HARFORD COUNTY
DEPARTMENT OF PARKS AND RECREATION
Bid # 17-015

MOUNT SOMA BARN
WEATHERIZATION AND STABILIZATION

PRODUCT SPECIFICATIONS:

REPLACEMENT METAL ROOFING: 24" WIDE GALVANIZED STEEL SHEET w/ RAISED RIB AT CENTER OF PANEL (MATCH EXISTING PROFILE) AND NESTING DOUBLE RIDGES AT EDGES. PROVIDE PANELS EQUAL TO 5V-CRIMP PANELS BY SOUTHEASTERN METALS, IN 24 GAUGE THICKNESS WITH GALVALUME FINISH.

GUTTERS: GALVANIZED STEEL HALF ROUND 6" GUTTERS WITH CONNECTORS, FITTINGS, END CAPS, HANGERS AND ALL ACCESSORIES AS REQUIRED FOR A COMPLETE, FINISHED INSTALLATION.

DOWN SPOUTS: PROVIDE 3"ϕ GALVANIZED STEEL ROUND PIPE SPECIFICALLY DESIGNED FOR USE AS DOWNSPOUTS, TOGETHER WITH ALL UNIONS, BENDS, FITTINGS, MOUNTING BRACKETS AND ACCESSORIES AS REQUIRED FOR A COMPLETE, FINISHED INSTALLATION.

PLYWOOD SHEATHING: SHALL BE 4'x8' SHEETS OF FIR VENEER PLYWOOD BEARING AN AMERICAN PLYWOOD ASSOCIATION (APA) GRADE STAMP AND HAVING THE NOMINAL THICKNESS INDICATED. PLYWOOD SHALL BE FASTENED TO STRUCTURAL MEMBERS USING #8 x 1½" LONG EPOXY COATED SCREWS AT AN 8" SPACING ALONG ALL EDGES AND INTERMEDIATE SUPPORTS. DO NOT EXCEED 24" BETWEEN SUPPORTS.

BARN PAINT: SHALL BE BEHR RED LATEX BARN PAINT, SHERWIN WILLIAMS RED LATEX BARN PAINT, OR APPROVED EQUAL, AND SHALL BE APPLIED IN TWO SPRRAYED-ON COATS PER MANUFACTURER'S PRINTED INSTRUCTIONS. PRIOR TO APPLICATION, WOOD SIDING MEMBERS SHALL BE REPAIRED OR REPLACED AS REQUIRED, SECURED TO SUPPORTING FRAMING, AND POWER WASHED WITH WATER JET. MASK ADJACENT STONE, ROOF AND OTHER SURFACES TO PROTECT FROM OVERSPRAY.

REPLACEMENT BARN SIDING: SHALL BE OF SIMILAR DIMENSIONS, AGE AND SPECIES AS WOOD MEMBERS BEING REPLACED. WHERE APPROVED BY THE OWNER'S REP, NEW ROUGH-SAWN PLANKS MAY BE USED TO REPLACE EXISTING PLANKS, PROVIDED THEY ARE WELL SEASONED, AND OF SIMILAR APPEARANCE AND GRAIN CHARACTERISTICS.

RUST INHIBITOR: RUST CONVERTING PRIMER BY CORROSEAL, RUSTARRESTOR BY TOPPS PRODUCTS INC, COROTECH RUST ARRESTOR V180 BY BENJAMIN MOORE & CO OR APPROVED EQUAL, APPLIED BY AIRLESS SPRAYER IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS. CONTRACTOR SHALL ASSURE THAT APPLICATION OF RUST INHIBITOR WILL NOT ADVERSELY AFFECT ADHESION OR INTEGRITY OF THE RUBBERIZED COATING.

LOCAL SEALANT: SEAMGUARD OR RIVETGUARD AS MANUFACTURED BY TOPPS PRODUCTS INC, OR APPROVED EQUAL, APPLIED BY BRUSH OR HAND AS DIRECTED TO ALL FASTENER HEADS, TRANSVERSE JOINTS AND OTHER POTENTIAL LEAK LOCATIONS, AFTER RUST INHIBITOR, BUT PRIOR TO RUBBERIZED COATING.

LIQUID APPLIED COATING: AN ELASTOMERIC COATING SYSTEM DESIGNED FOR USE ON METAL ROOFS TO SEAL, PROTECT AND EXTEND THE LIFE OF THE METAL PANELS. PROVIDE COATING SYSTEM AS MANUFACTURED BY ER SYSTEMS, TOPPS PRODUCTS INC, OR APPROVED EQUAL, APPLIED IN FULL ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS, AND AS OUTLINED BELOW. COLOR SHALL BE AS SELECTED BY OWNER FROM STANDARD ARRAY OF AVAILABLE COLORS. IF TINTABLE, FINISH COAT SHALL BE TINTED TO A LIGHT GREEN AS APPROVED BY OWNER.

BUILDING CODE DATA

BUILDING FOOTPRINT AREA: 3002 SF
IEBC WORK CLASSIFICATION: REPAIRS
CONSTRUCTION CLASS: VB
CURRENT OCCUPANCY CLASSIFICATION GROUP: U (BARN)
NO CHANGE OF USE PROPOSED
ALL SPACES ARE UNCONDITIONED

ROOF COATING INSTRUCTIONS:

1. REPAIR DAMAGED METAL ROOFING WHERE INDICATED ON THE DRAWINGS.
2. POWER WASH ENTIRE ROOF AREA WITH WATER TO REMOVE ALL LOOSE RUST, SURFACE SCALE AND DEBRIS.
3. INSPECT ENTIRE ROOF SURFACE AND NOTE ANY ADDITIONAL HOLES OR DEFECTS THAT REQUIRE REPAIR PRIOR TO APPLYING THE LIQUID APPLIED COATING. REVIEW THESE LOCATIONS WITH OWNER'S REPRESENTATIVE AND PROCEED WITH AUTHORIZED REPAIRS AS EXTRA SERVICES.
4. INSPECT ALL EXISTING FASTENERS FOR TIGHTNESS AND CONDITION. TIGHTEN, REPLACE OR AUGMENT WITH NEW FASTENERS AS REQUIRED.
5. INSPECT EACH TRANSVERSE SEAM (FOUR TOTAL) AND PROVIDE ADDITIONAL SCREWS AND SEALANT AS REQUIRED TO ASSURE GOOD CLOSURE AND INTEGRITY.
6. APPLY RUST INHIBITOR TO ALL METAL SURFACES PER MANUFACTURER'S PRINTED DIRECTIONS. COORDINATE RUST INHIBITOR APPLICATION SO AS TO NOT INTERFERE WITH ADHESION OF LIQUID APPLIED COATING.
7. APPLY APPROVED SEALANT TO ALL LONGITUDINAL AND TRANSVERSE JOINTS AND TO ALL EXPOSED FASTENER HEADS.
8. APPLY LIQUID APPLIED COATING BY AIRLESS SPRAYER, APPLIED IN TWO COATS ACCORDING TO MANUFACTURER'S PRINTED DIRECTIONS AND AT THE RECOMMENDED RATE OF COVERAGE.

SEDIMENT EROSION CONTROL:

1. DISTURBED AREA IS LESS THAN 5000 SF.
2. AN EXISTING SILT FENCE PRESENTLY SURROUNDS THE PROJECT SITE.
3. AT THE BEGINNING OF THE PROJECT, CONTRACTOR SHALL INSPECT AND REPAIR THE EXISTING FENCE AS REQUIRED, AND SHALL MANTAIN IT IN GOOD WORKING ORDER FOR THE DURATION OF THE PROJECT.
4. UPON COMPLETION AND ACCEPTANCE OF ALL SITE GRADING, CONTRACTOR SHALL PROMPTLY SEED AND STRAW ALL DISTURBED AREAS.
5. UPON ESTABLISHMENT OF VEGETATIVE STABILIZATION, CONTRACTOR SHALL REMOVE AND DISPOSE OF THE SILT FENCE AND REPAIR ANY REMAINING SITE DISTURBANCES.

SUMMARY OF QUANTITIES:	BANK BARN (BASE BID)	CORN CRIB (ADD ALT #1)
BUILDING AREA	3000 SF	312 SF
FLOOR REPAIRS	371 SF	--
TOTAL ROOF AREA	4090 SF	872 SF
ROOF REPAIR AREA	70 SF	--
GUTTERS	190 LF	62 LF
DOWN SPOUTS	104 LF	20 LF
EXTERIOR PAINTED WOOD	1826 SF	1530 SF
STONE WALL REPAIR	221 SF	--
CIP CONCRETE - FOOTINGS	5.4 CY	--
CIP CONCRETE - WALLS	28.8 CY	--
CIP CONCRETE - UNDERPINNING	5.4 CY	--

NOTE:
QUANTITIES ARE APPROXIMATE - CONTRACTOR SHALL VERIFY. NO ADJUSTMENT OR COMPENSATION SHALL BE MADE DUE TO DEVIATIONS FROM THESE QUANTITIES.

PROJECT DESCRIPTION:

CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, EQUIPMENT AND SUPERVISION REQUIRED TO WEATHERIZE AND STABILIZE THE BANK BARN (BASE BID) AND CORN CRIB (ADD ALTERNATE #1) STRUCTURES AS INDICATED AND AS SUMMARIZED BELOW. APPROXIMATE QUANTITIES ARE SHOWN IN THE "SCHEDULE OF QUANTITIES" BELOW (CONTRACTOR SHALL VERIFY ALL QUANTITIES). A GENERAL DESCRIPTION OF MAJOR WORK ELEMENTS IS AS FOLLOWS:

GENERAL
- A. NOTIFY MISS UTILITY PRIOR TO ANY EXCAVATION OR UNDERGROUND WORK.
- ~~B. INSTALL AND MAINTAIN ALL REQUIRED STORMWATER MANAGEMENT AND SEDIMENT EROSION CONTROL DEVICES FOR THE DURATION OF THE PROJECT.~~
- C. REGRADE THE ADJACENT YARD TO ASSURE POSITIVE DRAINAGE (10% SLOPE) AWAY FROM THE BUILDING FOR AT LEAST 15 FT IN ALL DIRECTIONS.
- D. CLEAN UP AND REMOVE ALL DEBRIS DAILY AND MAINTAIN A SAFE, NEAT WORK AREA.
- E. PERFORM ALL WORK IN A MANNER CONSISTENT WITH CURRENT OSHA GUIDELINES AND ALL FEDERAL, STATE AND LOCAL BUILDING CODES.
- F. STORE, HANDLE AND INSTALL ALL PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS.
- G. ARRANGE TERMITE INSPECTION AND TREATMENT FOR BOTH BUILDINGS.
- H. REMOVE ALL DEBRIS FROM THE BARN AND SURROUNDING YARD AND DISPOSE OFF SITE. FLOORS SHALL BE BROOM CLEAN.
- ~~I. PROVIDE AREA LIGHTING FOR DRIVEWAY AND YARD BETWEEN CORN CRIB AND BARN (POLE OR BUILDING MOUNTED FLOODLIGHTS).~~

FOUNDATION
- J. INSTALL CIP CONCRETE BUTTRESS WALL TO STABILIZE THE EXISTING STONE FOUNDATION/RETAINING WALL AS INDICATED IN THE DRAWINGS.
- K. INSTALL HELICAL PIERS, PUSH PIERS OR OTHER FOUNDATION UNDERPINNING AS REQUIRED TO STABILIZE THE SOUTHWEST CORNER OF THE BUILDING AND CLOSE THE EXISTING CRACK.
- L. REPOINT THE CRACK IN THE WEST GABLE WALL BOTH INSIDE AND OUTSIDE.
- M. UNDERPIN THE REAR CMU WALL TO PROVIDE REQUIRED FROST PROTECTION.

INTERIOR FRAMING
- N. INSTALL NEW TIMBER MEMBERS AS REQUIRED TO REPLACE MISSING STRUCTURAL MEMBERS WHERE INDICATED ON THE DRAWINGS.
- O. PROVIDE ADDITIONAL TIMBER JOISTS AS REQUIRED TO SISTER ROTTEN JOISTS AND REGAIN BEARING ON FOUNDATION WALL WHERE INDICATED.
- P. REPLACE MISSING PLANKS OR PROVIDE PLYWOOD SHEATHING TO CLOSE ALL HOLES IN THE FLOOR AND ELIMINATE FALL HAZARDS IN UPPER LEVEL.

EXTERIOR CLOSURE
- Q. REPLACE ROTTEN OR MISSING SIDING BOARDS WITH NEW OR RECLAIMED MATERIAL.
- R. PAINT ALL EXTERIOR WOOD SURFACES WITH RED BARN PAINT.
- S. PROVIDE NEW ⅝" PRESSURE-TREATED PLYWOOD CLOSURE FOR ALL WINDOW AND DOOR OPENINGS TO PREVENT UNAUTHORIZED ACCESS TO THE BUILDING.
- T. INSTALL TEMPORARY DOOR WITH HASP AND PADLOCK WHERE INDICATED AT THE LOWER LEVEL.
- U. INFILL THE TWO BARN DOORS AT THE FRONT (UPPER) LEVEL WITH TEMPORARY FRAMING AND INSTALL ONE TEMPORARY, LOCKABLE ACCESS DOOR AS SHOWN.

ROOF SYSTEM
- Y. REPLACE THE DAMAGED/MISSING METAL ROOF WHERE INDICATED ON THE DRAWINGS WITH NEW METAL ROOFING PANELS TO MATCH THE EXISTING.
- Z. REPAIR ISOLATED HOLES IN METAL PANELS WHERE INDICATED ON THE DRAWINGS (4 PLACES) WITH NEW 24 GA GALVALUME METAL PATCHES.
- AA. INSPECT THE ENTIRE METAL ROOF FROM ABOVE TO IDENTIFY ADDITIONAL AREAS REQUIRING REPAIR PRIOR TO RECEIVING THE COATING PAINT. AREAS THUS IDENTIFIED WILL BE REVIEWED WITH THE OWNER'S REPRESENTATIVE AND ADDRESSED PER THEIR DIRECTION AS ADDITIONAL SCOPE.
- AB. RE-SECURE THE METAL PANELS AS REQUIRED AND COAT THE ENTIRE METAL ROOF WITH LIQUID APPLIED COATING AS INDICATED.
- AC. PROVIDE GALVANIZED STEEL HALF-ROUND GUTTERS ALONG ALL EAVES, WITH DOWNSPOUTS AND SPLASH BLOCKS AS INDICATED.

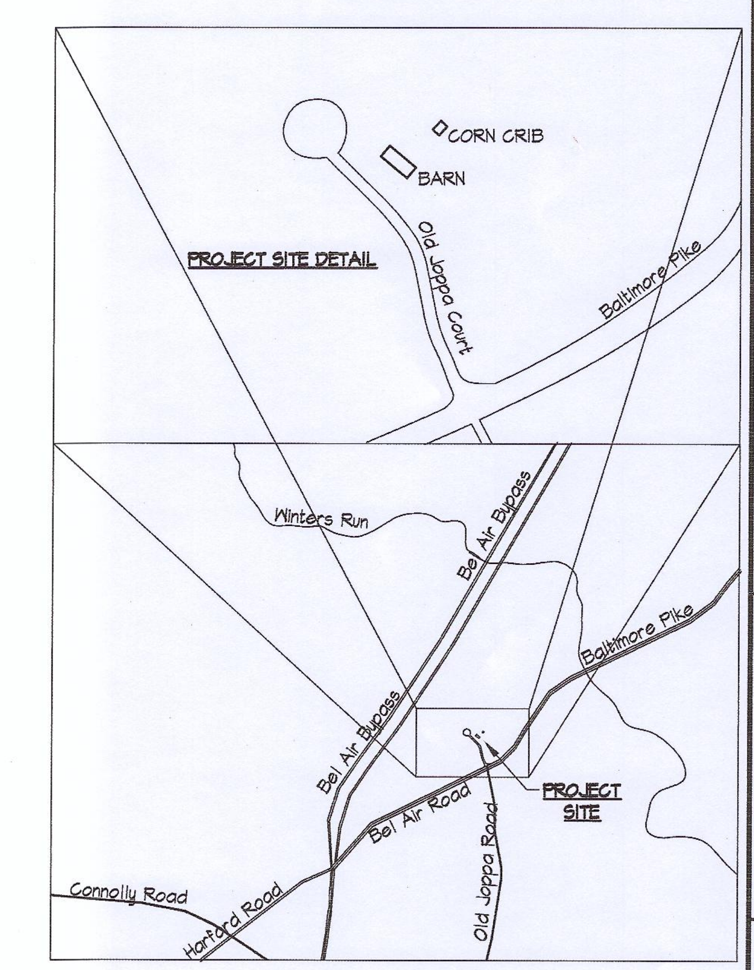
CORN CRIB (ADD ALTERNATE 1)
- AD. INSPECT, RE-SECURE AND SEAL EXISTING METAL ROOF WITH LIQUID APPLIED COATING PER SPECS.
- AE. REATTACH LOOSE SIDING BOARDS AS REQUIRED AND PAINT ALL EXTERIOR WOOD SIDING WITH RED BARN PAINT PER SPECS.
- AF. REMOVE WOOD STUMP UNDER FOUNDATION.
- AG. PROVIDE LOCKABLE HASPS WITH PADLOCKS FOR ALL DOORS.

GENERAL NOTES

1. CONTRACTOR SHALL CHECK AND VERIFY ALL CONDITIONS AT THE SITE PRIOR TO STARTING WORK AND HE SHALL FAMILIARIZE HIMSELF WITH THE INTENT OF THESE PLANS AND MAKE WORK AGREE WITH SAME. CONTRACTOR SHALL ESTABLISH THE METHODS, PROCEDURES AND SEQUENCES OF CONSTRUCTION SUBJECT TO THE COMPLIANCE WITH ALL PROJECT REQUIREMENTS.
2. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO MAINTAIN AND INSURE THE INTEGRITY OF THE STRUCTURE AT ALL STAGES OF CONSTRUCTION.
3. CONTRACTOR SHALL OBTAIN ALL REQUIRED APPROVALS, CERTIFICATE OF OCCUPANCY, INSPECTION APPROVALS, ETC. FOR WORK PERFORMED FROM AGENCIES HAVING JURISDICTION THEREOF.
4. ALL WORK SHALL CONFORM TO THE 2015 INTERNATIONAL EXISTING BUILDING CODE (IEBC) INCLUDING ALL LOCAL AMENDMENTS AND ALL OTHER RULES AND REGULATIONS OF HARFORD COUNTY.
5. SCALES NOTED ON THE DRAWINGS ARE FOR GENERAL INFORMATION ONLY. NO DIMENSIONAL INFORMATION SHALL BE OBTAINED BY DIRECT SCALING OF THE DRAWINGS.
6. DIMENSIONS & ARRANGEMENT OF EXISTING ELEMENTS ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE NOT TO BE CONSIDERED ACCURATE AT EVERY LOCATION. IF A CONDITION EXISTS WHICH DISAGREES WITH THAT INDICATED ON THESE PLANS, THE CONTRACTOR SHALL STOP WORK IN THAT AREA AND NOTIFY THE ENGINEER. SHOULD HE FAIL TO FOLLOW THIS PROCEDURE AND CONTINUE WITH THE WORK, HE SHALL ASSUME ALL RESPONSIBILITY AND LIABILITY ARISING THEREFROM.
7. ALL MATERIALS SPECIFIED ON THESE PLANS SHALL BE INSTALLED IN STRICT CONFORMANCE WITH THE MANUFACTURERS' WRITTEN INSTRUCTIONS AND ALL LOCAL BUILDING CODES. WHEN LOCAL CODES AND APPLICATION INSTRUCTIONS ARE IN CONFLICT, THE MORE STRINGENT REQUIREMENTS SHALL TAKE PRECEDENCE.
8. ALL SEALING MATERIALS SHALL BE APPROPRIATE TO THE CONSTRUCTION MATERIALS BEING SEALED. THE JOINTS AND SEALS SHALL BE SECURELY INSTALLED IN OR ON THE JOINT FOR ITS ENTIRE LENGTH SO AS NOT TO DISLODGE, LOOSEN, RUPTURE OR OTHERWISE FAIL TO RESIST THE NORMAL PRESSURES AND/OR MOVEMENTS EXPECTED UNDER NORMAL USE.
9. BIDDING SHALL BE DONE IN COMPLIANCE WITH HARFORD COUNTY STANDARD BIDDING PROCEDURES AND REQUIREMENTS.
10. SHOULD THE CONTRACTOR WISH TO SUBSTITUTE A PRODUCT OR MANUFACTURER OTHER THAN AS SPECIFIED, HE SHALL REFER TO THE PROJECT SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL REQUIRED REVISIONS TO THE PROJECT RESULTING FROM ACCEPTANCE OF PROPOSED ALTERNATIVES OR SUBSTITUTIONS.
11. CONTRACTOR SHALL SUBMIT ONE COPY OF ALL SHOP DRAWINGS AND SUBMITTAL CUT SHEETS TO OWNER'S REPRESENTATIVE, AND SHALL OBTAIN WRITTEN APPROVAL PRIOR TO ORDERING, FABRICATING OR INSTALLING THE LISTED ITEMS. CONTRACTOR SHALL ALLOW A MINIMUM OF 5 BUSINESS DAYS FOR REVIEW AND APPROVAL OF SAID SUBMITTALS. IF RE-SUBMITTALS ARE REQUIRED, THE SAME REVIEW PROCEDURE SHALL APPLY. INFORMATION TO BE SUBMITTED SHALL INCLUDE AS A MINIMUM PRODUCT DESCRIPTION, DIMENSIONAL INFORMATION AND COLOR AND TEXTURE SAMPLES. NO PRODUCTS SHALL BE INSTALLED UNTIL APPROVED THROUGH THIS SUBMITTAL PROCESS. REFER TO THE CONSTRUCTION DRAWINGS AND PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.
12. SUBMITTALS FOR THIS PROJECT SHALL INCLUDE THE FOLLOWING:
    - PROPOSED PROJECT SCHEDULE
    - CUT SHEETS FOR ROOF COATING PRODUCT
    - COLOR SAMPLES FOR ROOF COATING
    - CUT SHEETS FOR BARN PAINT
    - COLOR SAMPLES FOR BARN PAINT
    - CUT SHEETS FOR ACCESS DOORS
    - CUT SHEETS FOR METAL ROOF
    - CUT SHEETS FOR DOWN SPOUTS
    - CUT SHEETS FOR FASTENERS, NAILS, SCREWS
    - CUT SHEETS FOR WOOD
    - CONCRETE MIX DESIGN
    - REBAR PLACEMENT
13. A FINAL INSPECTION SHALL BE PERFORMED BY THE OWNER, OWNERS REPRESENTATIVE AND THE CONTRACTOR UPON SUBSTANTIAL COMPLETION OF THE WORK. ANY ITEMS INSPECTED AND FOUND UNSUITABLE SHALL BE CORRECTED BY THE CONTRACTOR IMMEDIATELY.

SHEET LIST TABLE

SHEET	DESCRIPTION
T1	TITLE PAGE & PROJECT SPECS
S1	MAIN FLOOR PLAN & FRONT ELEV
S2	ROOF & BASEMENT PLANS
S3	EXTERIOR ELEVATIONS
S4	BUILDING SECTIONS
S5	STRUCTURAL DETAILS & SECTIONS
S6	CORN CRIB ELEVATIONS & MISC



LOCATION PLAN
SCALE:

Tax Map # 48 Deed Ref. 11524/00372
Parcel # 106 Lot 1 Site Address: 1120 Baltimore Pike

OWNER/DEVELOPER:

HARFORD COUNTY
DEPARTMENT OF PARKS AND RECREATION
220 S. MAIN STREET
BEL AIR, MD 21014-3820

Angela L. Hoover 8/17/16
Owner Signature REPRESENTATIVE Date
ANGELA L. HOOVER COUNTY PROJECT MANAGER
Printed Name Title

Owner: DEPARTMENT OF PARKS AND RECREATION
HARFORD COUNTY

Project: Weatherization & Stabilization of
MOUNT SOMA BARN
Harford County Maryland Bid # 17-015

Revisions

No.	Description	Date
0	Issued For Permit	7-21-16

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Seal
PETER McCONAUGHY — STATE OF MARYLAND — PROFESSIONAL ENGINEER

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NUMBER 17795, EXPIRATION DATE 5/13/2018.

Proj. No.	15449
Last Rev:	7-21-16
Scale:	As Noted
DES/DRFT:	PFM / mlm
Title:	TITLE PAGE & PROJECT SPECS
Sheet:	T1
Dwg:	Of

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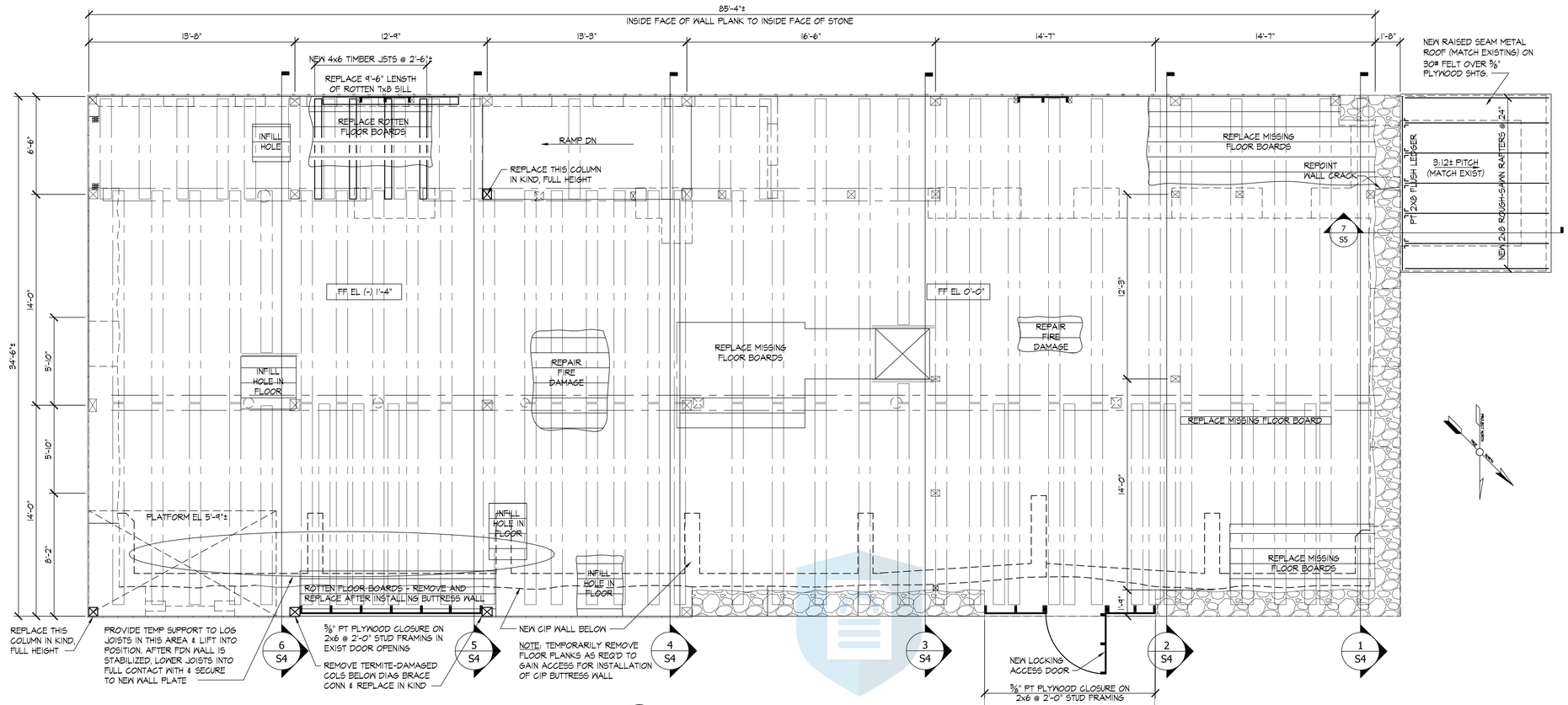

1 / S1 EXISTING UPPER LEVEL PLAN
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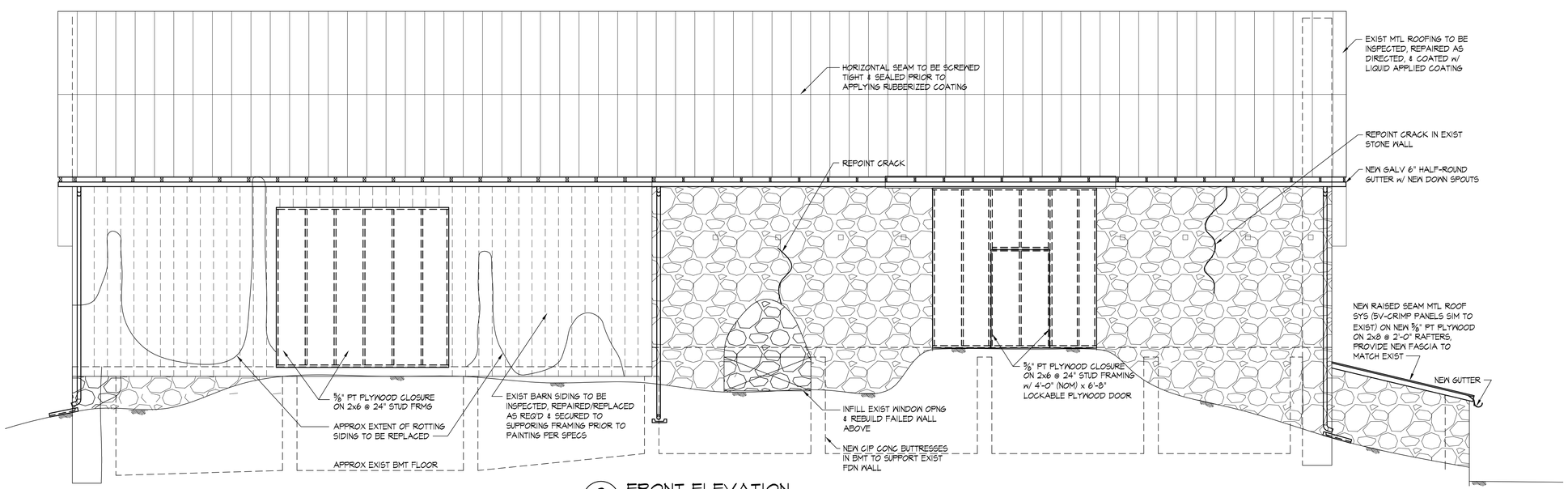

2 / S1 FRONT ELEVATION
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Proj. No.	15449
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Title: MAIN FLOOR PLAN & FRONT ELEV

Sheet: S1

Dwg: 01

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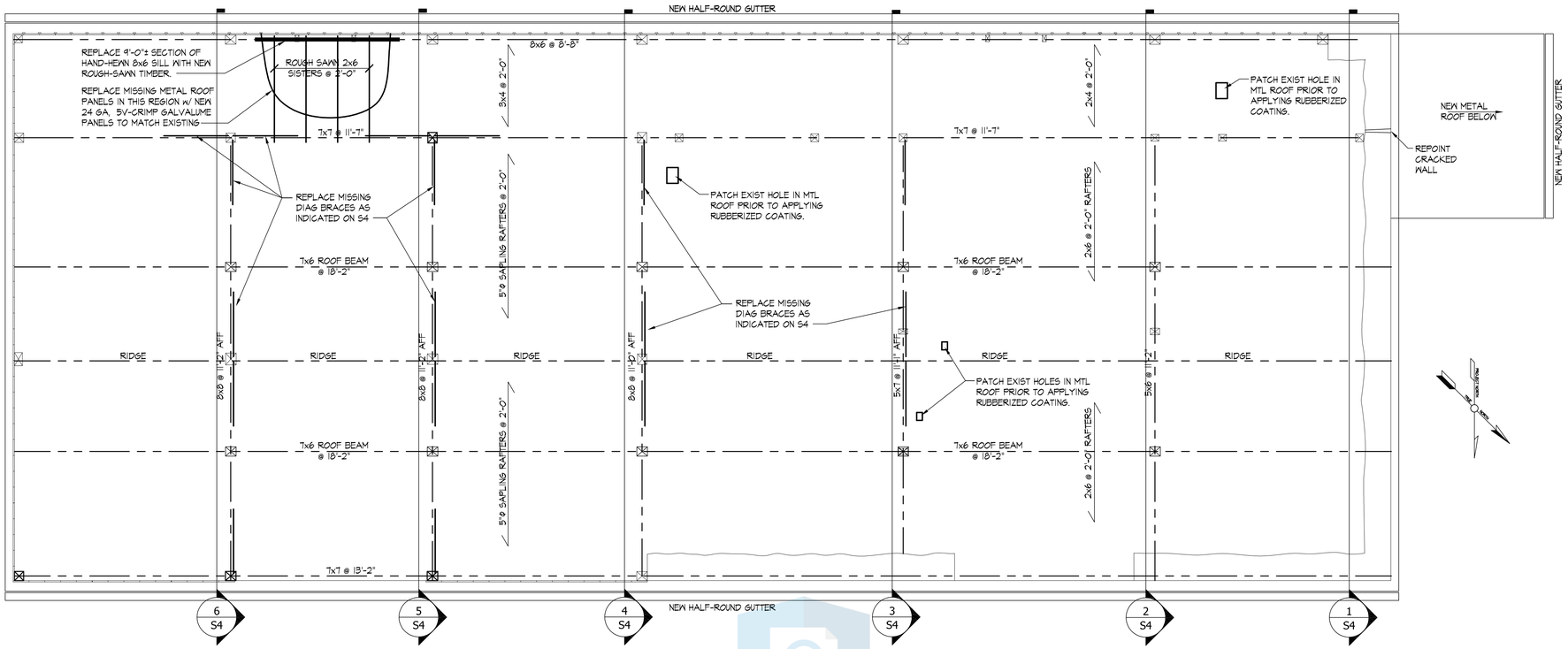

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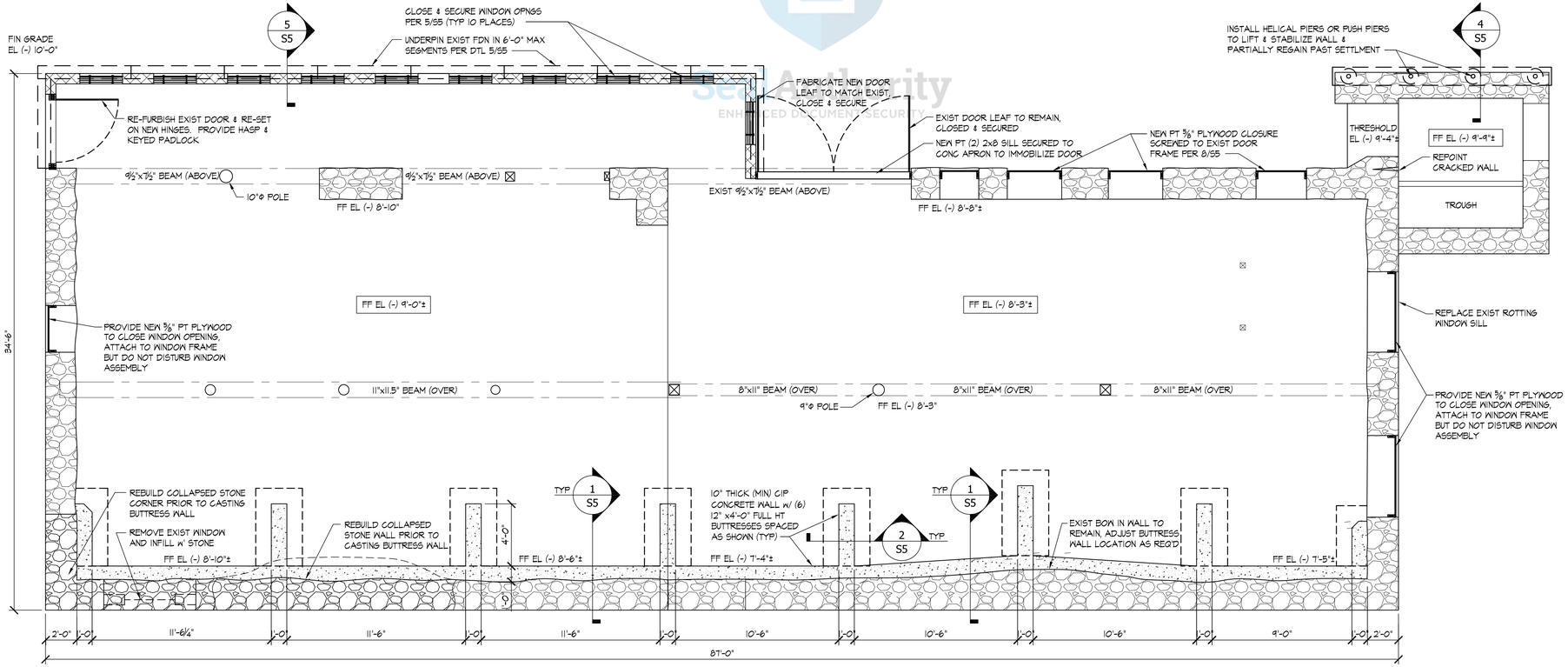

2 S2 EXISTING LOWER LEVEL PLAN
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Proj. No.	15449
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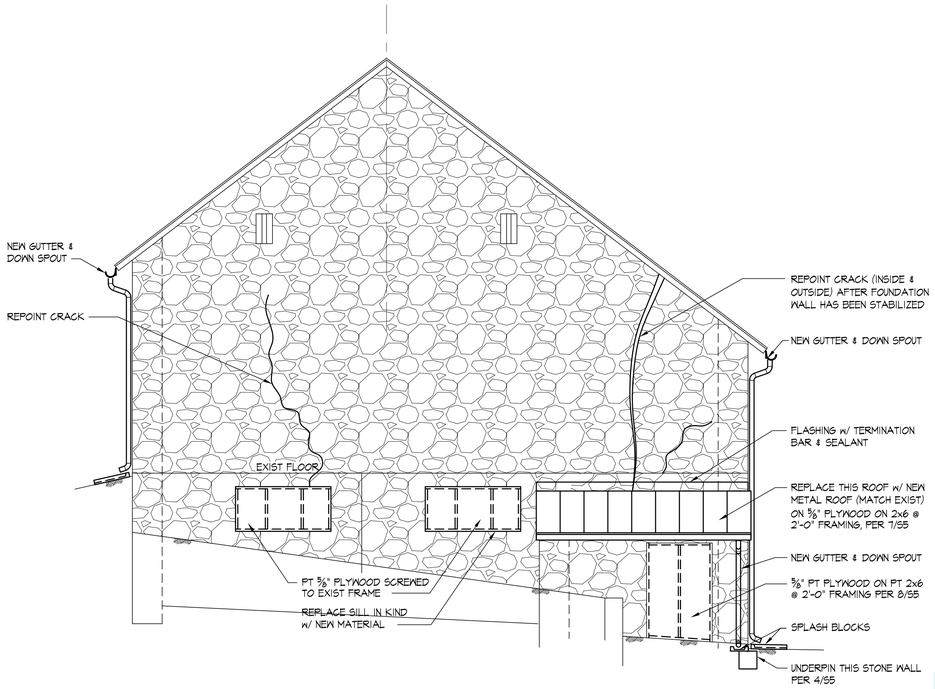
Title: ROOF & BASEMENT PLANS

Sheet: S2

Dwg: 01



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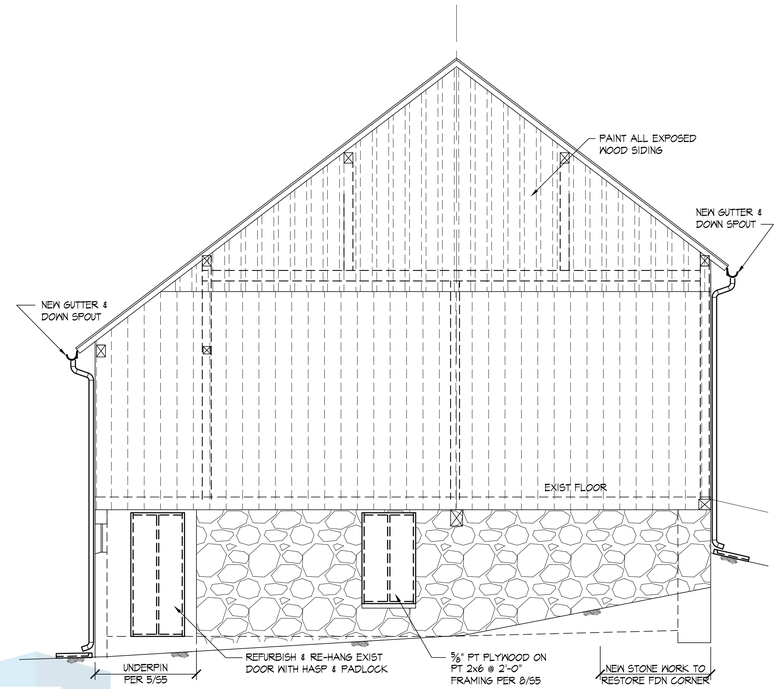

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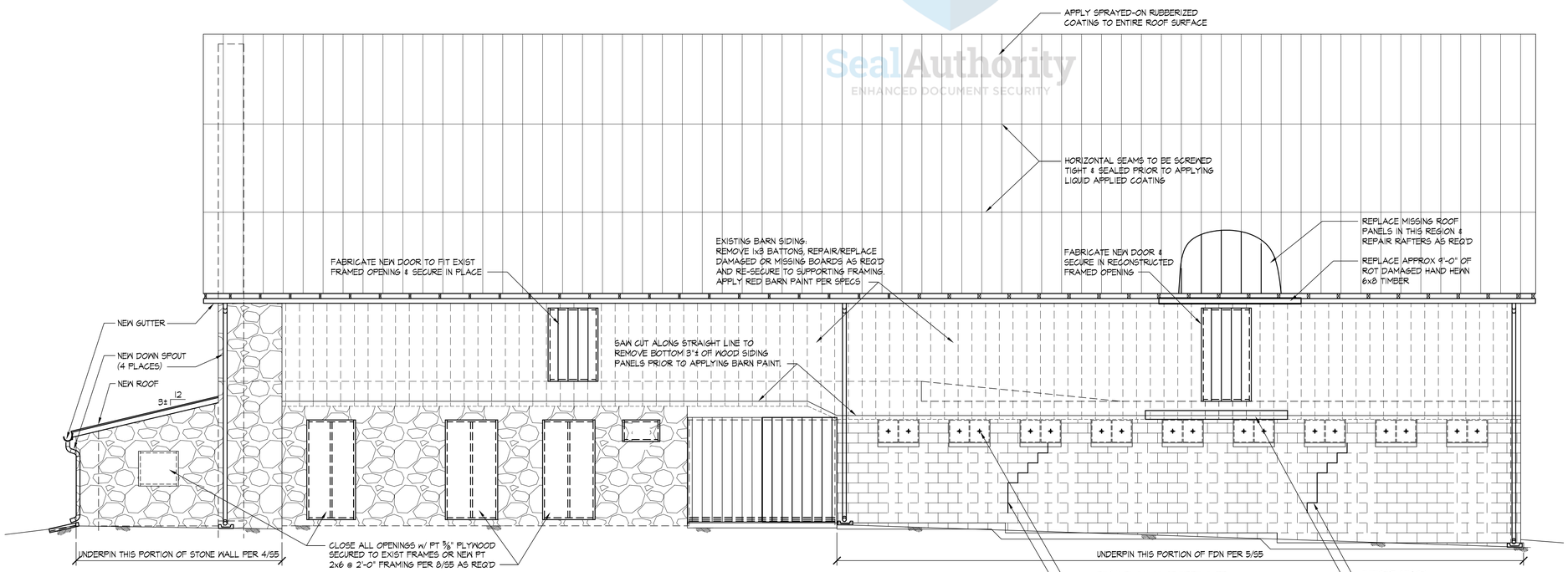

1 / S3 REAR ELEVATION
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Sheet: S3

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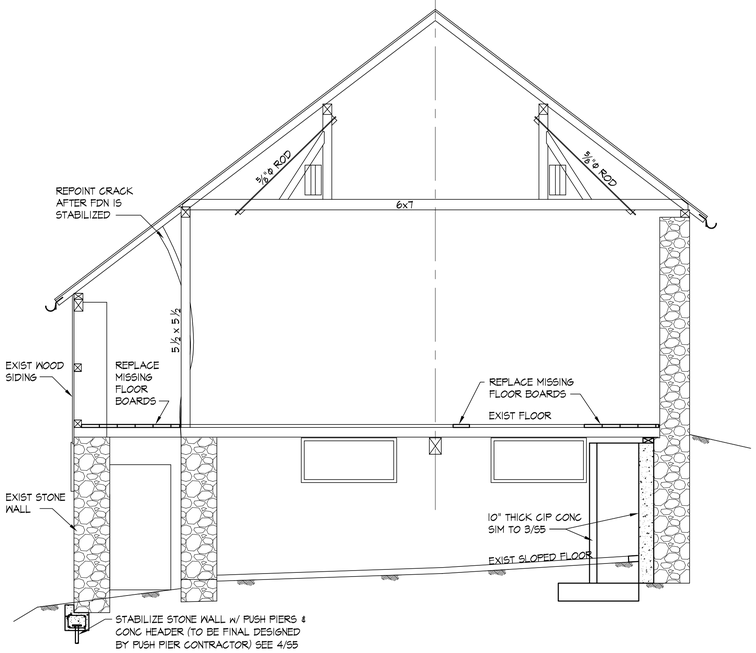

1 / S4 SECTION @ ORIGINAL BARN
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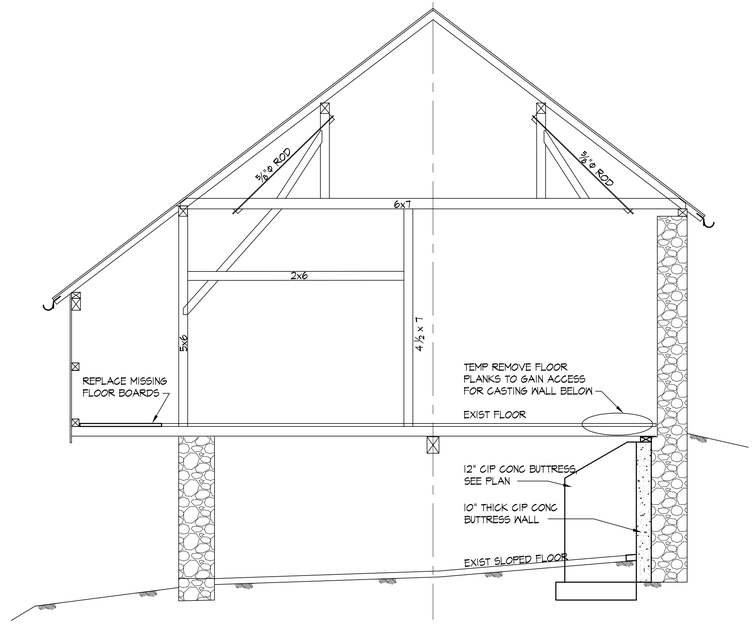
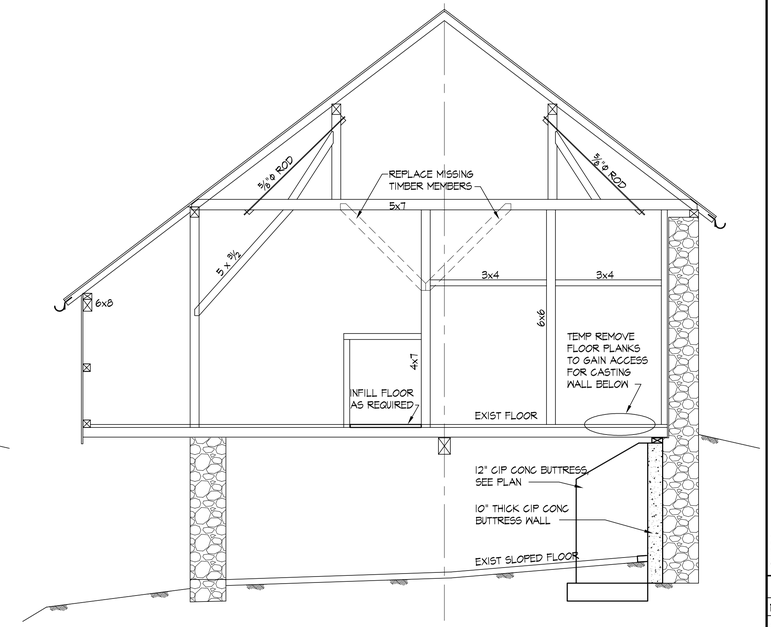
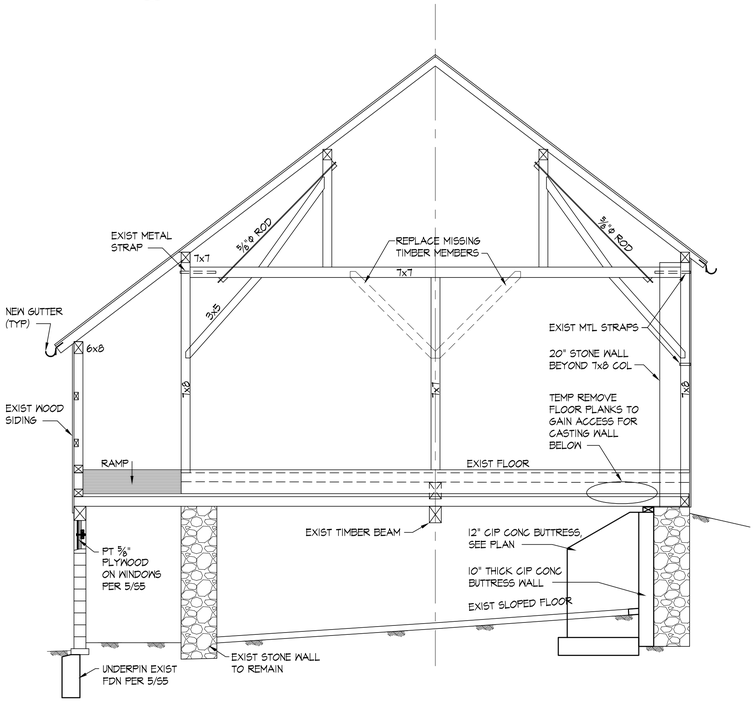


2 / S4 SECTION @ ORIGINAL BARN
SCALE: 1/4" = 1'-0"

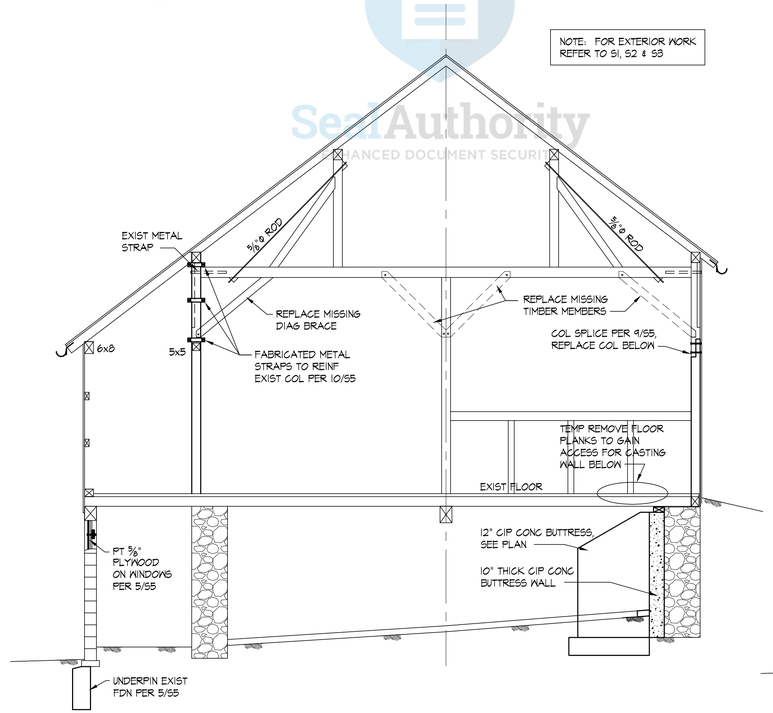


3 / S4 SECTION @ ORIGINAL BARN
SCALE: 1/4" = 1'-0"

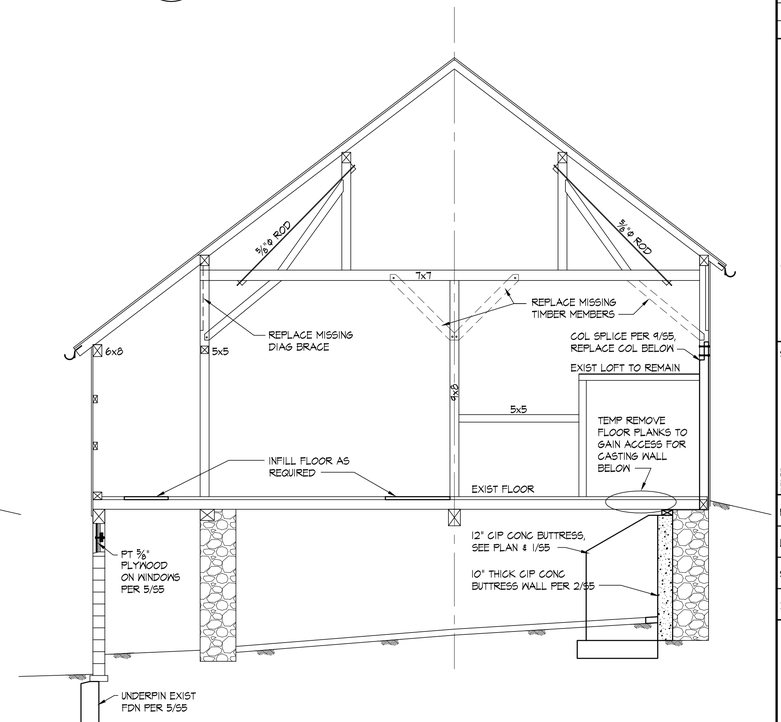
NOTE: FOR EXTERIOR WORK REFER TO S1, S2 & S3



4 / S4 SECTION @ BARN ADDITION
SCALE: 1/4" = 1'-0"



5 / S4 SECTION @ BARN ADDITION
SCALE: 1/4" = 1'-0"



6 / S4 SECTION @ BARN ADDITION
SCALE: 1/4" = 1'-0"

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Owner: DEPARTMENT OF PARKS AND RECREATION
HARFORD COUNTY

Project: Weatherization & Stabilization of MOUNT SOMA BARN
Harford County Maryland Bid # 17-015

Revisions

No.	Description	Date
0	Issued For Permit	7-21-16

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PROFESSIONAL CERTIFICATION
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LICENSE NUMBER: 17795 EXPIRATION DATE: 5/9/2018.

Proj. No.	15449
Last Rev:	7-21-16
Scale:	As Noted
DES/DRFT:	PFM / mlm

Title: BUILDING SECTIONS

Sheet: S4

Dwg: 01

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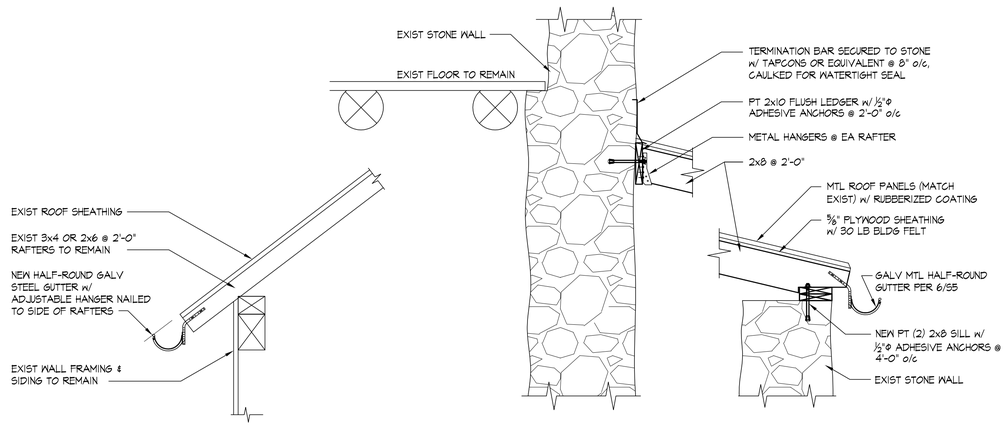
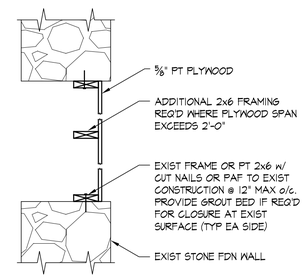
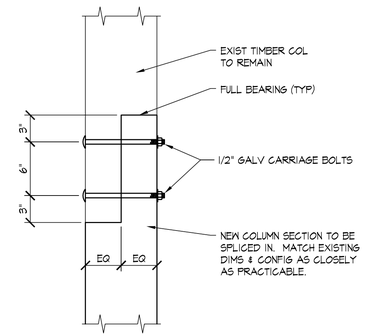


6 / S5 TYP EAVE DETAIL
SCALE: 3/4" = 1'-0"

7 / S5 LOW ROOF REPLACEMENT
SCALE: 3/4" = 1'-0"



8 / S5 TYPICAL BOARDING DTL
SCALE: 3/4" = 1'-0"



9 / S5 TYPICAL COLUMN SPLICE DTL
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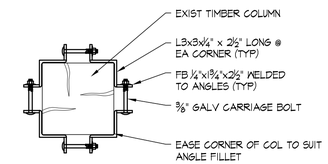

10 / S5 TYP COL REINFORCING STRAP
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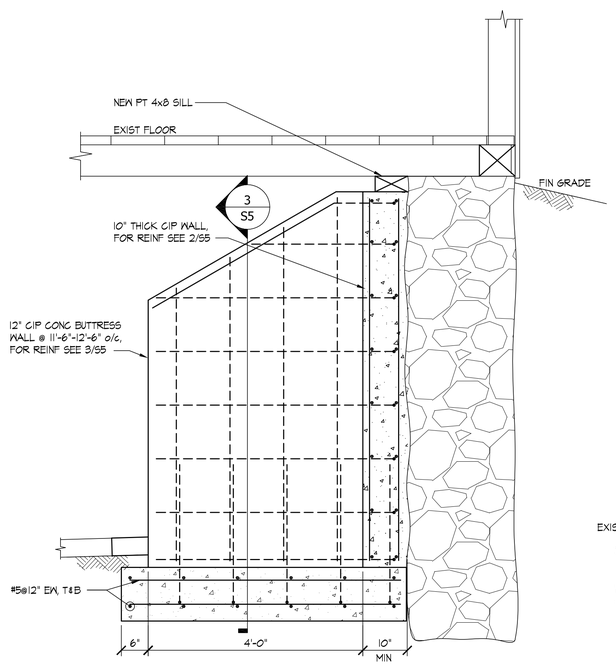
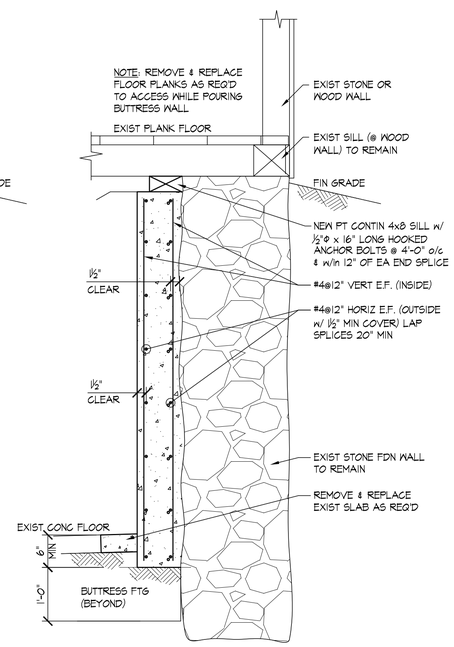
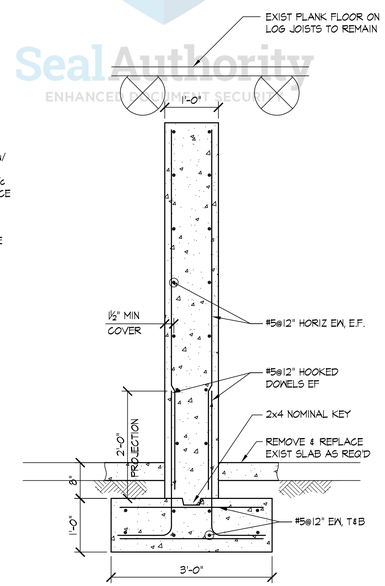


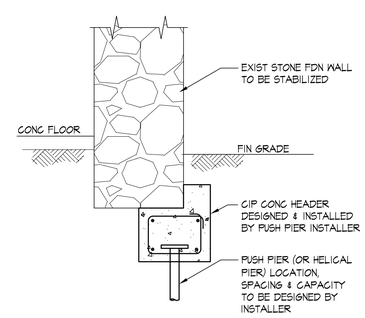
1 / S5 BUTTRESS WALL SECTION
SCALE: 3/4" = 1'-0"



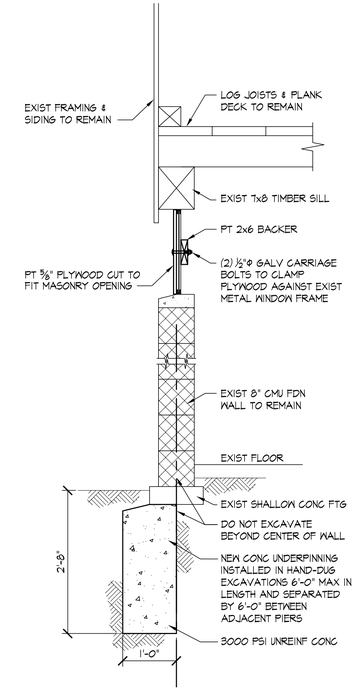
2 / S5 BUTTRESS WALL DETAIL
SCALE: 3/4" = 1'-0"



3 / S5 BUTTRESS SECTION
SCALE: 3/4" = 1'-0"



4 / S5 UNDERPIN STONE WALL
SCALE: 3/4" = 1'-0"



5 / S5 UNDERPIN MASONRY WALL
SCALE: 3/4" = 1'-0"

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Proj. No.	15449
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Title: STRUCTURAL DETAILS & SECTIONS

Sheet: S5

Dwg: 01

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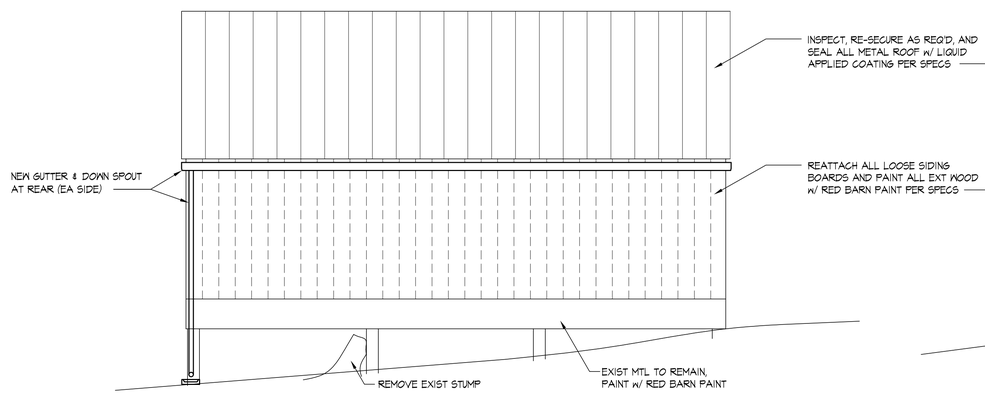
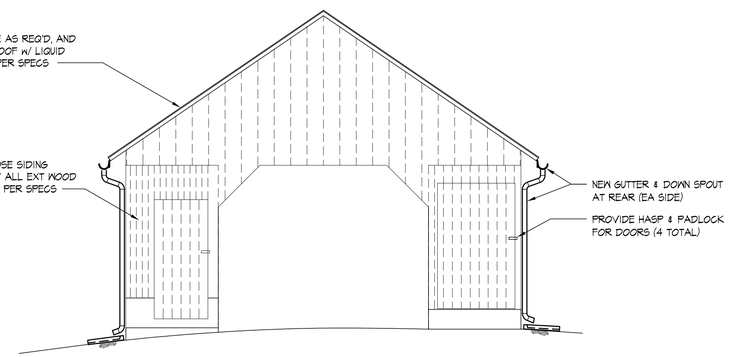


1 / S6 CORN CRIB LEFT SIDE ELEVATION
SCALE: 1/4" = 1'-0"



2 / S6 CORN CRIB FRONT ELEVATION
SCALE: 1/4" = 1'-0"

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Proj. No.	15449
Last Rev:	7-21-16
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DES/DRFT:	PFM / mlm

Title: CORN CRIB ELEVATIONS & MISC

Sheet: S6

Dwg: Of

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