PRELIMINARY DRAWINGS FOR CASPER COLLEGE RANCH HOUSE DEMOLITION





CASPER, WYOMING



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 www.m-m.net

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Jay B. Fischer, PE Project Manager APPROVED BY:

Eric Rulofson, Casper College Facilities Operation Director

1 - RANCH HOUSE DEMO\ACAD\SHEETS\STRUCTURAL\6002.009_TITLE SHEET.DWG PLOTTED BY:CHRISTINA PAXTON ON May/28/20

PROJECT LOCATION



VICINITY MAP



BIDDING NOTES

BASE BID

BASE BID TO INCLUDE COMPLETE DEMOLITION OF THE FOLLOWING ITEMS, BUT NOT LIKITED TO: -ENITIRE HOUSE STRUCTURE, EXCLUDING THE GREEN HOUSE -ASPHALT HARD SCAPE -CONCRETE HARD SCAPE -TENNIS COURTS AND FENCES -ROCK WALLS

- 2. REROUTING OF UTILITIES FOR USE IN THE GREEN HOUSE. CONTRACTOR SHALL VERIFY WITH
- OWNER LOCATION OF ROUTED UTILITIES. 3. REGRADING OF THE ENTIRE DEMO AREA AS NOTED.

ADDITIVE ALTERNATE BID NO. 1

- 1. DEMOLITION OF THE ENTIRE HOUSE, EXCLUDING THE GREEN HOUSE AND GARAGE. REROUTING OF UTILITIES FOR USE IN THE GARAGE AND GREEN HOUSE, CONTRACTOR SHALL VERIFY WITH OWNER LOCATION OF ROUTED UTILITIES.
- REGRADING OF THE ENTIRE DEMO AREA AS NOTED.
- 4. ADDITIONAL STRENGTHENING OF GARAGE SHEAR WALLS, ADDITION OD EXTERIOR SIDING. ROOFING, SOFFIT FRAMING, AND THERMAL/MOISTER BARRIER PER ALT. 1 DRAWINGS

DEDUCTIVE ALTERNATE BID NO. 1

1. SALVAGE AND RETAIN ASPHALT PAVEMENTS (APPROX. 8,300 sf).

DEMOLITION NOTES

GENERAL

- 1. Review record documents of existing construction provided by the Owner. Owner does not guarantee that existing conditions are the same as those indicated in the record documents. (Notify engineer of discrepancies.)
- 2. Survey existing conditions and correlate with requirements indicated to determine extent of selective demolition required. (Notify engineer of discrepancies.) 3. When unanticipated mechanical, electrical, or structural elements that conflict with intended function or design
- are encountered, investigate and measure the nature and extent of conflict. Promptly submit a written report to the engineer.
- 4. Assist the engineer in surveying conditions of building to determine whether removing any element might result in structural deficiency or unplanned collapse of any portion of structure. It is the contractor's responsibility to familiarize himself herself with the scope of work.
 The demolition notes provide a general description of the items and areas requiring removal. The contractor
- shall field verify actual quantities and locations of all indicated items as necessary to complete the scope of work in accordance with the contract documents. This includes, but is not limited to, electrical fixtures & receptacles, plumbing fixtures, and registers/diffusers/louvers. 7. Prevent movement or settlement of adjacent structures. Provide bracing and shoring as necessary
- 8. Demo contractor to verify total area of pavement areas to be demoed. Area provided is provided for bidding purposes only, on site verification is required.
- 9. Demo contractor to verify total length of Rock wall to be demoed, length provided is for bidding purposes, on site verification is required.

SITE GRADING

- 1. Uniformly rough grade area of demolished construction to a smooth surface, free from irregular surface
- changes. 2. Provide a smooth transition between adjacent existing grades and new grades
- Finished grade to slope away from garage; 10% for 10' beyond garage and then go to 2%.
- 4. Remove all hardscapes as noted, once removed regrade areas to a uniformly smooth surface, free of irregular changes.

DEMO / SALVAGED ITEMS

- 1. Coordinate with owner for any equipment to be salvaged. Unless specifically scheduled for reuse, demolished
- materials shall become the possession of the contractor and shall be immediately removed from the site.
- 2. Demo all concrete work including crawlspace walls and flatwork. See specifications for haul off and disposal.
- Salvage existing siding materials to be used on newly exposed exterior garage walls.
 Salvage existing roofing materials to be used over garage.

DISPOSAL

- Remove materials from site and dispose of in a legal manner at no additional expense to owner
- Debris from the demolition shall not be allowed to accumulate within the building or on the site.
 Hazardous material is not expected to be encountered. If suspect materials are found, the contractor is to notify
- owner. The owner will properly identify and dispose of hazardous materials if found.
- 4. Burning of materials on site is not permitted. 5. Clean-up: must meet governing dust control codes and specified waste removal procedures

UTILITY WORK BASE BID

VERIFY SCALE!

THESE PRINTS MAY BE REDUCED LINE BELOW MEASURES ONE INCH ON ORIGINAL DRAWING.

MODIFY SCALE ACCORDINGLY!

- 1. Notify affected utility companies before starting work and comply with their requirements 2. Contractor is responsible for utility locates and survey of existing utilities. Verify location of service disconnect and location of reconnect for the garage structure.
- 3. Existing Septic Tank Shall be abandoned and filled in with on site soil and gravel.
- 4. Disconnect and cap waterlines from the existing well to the house. The existing well shall remain in place and reused during and after the demolition project.
- 5. Relocate electrical and gas utilities to continue to feed the remaining greenhouse structure, verify with owner the new location. 5. Verify that utilities have been disconnected and capped before starting selective demolition operations. Contact
- utility company(s) for further verification. If disconnect is required demo contractor is responsible to schedule disconnect with utility company(s).
- 6. Existing Services/Systems to Remain: Maintain services/systems indicated to remain and protect them from damage.





YW)

WYOMING

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DRAWN BY: SK

DSGN. BY: CP

APPR. BY: JF

Q.C. REVIEW

BY: <u>NM</u> DATE: 5/17/2021

DATE: 5-26-2021

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1 - RANCH HOUSE DEMO\ACAD	SHEETS	STRUCTURAL/6002.009. DEMO NOTES AND SITE PLAN DWG PLOTTED BY CHRISTINA PAXTON O	N.Jun/03/2021	1	• • •

BASE BID DEMOLITION KEY NOTES

- (1) DEMO EXISTING STRUCTURE; INCLUDING ALL CONCRETE WORK (SALVAGE EXISTING SIDING AND ROOFING MATERIALS TO BE USED ON NEWLY EXPOSED GARAGE WALLS THAT ARE REMAINING)
- 2 DEMO TENNIS COURT PAVEMENT AND COURT FENCING (APPROX. 5000 sf)
- 3 DEMO ALL CONCRETE AND ASPHALT PAVEMENTS (APPROX. 28,000 sf)
- $\fbox{4} \quad \text{DEMO ROCK WALLS} \text{ (APPROX. 110 ft)}$
- (5) GREENHOUSE TO REMAIN

DEDUCTIVE ALTERNATE NO. 1

6 SALVAGE AND RETAIN ASPHALT PAVEMENTS (APPROX. 8,300 sf)

		MAY 2021
COLLEGE RANCH HOUSE DEMOLITION		PROJECT NUMBER 6002.011
	WYOMING	SHEET NUMBER 2
DEMOLITION PLAN		DRAWING NUMBER

BASE BID DEMOLITION NOTES

GENERAL

MODIFY SCALE ACCORDINGLY

RANCH HOUSE DEMO/ACAD/SHEETS/STRUCTURAL/6002.009 DEMOLITION PLAN.DWG PLOTTED BY:CHRISTINA PAXTON ON

- 1. Review record documents of existing construction provided by the Owner. Owner does not guarantee that existing conditions are the same as those indicated in the record documents. (Notify engineer of discrepancies.)
- Survey existing conditions and correlate with requirements indicated to determine extent of selective demolition required. (Notify engineer of discrepancies.)
- 3. When unanticipated mechanical, electrical, or structural elements that conflict with intended function or design are encountered, investigate and measure the nature and extent of conflict. Promptly submit a written report to
- the engineer Assist the engineer in surveying conditions of building to determine whether removing any element might result in structural deficiency or unplanned collapse of any portion of structure.
 It is the contractor's responsibility to familiarize himself/ herself with the scope of work.
- 6. The demolition notes provide a general description of the items and areas requiring removal. The contractor shall field verify actual quantities and locations of all indicated items as necessary to complete the scope of work in accordance with the contract documents. This includes, but is not limited to, electrical fixtures & receptacles, plumbing fixtures, and registers/diffusers/louvers. Prevent movement or settlement of adjacent structures. Provide bracing and shoring as necessary
- Demo contractor to verify total area of pavement areas to be demoed. Area provided is provided for bidding purposes only, on site verification is required.
- Demo contractor to verify total length of Rock wall to be demoed, length provided is for bidding purposes, on site verification is required.

- DISPOSAL

 - Remove materials from site and dispose of in a legal manner at no additional expense to owner.
 Debris from the demolition shall not be allowed to accumulate within the building or on the site.
 Hazardous material is not expected to be encountered. If suspect materials are found, the contractor is to notify owner. The owner will properly identify and dispose of hazardous materials if found.

ALTERNATE NO. 1 (S-1)

Q.C. REVIEW

BY: <u>NM</u> DATE: <u>5/</u>17/202⁻

WYOMING

 $\langle 2 \rangle$

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- Burning of materials on site is not permitted.
- 5. Clean-up: must meet governing dust control codes and specified waste removal procedures.

BASE BID UTILITY WORK

- Notify affected utility companies before starting work and comply with their requirements 2. Contractor is responsible for utility locates and survey of existing utilities. Verify location of service disconnect
- and location of reconnect for the greenhouse structure.
- Existing Septic Tank Shall be abandoned and filled in with on site soil and gravel. Disconnect and cap waterlines from the existing well to the house. The existing well shall remain in place and
- reused during and after the demolition project. Relocate electrical and gas utilities to continue to feed the remaining greenhouse structure, verify with owner
- the new location. Verify that utilities have been disconnected and capped before starting selective demolition operations. Contact utility company(s) for further verification. If disconnect is required demo contractor is responsible to schedule disconnect with utility company(s).
- 6. Existing Services/Systems to Remain: Maintain services/systems indicated to remain and protect them from







- $\langle \overline{2} \rangle$ INSTALL SALVAGED SIDING ALONG EXPOSED GARAGE WALL
- ${\color{black} \langle 4 \rangle}$ ${\color{black} }$ VERIFY ALL STUD WALL HEIGHTS. AT LOCATIONS WHERE 2X4 STUDS SPAN MORE THAN 12' ${\color{black} }$ INSTALL FURRED OUT WALL WITH 2X4 STUDS @ 12" OC OR REMOVE INTERIOR GYP BOARD AND INSTALL ADDITIONAL 2X4 STUDS TO PROVIDE SPA OF 12" OC. FURRED OUT WALL SHALL BE TIED TO THE SLAB AND ROOF STRUCTURE SIMILAR TO EXTERIOR WALLS. (IF STUD WALL HEIGHT IS LARGER THAN 14' NOTIFY ENGINEER OF DISCREPANCY)
- 'SIMPSON' HDU5-SDS2.5 HOLDDOWN WITH (2) EDGE MEMBERS. ANCHOR TO FOUNDATION 5 WALL WITH 3/4" DIA X 15" HAS. EPOXY GROUT WITH SET-XP ICC-ES ESR-2508 (RE: 2/S-2).
- VERIFY THAT REMAINING WALL SHEATHING IS AT A MINIMUM 1/2" STRUCTURAL 1 APA RATED $\langle 6 \rangle$ SHEATHING WITH PANEL EDGE ATTACHMENT OF 8d'S @ 6" OC AND 12" IN THE FIELD. IF EXISTING SHEATHING IS GYP BOARD, REMOVE AND INSTALL NEW PLYWOOD.
- $\langle \overline{7} \rangle$ MINIMUM OF (2) KING STUDS AT DOOR OPENING.
- $\langle 8 \rangle$ MINIMUM OF (3) KING STUDS AT GARAGE OPENING.
- (9) MINIMUM OF (4) KING STUDS AT GARAGE OPENING
- (10) SLOPE GRADE AWAY FROM REMAINING STRUCTURE 5% FOR 10' AND THEN GO TO A 2% SLOPE
- (1) PROTECT STRUCTURE FOR FUTURE USE. EXISTING GARAGE STRUCTURE TO REMAIN. VERIFY EXISTING UTILITIES NEEDED FOR THE GARAGE TO STAND ALONE. ISOLATE AND PROTECT EXISTING UTILITIES.



SCALE: 1/4" = 1'-0"

- ALT. 1 GARAGE ROOF KEY NOTES
- (1) ADD 'SIMPSON' H8 TO EACH END OF EA TRUSS
- $\left< \underline{2} \right> \$ VERIFY WALL TOP PLATE SPLICING MATCHES DETAIL 1/S-2
- $\langle \widehat{\mathbf{3}} \rangle$ $\,$ VERIFY ROOF SHEATHING IS 1/2" STRUCTURAL 1 APA RATED SHEATHING WITH PANEL EDGE ATTACHMENT OF 8d'S @ 6" OC AND 12" IN THE FIELD

2

ALT. 1 UTILITY WORK

services/systems indicated to remain and protect them from damage

- **DESIGN CRITERIA:**
- 2 DEAD LOADS
- A. ROOF = 15 PSF
- 3. LIVE LOADS: A. ROOF LIVE LOAD = 20 PSF

- S. WIND DESIGN DATA:
 A. ULTIMATE DESIGN WIND SPEED (3-SECOND GUST), Vult = 108 MPH
 B. RISK CATEGORY = 1
 C. WIND EYDORIBE = C.

- 7. GEOTECHNICAL INFORMATION: A. A GEOTECHNICAL INVESTIGATION HAS NOT BEEN COMPLETED

MISCELLANEOUS:

- TWO SHALL APPLY
- THE ARCHITECT.

ROUGH CARPENTRY: 1 MATERIALS

- A. 2x DIMENSIONAL LUMBER: DOUGLAS FIR-LARCH NUMBER 2. B. PRESSURE-TREATED 2x AND 4x LUMBER: HEM-FIR NUMBER 2
- C. FASTENERS
- . LAG SCREWS AND BOLTS: ASTM A307
- d. BENT ANCHOR BOLTS: ASTM A36
- NUTS: ASTM A563 WASHERS: ASTM F436
- LIEU OF MARKING

- 7. PROVIDE DOUBLE TOP PLATES ON BEARING STUD WALLS. AT SPLICES, LAP PLATES 48", MINIMUM,
- SCHEDULE.

- OSB. 3. PLACE ROOF SHEATHING W/ THE LONG AXIS PERPENDICULAR TO SUPPORTS & STAGGER 48-INCHES

- DRAWN BY: SK Morrison Maierle DSGN. BY: CP 1470 Sugarland Drive, Suite 1 Sheridan, WY 82801 APPR. BY: JF ASPER 307.672.9310 DATE: 5-26-2021 www.m-m.net Q.C. REVIEW BY: <u>NM</u> DATE: 5-17-2021 WYOMING

VERIEV SCALE!	REVISIONS				
	NO.	DESCRIPTION	BY	DATE	
LINE BELOW MEASURES ONE INCH					
ON ORIGINAL DRAWING.					
MODIFY SCALE ACCORDINGLY!					
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- Relocate electrical and gas utilities to the remaining garage structure, verify with owner the new location Verify that utilities have been disconnected and capped before starting selective demolition operations. Contact utility company(s) for further verification. If disconnect is required demo contractor is responsible to schedule disconnect with utility company(s). 6. Existing Services/Systems to Remain: Maintain

EXISTING GARAGE ROOF PLAN (ALTERNATE NO. 1)

1. DESIGN CODE: 2018 INTERNATIONAL BUILDING CODE (IBC), 2018 INTERNATIONAL EXISTING BUILDING CODE (IEBC), AND ALL APPLICABLE REFERENCE STANDARDS.

4. SNOW LOADS: A. GROUND SNOW LOAD, $P_g = 30$ PSF (REFERENCE: NATRONA COUNTY BUILDING GUIDELINES B. FLAT ROOF SNOW LOAD, $P_f = 30$ PSF C. SNOW EXPOSURE FACTOR, $C_g = 1$ (BASED ON EXPOSURE CATEGORY C) D. SNOW LOAD IMPORTANCE FACTOR, $I_S = 1$ E. THERMAL FACTOR, $C_t = 1$

C. WIND EXPOSURE = C D. INTERNAL WIND PRESSURE COEFFICIENT = +/-.55 E. COMPONENT & CLADDING PRESSURE (BASED ON 1.0 x W): a. ROOF PRESSURE: 52 PSF WITHIN 12 FEET OF EDGE OF ROOF AND 62 PSF WITHIN 12 FEET OF EDGE OF ROOF AND 45 PSF OTHERWISE b. WALL PRESSURE: 50 PSF WITHIN 6 FEET OF A BUILDING CORNER AND 42 PSF OTHERWISE

6. WALL PRESSURE: 50 PSF WITHIN 6 FEET OF A BUILDING CORNER AND 42 PSF OTHER 6. EARTHOUAKE DESIGN DATA: A. RISK CATEGORY = 1 B. SEISMIC IMPORTANCE FACTOR, I_g = 1 C. MAPPED SPECTRAL RESPONSE ACCELERATION PARAMATERS, S_g=.311g & S₁ = .072g D. SITE CLASS = D E. DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS, S_d=.322g & S₁ = .116g F. SEISMIC DESIGN CATEGORY = B G. BASIG SEISMIC FORCE RESISTING SYSTEM: WOOD SHEAR WALLS H. SEISMIC RESPONSE COEFFICIENT, C_S=.05 1. RESPONSE MODIFICATION COEFFICIENT, R = 6.5

1. THE CONTRACTOR SHALL REFERENCE THE SPECIFICATIONS FOR ADDITIONAL INFORMATION. IF CONFLICT OCCURS BETWEEN THE DRAWING & SPECIFICATIONS, THE STRICTER CRITERIA OF THE

DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO REVIEW AND APPROVAL BY THE ADDULTEOT.

EXISTING BUILDING/SITE DIMENSIONS AND ASSUMED CONDITIONS ARE TO BE VERIFIED IN THE FIELD AND ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ALL DISCREPANCIES.

THE STRUCTURE SHALL BE BRACED FOR STABILITY DURING CONSTRUCTION UNTIL THE ERECTION OF THE FRAMING AND OF THE LATERAL-LOAD-RESISTING SYSTEM IS COMPLETE.
 THE DESIGN AND INSTALLATION OF TEMPORARY BRACING AND ERECTION AIDS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROVIDING A SAFE PLACE TO WORK AND FOR MEETING THE REQUIREMENTS OF OSHA.

7. EXCAVATION FOR ANY PURPOSE SHALL NOT REMOVE LATERAL SUPPORT FROM ANY FOUNDATION WITHOUT FIRST UNDERPINNING OR PROTECTING THE FOUNDATION AGAINST SETTLEMENT OR LATERAL TRANSLATION.

a. NALS: COMMON WIRE NAILS, ASTM F1667 b. WOOD SCREWS: CARBON OR STAINLESS STEEL, ANSI/ASME B18.6.1

t. WASHERS: ASTM F436
 g. PROPRIETARY FASTENERS: AS INDICATED ON THE PLANS
 D. FRAMING CONNECTORS: SIMPSON STRONG-TIE
 2. DIMENSIONAL LUMBER SHALL BE GRADED AND MARKED ACCORDING TO THE
 WESTERN WOOD PRODUCTS ASSOCIATION (WWPA) OR WEST COAST LUMBER INSPECTION
 BUREAU (WCLB) GRADING RULES. MEMBERS THAT ARE EXPOSED TO VIEW SHALL NOT BE
 STAMPED AND A CERTIFICATE OF COMPLIANCE BY THE MANUFACTURER SHALL BE PROVIDED IN
 LEU OF MAPKING.

 DIMENSIONAL LUMBER SHALL BE DELIVERED WITH MOISTURE CONTENT LESS THAN 19% AND SURFACED S4S. TIMBERS SHALL BE DELIVERED WITH MOISTURE CONTENT LESS THAN 15%. 4. UNLESS NOTED OTHERWISE, ANCHOR SILL PLATES FOR WOOD STUD WALLS TO THE FOUNDATION WITH 3/4" DIAMETER x 7" EMBEDMENT ANCHOR BOLTS AT 4'-0" ON CENTER. PROVIDE AT LEAST TWO ANCHORS IN EACH SILL PLATE. PROVIDE 1/4" THICK x 3" SQUARE WASHER PLATES DEI OW UTE OF ANCHOR POLYT.

AT LEAST I'WO ANCHORS IN EACH SILL PLATE, FROVIDE 1/4 THICK 3'S SUDARE WASHER FLAT BELOW NUTS OF ANCHOR BOLTS. 5. BUILT-UP STUDS COLUMNS SHALL BE PROVIDED TO SUPPORT FLOOR AND ROOF BEAMS THAT FRAME INTO WOOD STUD BEARING WALLS. THE STUD COLUMNS SHALL MATCH THE WIDTH OF THE BEAM, MINIMUM, AND BE CONTINUOUS TO THE FOUNDATION.

6. FASTEN BUILT-UP STUD COLUMNS, KING STUDS, AND JACK/TRIMMER STUDS AS FOLLOWS: A. 2x4 STUDS: (1) ROW OF 104 NAILS AT 6" ON CENTER, STAGGERED, BETWEEN EACH LAMINATION. B. 2x6 STUDS: (2) ROWS OF 10d NAILS AT 8" ON CENTER, BETWEEN EACH LAMINATION.

PROVIDE DOUBLE TOP PLATES ON BEARING STUD WALLS. AT SPICLES, LAP PLATES 48", MINIMU AND FASTEN PLATES WITH (2) ROWS OF 104 NALLS AT 6" ON CENTER.
 EXTERIOR FASTENERS AND FRAMING CONNECTORS AND FASTENERS AND CONNECTORS FOR PRESSURE-TREATED LUMBER SHALL BE EITHER STAINLESS STEEL OR HOT-DIP GALVANIZED CARBON STEEL, FASTENERS AND CONNECTORS MUST BE OF COMPATIBLE MATERIAL TO PREVENT GALVANIC CORROSION.
 FOR CONNECTIONS NOT SHOWN OR SPECIFIED ON THE PLANS, UTILIZE THE IBC FASTENING SCHEDU IF

10. FOR FRAMING CONDITIONS NOT SHOWN OR SPECIFIED ON THE PLANS, UTILIZE THE INTERNATIONAL RESIDENTIAL CODE

WOOD STRUCTURAL PANEL SHEATHING:

1. WOOD STRUCTURAL PANELS SHALL BE IN ACCORDANCE PS 1, STRUCTURAL PLYWOOD, AND/OR PS 2, PERFORMANCE STANDARD FOR WOOD-BASED STRUCTURAL-USE PANELS 2. ALL WOOD STRUCTURAL PANELS SHALL BE APA RATED SHEATHING, EXPOSURE 1 PLYWOOD OR

S LAGGER 46-INCAES. 4. DRIVE SHEATHING NAILS (OR OTHER SPECIFIED ATTACHMENTS) FLUSH WITH BUT NOT FRACTURING, THE WOOD PANEL SURFACE. 5. NAIL ROOF SHEATHING TO FRAMING. FASTENING PATTERN IS AS FOLLOWS: 8d NAILS @ 6" ON CENTER AT ALL PANEL EDGES AND 8d NAILS @ 12" ON CENTER AT INTERIOR PANEL SUPPORTS.

CASPER COLLEGE RANCH HOUSE DEMOLITION PROJECT NUMBER 6002.011 SHEET NUMBER WYOMIN DRAWING NUMBER GARAGE PLAN (ALTERNATE NO. 1) S-1



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WYOMING

1 - RANCH HOUSE DEMO/ACAD/SHEETS/STRUCTURAL/6002.009_DETAILS.DWG PLOTTED BY:CHRISTINA PAXTON ON May/28/2

COLLEGE RANCH HOUSE DEMOLITION	PROJECT NUMBER 6002.011
WYOMING	SHEET NUMBER 5
	DRAWING NUMBER
DETAILS (ALTERNATE NO. 1)	S-2