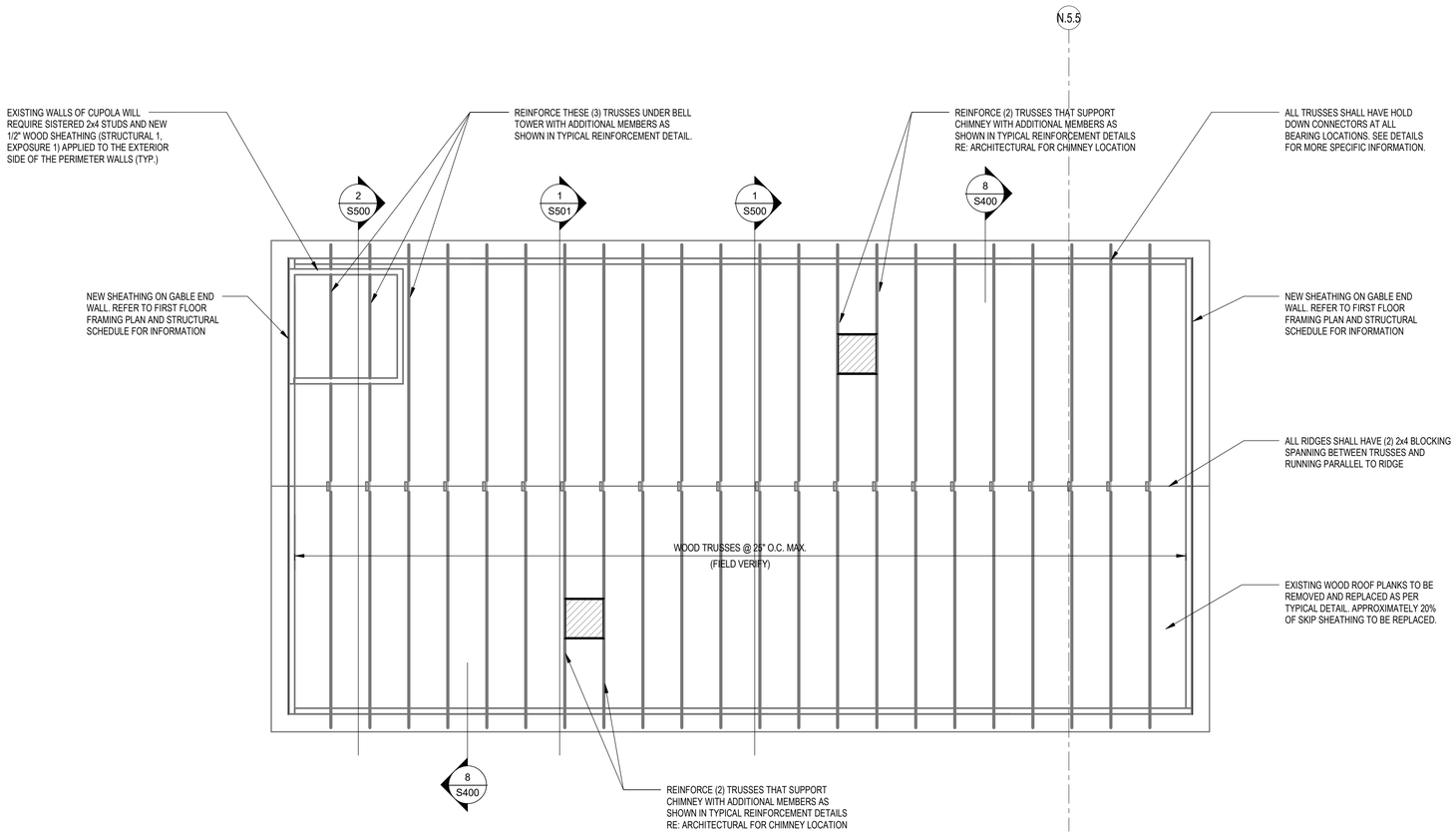
NOT FOR CONSTRUCTION

DESIGNED:	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO.
CAPE HWP	S200	FIRST FLOOR FRAMING PLAN	532 190070
TECH. REVIEW: PMH		FEE MEMORIAL CHURCH	PMIS/PKG NO. 322222B
DATE: 06/28/24		CAMP NELSON NATIONAL MONUMENT	SHEET 24 OF 31

ROOF DECK CONSTRUCTION LEGEND ON WOOD FRAMING OR TRUSSES

ROOF SHEATHING PANELS SHALL BE INSTALLED IN A CASE 1 STAGGERED LAYOUT PER IBC, AND INDIVIDUAL PANEL EDGES FASTENED TO FRAMING AND BLOCKING WITH (1) ROWS OF 10d NAILS AT 6" O.C. AND THE FIELD OF THE INDIVIDUAL PANELS FASTENED TO FRAMING WITH 10d NAILS AT 12" O.C. SHEATHING SHALL BE INSTALLED OVER EXISTING AND NEW SKIP SHEATHING PER DETAIL 8/S400.





NORTH

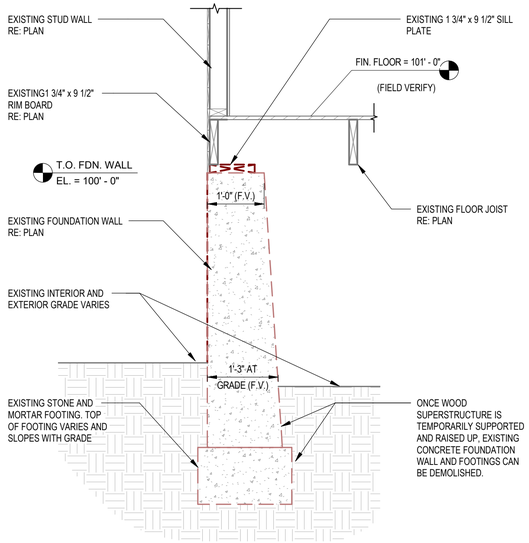
ROOF FRAMING PLAN

1/4" = 1'-0"

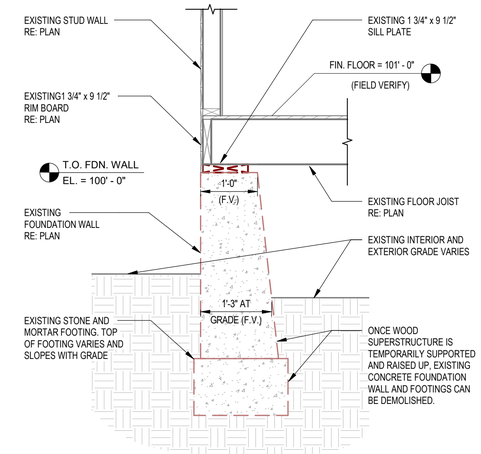
SCALE (A) 0 2 4 8
SCALE OF FEET

NOT FOR CONSTRUCTION

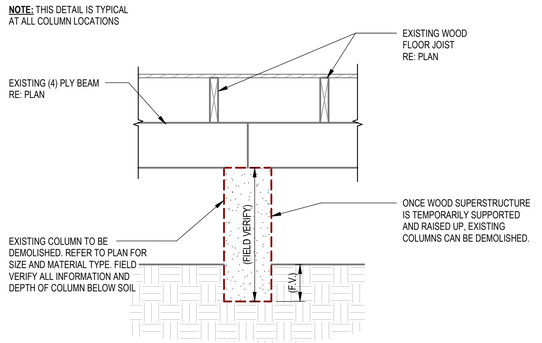
DESIGNED:	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO.
CADD HWP	S300	ROOF FRAMING PLAN	532 190070
TECH. REVIEW: PMH			PMIS/PKG NO. 322222B
DATE: 06/28/24		FEE MEMORIAL CHURCH CAMP NELSON NATIONAL MONUMENT	SHEET 25 OF 31



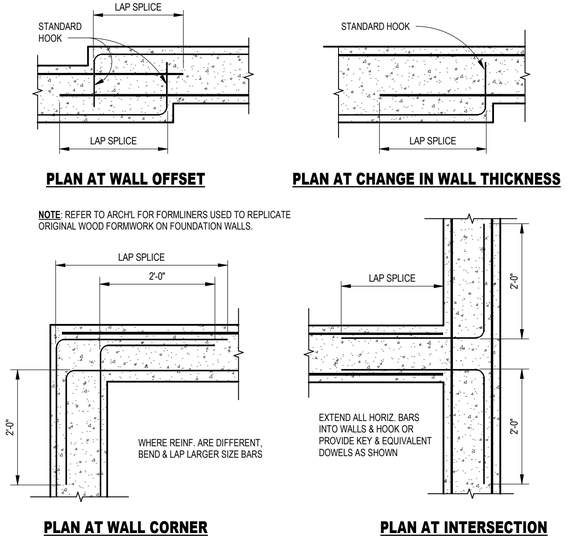
1 TYPICAL DETAIL
FOUNDATION AND FOOTING DEMO WITH PARALLEL JOISTS



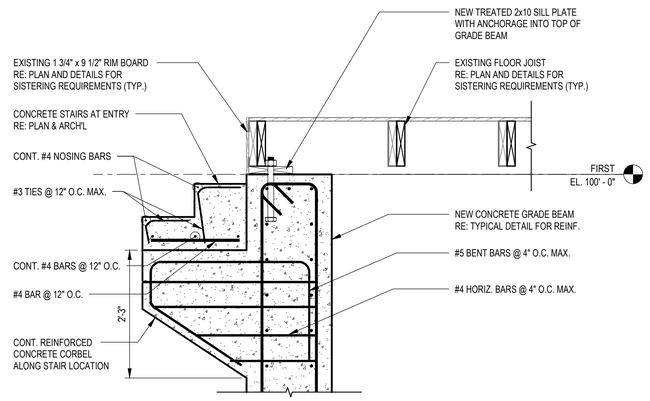
2 TYPICAL DETAIL
FOUNDATION AND FOOTING DEMO WITH PERPENDICULAR JOISTS



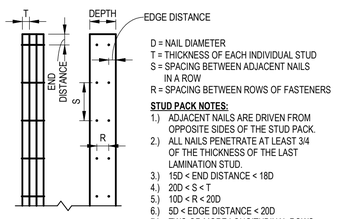
3 TYPICAL DETAIL
INTERIOR COLUMN DEMO



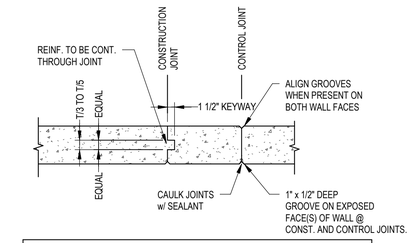
4 TYPICAL DETAIL
HORIZONTAL REINFORCEMENT AT TRANSTION IN CONC. WALLS



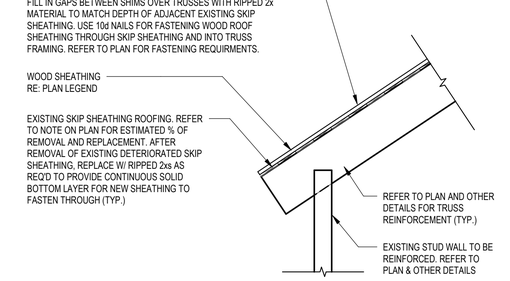
5 TYPICAL DETAIL
FOUNDATION DETAIL AT FRONY ENTRY STOOP



6 TYPICAL DETAIL
STUD PACK FASTENING REQUIREMENTS 061000



7 TYPICAL DETAIL
CAST-IN-PLACE CONCRETE WALL JOINT CONSTRUCTION

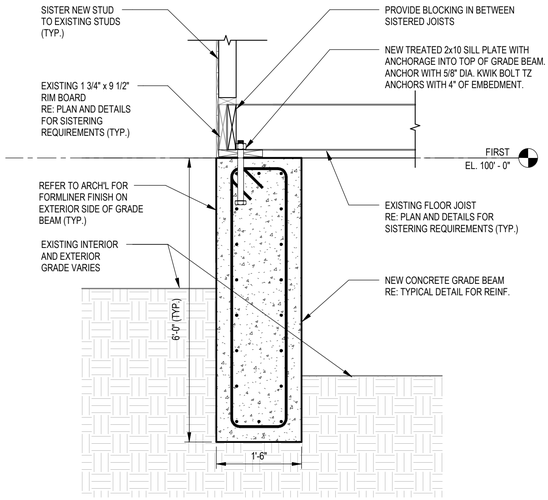


8 TYPICAL DETAIL
SKIP SHEATHING REPLACEMENT DETAIL

SCALE (A) 0 2 4 8
SCALE OF FEET

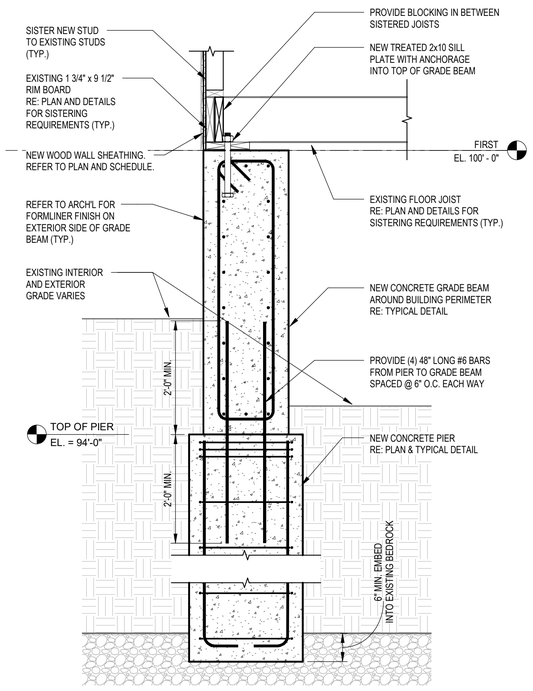
NOT FOR CONSTRUCTION

DESIGNED: CADD HWP TECH. REVIEW: PMH DATE: 06/28/24	SUB SHEET NO. S400	TITLE OF SHEET STRUCTURAL DETAILS FEE MEMORIAL CHURCH CAMP NELSON NATIONAL MONUMENT	DRAWING NO. 532 190070 PMIS/PKG NO. 322222B SHEET 26 OF 31



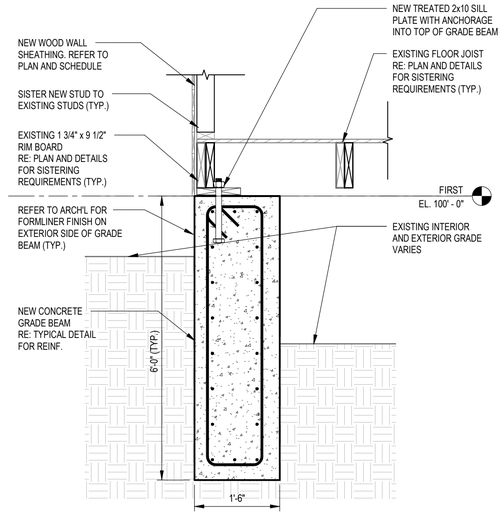
1 TYPICAL DETAIL

NEW PERIMETER CONCRETE GRADE BEAM WITH PERPENDICULAR JOISTS



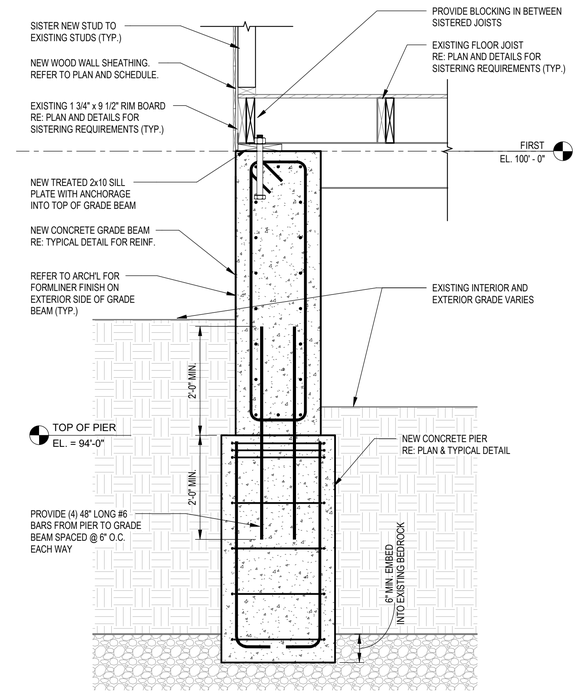
2 TYPICAL DETAIL

NEW CONCRETE GRADE BEAM BEARING ON NEW CONCRETE PIER WITH PERPENDICULAR JOISTS



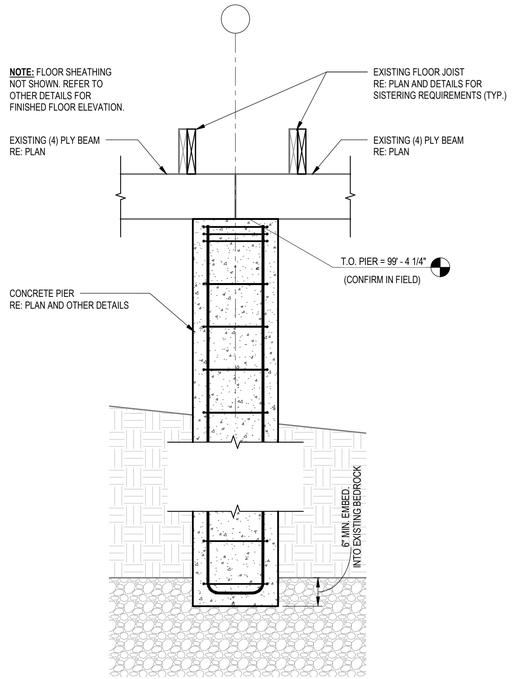
3 TYPICAL DETAIL

NEW PERIMETER CONCRETE GRADE BEAM WITH PARALLEL JOISTS



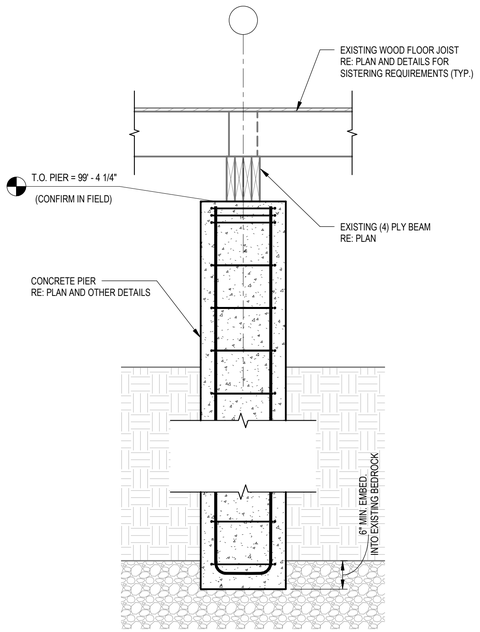
4 TYPICAL DETAIL

NEW CONCRETE GRADE BEAM BEARING ON NEW CONCRETE PIER WITH PARALLEL JOISTS



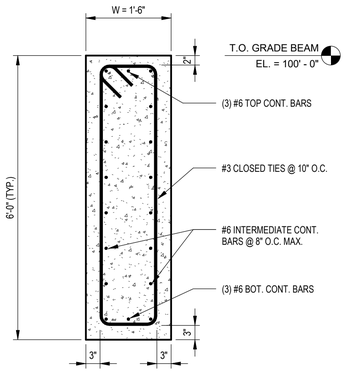
5 TYPICAL DETAIL

EXISTING BEAM BEARING ON NEW PIER



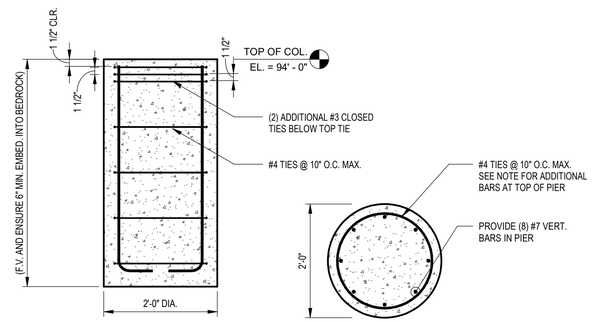
6 TYPICAL DETAIL

JOIST BEARING ON EXISTING (4) PLY BEAM AT NEW PIER



7 TYPICAL DETAIL

PERIMETER GRADE BEAM REINFORCEMENT



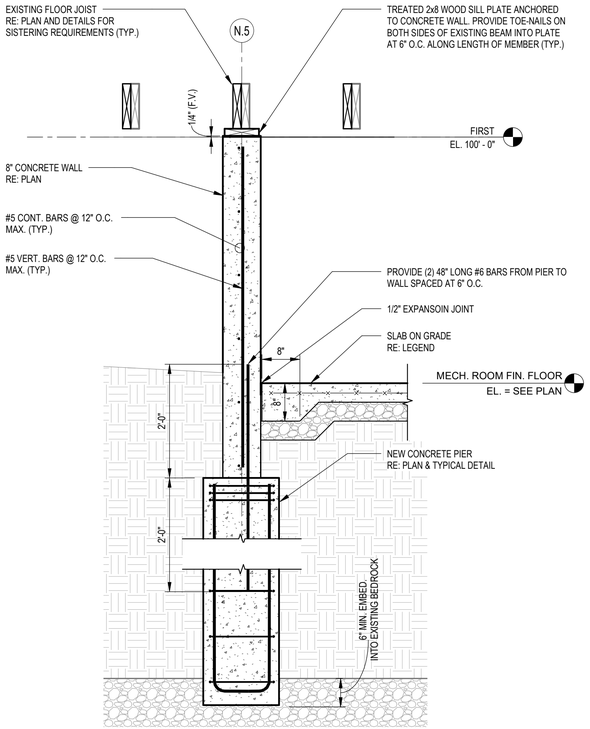
8 TYPICAL DETAIL

PERIMETER 24" CONCRETE PIER REINFORCEMENT

SCALE (A) 0 2 4 8
SCALE OF FEET

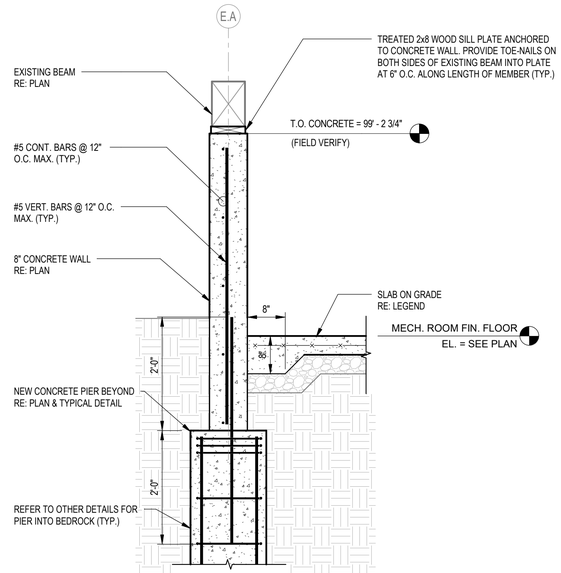
NOT FOR CONSTRUCTION

DESIGNED: CADD HWP TECH. REVIEW: PMH DATE: 06/28/24	SUB SHEET NO. S401	TITLE OF SHEET STRUCTURAL DETAILS FEE MEMORIAL CHURCH CAMP NELSON NATIONAL MONUMENT	DRAWING NO. 532 190070 PMIS/PKG NO. 322222B SHEET 27 OF 31



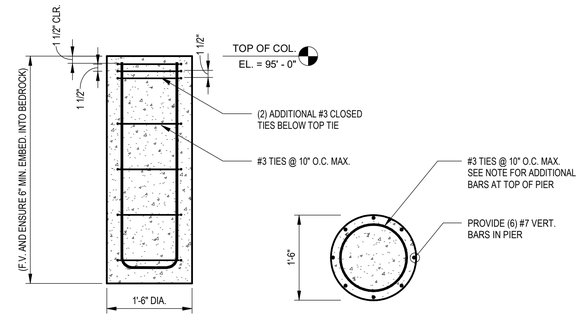
1 TYPICAL DETAIL

MECH ROOM WAL DETAIL WITH PERPENDICULAR FLOOR JOISTS



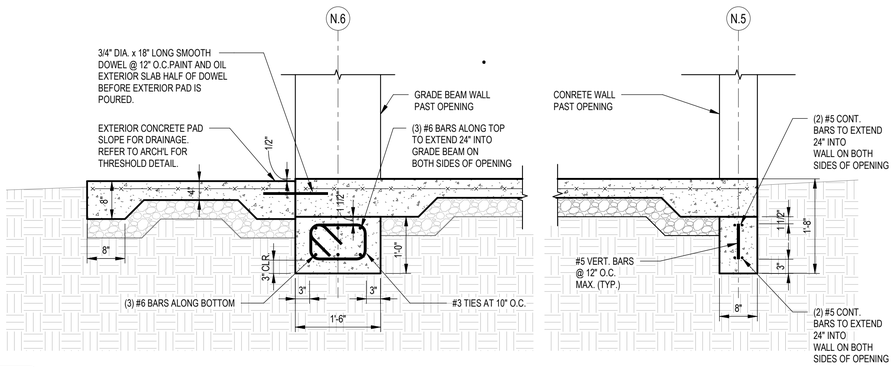
2 TYPICAL DETAIL

MECH ROOM WALL DETAIL UNDER EXISTING (4) PLY WOOD BEAM



3 TYPICAL DETAIL

18" CONCRETE PIER REINFORCEMENT



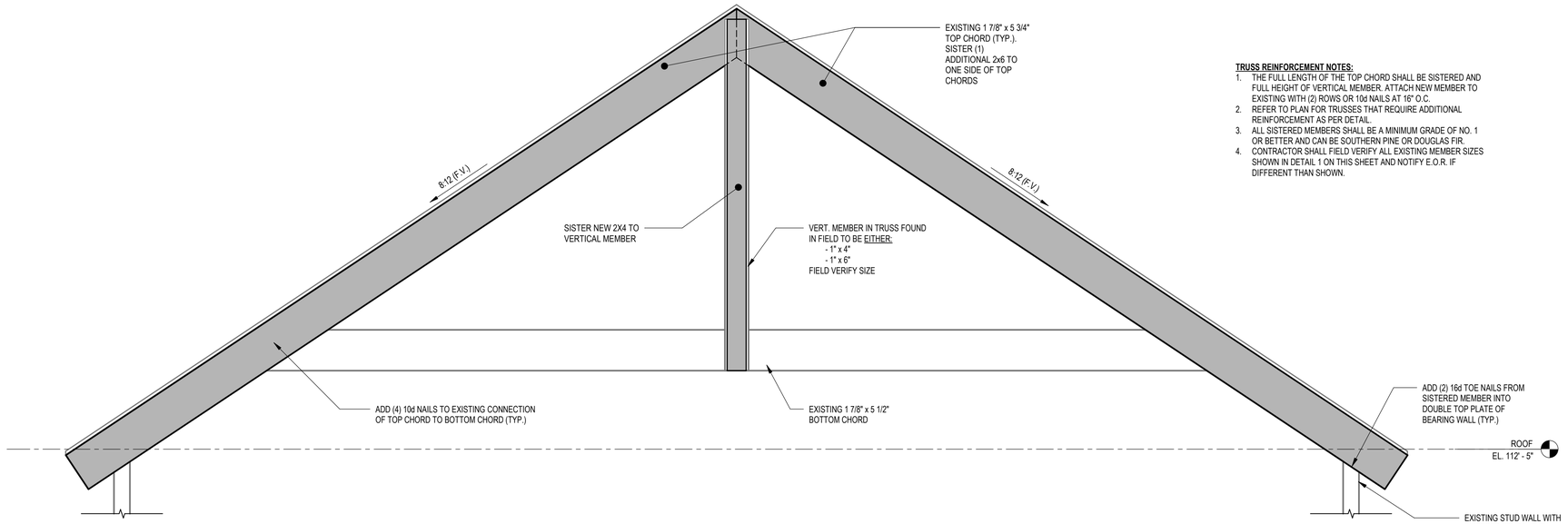
4 TYPICAL DETAIL

MECHANICAL ROOM ACCESS AND CRAWL SPACE ACCESS DETAIL AT FOUNDATION

SCALE (A) 0 2 4 8
SCALE OF FEET

NOT FOR CONSTRUCTION

DESIGNED: CADD HWP TECH. REVIEW: PMH DATE: 06/28/24	SUB SHEET NO. S402	TITLE OF SHEET STRUCTURAL DETAILS FEE MEMORIAL CHURCH CAMP NELSON NATIONAL MONUMENT	DRAWING NO. 532 190070 PMIS/PKG NO. 322222B SHEET 28 OF 31

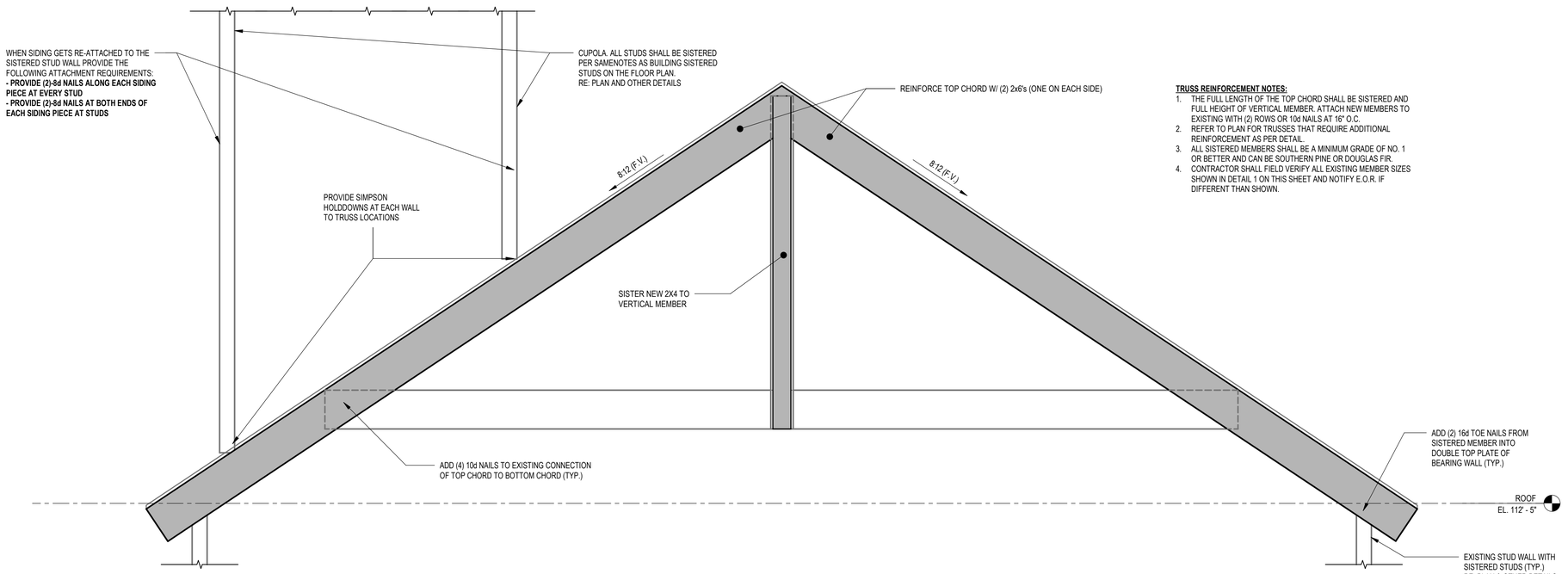


TRUSS REINFORCEMENT NOTES:

1. THE FULL LENGTH OF THE TOP CHORD SHALL BE SISTERED AND FULL HEIGHT OF VERTICAL MEMBER. ATTACH NEW MEMBER TO EXISTING WITH (2) ROWS OR 10d NAILS AT 16" O.C.
2. REFER TO PLAN FOR TRUSSES THAT REQUIRE ADDITIONAL REINFORCEMENT AS PER DETAIL.
3. ALL SISTERED MEMBERS SHALL BE A MINIMUM GRADE OF NO. 1 OR BETTER AND CAN BE SOUTHERN PINE OR DOUGLAS FIR.
4. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING MEMBER SIZES SHOWN IN DETAIL 1 ON THIS SHEET AND NOTIFY E.O.R. IF DIFFERENT THAN SHOWN.

1 TYPICAL DETAIL

EXISTING TRUSS TYPICAL SISTERED DETAIL



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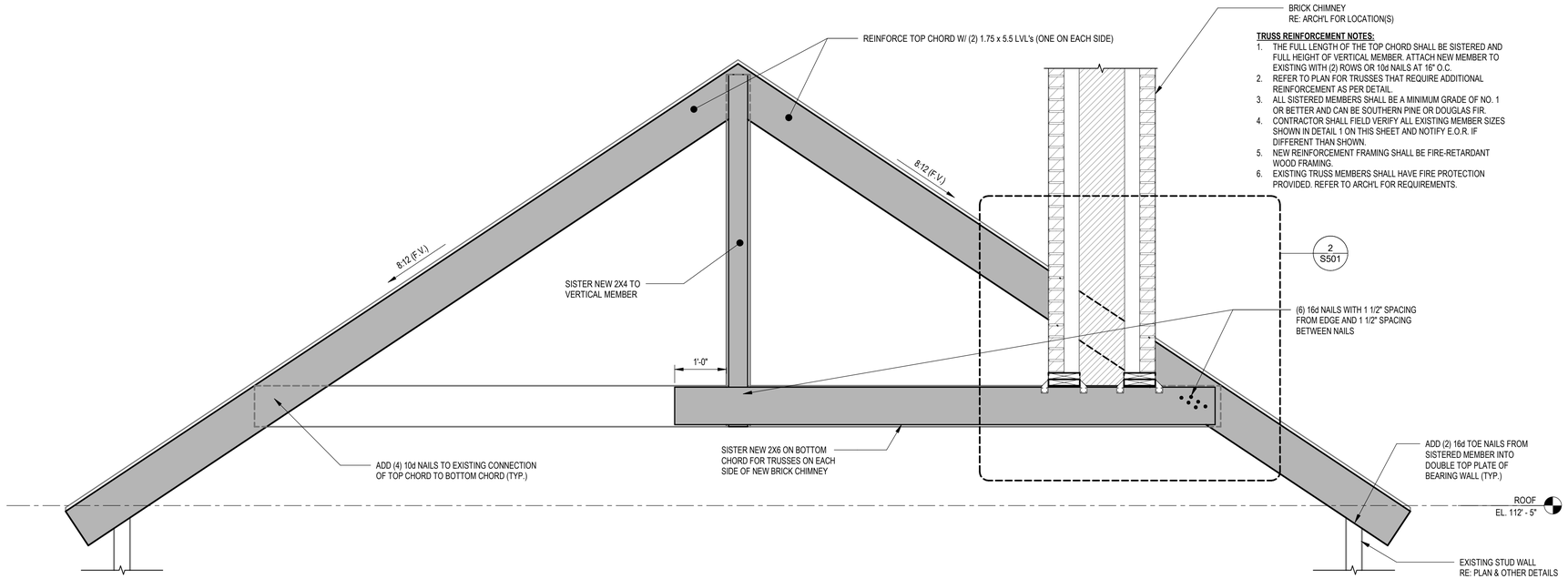
2 TYPICAL DETAIL

EXISTING TRUSSES AT CUPOLA REINFORCEMENT DETAIL

SCALE (A) 0 2 4 8
SCALE OF FEET

NOT FOR CONSTRUCTION

DESIGNED:	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO.
CAEP HWP	S500	TRUSS REINFORCEMENT DETAILS	532 190070
TECH. REVIEW: PMH		FEE MEMORIAL CHURCH	PMIS/PKG NO. 322222B
DATE: 06/28/24		CAMP NELSON NATIONAL MONUMENT	SHEET 29 OF 31



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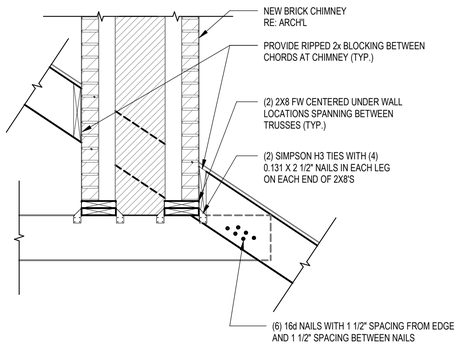
5. NEW REINFORCEMENT FRAMING SHALL BE FIRE-RETARDANT WOOD FRAMING.
6. EXISTING TRUSS MEMBERS SHALL HAVE FIRE PROTECTION PROVIDED. REFER TO ARCH'L FOR REQUIREMENTS.

1 TYPICAL DETAIL

EXISTING TRUSSES AT CHIMNEY REINFORCEMENT DETAIL



2 TYPICAL DETAIL

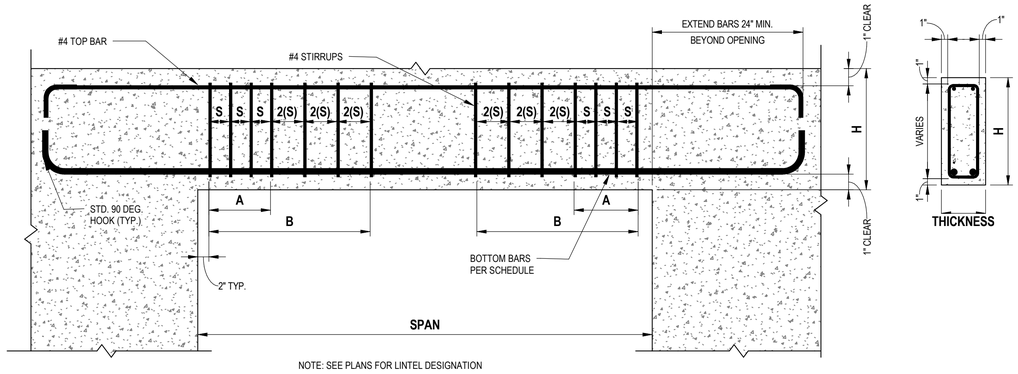
CHIMNEY SUPPORT DETAIL

SCALE (A) 0 2 4 8
SCALE OF FEET

NOT FOR CONSTRUCTION

DESIGNED: CADD HWP TECH. REVIEW: PMH DATE: 06/28/24	SUB SHEET NO. S501	TITLE OF SHEET: TRUSS REINFORCEMENT DETAILS — FEE MEMORIAL CHURCH, CAMP NELSON NATIONAL MONUMENT	DRAWING NO. 532 190070 PMIS/PKG NO. 322222B SHEET 30 OF 31

CONCRETE LINTEL (CL) SCHEDULE



NOTE: SEE PLANS FOR LINTEL DESIGNATION

CONCRETE LINTEL DESIGNATION	BOTTOM BAR(s)	STIRRUP SPACING (S)	LINTEL DEPTH (H)	THICKNESS	A	B
CL1	(2)-#4	#3 @ 10" o.c.	1'-0"	8"	1/4 SPAN	1/2 SPAN

HEADER REINFORCEMENT SCHEDULE

TYPE 1

MARK	TYPE	HEADER SIZE	NO. OF JACK STUDS FOR LINTEL BRG. REQ'D AT EACH END	NO. OF FULL HEIGHT KING STUDS NEXT TO JACK STUDS REQ'D AT EACH END
H1	1	(2)-2X8s	(1) - 2x4	(3)-2X4s

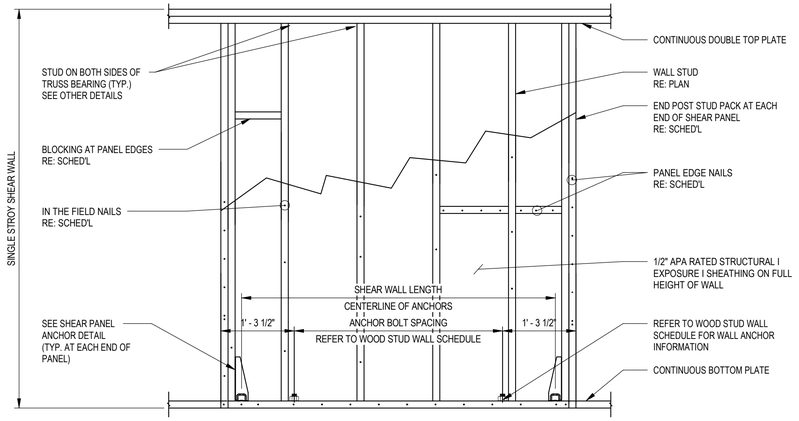
CONCRETE REINFORCEMENT SPLICE LENGTHS

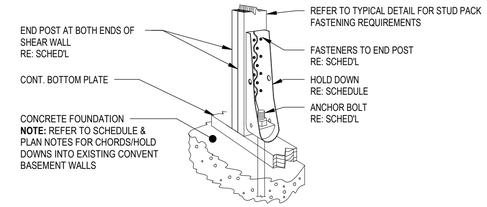
BAR SIZE	BAR DIA. (inches)	3 BAR DIAMETERS (inches)	SPLICE LENGTH	
			TOP BARS	OTHER BARS
#3	0.375	1.125	24	19
#4	0.5	1.500	32	25
#5	0.625	1.875	40	31
#6	0.75	2.250	48	37
#7	0.875	2.625	70	54
#8	1.000	3.000	80	62
#9	1.125	3.375	91	70
#10	1.250	3.750	102	79
#11	1.375	4.125	113	87

NOTES:

1. *Tabulated values are based on Grade 60 reinforcing bars and 4,000 psi normal weight concrete. Lengths are in inches.*
2. *Tabulated values shall only be used for instances where the concrete cover is at least 1.0 bar diameter and the center to center spacing of the bars is at least 3.0 bar diameters. Contact the engineer for lap splice lengths for bars with less cover or spacing's.*
3. *Top bars are horizontal bars with more than 12 in. of concrete cast below the bars.*
4. *Where bars of different sizes are to be spliced, the splice length for all bars shall be that required for the largest bar size.*
5. *For lightweight aggregate concrete, multiply the tabulated values by 1.33.*

WOOD STUD SHEAR PANEL (SW) SCHEDULE





HOLDDOWN AT CONCRETE
TYP. AT EACH END OF SHEAR WALLS

NOTES:
1.) WHEN A WINDOW OPENING OCCURS IN THE SHEAR WALL, PROVIDE BLOCKING BETWEEN STUDS FOR THE LENGTH OF THE SHEAR WALL AT THE HEADER ELEVATION AND AT THE BOTTOM OF THE WINDOW ELEVATION.

SHEAR WALL	BLOCKING REQ'D	HOLD DOWN @ EACH END			SHEATHING				# OF END POSTS	COMMENTS
		HOLD DOWN	ANCHOR BOLT DIA. (EMBED.)	FASTENERS TO END POST	LAYERS AND TYPES	NAILING				
						SIZE	@ PANEL EDGES	IN FIELD OF PANELS		
SW-1	AT PANEL EDGES	HDU5-SDS2.5	5/8" (18")	(14) 1/4" x 2 1/2" SDS SCREWS	(1) 1/2" STRUCTURAL I SHEATHING	10d	6" O.C.	12" O.C.	2	

SCALE (A) 0 2 4 8
SCALE OF FEET

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DESIGNED:	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO.
CAPD HWP	S600	STRUCTURAL SCHEDULES ORIAL CHURCH CAMP NELSON NATIONAL MONUMENT	532 190070
TECH. REVIEW: PMH			PMIS/PKG NO. 322222B
DATE: 06/28/24			SHEET 31 OF 31