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MISSOURI DEPARTMENT  
OF TRANSPORTATION

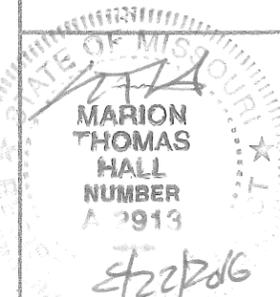
PERRYVILLE MAINTENANCE BUILDING  
REROOF

CODE REQUIREMENTS

- BUILDING CODE - CURRENT IBC
- PLUMBING CODE - CURRENT IBC

PERRY COUNTY

SOUTHEAST DISTRICT - PERRYVILLE, MO 63775  
754 LAKE DRIVE

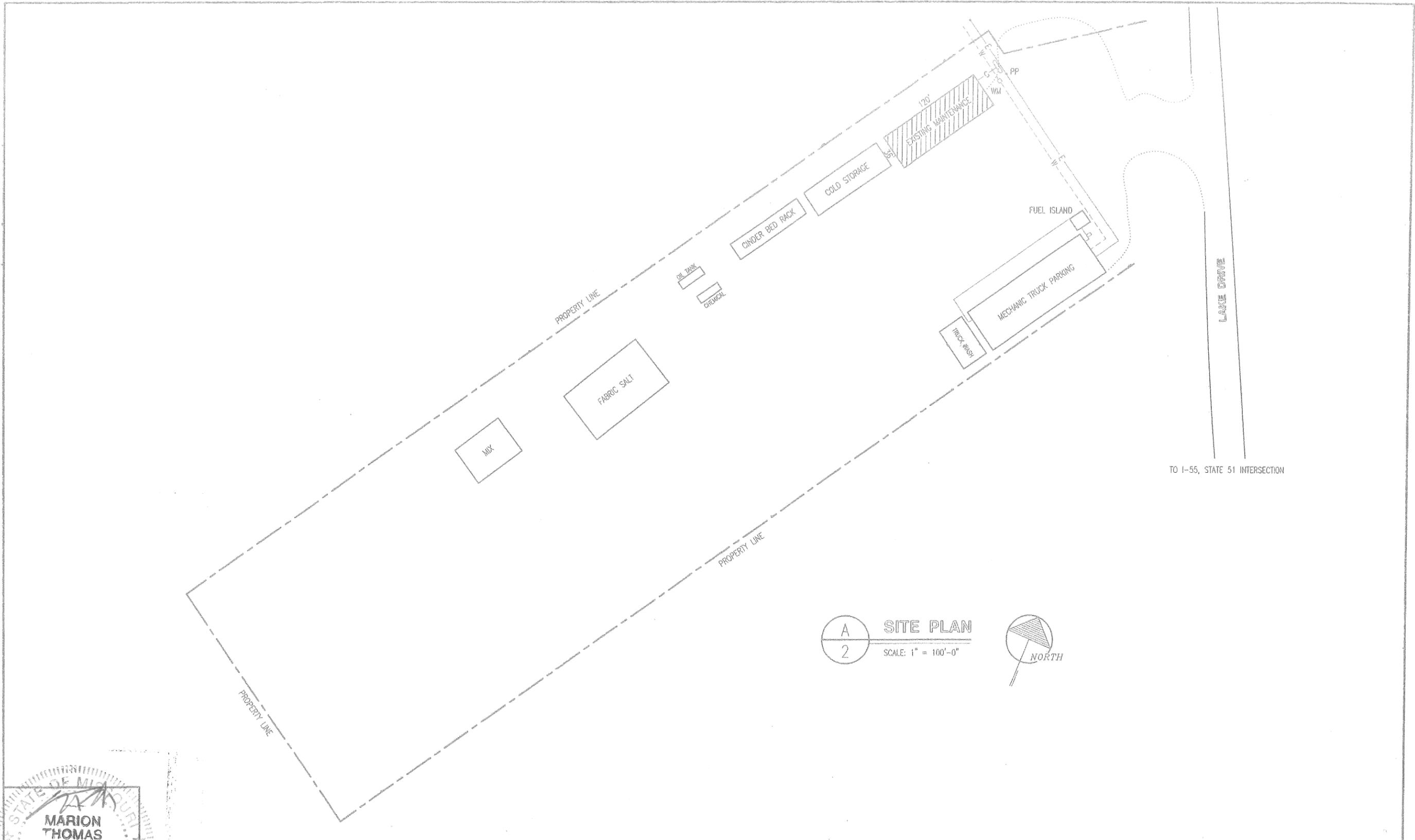


COVER SHEET

MISSOURI DEPARTMENT  
OF TRANSPORTATION  
DIVISION OF GENERAL SERVICES  
FACILITIES MANAGEMENT

Perryville Maintenance Building Reroof  
Southeast District - Perry County  
754 Lake Drive, Perryville, MO 63775

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DATE: 8-22-16  
Sheet  
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TO I-55, STATE 51 INTERSECTION

A  
2

SITE PLAN  
SCALE: 1" = 100'-0"



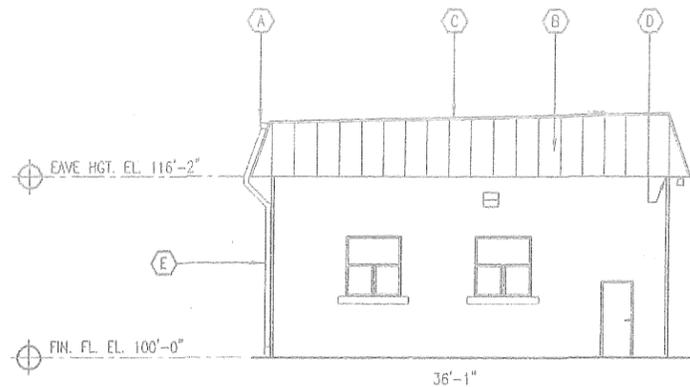
REGISTERED PROFESSIONAL ENGINEER  
STATE OF MISSOURI  
MARION THOMAS  
HALL  
NUMBER A 2913  
8/22/2016

SITE PLAN

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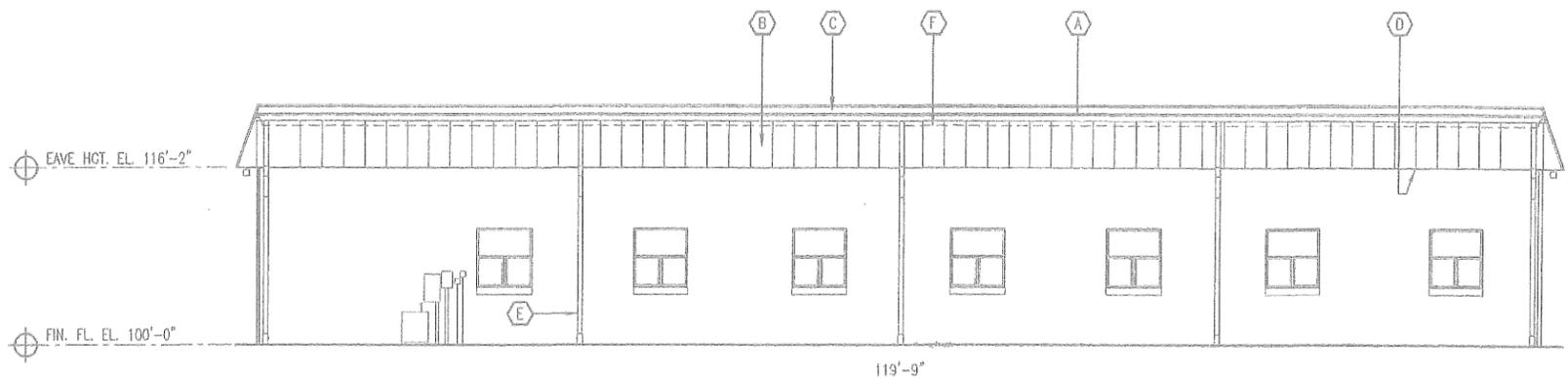
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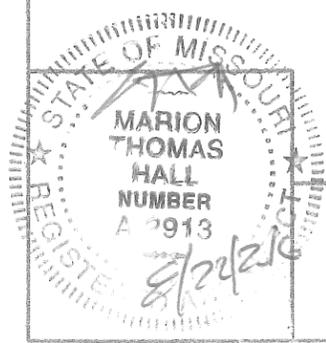
**B**  
3 SOUTH ELEVATION  
SCALE: 1/16" = 1'-0"

**CONTRACTOR NOTES:**

- (A) NEW ALUMINUM GUTTER AT TOP OF EXTENDED MANSARD ROOF. SECURELY ATTACH AS REQUIRED. BACK-PAINTED NEXT TO STEEL ROOFING.
- (B) REMOVE EXISTING SHINGLES & FELT PAPER DOWN TO THE EXISTING ROOF SHEATHING. DISCARD ALL THE DEBRIS OFF-SITE. EXTEND 3/4" PLYWOOD ROOF SHEATHING TO MATCH EXISTING MANSARD SLOPE. CONTRACTOR TO HAVE IN BASE BID THE REMOVAL & INSTALLATION OF TWENTY (20) 4 x 8 SHEETS OF 3/4" TREATED PLYWOOD SHEATHING (ASSUMED DAMAGED) ON THE MANSARD PORTIONS OF ROOF. INSTALL 30 LB FELT PAPER OVER ALL THE MANSARD SHEATHING. INSTALL 26 GA. PREFINISHED METAL SHEET ROOFING ON 2 x 4 HAILERS @ 24" O.C.
- (C) ALL OF THE EXISTING SINGLE-PLY MEMBRANE ON FLAT PORTION OF ROOF TO REMAIN. SEE ROOF SECTION FOR NEW CONSTRUCTION.
- (D) INSTALL NEW 26 GA. PREFINISHED DRIP EDGE AT ROOF EDGE. EXISTING SOFFIT TO REMAIN. PROTECT DURING CONSTRUCTION.
- (E) PROVIDE AND INSTALL FIVE (5) NEW ALUMINUM DOWNSPOUTS. MATCH EXISTING SIZE. ROUTE INTO EXISTING CORRUGATED BLACK STORM DRAIN(S) AS REQUIRED. BACK-PAINT AS REQUIRED DUE TO PREFINISHED ALUMINUM IS IN CONTACT WITH PREFINISHED STEEL.
- (F) TOP OF EXISTING MANSARD ROOF DRIP EDGE SHOWN DASHED. ENTIRE ROOF SLOPES TOWARDS THE BACK OF THE BUILDING.



**A**  
3 WEST ELEVATION  
SCALE: 1/16" = 1'-0"



**SOUTH & WEST ELEVATIONS**

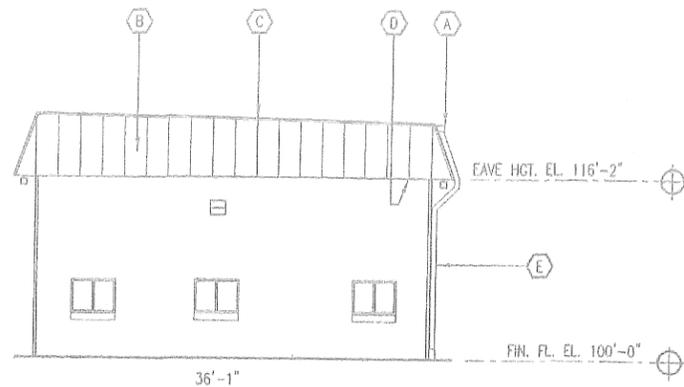
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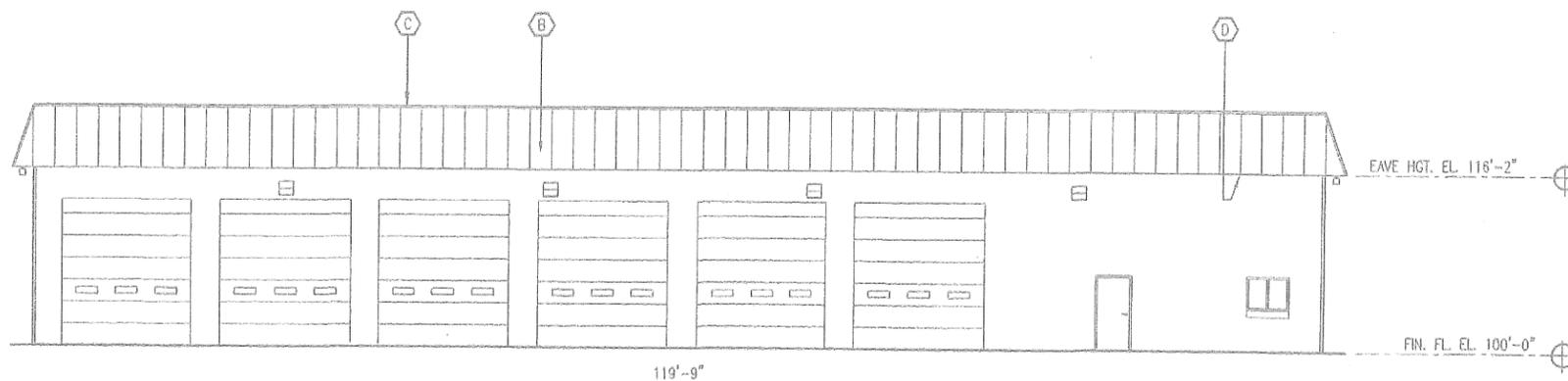
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CONTRACTOR NOTES:

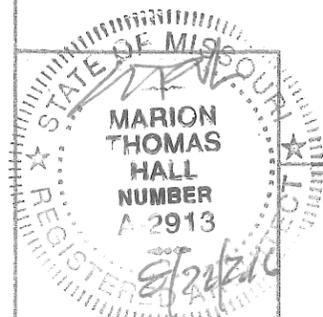
- (A) NEW ALUMINUM GUTTER AT TOP OF EXTENDED MANSARD ROOF. SECURELY ATTACH AS REQUIRED. BACK-PAINTED NEXT TO STEEL ROOFING.
- (B) REMOVE EXISTING SHINGLES & FELT PAPER DOWN TO THE EXISTING ROOF SHEATHING. DISCARD ALL THE DEBRIS OFF-SITE. EXTEND 3/4" PLYWOOD ROOF SHEATHING TO MATCH EXISTING MANSARD SLOPE. CONTRACTOR TO HAVE IN BASE BID THE REMOVAL & INSTALLATION OF TWENTY (20) 4 x 8 SHEETS OF 3/4" TREATED PLYWOOD SHEATHING [ASSUMED DAMAGED] ON THE MANSARD PORTIONS OF ROOF. INSTALL 30 LB FELT PAPER OVER ALL THE MANSARD SHEATHING. INSTALL 26 GA. PREFINISHED METAL SHEET ROOFING ON 2 x 4 NAILERS @ 24" O.C.
- (C) ALL OF THE EXISTING SINGLE-PLY MEMBRANE ON FLAT PORTION OF ROOF TO REMAIN. SEE ROOF SECTION FOR NEW CONSTRUCTION.
- (D) INSTALL NEW 26 GA. PREFINISHED DRIP EDGE AT ROOF EDGE. EXISTING SOFFIT TO REMAIN. PROTECT DURING CONSTRUCTION.
- (E) PROVIDE AND INSTALL FIVE (5) NEW ALUMINUM DOWNSPOUTS. MATCH EXISTING SIZE. ROUTE INTO EXISTING CORRUGATED BLACK STORM DRAIN(S) AS REQUIRED. BACK-PAINT AS REQUIRED DUE TO PREFINISHED ALUMINUM IS IN CONTACT WITH PREFINISHED STEEL.



**B** NORTH ELEVATION  
4 SCALE: 1/16" = 1'-0"



**A** EAST ELEVATION  
4 SCALE: 1/16" = 1'-0"



NORTH & EAST ELEVATIONS

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CONTINUOUS 2 x 4's @ 24" O.C. ATTACHED AS REQUIRED ALONG TOP OF 2 x 10's.

26 GA. PREFINISHED STEEL METAL ROOFING.

5" x 3-1/2" PREFINISHED STEEL EDGE TRIM OVER ROOF BLOCKING THEN OVER MANSARD METAL PANEL. ADD FOAM CLOSURE AT ROOF EDGE. (TYPICAL.)

PROVIDE NEW EXTERIOR SHEATHING ON ALL SIDES OF THE ROOF'S EXTENSION TO MATCH EXISTING WITH BLOCKING AS REQUIRED.

REMOVE EXISTING SHINGLES AND FELT PAPER. DISCARD OFF-SITE. ATTACH CONTINUOUS 2 x 4 BLOCKING AS SHOWN @ 24" O.C. ON NEW 30 LB. FELT PAPER ON EXISTING SHEATHING.

26 GA. PREFINISHED STEEL METAL ROOFING. EXTEND 3/4" PAST SOFFIT EDGE. (TYPICAL.)

PREFINISHED ALUMINUM GUTTERS AND DOWNSPOUTS, BACK-PAINTED NEXT TO STEEL ROOFING.

FOAM CLOSURE WITH PREFINISHED RAT GUARD DRIP TRIM AT EDGE.

EXISTING SOFFIT TO REMAIN.

GENERAL CONTRACTOR NOTE:  
CONTRACTOR TO HAVE IN BASE BID THE REMOVAL & INSTALLATION OF TWENTY (20) 4 x 8 SHEETS OF 3/4" TREATED PLYWOOD SHEATHING [ASSUMED DAMAGED] ON THE MANSARD PORTIONS OF ROOF.

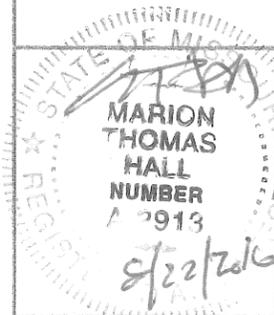
CONTINUOUS 2 x 4's @ 48" O.C. ATTACHED WITH 8" DECK SCREWS ONTO EXISTING WOOD RAFTERS BELOW (VERIFY LOCATION) AND THROUGH EXISTING EPDM ROOFING TO REMAIN.

SLOPE

2 x 10's @ 4'-0" O.C.

EXISTING CONDITION TO REMAIN

A ROOF DETAIL  
5 SCALE: 1/2" = 1'-0"



# ROOF DETAIL

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A  
5

CONTINUOUS 2 x 4's @ 48" O.C. ATTACHED WITH 8" DECK SCREWS ONTO EXISTING WOOD RAFTERS BELOW AND THROUGH EXISTING EPDM ROOFING TO REMAIN.

GENERAL CONTRACTOR NOTE: MODOT WILL REMOVE AND RELOCATE TWO (2) EXISTING ANTENNA ON ROOF. FIVE EXISTING ROOF DRAINS ON LOWER SIDE OF ROOF TO REMAIN.

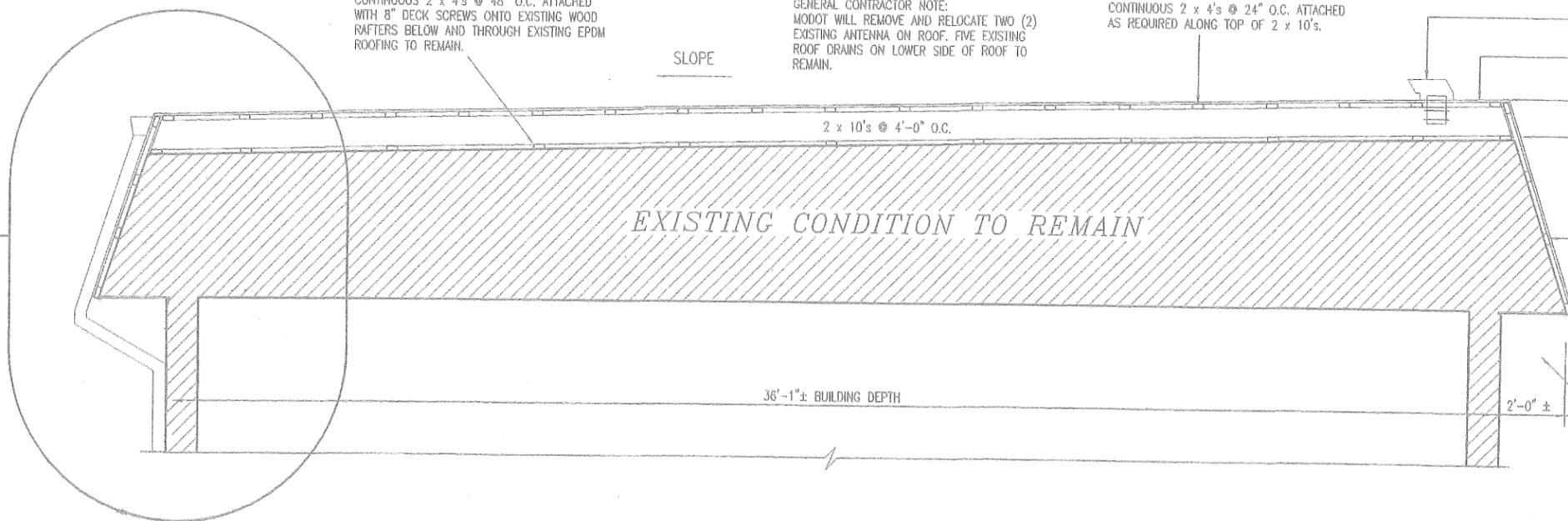
CONTINUOUS 2 x 4's @ 24" O.C. ATTACHED AS REQUIRED ALONG TOP OF 2 x 10's.

PROVIDE & INSTALL TEN GRANGER MODEL #4YG79, BRONZ ROOF CAPS. PROVIDE 6" PVC INTO PLENUM SPACE BETWEEN EPDM ROOF AND NEW SLOPING METAL ROOF. MASTIC AND FLASHING AS REQUIRED. ROOF CAPS TO BE INSTALLED APPROXIMATELY 12'-0" APART AND LOCATED 18" TO THE WEST FROM TOP OF EAST ELEVATION MANSARD EDGE. PVC ATTACHED TO SIDE OF 2 x 10 WITH (2) U-CLAMPS.

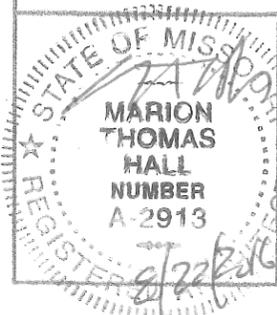
26 GA. PREFINISHED WITH CONDENSATION CONTROL ROOF PANELS.  
26 GA. PREFINISHED STEEL EDGE TRIM AS REQUIRED.

REMOVE EXISTING SHINGLES AND FELT PAPER. DISCARD OFF-SITE. ATTACH CONTINUOUS 2 x 4 BLOCKING AS SHOWN @ 24" O.C. ON NEW 30 LB. FELT PAPER ON EXISTING SHEATHING. CONTRACTOR TO HAVE IN BASE BID THE REMOVAL & INSTALLATION OF TWENTY (20) 4 x 8 SHEETS OF 3/4" TREATED PLYWOOD SHEATHING [ASSUMED DAMAGED] ON THE MANSARD PORTIONS OF ROOF.

EXISTING SOFFIT ALL SIDES TO REMAIN.



A  
6 ROOF SECTION  
SCALE: 1/4" = 1'-0"



# ROOF SECTION

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