

HANLONTOWN SALT DOME ROOF RESTORATION



SMARTER | SIMPLER | CUSTOMER DRIVEN

OFFICE OF SUPPORT SERVICES

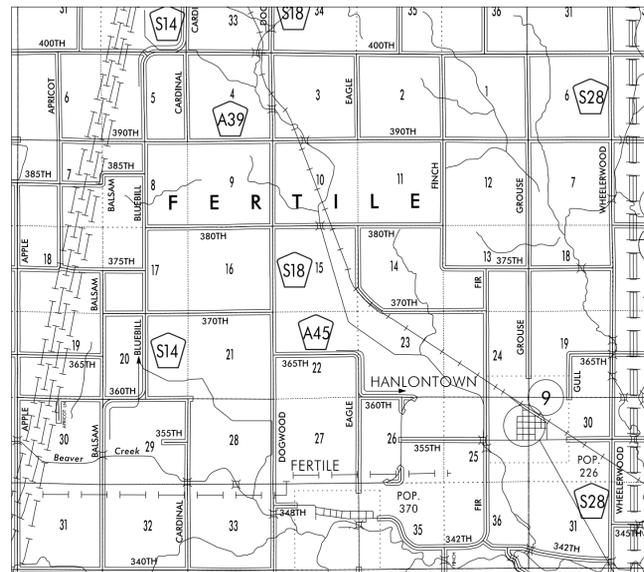
800 LINCOLN WAY, AMES, IOWA 50010

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A-1 HANLONTOWN RESTORATION PLAN

HANLONTOWN

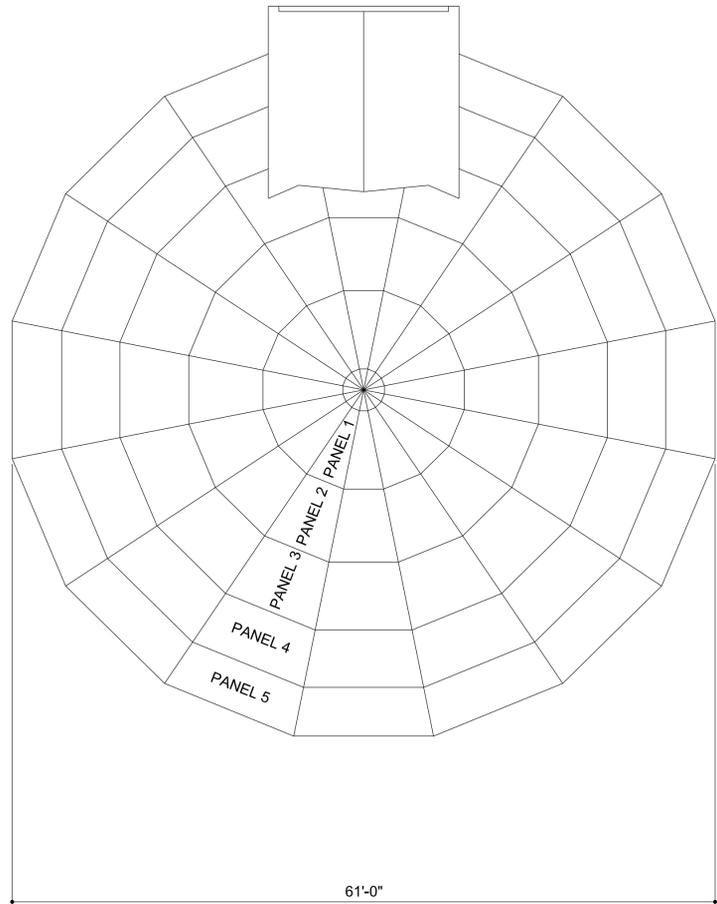
753 HWY 9
HANLONTOWN, IOWA 50444
PROJECT #: BG-4H21(001)-80-98



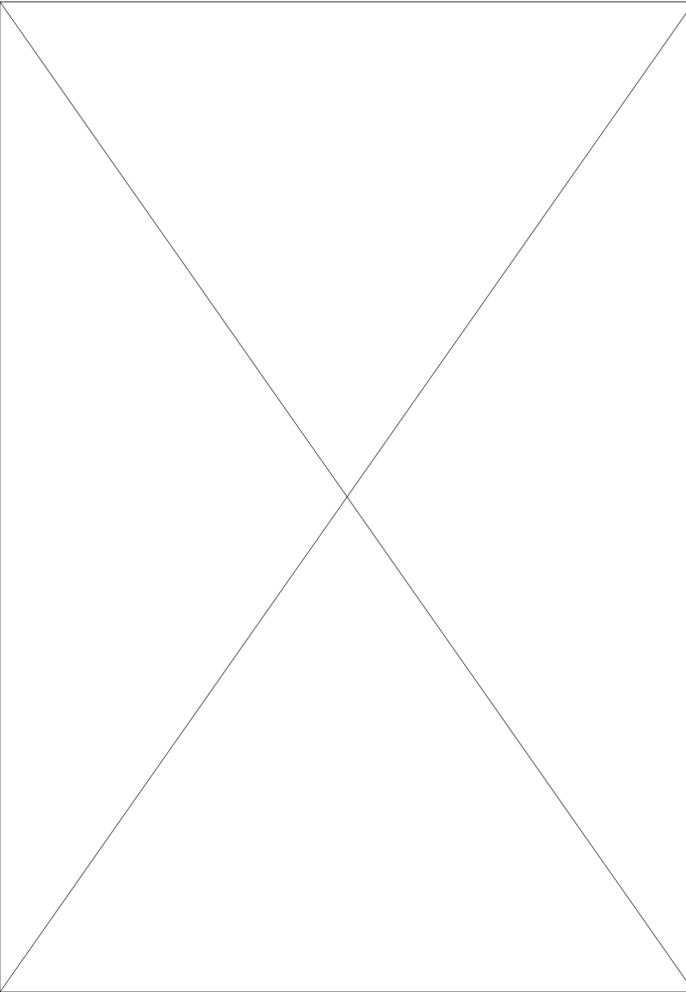
PROJECT LOCATION

SCALE: 1"=1mi

ENTIRE EXTERIOR OF DOME TO RECEIVE ROOFING SYSTEM (INCLUDING CONCRETE WALLS)



FLOOR PLAN
SCALE: N.T.S. NORTH

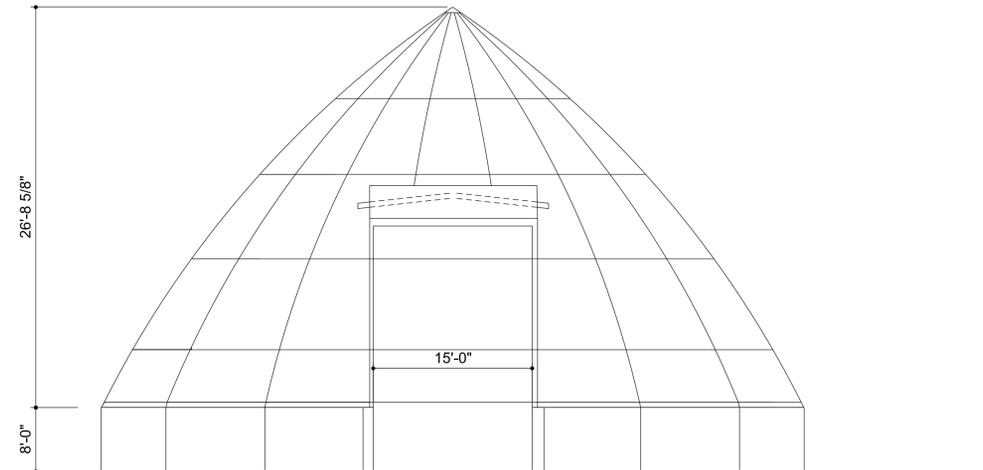


GENERAL NOTES

1. CONTRACTOR TO VISIT SITE PRIOR TO BIDDING
2. DETERIORATED ROOF TO BE REPLACED AS NEEDED
3. RING SUPPORT TO BE REPLACED WITH NEW AND SIMILAR OR BETTER MATERIAL AS NEEDED
4. CONTRACTOR TO VERIFY ALL DIMENSIONS, ROOF SLOPES, AND LOCATIONS OF ROOF SYSTEMS IN THE FIELD
5. THE DOME IS 82'-0" IN DIAMETER
6. RAFTERS AND OTHER STRUCTURE TO REMAIN AND TO BE PROTECTED DURING RENOVATION
7. CONTRACTOR TO BUILD UP THE VENTS TO FINISH LEVEL
8. CONTRACTOR TO PROVIDE ENTIRE DOME WITH TREATMENT (INCLUDING EXTERIOR CONCRETE WALLS)

NEOGARD PERMATHANE II SYSTEM

1. PREP : SECURE ALL LOOSE SHINGLES AND RAISE THE ROOF VENTS
2. BASF POLYURETHANE FOAM FE 348 AT A RATE OF 1 INCH THICK OVER ENTIRE DOME
3. BASECOAT - NEOGARD URETHANE 70620 GREY BASECOAT AT A RATE OF 2 GALLONS PER 100 SQ FT
4. TOPCOAT - NEOGARD URETHANE 70613 WHITE TOPCOAT AT A RATE OF 1 GALLON PER 100 SQ FT
5. CONTRACTOR TO PROVIDE 10 YEAR WARRANTY, LABOR AND MATERIALS



TYPICAL ELEVATION
SCALE: N.T.S.



DISTRICT: 02
COUNTY: WORTH
PROJECT NUMBER: BG-4H21(001)--80-98

HANLONTOWN, IOWA

SALT DOME RESTORATION
ROOF RESTORATION PLAN

IOWA DOT
SMARTER. SIMPLER. CUSTOMER DRIVEN
OFFICE OF SUPPORT SERVICES
800 LINCOLN WAY
AMES, IOWA 50010 6515238-1299

DATE: 05 OCT 2015
DRAWN BY: DESIGN TEAM
APPROVED: J BURNES
REVISIONS:

SHEET: A-1
OF

DESOTO SALT DOME ROOF RESTORATION



SMARTER | SIMPLER | CUSTOMER DRIVEN

OFFICE OF SUPPORT SERVICES

800 LINCOLN WAY, AMES, IOWA 50010

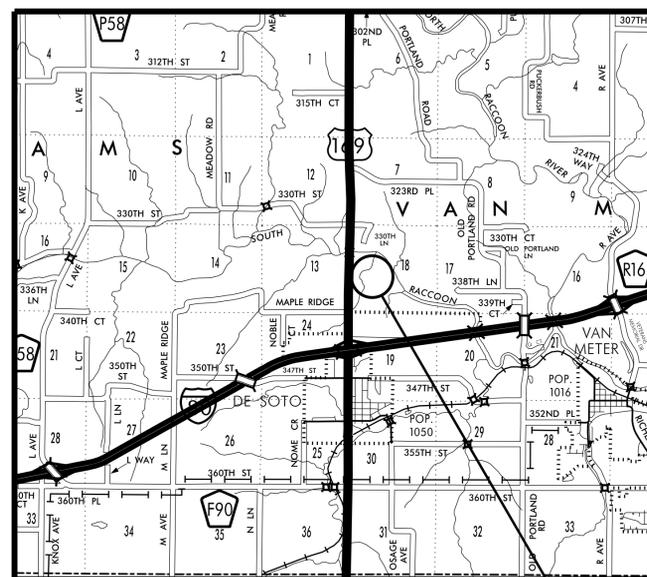
DESOTO

33654 OVERTON CIRCLE
ADEL, IOWA 50003

Project #: BG-4D21(001)--80-25

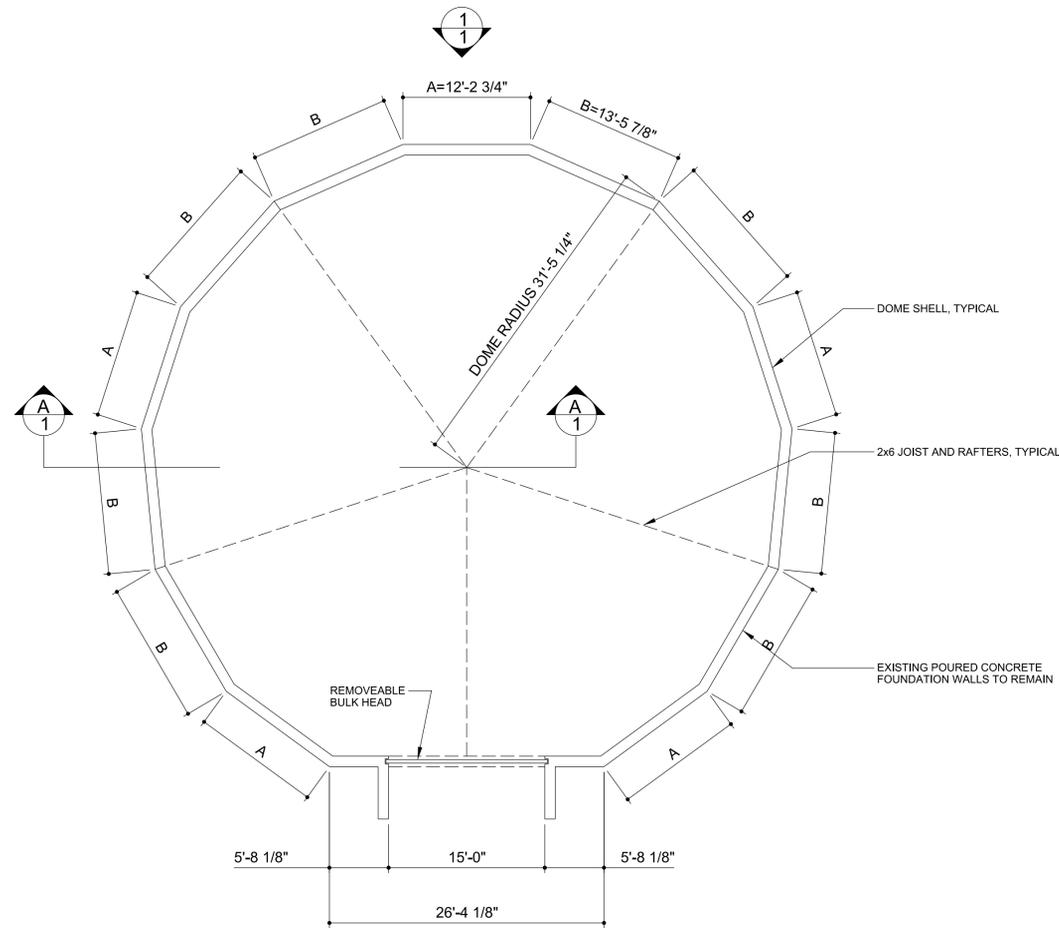
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A-1 DESOTO RESTORATION PLAN



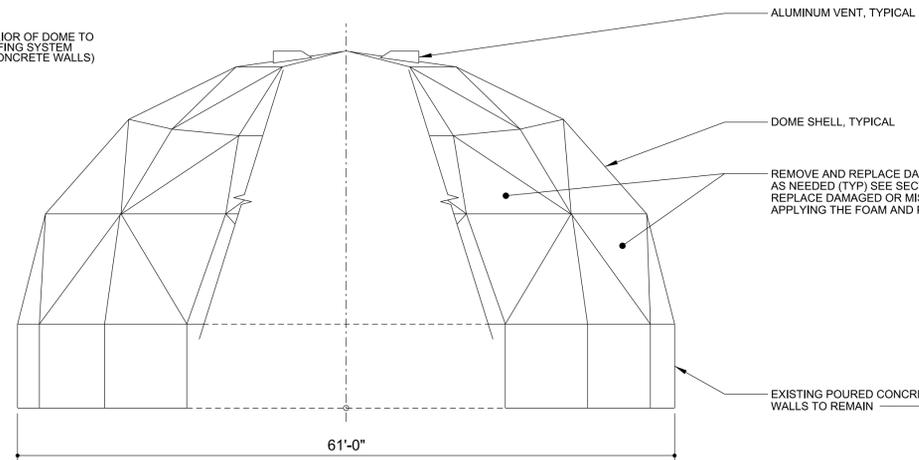
PROJECT LOCATION

SCALE: 1"=1mi

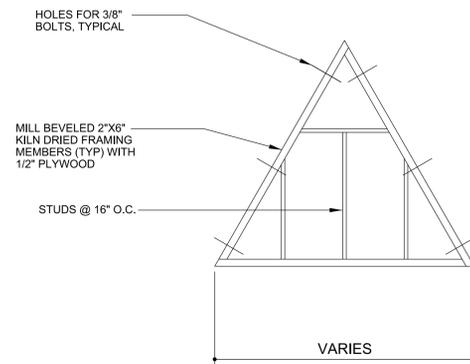


FLOOR PLAN
SCALE: 1/8"=1'-0"

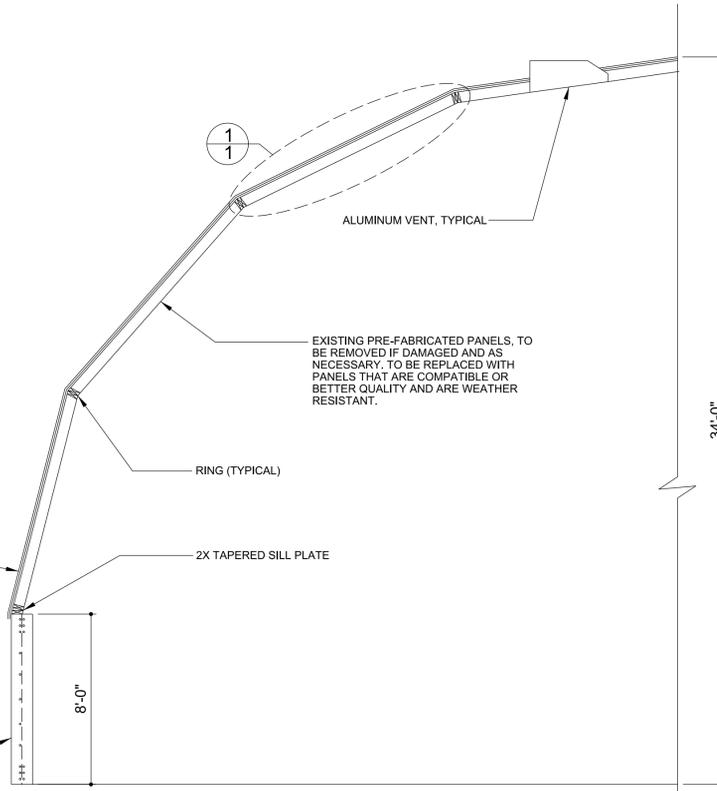
ENTIRE EXTERIOR OF DOME TO
REQUIE ROOFING SYSTEM
(INCLUDING CONCRETE WALLS)



ELEVATION
SCALE: 1/8"=1'-0"



FRAMING DETAIL
SCALE: N.T.S.



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

GENERAL NOTES

1. CONTRACTOR TO VISIT SITE PRIOR TO BIDDING
2. ROOF, 3/4" PLYWOOD UNDERLAYMENT AND FLASHING TO BE REPLACED AS NEEDED
3. RING SUPPORT TO BE REPLACED WITH NEW AND SIMILAR OR BETTER MATERIAL AS NEEDED
4. CONTRACTOR TO VERIFY ALL DIMENSIONS, ROOF SLOPES, AND LOCATIONS OF ROOF SYSTEMS IN THE FIELD
5. THE DOME IS 62'-0" IN DIAMETER
6. RAFTERS AND OTHER STRUCTURE TO REMAIN AND TO BE PROTECTED DURING RENOVATION
7. CONTRACTOR TO BUILD UP THE VENTS TO FINISH LEVEL
8. CONTRACTOR TO PROVIDE TREATMENT TO ENTIRE DOME (INCLUDING EXTERIOR CONCRETE WALLS)

NEOGARD PERMATHANE II SYSTEM

- PREP : SECURE ALL LOOSE SHINGLES AND RAISE THE ROOF VENTS OVER ENTIRE DOME
1. BASF POLYURETHANE FOAM FE 348 AT A RATE OF 1 INCH THICK OVER ENTIRE DOME
 2. BASECOAT - NEOGARD URETHANE 70620 GREY BASECOAT AT A RATE OF 2 GALLONS PER 100 SQ FT
 3. TOPCOAT - NEOGARD URETHANE 70613 WHITE TOPCOAT AT A RATE OF 1 GALLON PER 100 SQ FT
 4. CONTRACTOR TO PROVIDE 10 YEAR WARRANTY, LABOR AND MATERIALS

DISTRICT: 04
COUNTY: DALLAS
PROJECT NUMBER: BG-4D21(000)-80-25

DESOTO, IOWA

SALT DOME RESTORATION
ROOF RESTORATION PLAN



DATE: 05 OCT 2015
DRAWN BY: DESIGN TEAM
APPROVED: J BURNES
REVISIONS:

SHEET: A-1
OF

SIDNEY SALT DOME ROOF RESTORATION



SMARTER | SIMPLER | CUSTOMER DRIVEN

OFFICE OF SUPPORT SERVICES

800 LINCOLN WAY, AMES, IOWA 50010

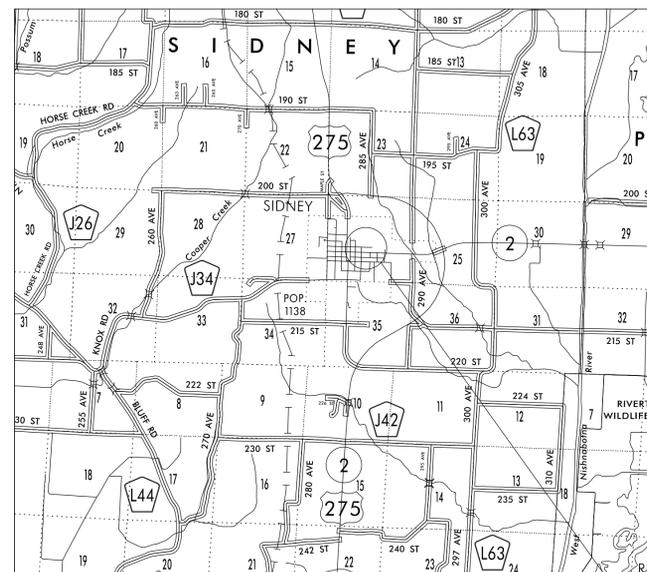
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SIDNEY

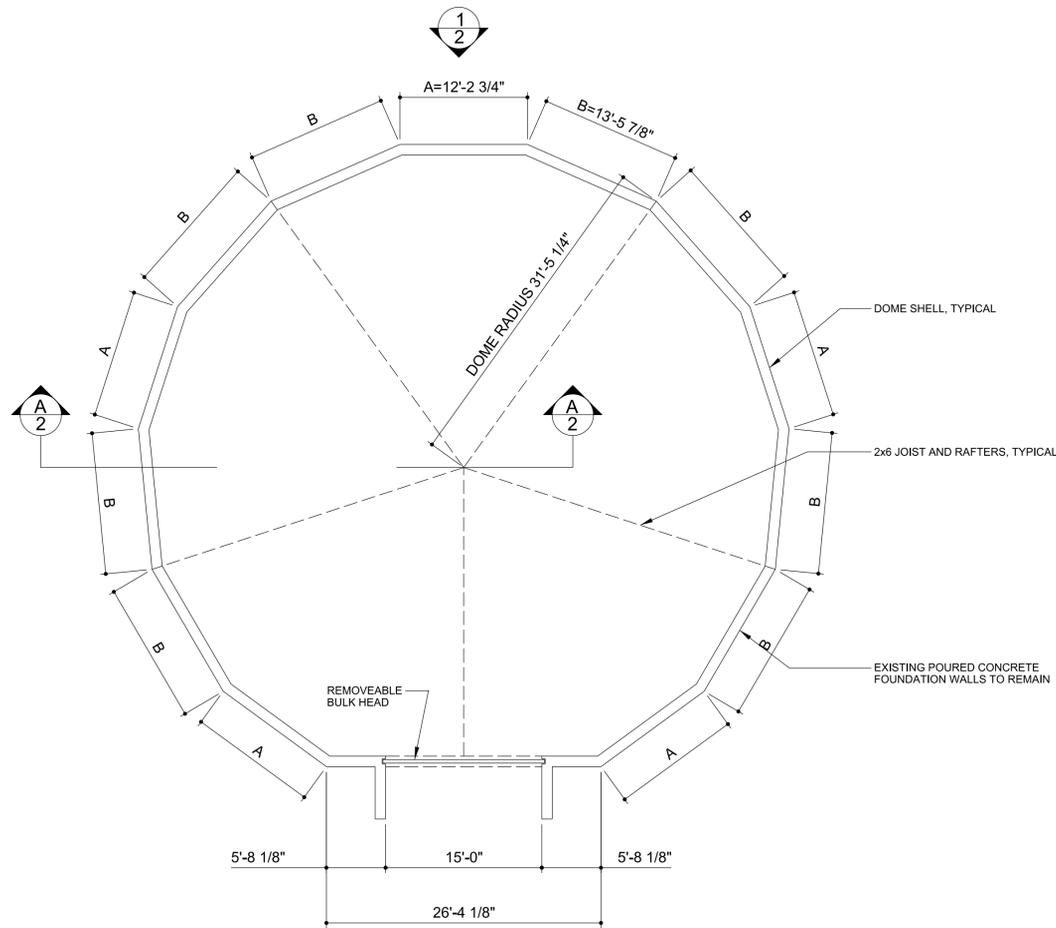
1305 E FILMORE
SIDNEY, IOWA 51652

PROJECT #: BG-4S21(001)-80-36



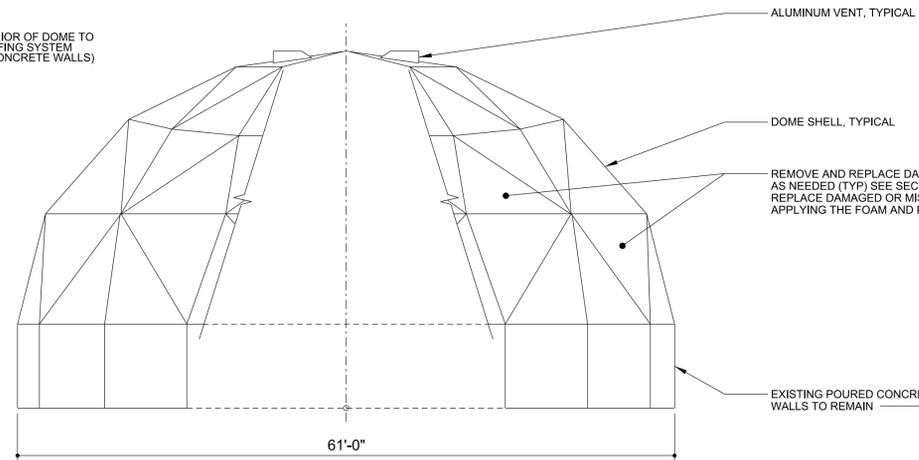
PROJECT LOCATION

SCALE: 1"=1mi

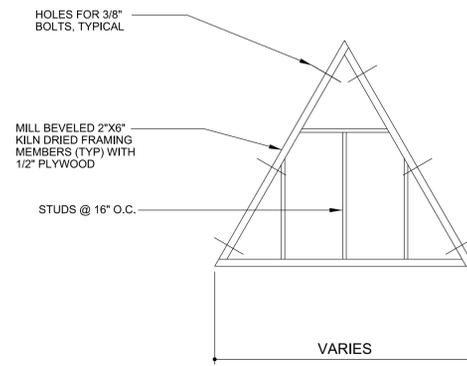


FLOOR PLAN
SCALE: 1/8"=1'-0"

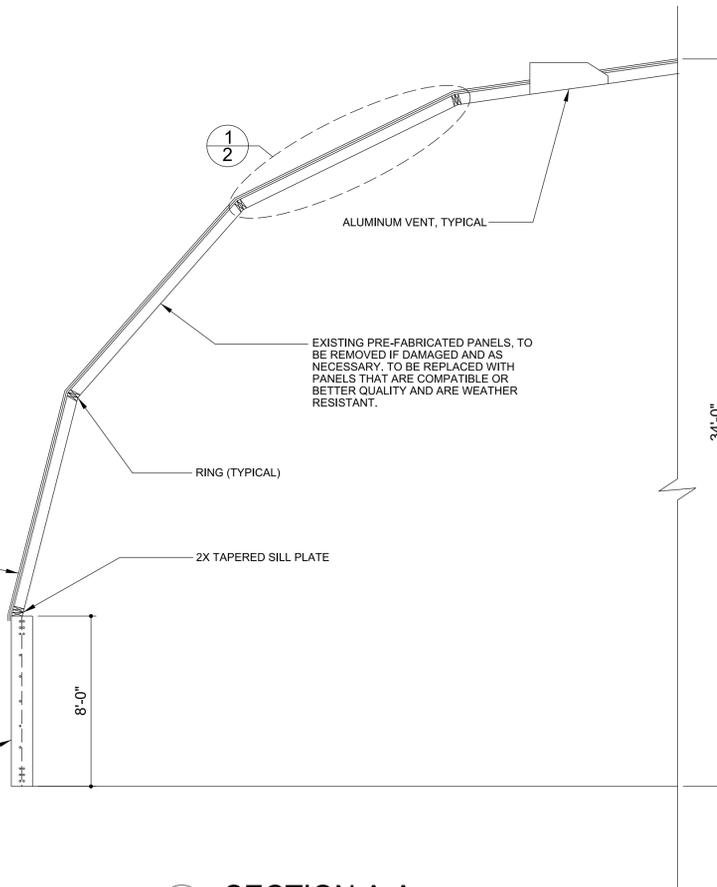
ENTIRE EXTERIOR OF DOME TO
REQUIE ROOFING SYSTEM
(INCLUDING CONCRETE WALLS)



ELEVATION
SCALE: 1/8"=1'-0"



FRAMING DETAIL
SCALE: N.T.S.



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

GENERAL NOTES

1. CONTRACTOR TO VISIT SITE PRIOR TO BIDDING
2. ROOF, 3/4" PLYWOOD UNDERLAYMENT AND FLASHING TO BE REPLACED AS NEEDED
3. RING SUPPORT TO BE REPLACED WITH NEW AND SIMILAR OR BETTER MATERIAL AS NEEDED
4. CONTRACTOR TO VERIFY ALL DIMENSIONS, ROOF SLOPES, AND LOCATIONS OF ROOF SYSTEMS IN THE FIELD
5. THE DOME IS 62'-0" IN DIAMETER
6. RAFTERS AND OTHER STRUCTURE TO REMAIN AND TO BE PROTECTED DURING RENOVATION
7. CONTRACTOR TO BUILD UP THE VENTS TO FINISH LEVEL
8. CONTRACTOR TO PROVIDE TREATMENT TO ENTIRE DOME (INCLUDING EXTERIOR CONCRETE WALLS)

NEOGARD PERMATHANE II SYSTEM

- PREP : SECURE ALL LOOSE SHINGLES AND RAISE THE ROOF VENTS OVER ENTIRE DOME
1. BASF POLYURETHANE FOAM FE 348 AT A RATE OF 1 INCH THICK OVER ENTIRE DOME
 2. BASECOAT - NEOGARD URETHANE 70620 GREY BASECOAT AT A RATE OF 2 GALLONS PER 100 SQ FT
 3. TOPCOAT - NEOGARD URETHANE 70613 WHITE TOPCOAT AT A RATE OF 1 GALLON PER 100 SQ FT
 4. CONTRACTOR TO PROVIDE 10 YEAR WARRANTY, LABOR AND MATERIALS

DISTRICT: 04
COUNTY: FREMONT
PROJECT NUMBER: BG-4S21(001)--80-36

SIDNEY, IOWA

SALT DOME RESTORATION
ROOF RESTORATION PLAN

IOWA DOT
SMARTER | SIMPLER | CUSTOMER DRIVEN
OFFICE OF SUPPORT SERVICES
800 LINCOLN WAY
AMES, IOWA 50010 (515)238-1299

DATE: 05 OCT 2015
DRAWN BY: DESIGN TEAM
APPROVED: J BURNES
REVISIONS:

SHEET: OF
A-1

WEST BURLINGTON DOME ROOF RESTORATION



SMARTER | SIMPLER | CUSTOMER DRIVEN

OFFICE OF SUPPORT SERVICES

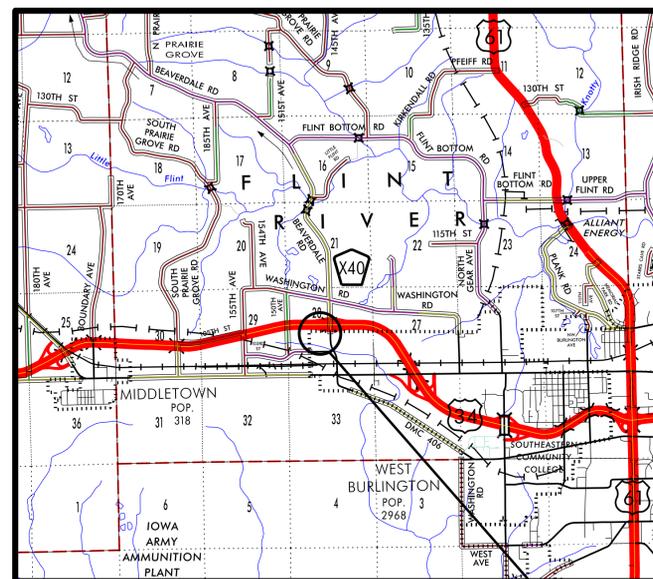
800 LINCOLN WAY, AMES, IOWA 50010

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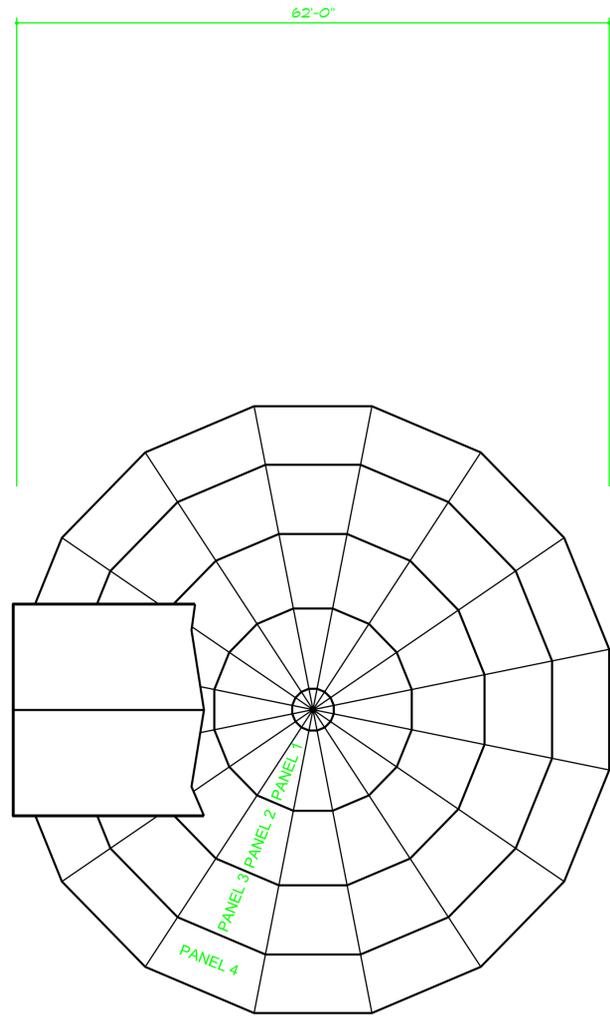
WEST BURLINGTON

617 BEAVERDALE RD,
WEST BURLINGTON, IOWA
Project #: BG-4B12(001) -80-29



PROJECT LOCATION

SCALE: 1"=1mi



DOME FLOOR PLAN
SCALE: N.T.S.

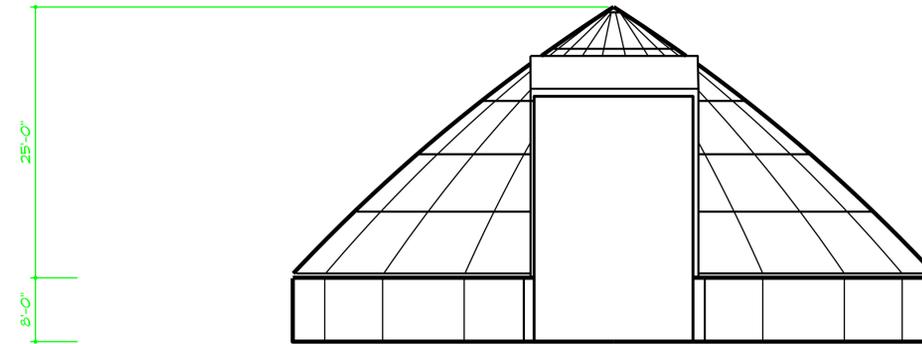
GENERAL NOTES

1. CONTRACTOR TO VISIT SITE PRIOR TO BIDDING
2. DETERIORATED ROOF TO BE REPLACED AS NEEDED
3. RING SUPPORT TO BE REPLACED WITH NEW AND SIMILAR OR BETTER MATERIAL AS NEEDED
4. CONTRACTOR TO VERIFY ALL DIMENSIONS, ROOF SLOPES, AND LOCATIONS OF ROOF SYSTEMS IN THE FIELD
5. THE DOME IS 100'-0" IN DIAMETER
6. RAFTER AND OTHER STRUCTURE TO REMAIN AND TO BE PROTECTED DURING RENOVATION
7. CONTRACTOR TO BUILD UP THE VENTS TO FINISH LEVEL
8. CONTRACTOR TO PROVIDE ENTIRE DOME WITH TREATMENT (INCLUDING EXTERIOR CONCRETE WALLS)

NEOGARD PERMATHANE II SYSTEM

PREP : SECURE ALL LOOSE SHINGLES AND RAISE THE ROOF VENTS

1. BASF POLYURETHANE FOAM FE 348 AT A RATE OF 1 INCH THICK OVER ENTIRE DOME
2. BASECOAT - NEOGARD URETHANE 70620 GREY BASECOAT AT A RATE OF 2 GALLONS PER 100 SQ FT
3. TOPCOAT - NEOGARD URETHANE 70613 WHITE TOPCOAT AT A RATE OF 1 GALLON PER 100 SQ FT
4. PROVIDE 10 YEAR WARRANTY, LABOR AND MATERIALS



TYPICAL ELEVATION
SCALE: N.T.S.

TIPTON DOME ROOF RESTORATION



SMARTER | SIMPLER | CUSTOMER DRIVEN

OFFICE OF SUPPORT SERVICES

800 LINCOLN WAY, AMES, IOWA 50010

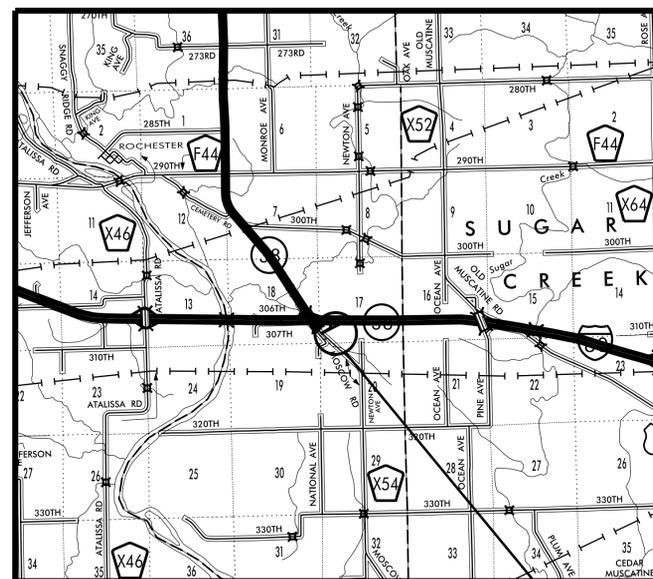
TIPTON

2092 MOSCOW COUNTY RD X54,
TIPTON, IOWA

Project #: BG-4T21(001) -80-16

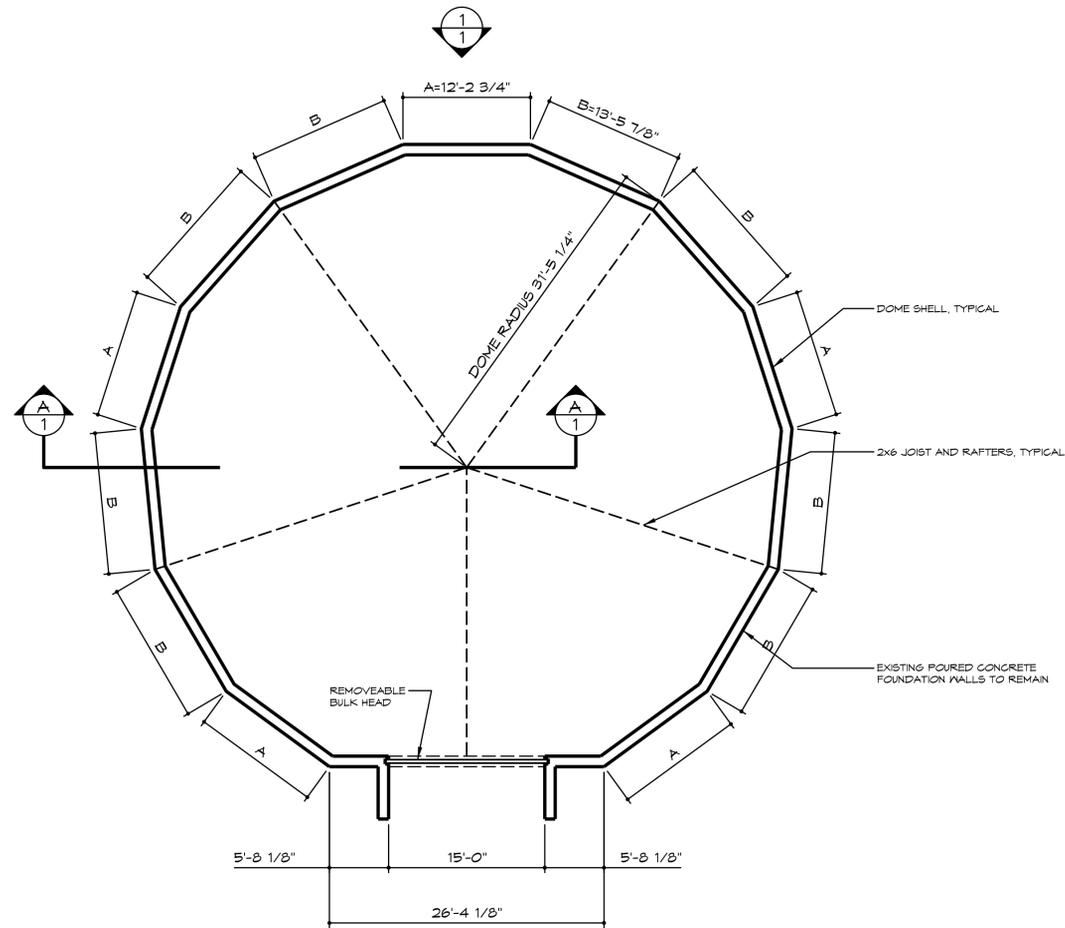
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A-1 TIPTON RESTORATION PLAN

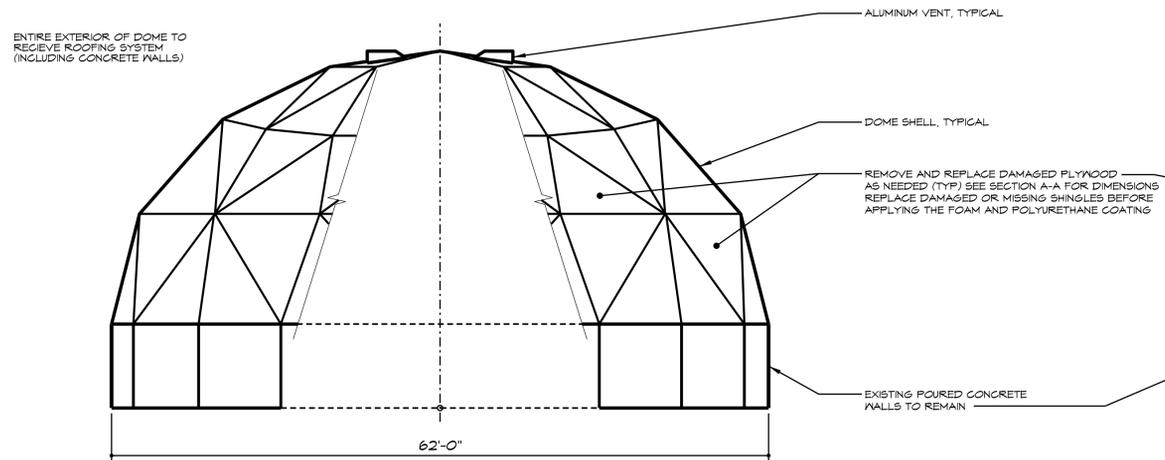


PROJECT LOCATION

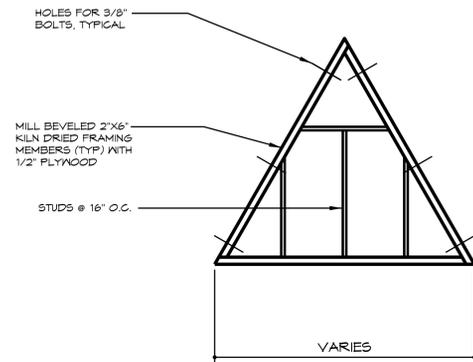
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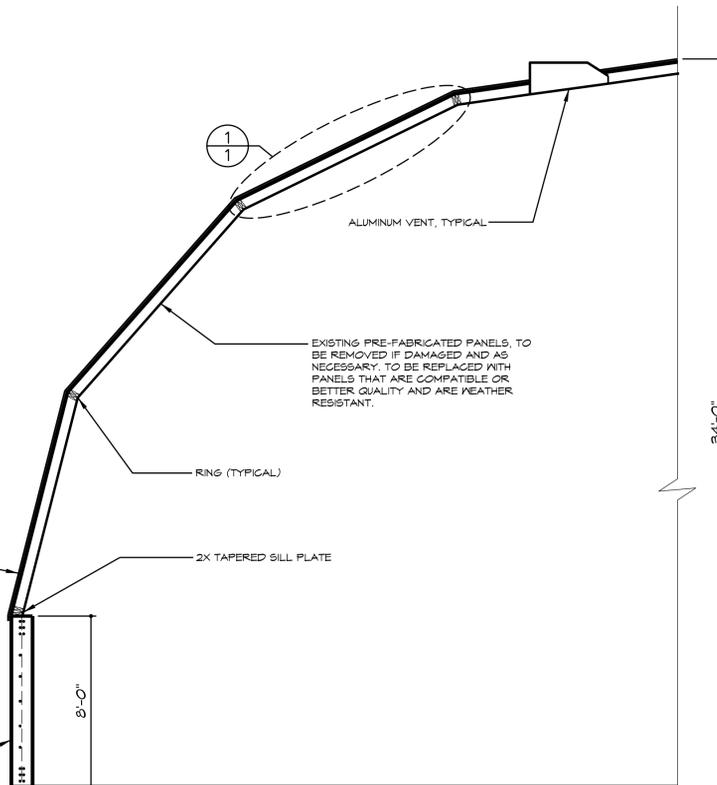
FLOOR PLAN
SCALE: 1/8"=1'-0"



ELEVATION
SCALE: 1/8"=1'-0"



FRAMING DETAIL
SCALE: N.T.S.



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

GENERAL NOTES

1. CONTRACTOR TO VISIT SITE PRIOR TO BIDDING
2. ROOF, 3/4" PLYWOOD UNDERLAYMENT AND FLASHING TO BE REPLACED AS NEEDED
3. RING SUPPORT TO BE REPLACED WITH NEW AND SIMILAR OR BETTER MATERIAL AS NEEDED
4. CONTRACTOR TO VERIFY ALL DIMENSIONS, ROOF SLOPES, AND LOCATIONS OF ROOF SYSTEMS IN THE FIELD
5. THE DOME IS 62'-0" IN DIAMETER
6. RAFTERS AND OTHER STRUCTURE TO REMAIN AND TO BE PROTECTED DURING RENOVATION
7. CONTRACTOR TO BUILD UP THE VENTS TO FINISH LEVEL
8. CONTRACTOR TO PROVIDE TREATMENT TO ENTIRE DOME (INCLUDING EXTERIOR CONCRETE WALLS)

NEOGARD PERMATHANE II SYSTEM

- PREP : SECURE ALL LOOSE SHINGLES AND RAISE THE ROOF VENTS OVER ENTIRE DOME
1. BASEF POLYURETHANE FOAM FE 348 AT A RATE OF 1 INCH THICK OVER ENTIRE DOME
 2. BASECOAT - NEOGARD URETHANE 70620 GREY BASECOAT AT A RATE OF 2 GALLONS PER 100 SQ FT
 3. TOPCOAT - NEOGARD URETHANE 70613 WHITE TOPCOAT AT A RATE OF 1 GALLON PER 100 SQ FT
 4. CONTRACTOR TO PROVIDE 10 YEAR WARRANTY, LABOR AND MATERIALS

DISTRICT: 06
COUNTY: CEDAR
PROJECT NUMBER: BG-4T21(001)-80-16

TIPTON, IOWA

SALT DOME RESTORATION
ROOF RESTORATION PLAN

OFFICE OF SUPPORT SERVICES
800 LINCOLN WAY
AMES, IOWA, 50010 (515)281-1299

DATE: 05 OCT 2015
DRAWN BY: DESIGN TEAM
APPROVED: J BURNES
REVISIONS:

SHEET NO. A-1

ANAMOSA DOME ROOF RESTORATION



SMARTER | SIMPLER | CUSTOMER DRIVEN

OFFICE OF SUPPORT SERVICES

800 LINCOLN WAY, AMES, IOWA 50010

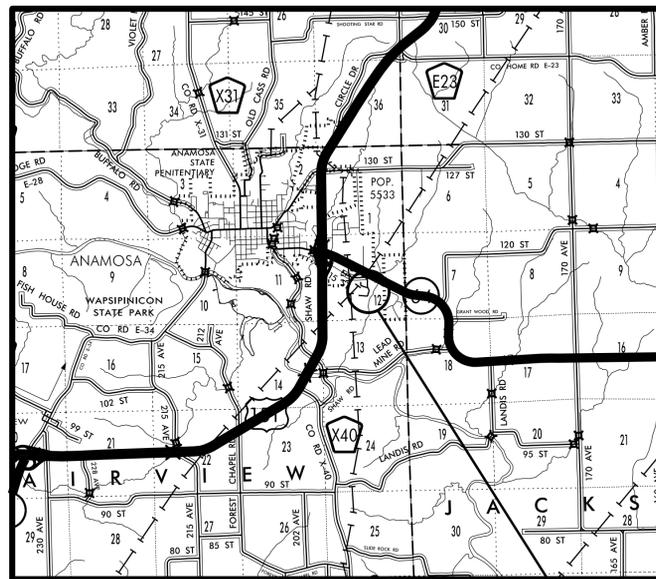
ANAMOSA

2040 HWY 64 EAST,
ANAMOSA, IOWA

Project #: BG-4A25(001) -80-53

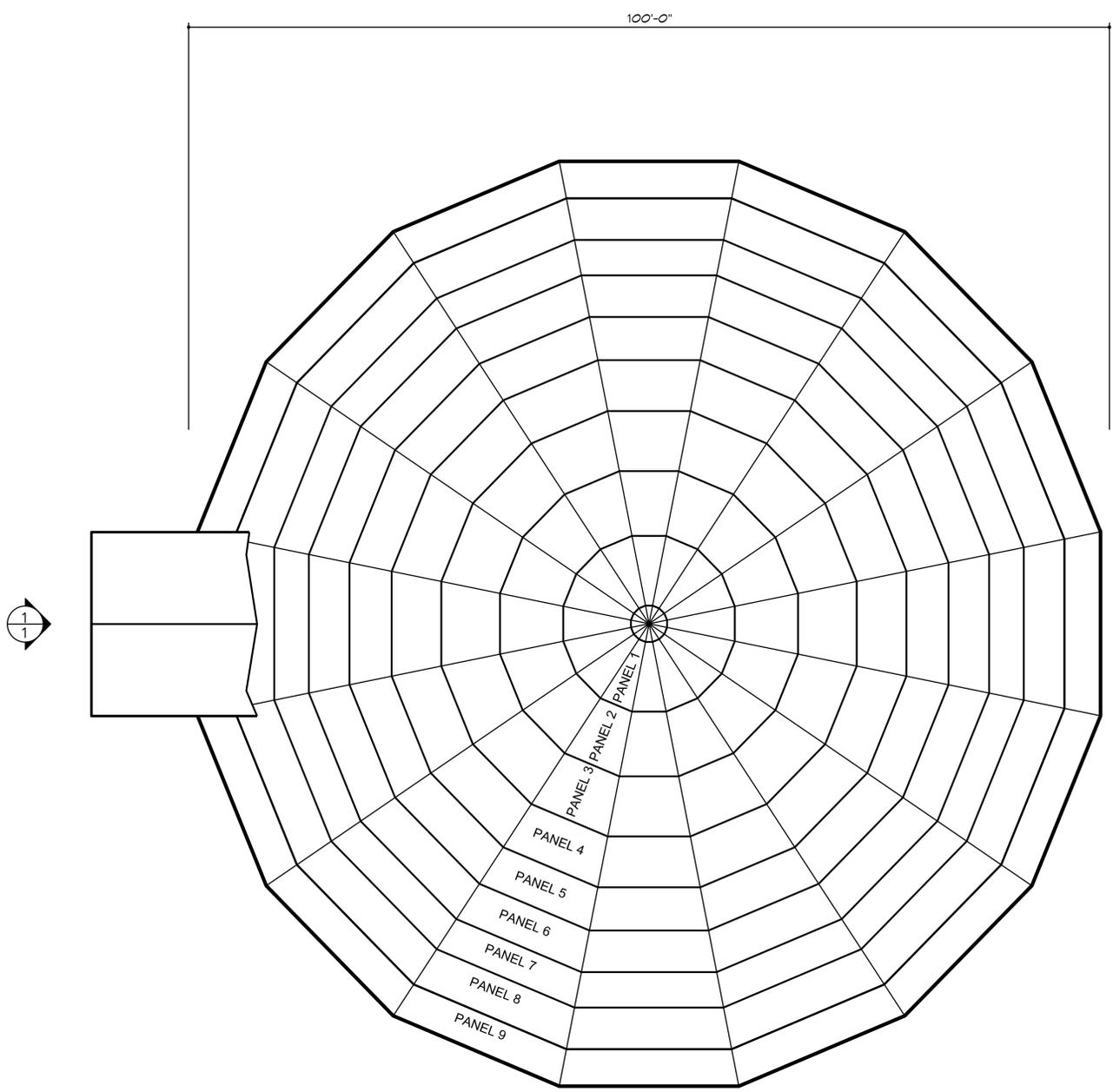
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A-1 ANAMOSA RESTORATION PLAN



PROJECT LOCATION

SCALE: 1"=1mi



DOME FLOOR PLAN
 SCALE: N.T.S.

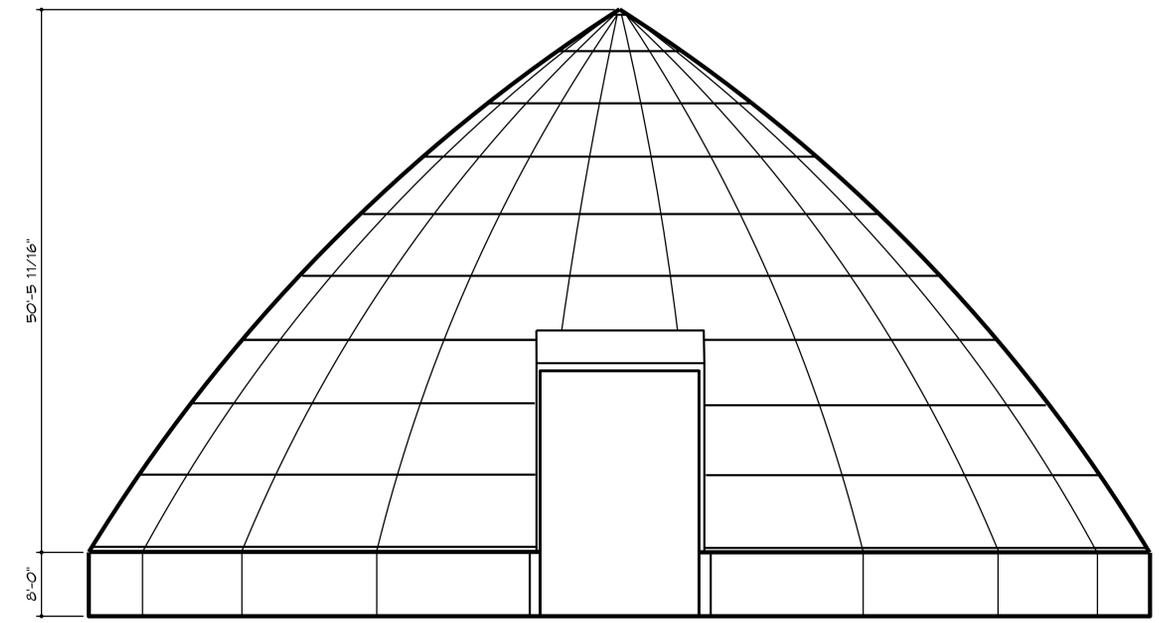


GENERAL NOTES

1. CONTRACTOR TO VISIT SITE PRIOR TO BIDDING
2. DETERIORATED ROOF TO BE REPLACED AS NEEDED
3. RING SUPPORT TO BE REPLACED WITH NEW AND SIMILAR OR BETTER MATERIAL AS NEEDED
4. CONTRACTOR TO VERIFY ALL DIMENSIONS, ROOF SLOPES, AND LOCATIONS OF ROOF SYSTEMS IN THE FIELD
5. THE DOME IS 100'-0" IN DIAMETER
6. RAFTER AND OTHER STRUCTURE TO REMAIN AND TO BE PROTECTED DURING RENOVATION
7. CONTRACTOR TO BUILD UP THE VENTS TO FINISH LEVEL
8. CONTRACTOR TO PROVIDE ENTIRE DOME WITH TREATMENT (INCLUDING EXTERIOR CONCRETE WALLS)

NEOGARD PERMATHANE II SYSTEM

- PREP : SECURE ALL LOOSE SHINGLES AND RAISE THE ROOF VENTS
1. BASF POLYURETHANE FOAM FE 348 AT A RATE OF 1 INCH THICK OVER ENTIRE DOME
 2. BASECOAT - NEOGARD URETHANE 70620 GREY BASECOAT AT A RATE OF 2 GALLONS PER 100 SQ FT
 3. TOPCOAT - NEOGARD URETHANE 70613 WHITE TOPCOAT AT A RATE OF 1 GALLON PER 100 SQ FT
 4. PROVIDE 10 YEAR WARRANTY, LABOR AND MATERIALS



TYPICAL ELEVATION
 SCALE: N.T.S.

MARION SALT DOME ROOF RESTORATION



SMARTER | SIMPLER | CUSTOMER DRIVEN

OFFICE OF SUPPORT SERVICES

800 LINCOLN WAY, AMES, IOWA 50010

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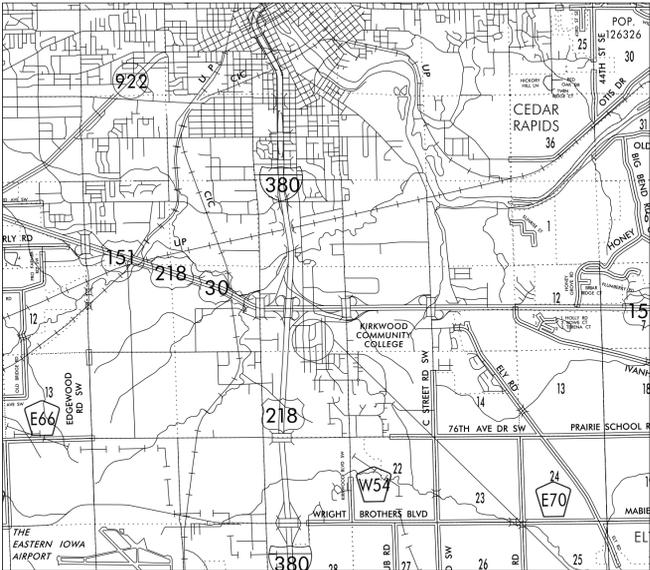
A-1 MARION RESTORATION PLAN

MARION

5801 LINN AIRE AVENUE

MARION, IOWA 52302

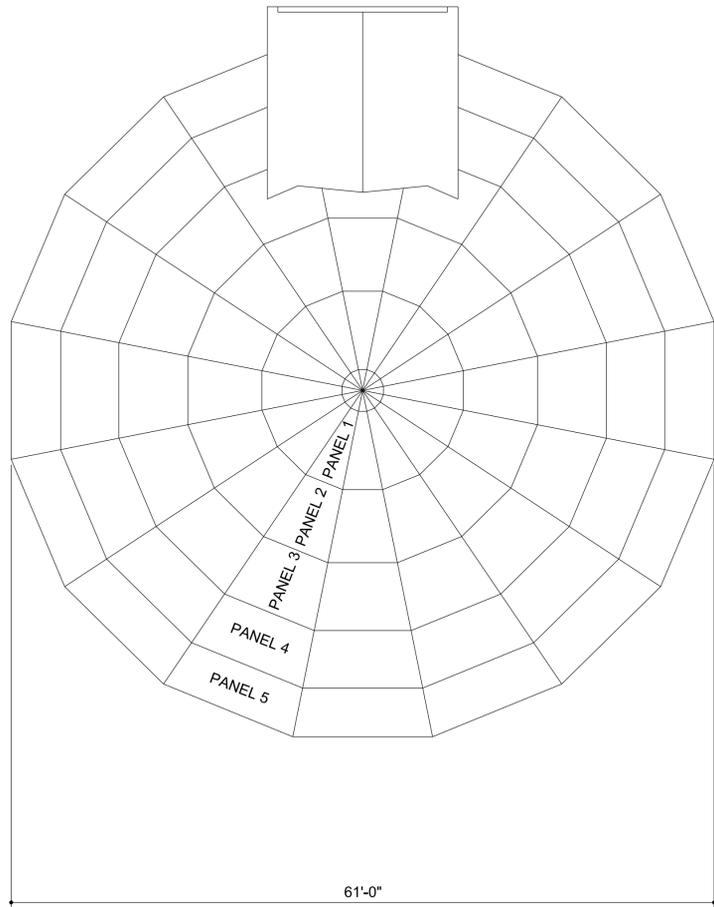
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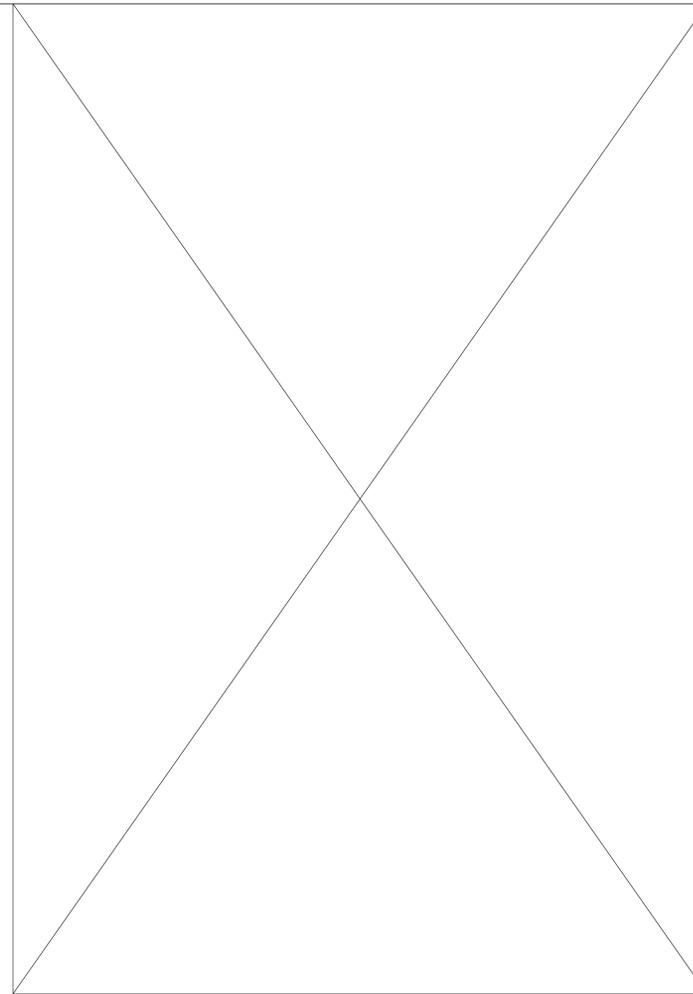
PROJECT LOCATION

SCALE: 1"=1mi

ENTIRE EXTERIOR OF DOME TO RECEIVE ROOFING SYSTEM (INCLUDING CONCRETE WALLS)



FLOOR PLAN
SCALE: N.T.S.

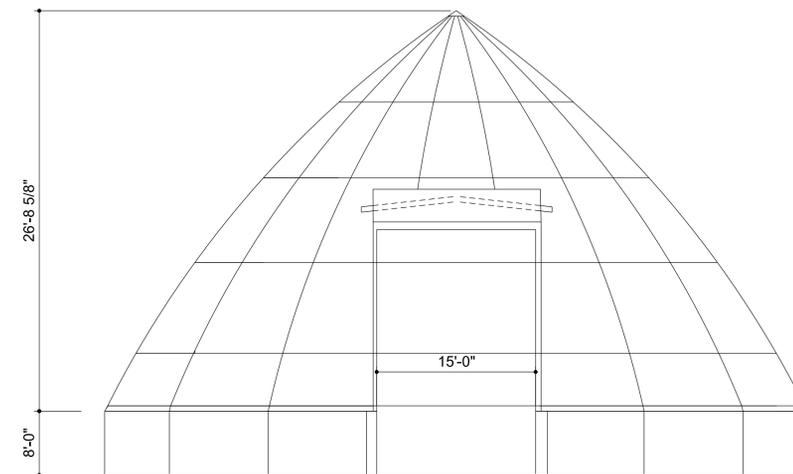


GENERAL NOTES

1. CONTRACTOR TO VISIT SITE PRIOR TO BIDDING
2. DETERIORATED ROOF TO BE REPLACED AS NEEDED
3. RING SUPPORT TO BE REPLACED WITH NEW AND SIMILAR OR BETTER MATERIAL AS NEEDED
4. CONTRACTOR TO VERIFY ALL DIMENSIONS, ROOF SLOPES, AND LOCATIONS OF ROOF SYSTEMS IN THE FIELD
5. THE DOME IS 82'-0" IN DIAMETER
6. RAFTERS AND OTHER STRUCTURE TO REMAIN AND TO BE PROTECTED DURING RENOVATION
7. CONTRACTOR TO BUILD UP THE VENTS TO FINISH LEVEL
8. CONTRACTOR TO PROVIDE ENTIRE DOME WITH TREATMENT (INCLUDING EXTERIOR CONCRETE WALLS)

NEOGARD PERMATHANE II SYSTEM

1. PREP : SECURE ALL LOOSE SHINGLES AND RAISE THE ROOF VENTS OVER ENTIRE DOME
2. BASF POLYURETHANE FOAM FE 348 AT A RATE OF 1 INCH THICK OVER ENTIRE DOME
3. BASECOAT - NEOGARD URETHANE 70620 GREY BASECOAT AT A RATE OF 2 GALLONS PER 100 SQ FT
4. TOPCOAT - NEOGARD URETHANE 70613 WHITE TOPCOAT AT A RATE OF 1 GALLON PER 100 SQ FT
5. CONTRACTOR TO PROVIDE 10 YEAR WARRANTY, LABOR AND MATERIALS



TYPICAL ELEVATION
SCALE: N.T.S.

DISTRICT: 06
COUNTY: LINN

MARION, IOWA

SALT DOME RESTORATION



DATE: 05 OCT 2015
DRAWN BY: DESIGN TEAM
APPROVED: J BURNES
REVISIONS:

SHEET: A-1
OF

PROJECT NUMBER: BG-4M42(001)--80-57

ROOF RESTORATION PLAN

DAVENPORT DOME ROOF RESTORATION



SMARTER | SIMPLER | CUSTOMER DRIVEN

OFFICE OF SUPPORT SERVICES

800 LINCOLN WAY, AMES, IOWA 50010

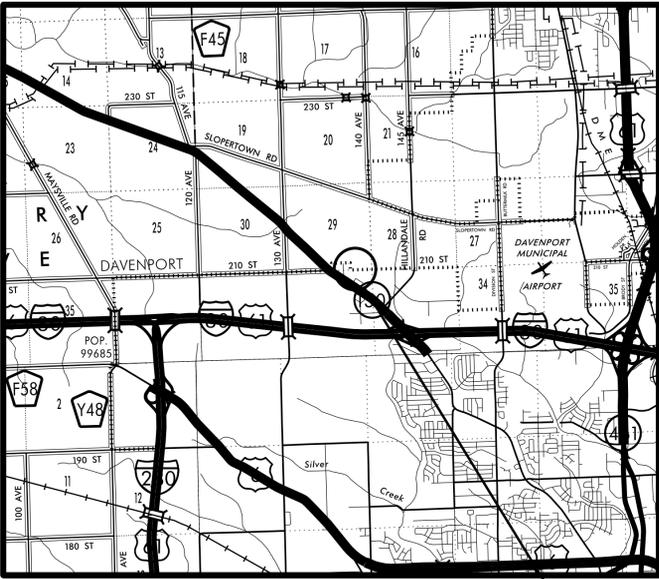
DAVENPORT

8721 NW BLVD,
DAVENPORT, IOWA

Project #: BG-4D31(001) -80-82

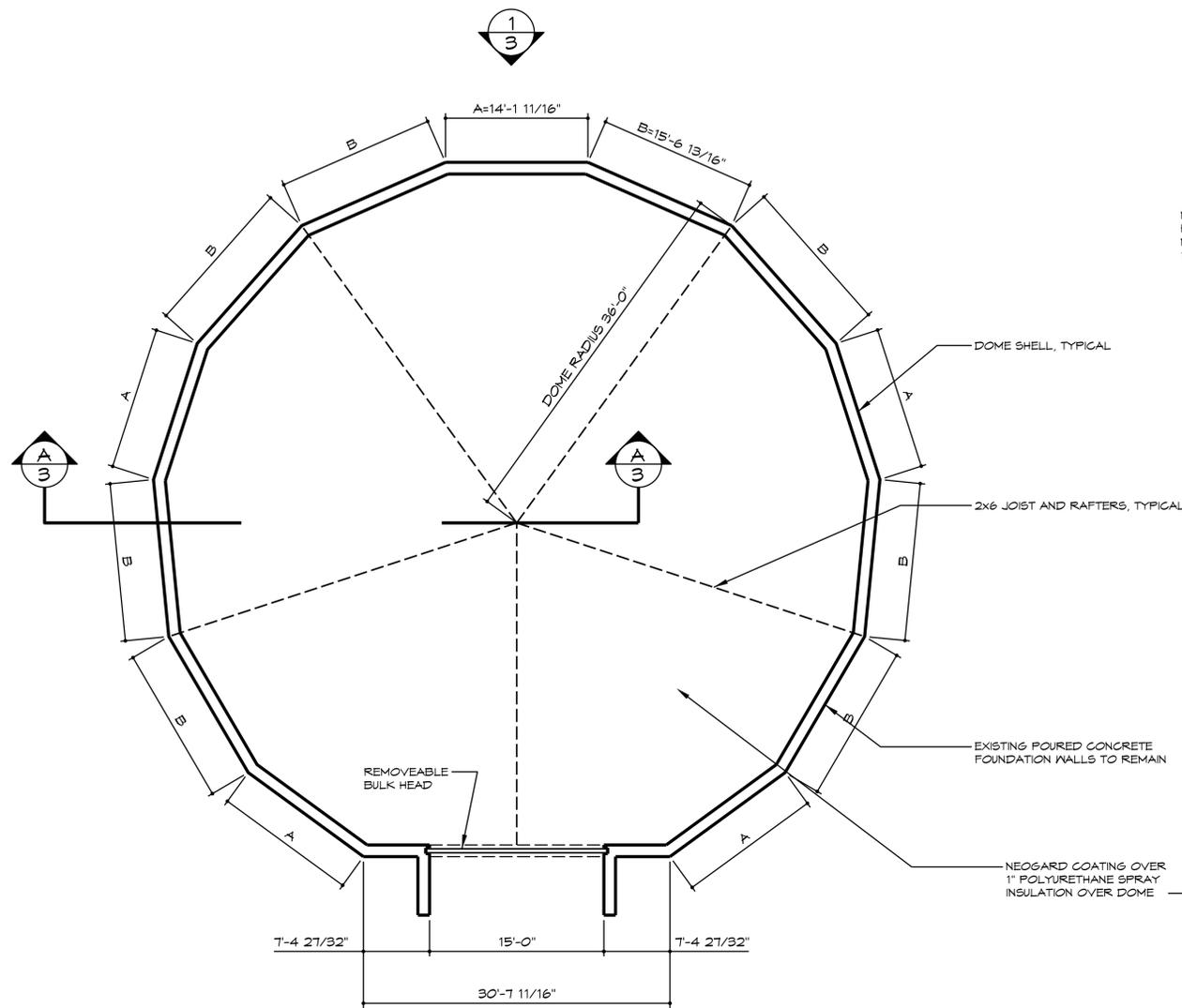
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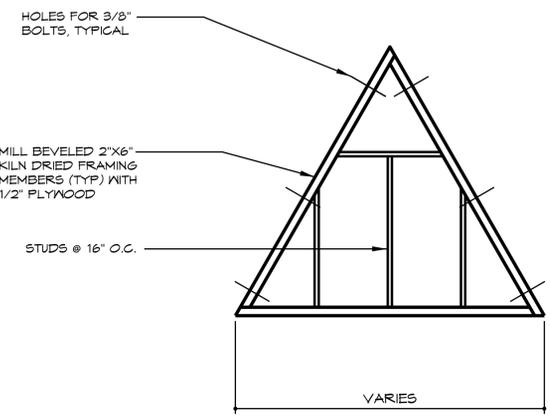


PROJECT LOCATION

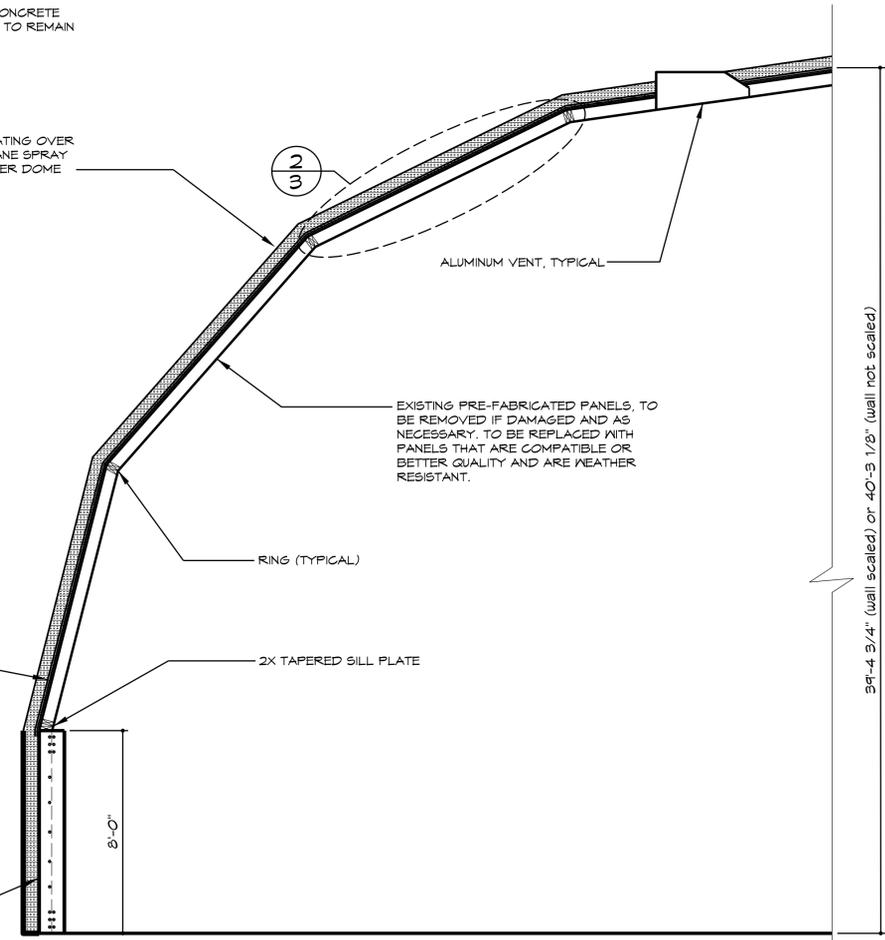
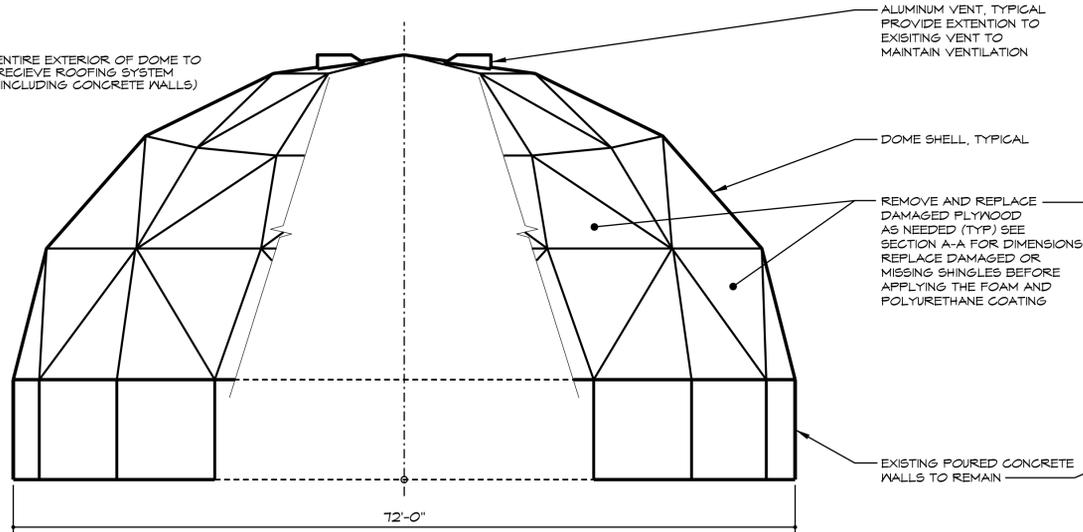
SCALE: 1"=1mi



FLOOR PLAN
SCALE: 1/8"=1'-0"



FRAMING DETAIL
SCALE: N.T.S.



GENERAL NOTES

1. CONTRACTOR TO VISIT SITE PRIOR TO BIDDING
2. ROOF, 3/4" PLYWOOD UNDERLAYMENT AND FLASHING TO BE REPLACED AS NEEDED
3. RING SUPPORT TO BE REPLACED WITH NEW AND SIMILAR OR BETTER MATERIAL AS NEEDED
4. CONTRACTOR TO VERIFY ALL DIMENSIONS, ROOF SLOPES, AND LOCATIONS OF ROOF SYSTEMS IN THE FIELD
5. THE DOME IS 72'-0" IN DIAMETER (VERIFY IN FIELD)
6. RAFTERS AND OTHER STRUCTURE TO REMAIN AND TO BE PROTECTED DURING RENOVATION
7. CONTRACTOR TO BUILD UP THE VENTS TO FINISH LEVEL
8. CONTRACTOR TO PROVIDE TREATMENT TO ENTIRE DOME (INCLUDING EXTERIOR CONCRETE WALLS)

NEOGARD PERMATHANE III SYSTEM

- PREP: SECURE ALL LOOSE SHINGLES AND RAISE THE ROOF VENTS OVER ENTIRE DOME
1. BASE POLYURETHANE FOAM FE 348 AT A RATE OF 1 INCH THICK OVER ENTIRE DOME
 2. BASECOAT - NEOGARD URETHANE T0620 GREY BASECOAT AT A RATE OF 2 GALLONS PER 100 SQ FT
 3. INTERMEDIATE AND TOPCOAT - NEOGARD URETHANE T0630 WHITE TOPCOAT AT A RATE OF 1 GALLON PER 100 SQ FT
 4. CONTRACTOR TO PROVIDE 10 YEAR WARRANTY, LABOR AND MATERIALS

DISTRICT:	06
COUNTY:	SCOTT
CITY:	DAVENPORT, IOWA
PROJECT NUMBER:	BG-4D31(001) -80-82
SALT DOME RESTORATION	
ROOF RESTORATION PLAN	
DATE:	05 OCT 2015
DRAWN BY:	DESIGN TEAM
APPROVED:	J BURNES
REVISIONS:	
SHEET:	OF
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