IOWA DEPARTMENT OF NATURAL RESOURCES

CONSTRUCTION DOCUMENTS FOR GEODE STATE PARK CCC SHELTER RESTORATION (REBID) HENRY COUNTY, IOWA



PROJECT #17-06-44-04

PLANS PREPARED BY

LAND AND WATERS BUREAU

CONSERVATION AND RECREATION DIVISION

,	DIREC	TORY	
OWNER		DISTRICT INSPECTOR	
COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES	COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES
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PROJECT DESCRIPTION	AUT	HORIZATION TO BID

GEODE STATE PARK CCC SHELTER IS A STRUCTURE WHICH HAS MAJOR ARCHITECTURAL SIGNIFICANCE. THIS SHELTER HAD BEEN CLOSELY REPLICATED BY THE CCC THROUGHOUT THE STATE OF IOWA IN MANY CCC PARKS BECOMING AN ICON FOR STATE PARKS IN IOWA. RESTORATION OF THIS STRUCTURE WILL INCLUDE, REMOVAL OF ROOF, SOME DETERIORATED ROOF DECKING AND PURLINS, ALL BUILDING COLUMNS AND COB BLASTING AND RESTORING ALL WOOD. REPLACEMENT OF WOOD PRODUCTS WITH LIKE HARDWOOD OF SAME DIMENSIONS. REPLACE THE FIRE—BOX IN BOTH FIREPLACES WITH NEW

	AUTHORIZATION TO E	BID
ENGINEERING BUR	EAU CHIEF	DATE

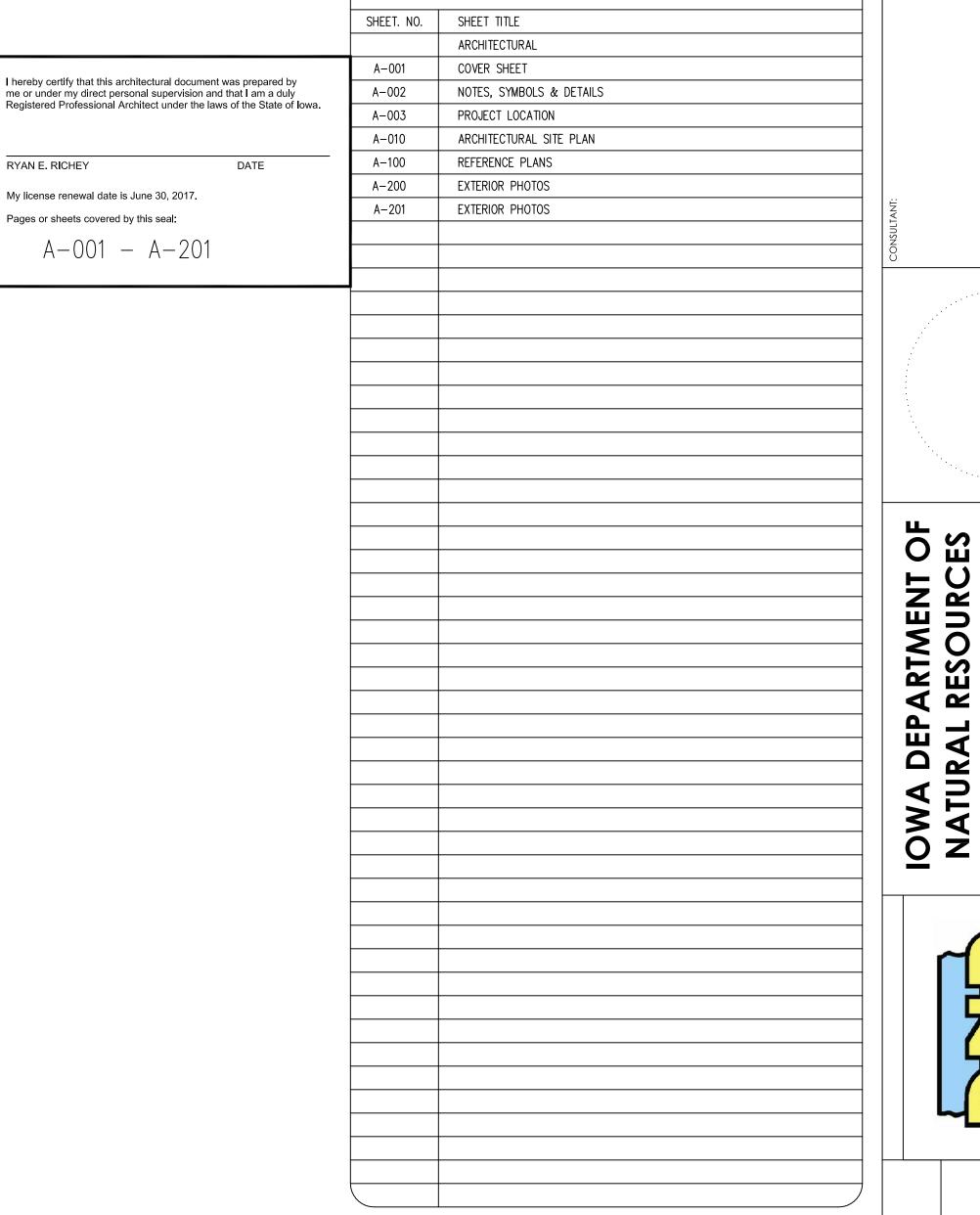
RYAN E RICHEY

06461

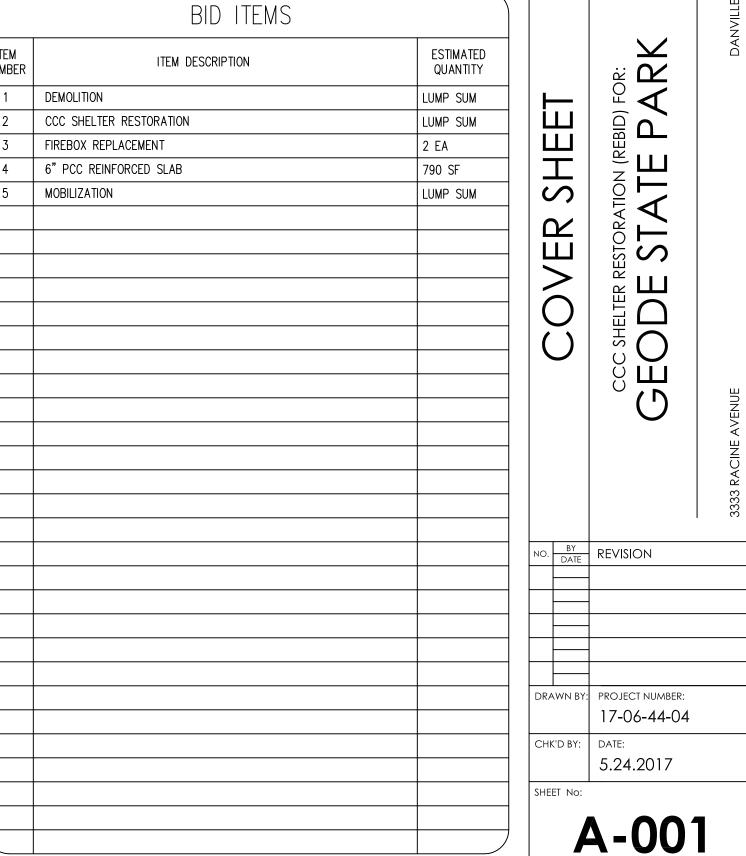
RYAN E. RICHEY

My license renewal date is June 30, 2017.

A-001 - A-201



SHEET INDEX



DIMENSION NOTES

- 1. IN INTERIOR SPACES THE ACTUAL DIMENSIONS MAY BE LESS IMPORTANT THAN IF AT TWO ELEMENTS IN THE BUILDING WERE TO BE EQUAL. IN THESE CASES, THE WORD "EQUAL OR EQ" IS USED IN LIEU OF THE ACTUAL DIMENSIONS.
- 2. WHEN A ROOM CENTERLINE IS INDICATED ONLY ONE SIDE OF THE ROOMS ELEMENTS MAY BE DIMENSIONED.
- 3. COLUMN IDENTIFICATION: DETAILS WILL GOVERN ALL DIMENSIONS AND NO DIMENSIONS WILL BE SHOWN ON SMALL SCALE PLANS.
- 4. PARTITION CENTERED ON COLUMN OR GRID LINES WILL NOT BE DIMENSIONED ON SMALL SCALE PLANS.
- 5. PARTITION WITH A FINISHED FACE FLUSH WITH FINISH FACE OF COLUMN WILL NOT be DIMENSIONED ON SMALL SCALE PLANS.
- 6. PARTITION FINISH FACE ON COLUMN OR GRID LINE WILL NOT BE DIMENSIONED ON SMALL SCALE PLANS .
- 7. WHEN ONE JAMB OCCURS AT A COLUMN OR GRID LINE NO DIMENSIONS WILL BE SHOWN ON THE SMALL SCALE PLANS. THE OPENING WIDTH WILL BE GOVERNED BY CRITERIA OR SCHEDULES.
- 8. WHEN NEITHER JAMB OCCURS AT A COLUMN OR GRID LINE ONE JAMB WILL BE DIMENSIONED.
- 9. DOOR LOCATIONS ARE TO BE LOCATED BY ONE OF FOLLOWING:
 - ONE JAMB FACE LOCATED BY A PARTITION AT RIGHT ANGLE. 4"TYPICAL UNLESS INDICATED ON PLAN.
 - b. OR AS DIMENSIONED ON PLAN.
- 10. PARTITIONS ARE DIMENSIONED TO FACE OF CMU OR FACE OF STUD UNLESS OTHERWISE NOTED.
- 11. DIMENSIONS ARE INDICATED IN THE DOCUMENTS. THE DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS.

MATERIAL LEGEND CONCRETE MASONRY UNIT GYPSUM / STUCCO CONCRETE COMPACTED EARTH metal stud ASPHALT GRASS PARTICLE BOARD PLYW00D foam INSULATION cast stone RIGID INSULATION BATT INSULATION ALUMINUM ACOUSTICAL CEILING TILE пппп WOOD BLOCKING CONTINUOUS WOOd FINISHED WOOD pavers

SYMBOL LEGEND ROOM 000 NORTH AAROW ROOM/SPACE IDENTIFICATION DOOR TAG 100 DRAWING / DETAIL IDENTIFICATION $\int SCALE$: 0 = 0'-0" (00) WINDOW TAG WALL TYPE REFERENCE (00) KEYNOTE NUMBER -NEW C.S.I. DIVISION/KEY KEYNOTE - DEMOLITION EXTERIOR ELEVATION $\frac{00}{A-000}$ 00 KEYNOTE - NEW/RENOVATION KEYNOTE - FINISH/ACCESSORY (00) INTERIOR ELEVATION PROPERTY LINE REFERENCE ELEVATION: 0'-0" DESCRIPTION1 **ELEVATION TARGET** CENTER LINE REFERENCE COLUMN GRID LEVEL CHANGE REFERENCE (A)——— DETAIL CUT LINE REVISION NUMBER AND CLOUD MATCH LINES

GENERAL NOTES

THE FOLLOWING GENERAL NOTES SHALL PERTAIN TO THE ENTIRE SET OF CONTRACT DOCUMENTS

- 1. A GENERAL CONTRACTOR SHALL NOTE THAT THE ARCHITECTURAL DRAWINGS ARE ESTABLISHING A MINIMUM MATERIAL OR CONSTRUCTION METHOD STANDARD. THE GENERAL CONTRACTOR SHALL PROVIDE A BID PRICE BASED ON THE SPECIFIC MATERIALS NOTED.
- DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT BEFORE CONTINUING WITH CONSTRUCTION.
 GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL PERFORM THEIR WORK IN ACCORDANCE WITH ALL
- APPLICABLE CODES GOVERNING EACH TRADE.

 4. THE CONTRACTOR SHALL MAINTAIN A CLEAN AND ORGANIZED JOB SITE, ACCEPTABLE TO THE OWNER.

 5. THE CONTRACTOR SHALL COORDINATE THE SEQUENCE OF WORK WITH THE OWNER REPRESENTATIVE..
- THERE SHALL BE NO DEVIATION BY THE GENERAL CONTRACTOR FROM THE CONSTRUCTION DOCUMENTS UNLESS APPROVED IN WRITING BY THE ARCHITECT.
- 7. EACH CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN THE FIELD PRIOR TO THE INITIATION OF WORK AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR CONDITIONS INTERFERING WITH THE ABILITY OF THE CONTRACTOR TO COMPLETE WORK AS OUTLINED ON THE CONSTRUCTION DRAWINGS.

 8. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH OTHER TRADES. LACK OF THIS
- COORDINATION RESULTING IN ADDED COST TO THE CONTRACT WILL BE BORNE BY THE CONTRACTOR.

 9. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE EXISTING BUILDING WATER TIGHT DURING
- 10. THE CONTRACTOR WILL VERIFY THAT EXIT EGRESS IS MAINTAINED FOR ALL OCCUPIED AREAS OF THE BUILDING THROUGHOUT ALL PHASES OF CONSTRUCTION.
- 11. PLAN DIMENSIONS ARE GIVEN TO FACE OF STUD OR BLOCK WALL. "CLEAR" DIMENSIONS ARE GIVEN TO THE FACE
 12. THE OWNER WILL ASSUME ALL LIABILITY AND SHALL TAKE PERSONAL RESPONSIBILITY FOR ANY DECISIONS THAT
- APPROVAL.

 13. PROTECT ALL EXISTING FINISHES AND MATERIALS TO REMAIN, IN ACCORDANCE WITH ACCEPTABLE TRADE
- PRACTICES, MANUFACTURER, RECOMMENDATIONS, OR AS DIRECTED BY THE ARCHITECT.

 14. CUTTING OF EXISTING CONSTRUCTION FOR THE INSTALLATION OF ALL NEW WORK BY ALL TRADES, AND THE SUBSEQUENT PATCHING THEREOF, SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR, WHETHER THE WORK IS DONE BY HIS OWN FORCES OR NOT. GRINDING OF MATERIALS FOR REMOVAL SHALL NOT BE PERMITTED. CUTTING SHALL BE TO STRAIGHT LINE. UNWORKMAN—LIKE CUTTING, DAMAGE RESULTING THEREFROM AND UNACCEPTABLE PATCHING SHALL BE REPAIRED AND/OR REPLACED TO AN ACCEPTABLE CONDITION APPROVED BY THE ARCHITECT. A OWNER PROJECT REPRESENTATIVE SHALL BE NOTIFIED PRIOR TO CUTTING OF ANY STRUCTURAL ITEM (I.E. CONCRETE FLOOR, MASONRY, WALL, ETC.) WITHIN THE EXISTING BUILDING. METHOD OF CUTTING SHALL BE APPROVED BY THE
- OWNER PROJECT REPRESENTATIVE.

 15. PATCHING MATERIAL SHALL MATCH EXISTING ADJACENT MATERIALS AS CLOSELY AS POSSIBLE IN COLOR,
- PATTERNS, AND/OR TEXTURES.

 16. ALL SALVAGE MATERIALS REMOVED SHALL REMAIN THE PROPERTY OF THE OWNER. ALL NON-SALVAGE CONSTRUCTION MATERIALS AND DEBRIS FROM DEMOLITION WORK SHALL BE REMOVED FROM THE SITE AS WORK
- PROGRESSES, UNLESS OTHERWISE NOTED.

 17. ISOLATE ALL DISSIMILAR METALS. G SHALL REQUEST APPROVAL BY THE ARCHITECT FOR MATERIALS USED FOR
- THIS PURPOSE, PRIOR TO INSTALLATION.
- 18. SEALANTS SHALL BE COMPATIBLE WITH ADJACENT SURFACE(S) THAT ARE IN CONTACT. REFER TO SPECIFICATIONS
- FOR APPROVED MANUFACTURERS AND PROCEDURES.

 19. CAULK JOINTS OF DISSIMILAR EXPOSED TO VIEW MATERIALS AS REQUIRED BY THE ARCHITECT.

 20. ALL DOOR HARDWARE TO BE FL. ADA COMPLIANT.
- 21. ALL EXTERIOR WALLS, DOORS AND WINDOWS ARE EXISTING U.N.O.
- 22. ALL FINISHES TO BE PER CLASS INDICATED ON A-004
 23. NO CONSTRUCTION SHALL OCCUR WITHOUT SHOP DRAWING APPROVAL. SHOP DRAWINGS TO BE PROVIDED TO
- ARCHITECT FOR REVIEW UPON BEING REVIEWED AND SIGNED/DATED BY THE GENERAL CONTRACTOR AND SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING ITEMS:

 CABINETRY MILLWORK
- RUNNING TRIM AND CASING PROFILES
- PAINT/LAMINATE COLOR SAMPLESACOUSTICAL CEILING AND GRID
- TOILET ACCESSORIESKITCHEN EQUIPMENT
- ROOF PENETRATIONSHVAC EQUIPMENT
- HVAC EQUIPMENTPLUMBING EQUIPMENT AND FIXTURES
- ELECTRICAL EQUIPMENT AND FIXTURES
- 24. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL SUBMIT (2) COPIES OF MATERIAL SAFETY DATA SHEETS (MSDS) FOR ALL PRODUCTS USED TO PERFORM THE WORK.

ABBREVIATIONS

ABV	ABOVE	MANUF	MANUFACTURER
AFF	ABOVE FINISH FLOOR	MAX	MAXIMUM
ACT	ACOUSTICAL CEILING TILE	MO	MASONRY OPENING
AHU	AIR HANDLER UNIT	MECH	MECHANICAL
AL	ALUMINUM	MEMB	MEMBRANE
AB	ANCHOR BOLT	MTL	METAL
@ @	AT STATE OF THE PROPERTY OF TH	MIN	MINIMUM
BM	BEAM	N/A	NOT APPLICABLE
BRG	BEARING	NÍC	NOT IN CONTRACT
BLK	BLOCK	NTS	NOT TO SCALE
BD	BOARD	#, NO	NUMBER
BTM	BOTTOM	ÖA	OVERALL
		OC	ON CENTER
BLDG	BUILDING		
BUR	BUILT-UP ROOF	OCC	OCCUPANCY
CAB	CABINET	OPNG	OPENING
CPT	CARPET	OPP	OPPOSITE
CF	CEILING FINISH	OH	OVERHANG
CIP	CAST IN PLACE	PAV	PAVERS
CLG	CEILING	PNT	PAINTED
CL	CENTER LINE	PR	PAIR
CT	CERAMIC TILE	PB0	PURCHASED BY OWNER
CLR	CLEAR	PF	PRE-FINISHED/PRIMED
COL		PL	PLATE
	COLUMN		
CONC	CONCRETE	PLMB	PLUMBING
CMU	CONCRETE MASONRY UNIT	PLYWD	PLYWOOD
CONT	CONTINUOUS	PT	PRESSURE TREATED
CJ	CONTROL JOINT	POR	POINT OF REFERENCE
		QT	QUARRY TILE
DIA	DIAMETER		
DEMO	DEMOLITION	R	RADIUS
DR	DOOR	RCP	REFLECTED CEILING PLAN
DN	DOWN	REINF	REINFORCED
DS	DOWNSPOUT	RENO	RENOVATION
DWG	DRAWINGS	REQ'D	REQUIRED
ELEC	ELECTRICAL	RD	ROOF DRAIN
EWC	ELECTRIC WATER COOLER	RM	ROOM
ELEV	ELEVATION	R0	ROUGH OPENING
EQ	EQUAL	S	STAIN
EXIST	EXISTING	SECT	SECTION
		SIM	SIMILAR
EJ	EXPANSION JOINT		
EXT	EXTERIOR	SC	SOLID CORE
FIN	FINISH	ST	STUCCO
FV	FIELD VERIFY	SPEC	SPECIFICATION
FE	FIRE EXTINGUISHER	SF	SQUARE FOOT
FLR		SS	STAINLESS STEEL
	FLOOR		
FD	FLOOR DRAIN	STL	STEEL
FTG	FOOTING	STRUCT	STRUCTURAL
FR	FIRE RETARDANT	STD	STANDARD
GA	GAUGE	TR	TRUSS
GC	GENERAL CONTRACTOR	TG	TEMPERED GLASS
GALV	GALVANIZED	TEXT	TEXTURED
GFI	GROUND FAULT INTERRUPT	TYP	TYPICAL
GYP	GYPSUM	T&G	TONGUE & GROOVE
HC	HANDICAPPED	T&B	TOP & BOTTOM
HDW	HARDWARE	UL	UNDERWRITERS LAB
		UNO	
HT	HEIGHT		UNLESS NOTED OTHERWISE
HDR	HEADER	VP	VAPOR BARRIER
НМ	HOLLOW METAL	VB	VINYL BASE
IC	INSTALLED BY CONTRACTOR	VCT	VINYL COMPOSITION-TILE
10	INSTALLED BY OWNER	VWC	VINYL WALL COVERING
		WC	WATER COOLER
INSUL	INSULATION		
INT	INTERIOR	WH	WATER HEATER
JAN	JANITOR	WWF	WELDED WIRE FABRIC
JT	JOINT	WD	WOOD
LAM	LAMINATED	W/	WITH
LF	LINEAR FEET	w/o	WITHOUT
LI	LINEAR I LET	, 0	

PROJECT SCOPE

THE FOLLOWING NARRATIVE SHALL OUTLINE THE PROJECT SCOPE OF THE FOLLOWING SET OF CONTRACT DOCUMENTS:

CONTRACTOR SHALL DEMOLISH ENTIRE CONCRETE BUILDING SLAB. CONTRACTOR SHALL ALSO REMOVE ROTTEN EAVE ROOF DECKING, 2X EAVE PURLINS, SHINGLES AND UNDERLAYMENT. CONTRACTOR TO REMOVE ALL COLUMNS AND CORBELS, AND KEEP EXISTING BEAMS AND RAFTERS FOR FUTURE USE. CONTRACTOR TO DEMOLISH EXISTING BUILT—IN BENCHES AND FIREPLACE FIRE BOXES IN THEIR ENTIRETY.

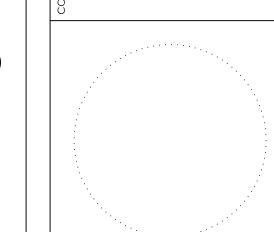
CONTRACTOR SHALL COB BLAST ENTIRE STRUCTURE (BEAMS, SIDING, RAFTERS AND CORBELS) TO BARE WOOD IN PREPARATION FOR NEW STAIN.

CONTRACTOR SHALL REPLACE ALL EAVE ROOF DECKING WITH SIMILAR 5/4 TONGUE AND GROVE (SQUARED EDGE) DOUGLAS FIR DECKING, 2X EAVE PURLINS AND DOUGLAS FIR COLUMNS AND BENCHES IN SAME DIMENSION AS EXISTING. STAIN ENTIRE STRUCTURE TWO COATS OF TWP 100 SERIES STAIN, COLOR TBD.

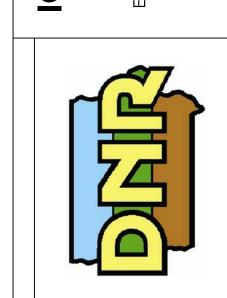
CONTRACTOR SHALL PLACE 30# FELT OVER ENTIRE ROOD STRUCTURE WITH CERTAINTEED LANDMARK PREMIUM SHINGLES WITH BROWN ALUMINUM DRIP EDGE OVER ENTIRE PERIMETER OF ROOF. CONTRACTOR SHALL ABIDE BY THE AMERICAN WOOD COUNCIL GUIDELINES FOR ROOF DECKING INSTALLATION.

CONTRACTOR SHALL REPLACE FIRE BOXES WITH NEW FIRE BRICK,

CONTRACTOR SHALL POUR A NEW CONCRETE SLAB IN THE SHELTER. 6" PCC SLAB WITH #4 REBAR 36" O.C. BOTH DIRECTIONS.



IOWA DEPARTMENT OF
NATURAL RESOURCES
ENGINEERING SERVICES - WALLACE BUILING
502 E. 97H ST., DES MOINES, IA 50319-0034
P: 515.725.8200



NOTES & SYMBOLS & DETAILS

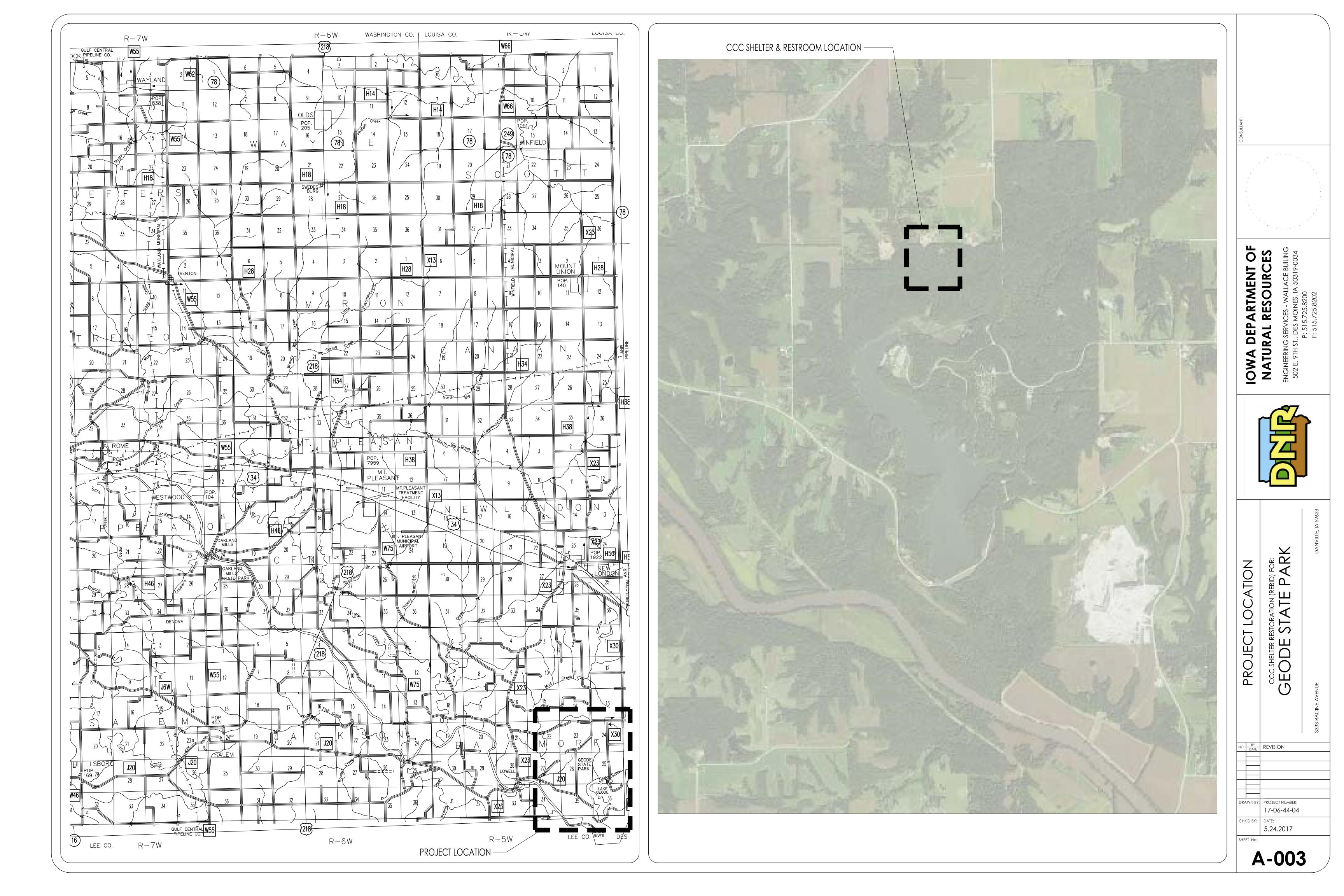
CCC SHELTER RESTORATION (REBID) FOR:

GEODE STATE PARK

DRAWN BY: PROJECT NUMBER: 17-06-44-04

CHK'D BY: DATE:

A-002





STAIN.

E. STAIN AND SEAL ALL WOOD MEMBERS, AFTER INSTALLATION OF NEW WOOD MEMBERS, WITH TWO COATS TWP 100 SERIES STAIN (COLOR TBD).

ENGINEERING SERVICES - WALLACE BUILING 502 E. 9TH ST., DES MOINES, IA 50319-0034 P: 515.725.8200 F: 515.725.8202 IOWA DEPARTMENT OF NATURAL RESOURCES

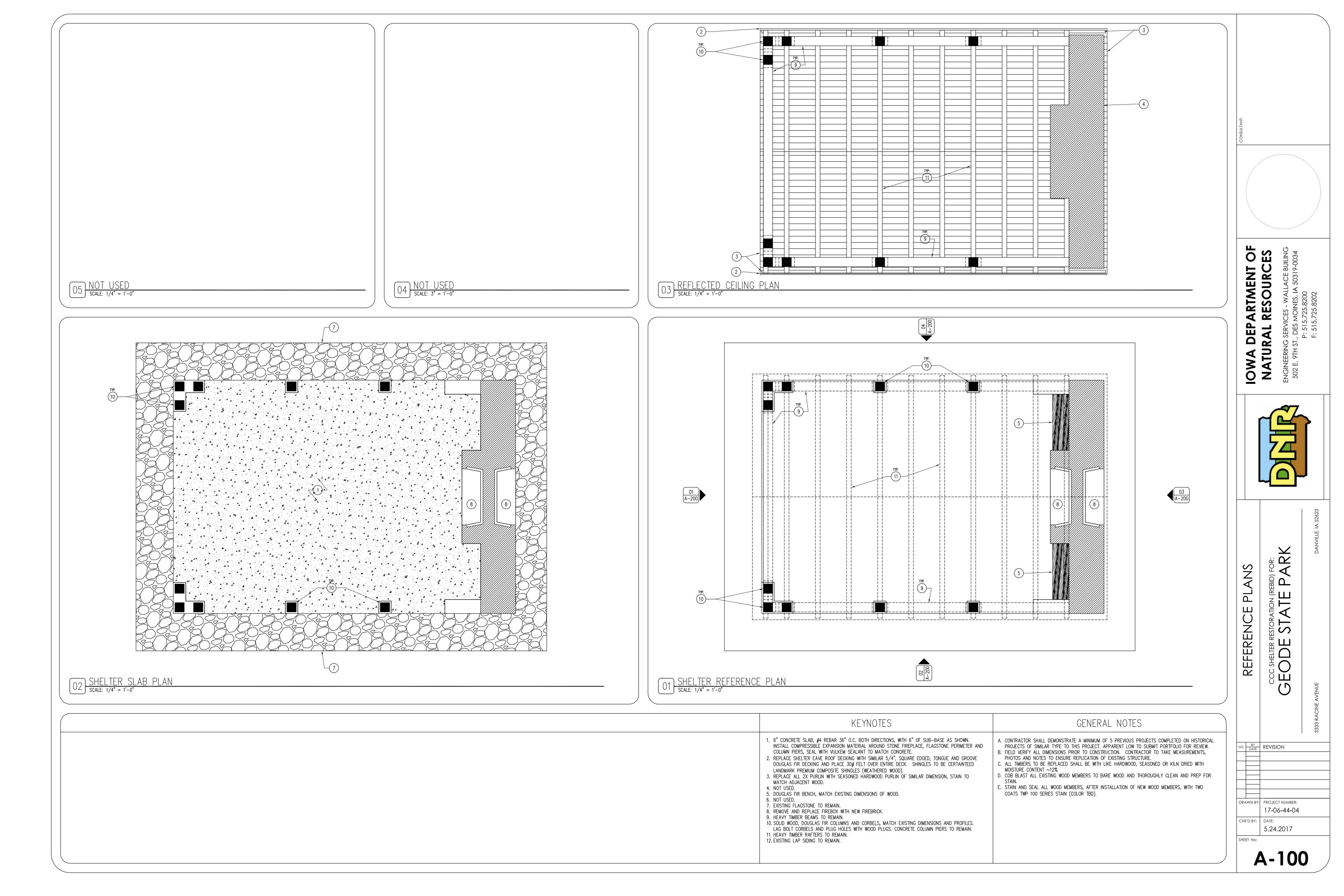


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NO. BY REVISION DRAWN BY: PROJECT NUMBER:

17-06-44-04 CHK'D BY: DATE: 5.24.2017

SHEET No:

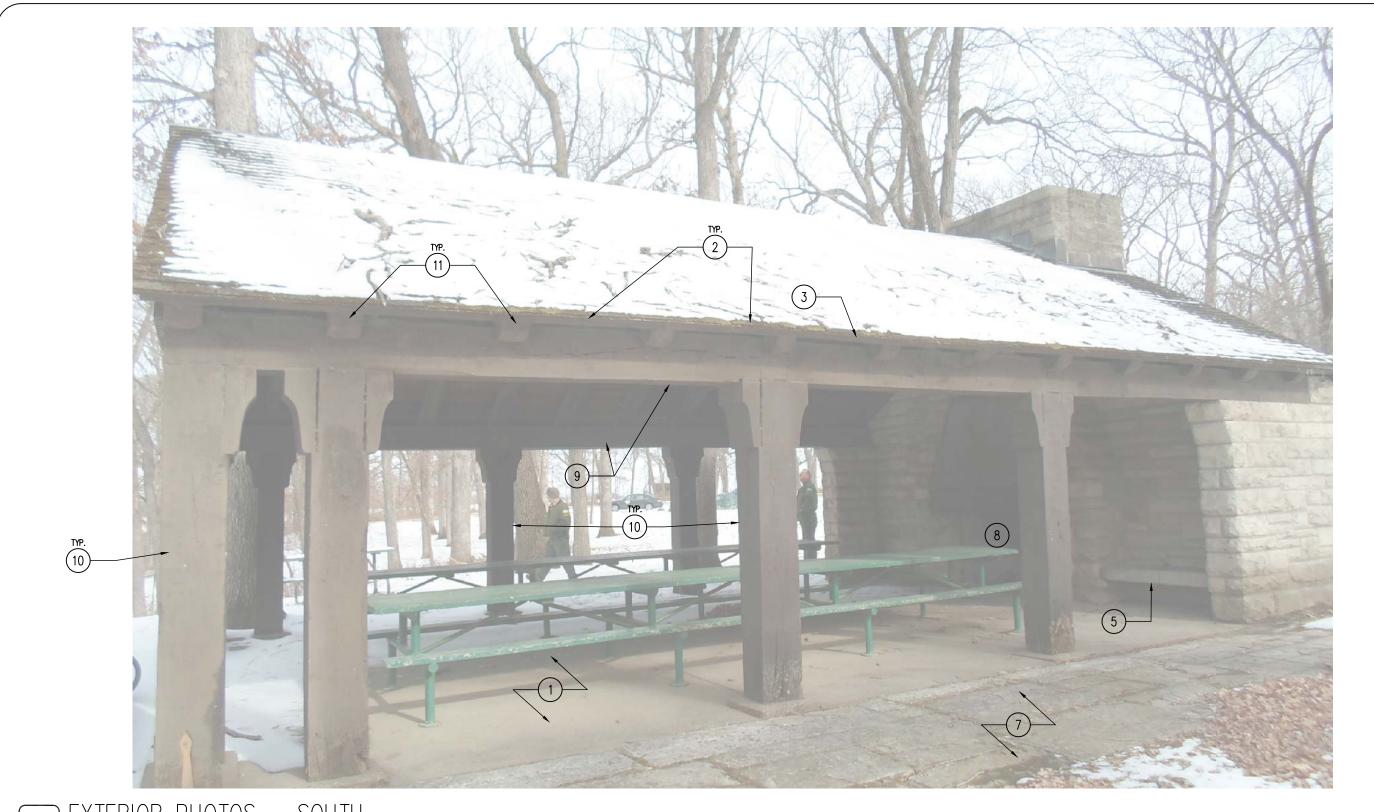








O3 EXTERIOR PHOTOS - WE

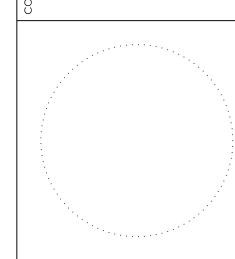




02 EXTERIOR PHOTOS — SOUTH SCALE: NTS KEYNOTES GENERAL NOTES 1. 6" CONCRETE SLAB, #4 REBAR 36" O.C. BOTH DIRECTIONS, WITH 6" OF SUB-BASE AS SHOWN. INSTALL COMPRESSIBLE EXPANSION MATERIAL AROUND STONE FIREPLACE, FLAGSTONE PERIMETER AND A. CONTRACTOR SHALL DEMONSTRATE A MINIMUM OF 5 PREVIOUS PROJECTS COMPLETED ON HISTORICAL PROJECTS OF SIMILAR TYPE TO THIS PROJECT. APPARENT LOW TO SUBMIT PORTFOLIO FOR REVIEW. COLUMN PIERS, SEAL WITH VULKEM SEALANT TO MATCH CONCRETE. B. FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. CONTRACTOR TO TAKE MEASUREMENTS, 2. REPLACE SHELTER EAVE ROOF DECKING WITH SIMILAR 5/4", SQUARE EDGED, TONGUE AND GROOVE DOUGLAS FIR DECKING AND PLACE 30# FELT OVER ENTIRE DECK. SHINGLES TO BE CERTAINTEED PHOTOS AND NOTES TO ENSURE REPLICATION OF EXISTING STRUCTURE.

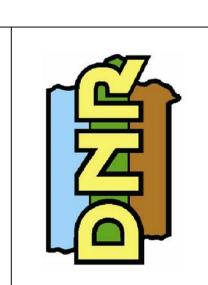
C. ALL TIMBERS TO BE REPLACED SHALL BE WITH LIKE HARDWOOD, SEASONED OR KILN DRIED WITH MOISTURE CONTENT ~12%. LANDMARK PREMIUM COMPOSITE SHINGLES (WEATHERED WOOD).

3. REPLACE ALL 2X PURLIN WITH SEASONED HARDWOOD PURLIN OF SIMILAR DIMENSION, STAIN TO D. COB BLAST ALL EXISTING WOOD MEMBERS TO BARE WOOD AND THOROUGHLY CLEAN AND PREP FOR MATCH ADJACENT WOOD. E. STAIN AND SEAL ALL WOOD MEMBERS, AFTER INSTALLATION OF NEW WOOD MEMBERS, WITH TWO 4. NOT USED. 5. DOUGLAS FIR BENCH, MATCH EXISTING DIMENSIONS OF WOOD. COATS TWP 100 SERIES STAIN (COLOR TBD). NOT USED. 7. EXISTING FLAGSTONE TO REMAIN. 8. REMOVE AND REPLACE FIREBOX WITH NEW FIREBRICK. 9. HEAVY TIMBER BEAMS TO REMAIN. 10. SOLID WOOD, DOUGLAS FIR COLUMNS AND CORBELS, MATCH EXISTING DIMENSIONS AND PROFILES. LAG BOLT CORBELS AND PLUG HOLES WITH WOOD PLUGS. CONCRETE COLUMN PIERS TO REMAIN. 11. HEAVY TIMBER RAFTERS TO REMAIN. 12. EXISTING LAP SIDING TO REMAIN.



I DEPARTMENT OF IRAL RESOURCES

NG SERVICES - WALLACE BUILING



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EXTERIOR PHOTOS
SC SHELTER RESTORATION (REBID) FOR:
ODE STATE PARK

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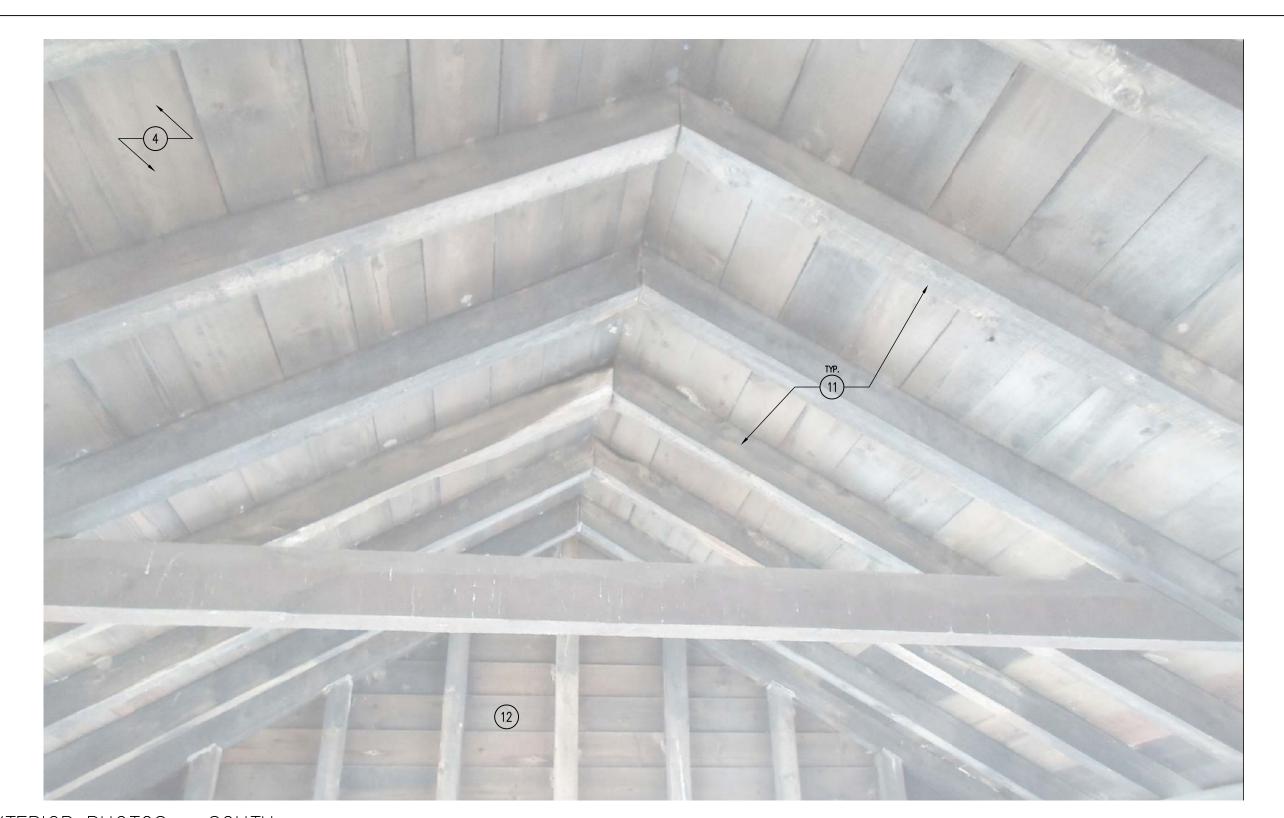
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PHOTOS EXTERIOR SIC й Ш

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