

REPLACE ROOFS - FOOD SERVICE / DINING BUILDING No. 12 BOONVILLE CORRECTIONAL CENTER BOONVILLE, MISSOURI



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OWNER: STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR
DEPARTMENT OF CORRECTIONS

DESIGNER: CONNELL ARCHITECTURE, P.C.
2311 EAST WALNUT STREET SUITE B
COLUMBIA, MISSOURI 65201
PROJECT NUMBER: C1905-01

PROJECT
MANAGEMENT: OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

SITE NUMBER: 7002
ASSET NUMBER: 9327002023



BRIAN DOUGLAS CONNELL ARCHITECT MO# A-5036

ARCHITECTURAL CORPORATION
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DINING BUILDING No. 12

**BOONVILLE
CORRECTIONAL CENTER**

1216 E MORGAN ST,
BOONVILLE, MO 65233

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DRAWN BY: DLV
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SHEET TITLE:

LOCATION MAPS &
DRAWING INDEX

SHEET NUMBER:

G-001

GENERAL NOTES:

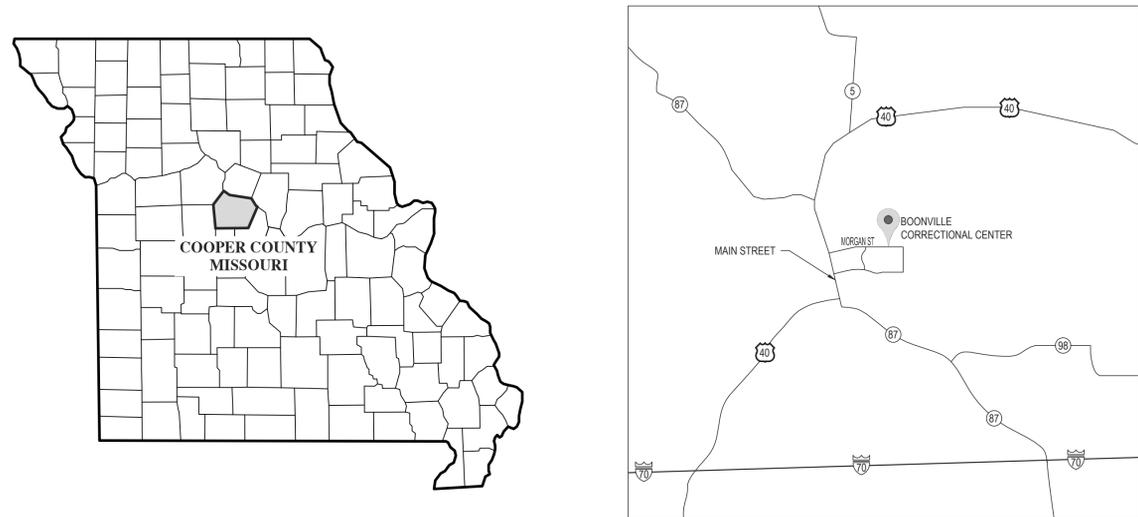
- REVIEW THE CONTRACT DOCUMENTS** - IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND EACH SUBCONTRACTOR TO REVIEW THE DRAWINGS TO ASSURE COORDINATION OF ALL WORK AFFECTING EACH TRADE. FAILURE TO REVIEW ALL CONTRACT DOCUMENTS FOR APPLICABLE ITEMS OF WORK SHALL NOT RELIEVE THE RESPONSIBLE PARTY FROM PERFORMING ALL WORK REQUIRED BY THE CONTRACT DOCUMENTS.
- DRAWINGS** - THESE DRAWINGS SHALL NOT BE SCALED. REFER TO DIMENSIONS INDICATED, ACTUAL SIZES OF CONSTRUCTION ITEMS, OR OTHER METHODS OF LOCATING OR SIZING CONSTRUCTION. WHERE NO DIMENSION OR METHOD OF DETERMINING A LOCATION OR SIZE OF ANY ITEM IS GIVEN, THE CONTRACTOR SHALL VERIFY THE CORRECT LOCATION OR SIZE OF ANY ITEM WITH CONNELL ARCHITECTURE P.C. PRIOR TO INSTALLATION.
- DIMENSIONS** - DIMENSIONS ON PLANS ARE MEASURED FROM FACE OF CONCRETE, MASONRY, OR FRAMING UNLESS OTHERWISE NOTED. DIMENSIONS INDICATED AS "CLEAR" SHALL BE A MINIMUM DIMENSION MEASURED FROM THE FACE OF FINISH MATERIALS (WHERE CLEARANCES ARE CRITICAL).
- COORDINATION** - THE CONTRACTOR SHALL COORDINATE REQUIREMENTS OF ALL TRADES TO ALLOW FOR TIMELY INCLUSION IN THE WORK SO AS NOT TO DELAY THE WORK OR THE WORK OF ANY SUBCONTRACTOR.
- EXISTING CONDITIONS** - THE EXISTING CONDITIONS SHOWN ON THESE DRAWINGS ARE DERIVED FROM OBSERVATIONS AND MEASUREMENTS TAKEN DURING SITE VISITS AND FROM ARCHIVE INFORMATION PROVIDED BY THE OWNER. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS ON THE JOB SITE, AND NOTIFY CONNELL ARCHITECTURE P.C. OF DEVIATIONS FROM THESE DRAWINGS PRIOR TO FABRICATION AND INSTALLATION OF THE WORK.
- PRECAUTIONS** - THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION ADMINISTRATOR AND CONNELL ARCHITECTURE P.C. IMMEDIATELY UPON DISCOVERY OF ANY UNFORESEEN CONDITIONS WHICH COULD RESULT IN DAMAGE TO THE STRUCTURE OR INJURY TO ITS OCCUPANTS. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROPERLY SUPPORT THE STRUCTURE AND PROTECT THE OCCUPANTS.
- HAZARDOUS MATERIALS** - THE CONTRACTOR SHALL IMMEDIATELY REPORT THE DISCOVERY OF ANY HAZARDOUS MATERIALS TO THE CONSTRUCTION ADMINISTRATOR AND CONNELL ARCHITECTURE, P.C.
- SITE USAGE** - THE CONTRACTOR'S USE OF THE SITE FOR ANY CONSTRUCTION STAGING OR OTHER OPERATIONS SHALL BE COORDINATED WITH THE OWNER AND CONSTRUCTION ADMINISTRATOR. THE CONTRACTOR'S OPERATIONS SHALL NOT OBSTRUCT OR ADVERSELY AFFECT ANY PUBLIC RIGHT-OF-WAY OR ADJACENT OWNER-OCCUPIED AREAS.
- EXIT ACCESS** - THE CONTRACTOR SHALL AT ALL TIMES DURING THE CONSTRUCTION PERIOD MAINTAIN UNOBSTRUCTED, SAFE, AND APPROVED MEANS OF EGRESS IN AND OUT OF PROJECT LOCATION AND EXISTING OCCUPIED BUILDINGS IN ACCORDANCE WITH REQUIREMENTS OF APPLICABLE REGULATORY AGENCIES.
- EXISTING MATERIALS:** ANY AND ALL MATERIALS NOTED "TO REMAIN" ARE EXISTING MATERIALS TO REMAIN A PART OF THE WORK UNLESS OTHERWISE NOTED. ANY MATERIAL NOT DESIGNATED "TO REMAIN" SHALL BE REMOVED AND DISPOSED OF IN A LEGAL MANNER, AND REPLACED WITH NEW MATERIALS UNLESS OTHERWISE NOTED.

ROOF REPLACEMENT NOTES:

- ROOF SLOPE: THE MINIMUM SLOPE ON ANY ROOF PLANE (INCLUDING SADDLES AND CRICKETS) SHALL BE 1/4" PER FOOT.
- THERMAL PERFORMANCE: THE MINIMUM AVERAGE R-VALUE FOR ANY ROOF AREA ON THIS PROJECT SHALL BE R-8.
- ROOF WARRANTY: THE NEW METAL PANEL ROOF SYSTEM AND TPO MEMBRANE WALL FLASHING SYSTEMS SHALL BE DESIGNED AND INSTALLED IN A MANNER SUCH THAT THE OWNER MAY ELECT TO PURCHASE A 20-YEAR ROOFING SYSTEM WARRANTY AS AN ALTERNATE TO THE 15-YEAR WARRANTY INCLUDED IN THE BASE BID WITHOUT CHANGE TO THE DESIGN CRITERIA.

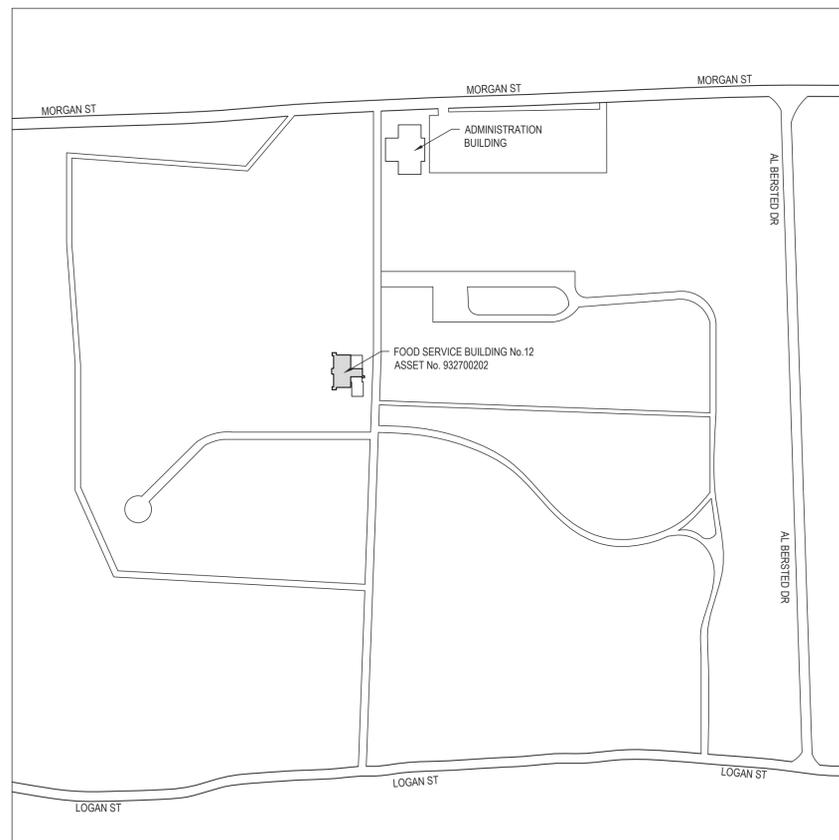
DRAWING SHEET INDEX:

| | |
|--------|-------------------------------|
| G-000 | COVER PAGE |
| G-001 | LOCATION MAPS & DRAWING INDEX |
| AD-100 | ROOF DEMOLITION PLAN |
| A-100 | ROOF REPLACEMENT PLAN |
| A-500 | ROOF DETAILS |
| A-501 | ROOF DETAILS |

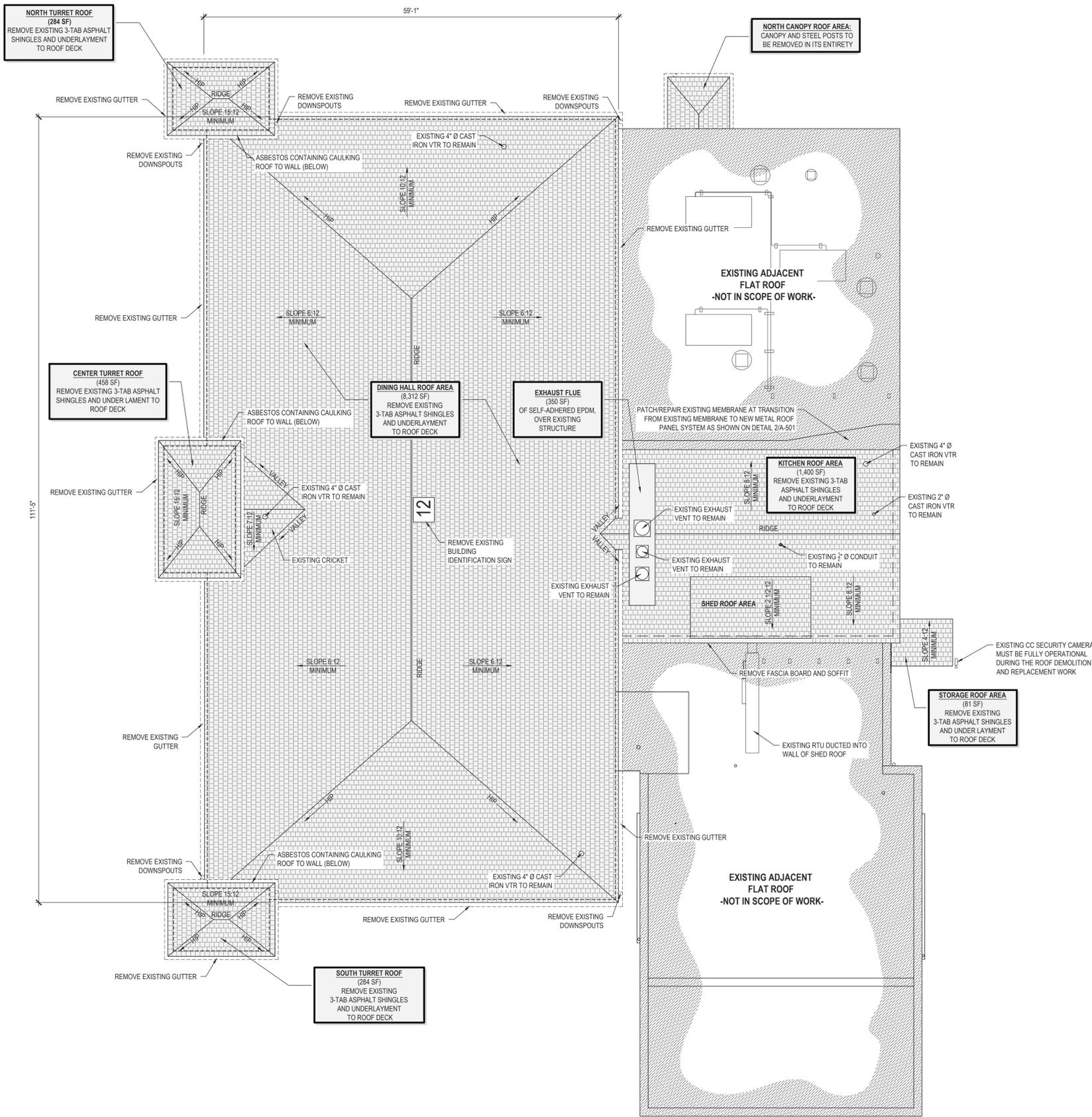


1 MISSOURI STATE MAP
NOT TO SCALE

2 VICINITY MAP - BOONVILLE, MO
NOT TO SCALE



3 SITE MAP - BOONVILLE CORRECTIONAL CENTER
NOT TO SCALE



EXISTING CONDITIONS NOTE:
 THE EXISTING CONDITIONS SHOWN ON THESE DRAWINGS ARE DERIVED FROM OBSERVATIONS AND MEASUREMENTS TAKEN DURING SITE VISITS AND FROM ARCHIVE INFORMATION PROVIDED BY THE OWNER. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS ON THE JOB SITE.

- DEMOLITION NOTES:**
1. CONTRACTOR SHALL COORDINATE ALL DEMOLITION AND REMOVAL OF DEMOLITION MATERIALS WITH OTHER WORK SEQUENCES AND WITH OWNER-OCCUPANCY REQUIREMENTS.
 2. REMOVE ALL EXISTING, SHEET METAL CLEATS, COUNTERFLASHING, FASTENERS, AND SEALANT.
 3. REMOVE ALL EXISTING GUTTERS AND DOWNSPOUTS.
 4. REMOVE ALL EXISTING REGLETS, COUNTERFLASHING, BASE FLASHING, FASTENERS AND SEALANT.

MATERIAL REPLACEMENT NOTE:

UNIT PRICE NO. 1 - 1x8 (NOMINAL) DIMENSIONAL WOOD ROOF DECK REPLACEMENT:
 DESCRIPTION: REMOVE EXISTING DAMAGED OR DETERIORATED 1x8 DIMENSIONAL WOOD ROOF DECK DISCOVERED DURING THE DEMOLITION PROCESS AND REPLACE WITH NEW 1x8 DIMENSIONAL WOOD ROOF DECK IN THE THICKNESS SHOWN IN DETAIL 1 ON DRAWING SHEET A-100 AND A-500, AND AS REQUIRED TO MATCH THE THICKNESS OF THE ADJACENT EXISTING 1x8 DIMENSIONAL WOOD ROOF DECK ACCORDING TO SECTION 061000 - ROUGH CARPENTRY.
 UNIT OF MEASUREMENT: PER SQUARE FOOT.
 QUANTITY INCLUDED IN BASE BID: 500 SQUARE FEET.

UNIT PRICE NO. 2 - 1x16 (NOMINAL) DIMENSIONAL WOOD FASCIA REPLACEMENT:
 DESCRIPTION: REMOVE EXISTING DAMAGED OR DETERIORATED 1x16 DIMENSIONAL WOOD FASCIA DISCOVERED DURING THE DEMOLITION PROCESS AND REPLACE WITH NEW 1x16 DIMENSIONAL WOOD FASCIA IN THE THICKNESS SHOWN IN DETAIL 1 ON DRAWING SHEET A-500, AND AS REQUIRED TO MATCH THE THICKNESS OF THE ADJACENT EXISTING 1x16 DIMENSIONAL WOOD FASCIA ACCORDING TO SECTION 061000 - ROUGH CARPENTRY.
 UNIT OF MEASUREMENT: PER LINEAR FOOT.
 QUANTITY INCLUDED IN BASE BID: 50 LINEAR FEET.

UNIT PRICE NO. 3 - 1x4 (NOMINAL) DIMENSIONAL WOOD SOFFIT REPLACEMENT:
 DESCRIPTION: REMOVE EXISTING DAMAGED OR DETERIORATED 1x4 DIMENSIONAL WOOD SOFFIT DISCOVERED DURING THE DEMOLITION PROCESS AND REPLACE WITH NEW 1x4 DIMENSIONAL WOOD SOFFIT IN THE THICKNESS SHOWN IN DETAIL 1 ON DRAWING SHEET A-500, AND AS REQUIRED TO MATCH THE THICKNESS OF THE ADJACENT EXISTING 1x4 DIMENSIONAL WOOD SOFFIT ACCORDING TO SECTION 061000 - ROUGH CARPENTRY.
 UNIT OF MEASUREMENT: PER LINEAR FOOT.
 QUANTITY INCLUDED IN BASE BID: 50 LINEAR FEET.

UNIT PRICE NO. 4 - 1x6 (NOMINAL) DIMENSIONAL WOOD FRIEZE REPLACEMENT:
 DESCRIPTION: REMOVE EXISTING DAMAGED OR DETERIORATED 1x6 DIMENSIONAL WOOD FASCIA DISCOVERED DURING THE DEMOLITION PROCESS AND REPLACE WITH NEW 1x6 DIMENSIONAL WOOD FRIEZE IN THE THICKNESS SHOWN IN DETAIL 1 ON DRAWING SHEET A-500, AND AS REQUIRED TO MATCH THE THICKNESS OF THE ADJACENT EXISTING 1x6 DIMENSIONAL WOOD FRIEZE ACCORDING TO SECTION 061000 - ROUGH CARPENTRY.
 UNIT OF MEASUREMENT: PER LINEAR FOOT.
 QUANTITY INCLUDED IN BASE BID: 50 LINEAR FEET.

- EXISTING ROOF ASSEMBLY:**
1. ASPHALT 3 TAB SHINGLES OVER FELT EPDM ROOF OVER 1x8 TONGUE AND GROOVE DECKING

ROOF FEATURE SCHEDULE

| MAIN ROOF AREA | |
|---------------------|----------|
| Description | Quantity |
| 4" Ø Cast Iron VTR | 3 |
| Conductor/Downspout | 8 |
| Wall Flashing | 82 LF |

| EAST ROOF AREA | |
|--------------------|----------|
| Description | Quantity |
| 3" Ø Conduit VTR | 1 |
| 2" Ø Cast Iron VTR | 1 |
| 4" Ø Cast Iron VTR | 1 |

ASBESTOS CONTAINING MATERIALS
 A LIMITED ASBESTOS INSPECTION WAS PERFORMED ON THE EXISTING ROOF SYSTEM OF FOOD SERVICE BUILDING 12, AND THE LABORATORY ANALYSIS INDICATES THAT CAULKING SAMPLES CONTAIN ASBESTOS IN LIMITED AMOUNTS. THE GREY CAULK AT THE TOWERS TO ROOF IS A CATEGORY II NON-FRIABLE MATERIAL AND IS NOT, BY DEFINITION, AN ACM. HOWEVER, OSHA REGULATIONS CONSIDER THIS A REGULATED MATERIAL. THEREFORE, SHOULD MANUAL RENOVATION ACTIVITIES RENDER THIS MATERIAL FRIABLE, CAULK MUST BE REMOVED BY A LICENSED ABATEMENT CONTRACTOR.

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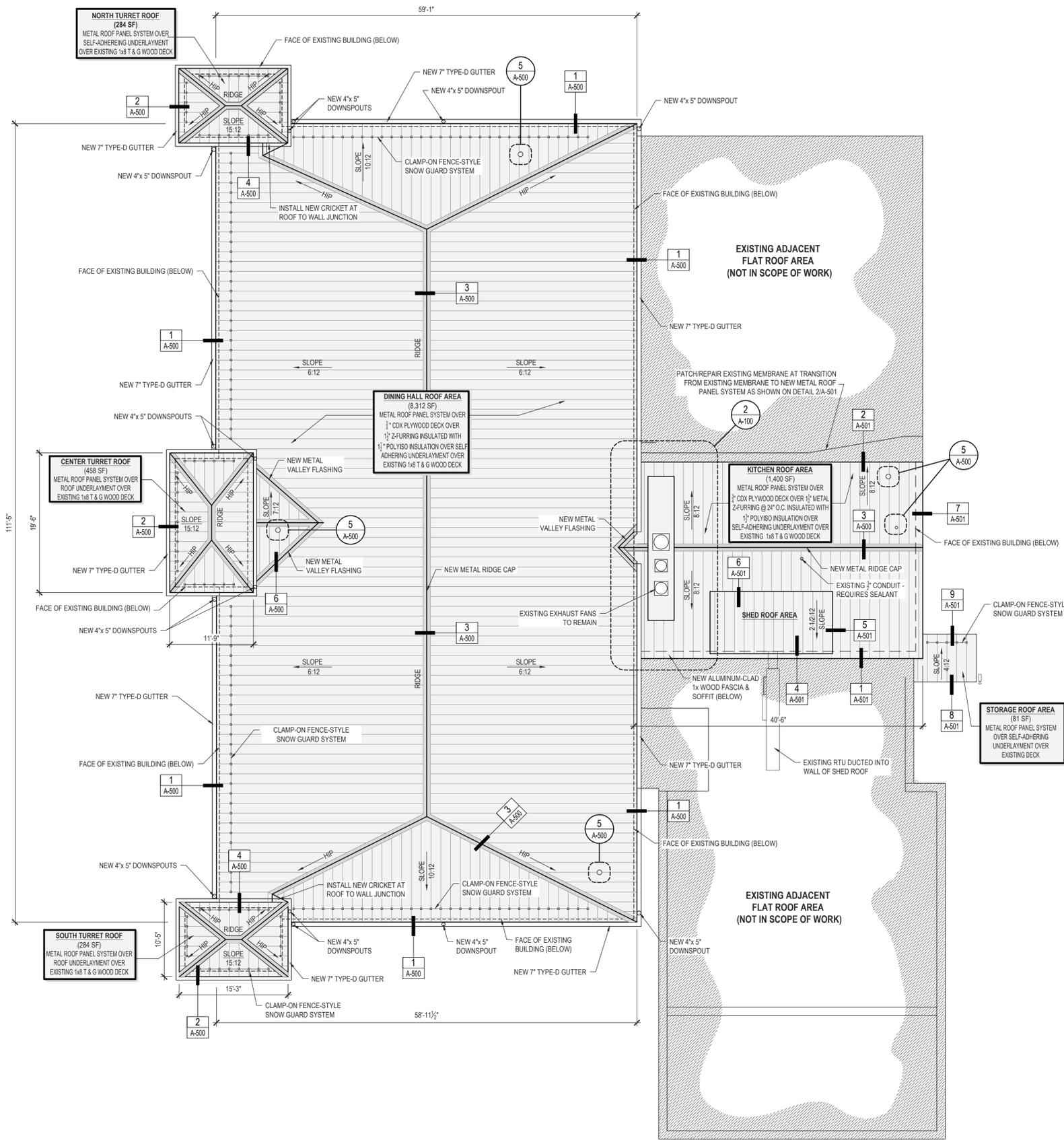
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 DRAWN BY: DLV
 CHECKED BY: DLV
 DESIGNED BY: BDC

SHEET TITLE:
**ROOF DEMOLITION
 PLAN**

SHEET NUMBER:
AD-100
 3 OF 6



ROOF DEMOLITION PLAN
 SCALE: 1/4" = 1'-0"



ROOF REPLACEMENT PLAN
SCALE: 1/8" = 1'-0"

EXISTING CONDITIONS NOTE:
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ROOF REPLACEMENT NOTES:

- ROOF SLOPE: THE MINIMUM SLOPE ON ANY ROOF PLANE (INCLUDING SADDLES AND CRICKETS) SHALL BE 1/2" PER FOOT.
- THERMAL PERFORMANCE: THE MINIMUM AVERAGE R-VALUE FOR ANY ROOF AREA ON THIS PROJECT SHALL BE R-8.
- ROOF WARRANTY: THE NEW METAL PANEL ROOF SYSTEM AND TPO MEMBRANE WALL FLASHING SYSTEMS SHALL BE DESIGNED AND INSTALLED IN A MANNER SUCH THAT THE OWNER MAY ELECT TO PURCHASE A 20-YEAR ROOFING SYSTEM WARRANTY AS AN ALTERNATE TO THE 15-YEAR WARRANTY INCLUDED IN THE BASE BID WITHOUT CHANGE TO THE DESIGN CRITERIA.

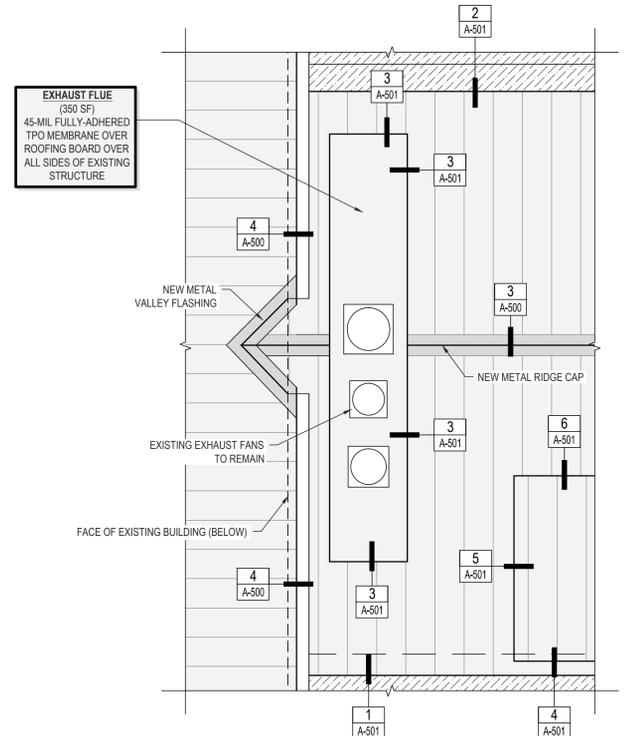
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UNIT OF MEASUREMENT: PER SQUARE FOOT.
QUANTITY INCLUDED IN BASE BID: 500 SQUARE FEET.

UNIT PRICE NO. 2 - 1x16 (NOMINAL) DIMENSIONAL WOOD FASCIA REPLACEMENT:
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UNIT OF MEASUREMENT: PER LINEAR FOOT.
QUANTITY INCLUDED IN BASE BID: 50 LINEAR FEET.

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QUANTITY INCLUDED IN BASE BID: 50 LINEAR FEET.



ENLARGED FLUE PLAN
SCALE: 1/4" = 1'-0"



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**ROOF REPLACEMENT
PLAN**

SHEET NUMBER:
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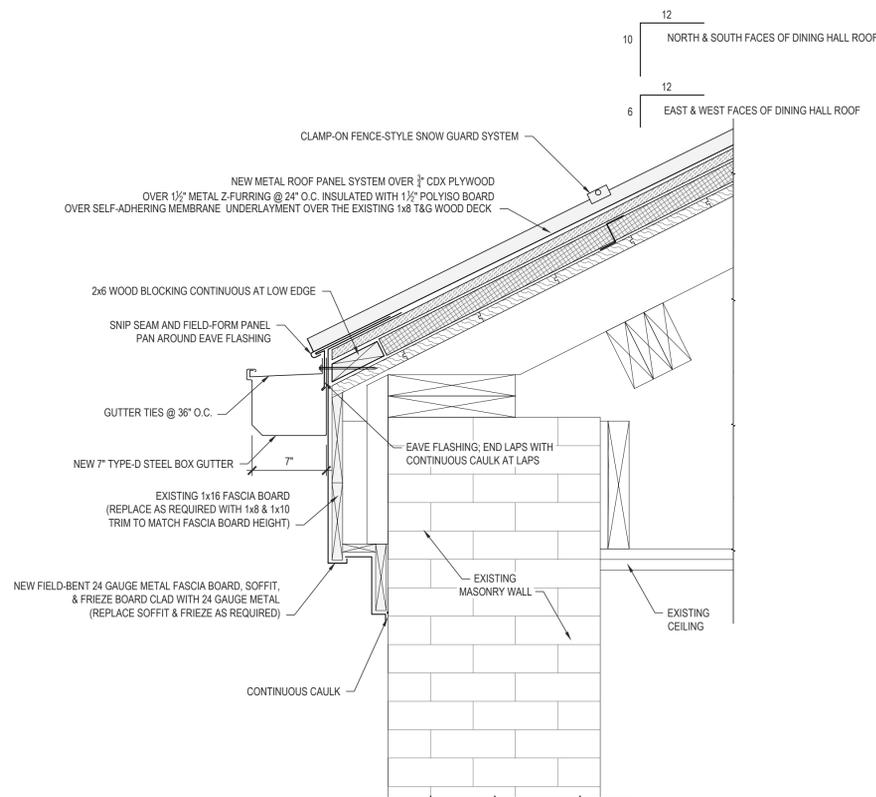
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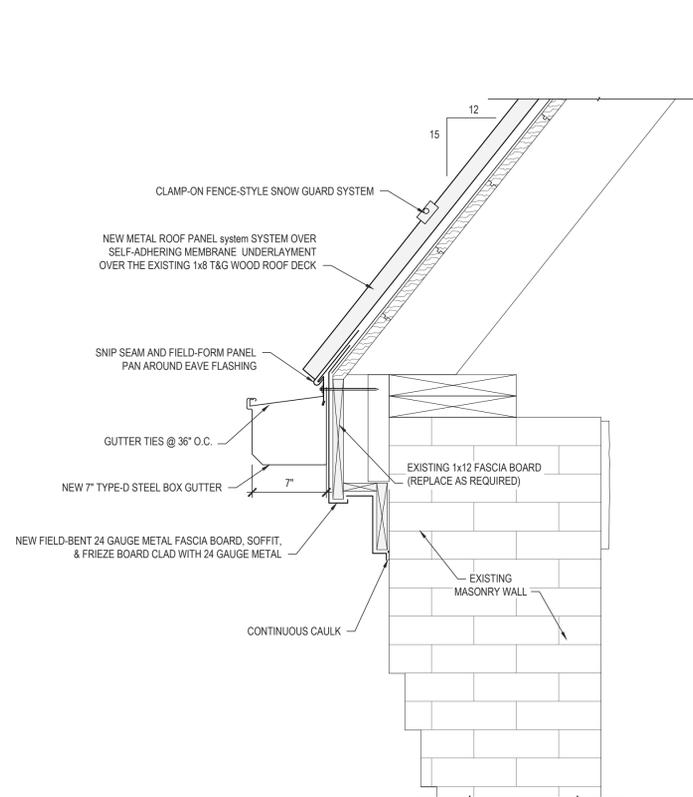
ROOF
DETAILS

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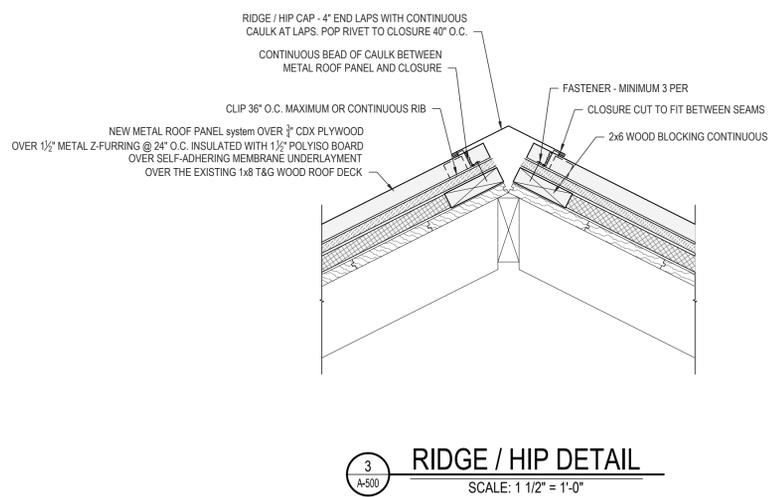
A-500



1
A-500
EAVE DETAIL - DINING HALL ROOF
SCALE: 1 1/2" = 1'-0"



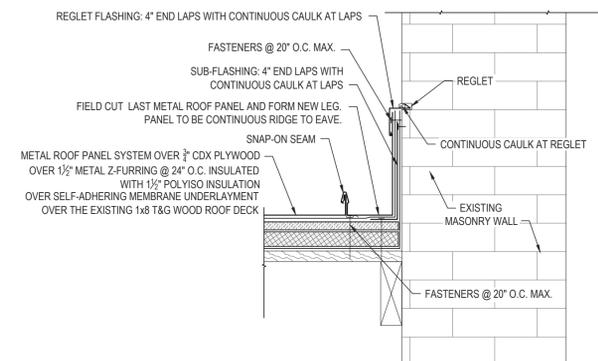
2
A-500
EAVE DETAIL - TURRET ROOF
SCALE: 1 1/2" = 1'-0"



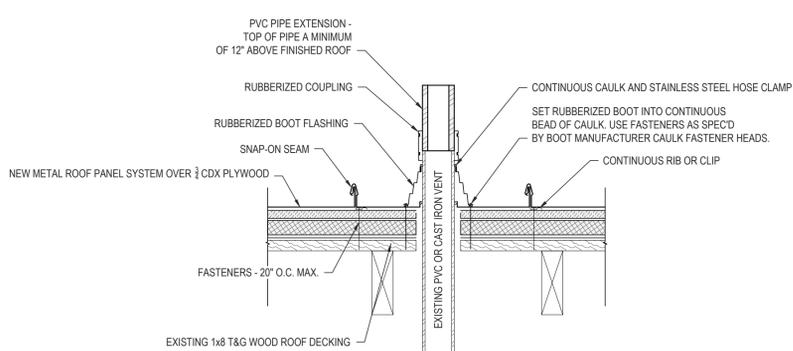
3
A-500
RIDGE / HIP DETAIL
SCALE: 1 1/2" = 1'-0"

NOTES:

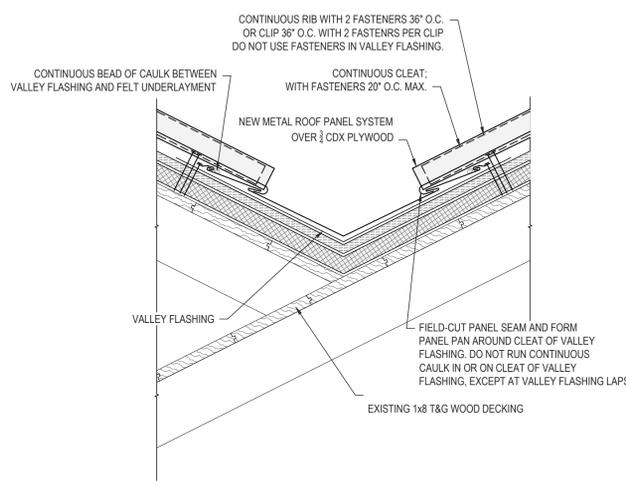
1. POSITION SQUARE BASED BOOTS IN A DIAMOND ORIENTATION WHERE POSSIBLE TO AID IN DIVERTING WATER
2. PIPE PENETRATION TO BE IN PAN OF PANEL ONLY
3. FIELD CUT HOLE IN PANEL 1" LESS THAN DIAMETER OF STACK. BACK CUT HOLE AND BEND PANEL UP AROUND STACK. CAULK CONTINUOUS.
4. IF PANELS ARE 30" OR LONGER, CUT HOLE TO ALLOW FOR THERMAL MOVEMENT.
5. IF PIPE IS MADE OF METAL IT MUST BE PAINTED TO PREVENT RUST RUN-OFF FROM STAINING PANELS.



4
A-500
ROOF-TO-WALL FLASHING DETAIL
SCALE: 1 1/2" = 1'-0"



5
A-500
PIPE PENETRATION DETAIL
SCALE: 1 1/2" = 1'-0"



6
A-500
VALLEY DETAIL
SCALE: 1 1/2" = 1'-0"



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ROOF
DETAILS

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