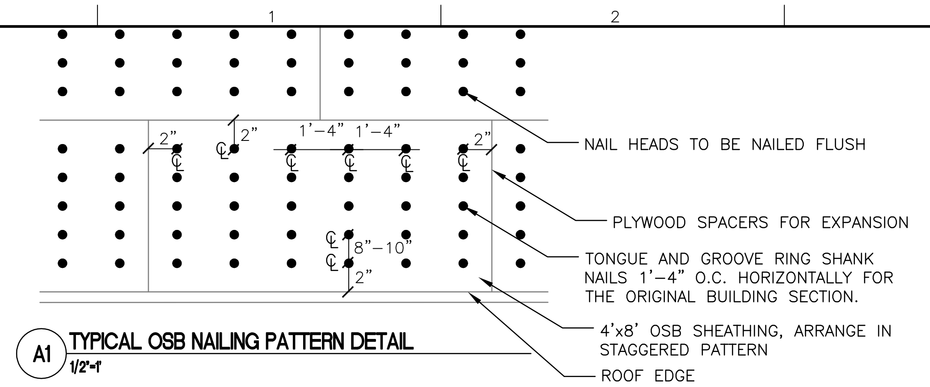
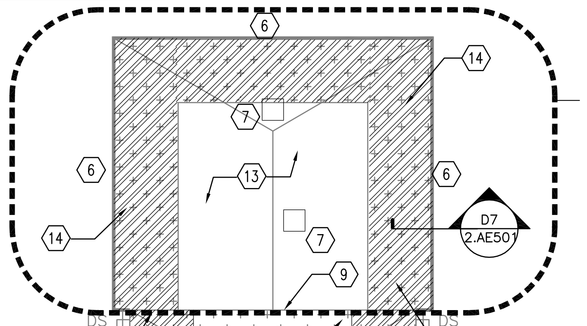
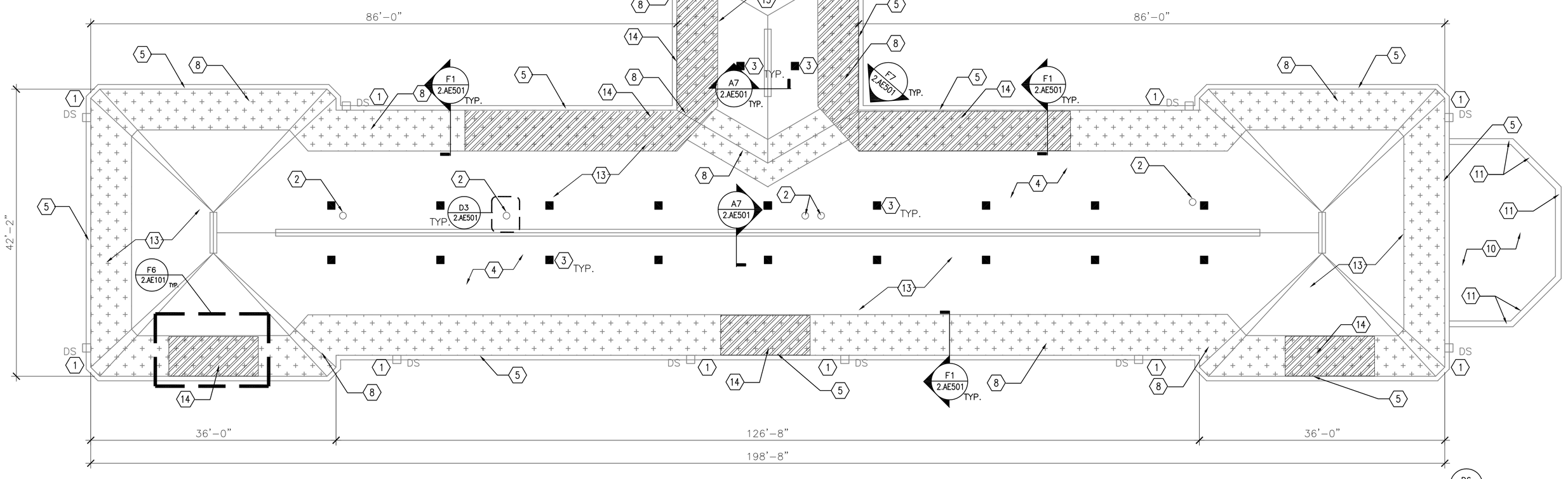


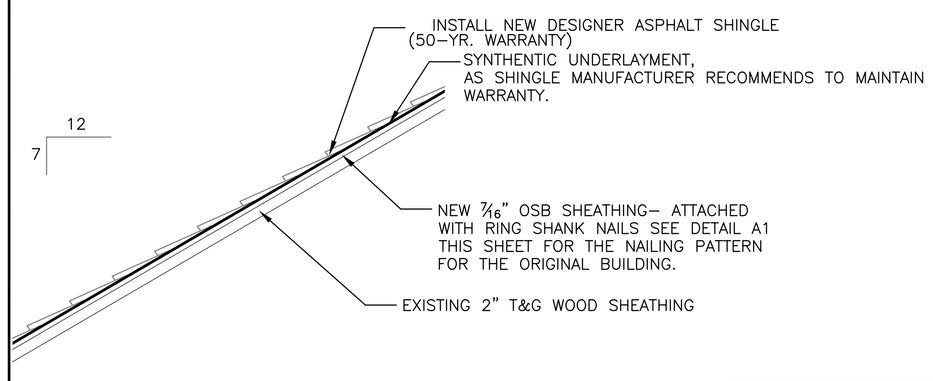

**A1 TYPICAL OSB NAILING PATTERN DETAIL**
1/2"=1'



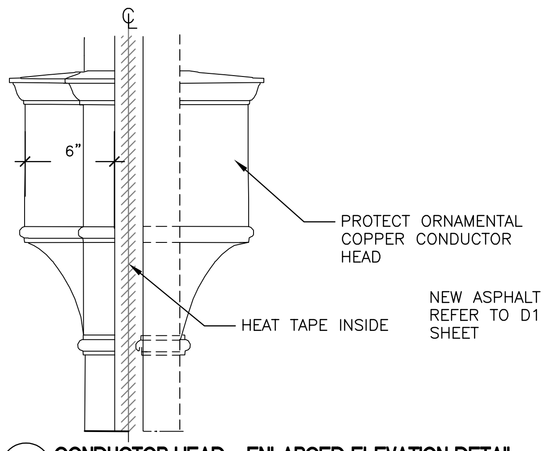

THIS SECTION OF THE ROOF ISN'T ORIGINAL TO THE BUILDING AND HAS A TRADITIONAL RAFTER WITH 3/4" PLYWOOD SHEATHING CONSTRUCTION. THE 7/16" OSB SHOULD BE ATTACHED WITH RING SHANK NAILS DIRECTLY INTO THE RAFTERS.




**C1 ROOF NEW WORK PLAN**
1/8" = 1'-0"

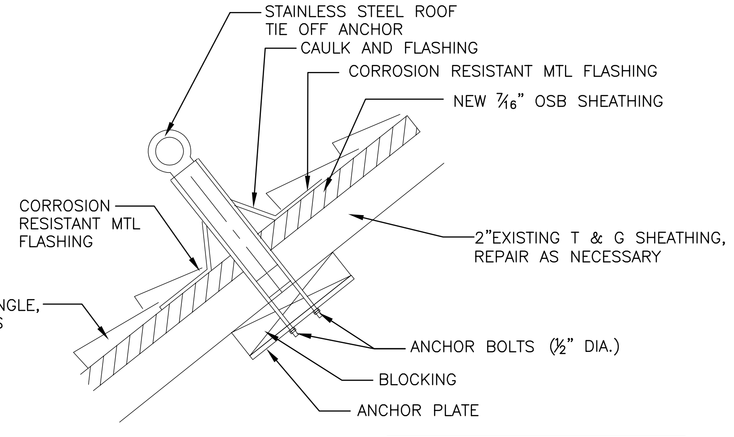



**D1 TYPICAL ASPHALT SHINGLE ROOF DETAIL**
N.T.S



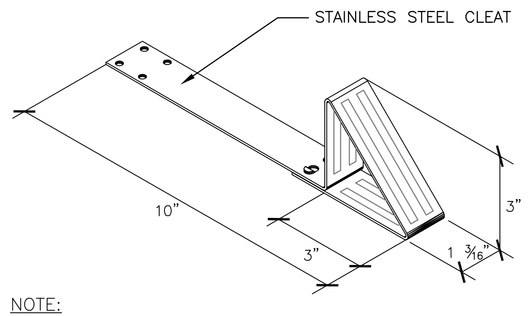

**F1 CONDUCTOR HEAD - ENLARGED ELEVATION DETAIL**
N.T.S

**NOTE**
ROOF TIE OFFS SHALL COMPLY WITH OSHA 1926.502
CAPACITY: 310 LBS.
MINIMUM BREAKING STRENGTH:5,000LBS.-RATED FOR FALL ARREST.



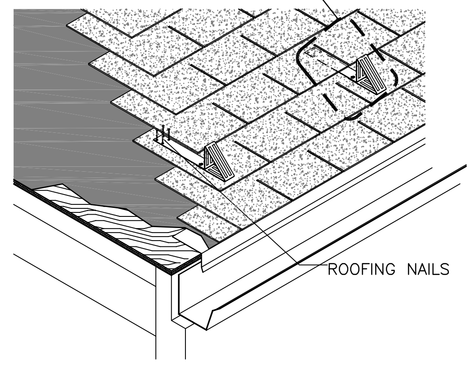

**F2 ROOF SAFETY TIE OFF DETAIL**
N.T.S

COORDINATE CONSTRUCTION DETAIL WITH MANUFACTURER'S RECOMMENDATIONS.

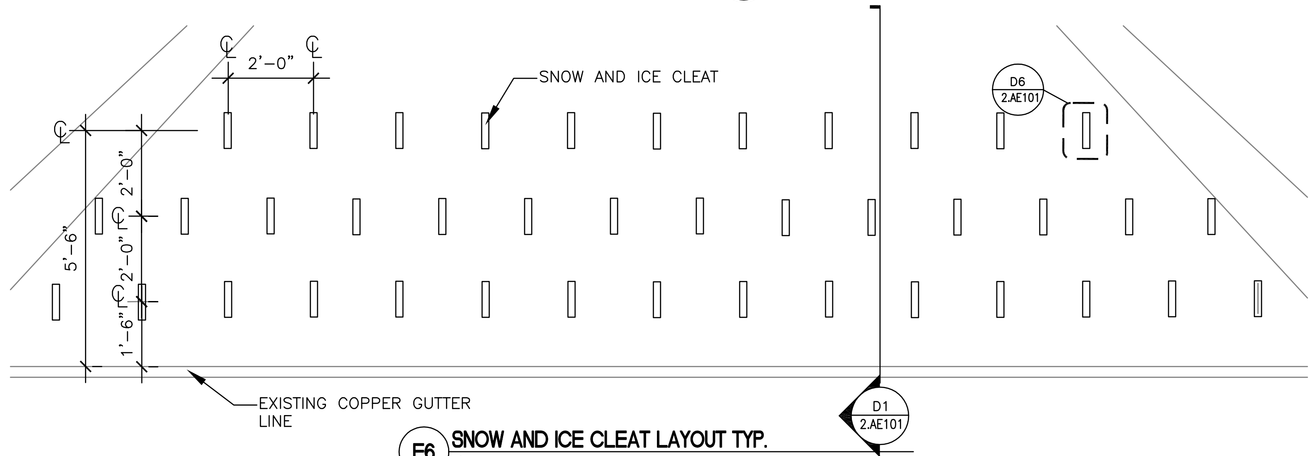



NOTE:
MATERIAL 1/16" THICK
ALL FILLETS AND ROUNDS 1/16" R.

**D6 SNOW AND ICE CLEAT DETAIL**
N.T.S




NOTE:
BRACKET IS INSTALLED WITH FOUR 2" ROOFING NAILS DIRECTLY INTO SHEATHING WITH TRIANGULAR END OF BRACKET AT EAVE END OF ASPHALT SHINGLE AND UPPER END UNDER SHINGLE IN COURSE ABOVE.




**D7 SNOW AND ICE CLEAT INSTALLATION DETAIL (SIM.)**
N.T.S

**F6 SNOW AND ICE CLEAT LAYOUT TYP.**
1/4"=1'

## NOTES

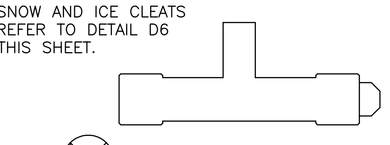
1. DRAWING INFORMATION OBTAINED EXISTING PLANS FROM VA DATED 01-11-38. DIMENSIONS AND ACCURACY TO BE FIELD VERIFIED.
2. EXISTING MATERIALS AND CONFIGURATIONS TO BE FIELD VERIFIED.
3. REFER TO 2.AE501 FOR ASPHALT SHINGLE DETAILS.
4. INSTALL 7/16" OSB SHEATHING OVER EXISTING ROOF DECK, REEFER TO A1 FOR NAILING PATTERN. PROVIDE SYNTHETIC UNDERLAYMENT BELOW ASPHALT SHINGLES. REFER TO D1 THIS SHEET.
5. COORDINATE WITH ELECTRICAL SHEETS FOR HEAT TAPE AND LIGHTNING PROTECTION.
6. CONTRACTOR SHALL CLEAN DEBRIS (INCLUDING ALL NAILS) FROM THE SITE.
7. EXISTING ROOFS NOT IN SCOPE (AT CORRIDORS AND FLAT SECTIONS) MUST BE INSPECTED BEFORE AND AFTER CONSTRUCTION AND RETURNED TO PRE CONSTRUCTION CONDITION IF CHANGES OCCUR.
8. CONTRACTOR SHALL SUPPLY VA WITH 3 SQ OF SHINGLES FOR ATTIC STOCK
9. NAILS SHALL BE CORROSION-RESISTANT, 11- OR 12-GAUGE, WITH HEADS OF AT LEAST 3/8" IN DIAMETER THAT PENETRATE COMPLETELY THROUGH SHEATHING.
10. SHINGLE SHALL HAVE A 50-YR. PRODUCT WARRANTY AND SHALL CONFORM TO ASTM D3462
11. PROVIDE FLASHING AT ALL PENETRATIONS, FLASHING METALS SHALL BE CORROSION RESISTANT.
12. PROTECT ALL EXISTING ITEMS TO REMAIN FROM DAMAGE.
13. ALL ROOF CONSTRUCTION MUST COMPLY WITH APPLICABLE AND CURRENT OSHA AND SMACNA REGULATIONS.
14. CONTRACTOR TO PROTECT THE INTAKE OF AHU 4 FOR THE CLC.
15. ALL BUILDING MATERIALS INSTALLED PER MANUFACTURER'S SPECIFICATIONS.

## KEYED NOTES

1. CLEAN AND REPAIR EXISTING CONDUCTOR HEAD; REFER TO DETAIL F1 THIS SHEET.
2. EXISTING ROOF PENETRATION; FLASH PROVIDE LEAK BARRIER PER DETAIL D3/2.AE501.
3. STAINLESS STEEL ROOF SAFETY TIE OFF, REFER TO DETAIL D3, THIS SHEET. SAFETY TIE OFFS TO THE FACE OF THE ENDS OF THE BUILDING. TIE INTO EXISTING STRUCTURE.
4. REPLACE TONGUE AND GROOVE BOARDS AS NECESSARY. (APPROX. 15% OF TOTAL AREA.)
5. REPAIR EXISTING COPPER GUTTER AND FLASHING AND LEAF GUARDS IN GUTTER AS NECESSARY. REFER TO F1/2.AE501.
6. INSTALL COPPER GUTTERS AND DOWNSPOUTS TO MATCH ADJACENT. (TIE IN USING A SIMILAR CONFIGURATION; INSTALL SOFFIT AND FASCIA BOARD. REFER TO D7/2.AE501.
7. INSTALL ATTIC VENTILATION, FAN, AND PROVIDE FLASHING, REFER TO DETAIL D9/2.AE501
8. PROVIDE ICE AND WATER SHIELD.
9. COPPER STEP FLASHING, REFER TO DETAIL D6/2.AE501.
10. SOLARIUM ROOF NOT IN SCOPE. PROTECT AND MAINTAIN.
11. LIMESTONE CAP TO BE SEALED AT JOINTS WITH ACRYLIC PATCH CEMENT.
12. INSTALL NEW RIDGE VENT, REFER TO A7/2.AE501.
13. INSTALL 7/16" OSB OVER EXISTING TONGUE AND GROOVE DECK BELOW NEW ASPHALT SHINGLE SYSTEM, REFER TO DETAIL D1, THIS SHEET.
14. PROVIDE SNOW AND ICE CLEATS AT 24" O.C. STAGGERED REFER TO DETAILS D6 AND F6 THIS SHEET.

## LEGEND

- D2 / A-512 — DETAIL INDICATOR
- DIMENSION LINE
- A4 / A-201 — ELEVATION INDICATOR, EXTERIOR
- A4 / A-201 — BUILDING SECTION INDICATOR
- SAFETY TIE OFF, REFER TO DETAIL D3 THIS SHEET
- DS — DOWNSPOUT WITH CONDUCTOR HEAD
- ICE AND WATER SHIELD
- SNOW AND ICE CLEATS REFER TO DETAIL D6 THIS SHEET.



KEYPLAN - NOT TO SCALE

FULLY SPRINKLERED BUILDING
BID DOCUMENTS

ALL BUILDING MATERIALS TO MEET NFPA 101

| Revisions: | Date |
|---|---|
| ⚠ CLARIFY THE SECTIONAL REQUIREMENTS | 2.25.13 |

ARCHITECT/ENGINEERS:
PARADIGM
ENGINEERS AND CONSTRUCTORS
300 Mount Lebanon Blvd #201A, Pittsburgh, PA 15234 - PH: 502.339.8511 - www.paradigmusa.com

Drawing Title: ROOF NEW WORK PLAN - CLARIFICATION 1
Approved: Project Director
Project Title: BUILDING 2 ROOF REPLACEMENT (A+E)
Location: VA BUTLER HEALTHCARE, 325 NEW CASTLE ROAD, BUTLER PA 16001-2480
Date: 12-20-2012 | Checked: BVG | Drawn: JDM
Project Number: 529-12-106
Building Number: 2
Drawing Number: 2.AE101.C1

Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231

three inches = one foot 6"
one and one half inches = one foot 0 6"
one inch = one foot 0 6"
three quarters inch = one foot 0 6"
one half inch = one foot 0
three eighths inch = one foot 0
one quarter inch = one foot 0
one eighth inch = one foot 0