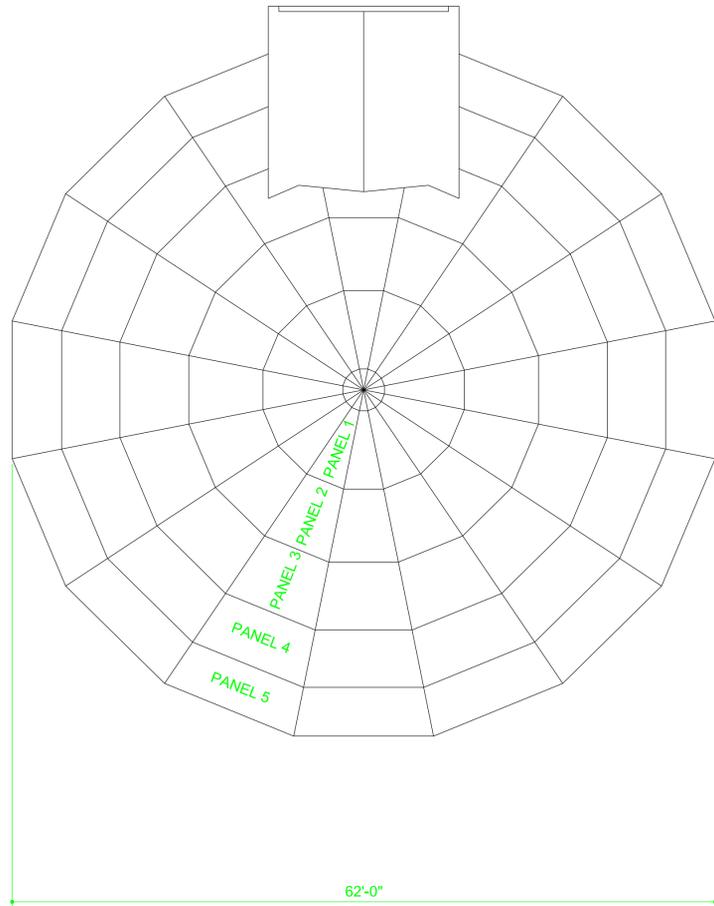


ENTIRE EXTERIOR OF DOME TO RECEIVE ROOFING SYSTEM (INCLUDING CONCRETE WALLS)



FLOOR PLAN
SCALE: N.T.S.

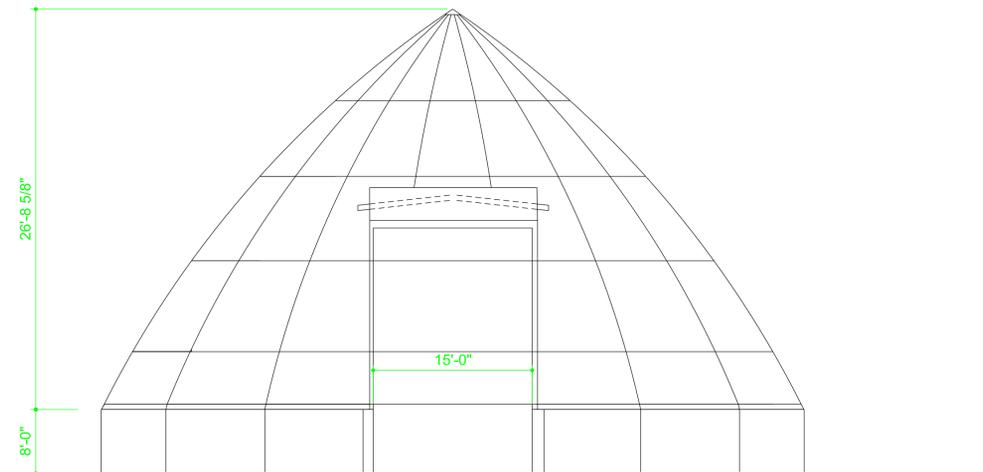


GENERAL NOTES

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 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 ENTIRE DOME WITH TREATMENT (INCLUDING EXTERIOR CONCRETE WALLS)

COATED FOAMED ROOFING SYSTEM

1. PREP : SECURE ALL LOOSE SHINGLES AND RAISE THE ROOF VENTS
2. POLYURETHANE FOAM INSULATION OF 1 INCH MINIMUM THICKNESS OVER ENTIRE DOME.
3. PROVIDE URETHANE OVERCOATING TWO OR THREE PARTS WITH TOP COAT PER MANUFACTURER'S RECOMMENDATION TO MINIMUM THICKNESS OF 36 DRY MILS.



TYPICAL ELEVATION
SCALE: N.T.S.

DISTRICT: 02
COUNTY: WORTH

HANLONTOWN, IOWA

PROJECT NUMBER: BG-4H21(001)--80-98

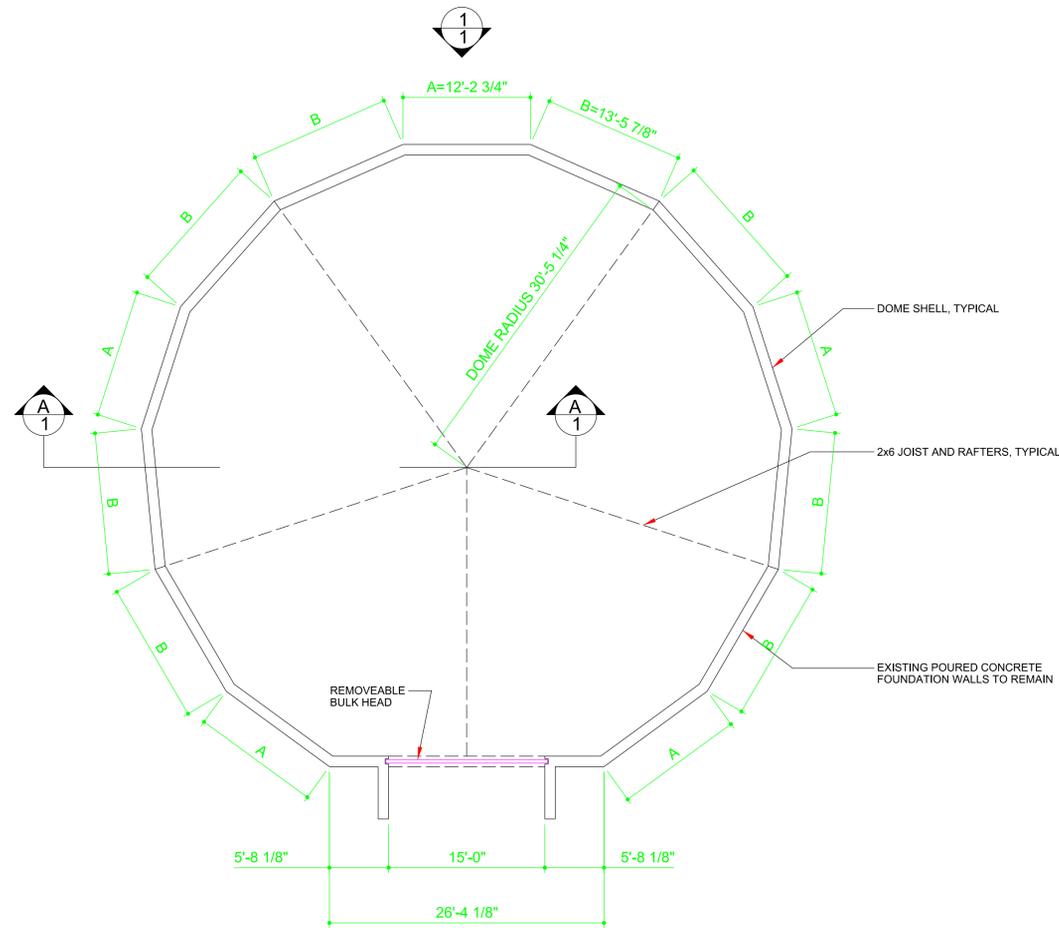
SALT DOME RESTORATION

ROOF RESTORATION PLAN



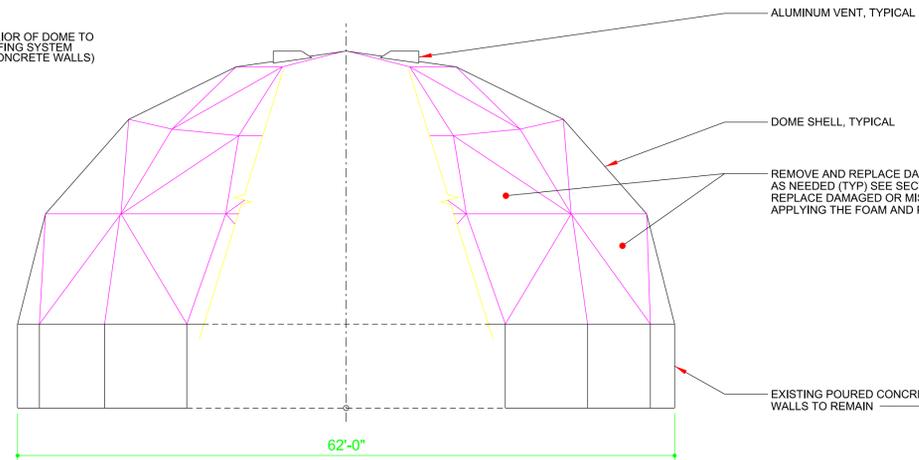
DATE: 05 OCT 2015
DRAWN BY: DESIGN TEAM
APPROVED: J BURNES
REVISIONS: 1-4-2016

SHEET OF A-1R

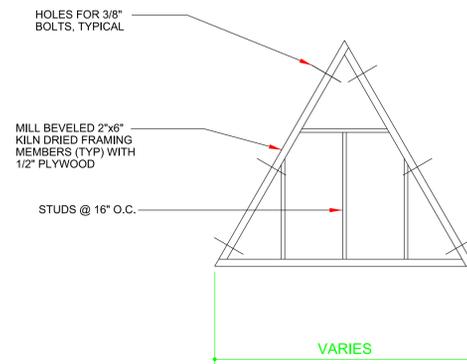


FLOOR PLAN
SCALE: 1/8"=1'-0"

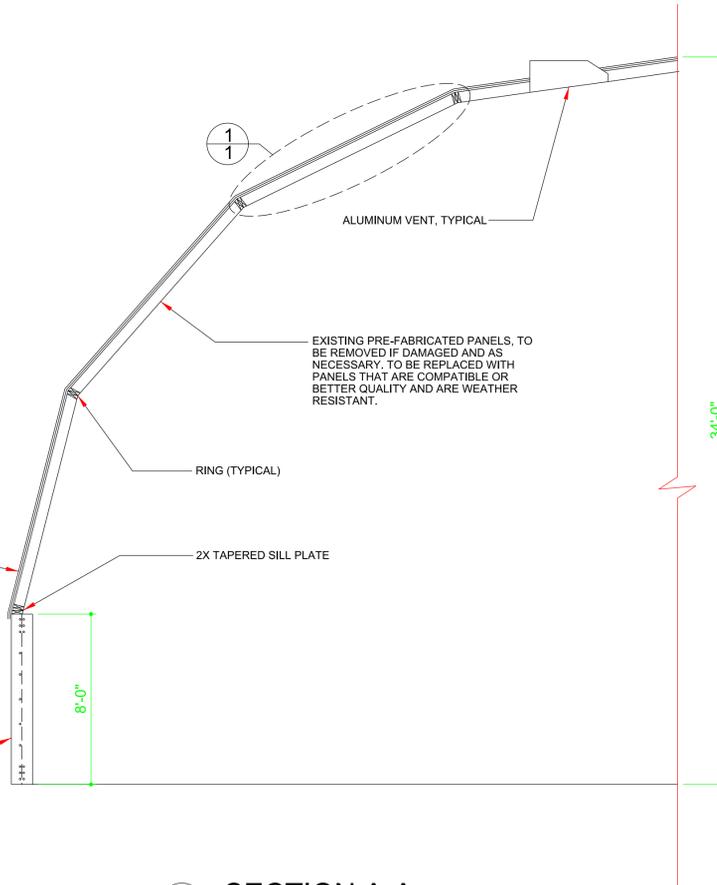
ENTIRE EXTERIOR OF DOME TO
REQUIE ROOFING SYSTEM
(INCLUDING CONCRETE WALLS)



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)

COATED FOAMED ROOFING SYSTEM

- PREP : SECURE ALL LOOSE SHINGLES AND RAISE THE ROOF VENTS
1. POLYURETHANE FOAM INSULATION AT 1 INCH MINIMUM THICKNESS OVER ENTIRE DOME.
 2. PROVIDE URETHANE OVERCOATING OF TWO OR THREE PARTS WITH A TOP COAT PER MANUFACTURER'S RECOMMENDATION TO MINIMUM THICKNESS OF 36 DRY MILLS.

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

DESOTO, IOWA

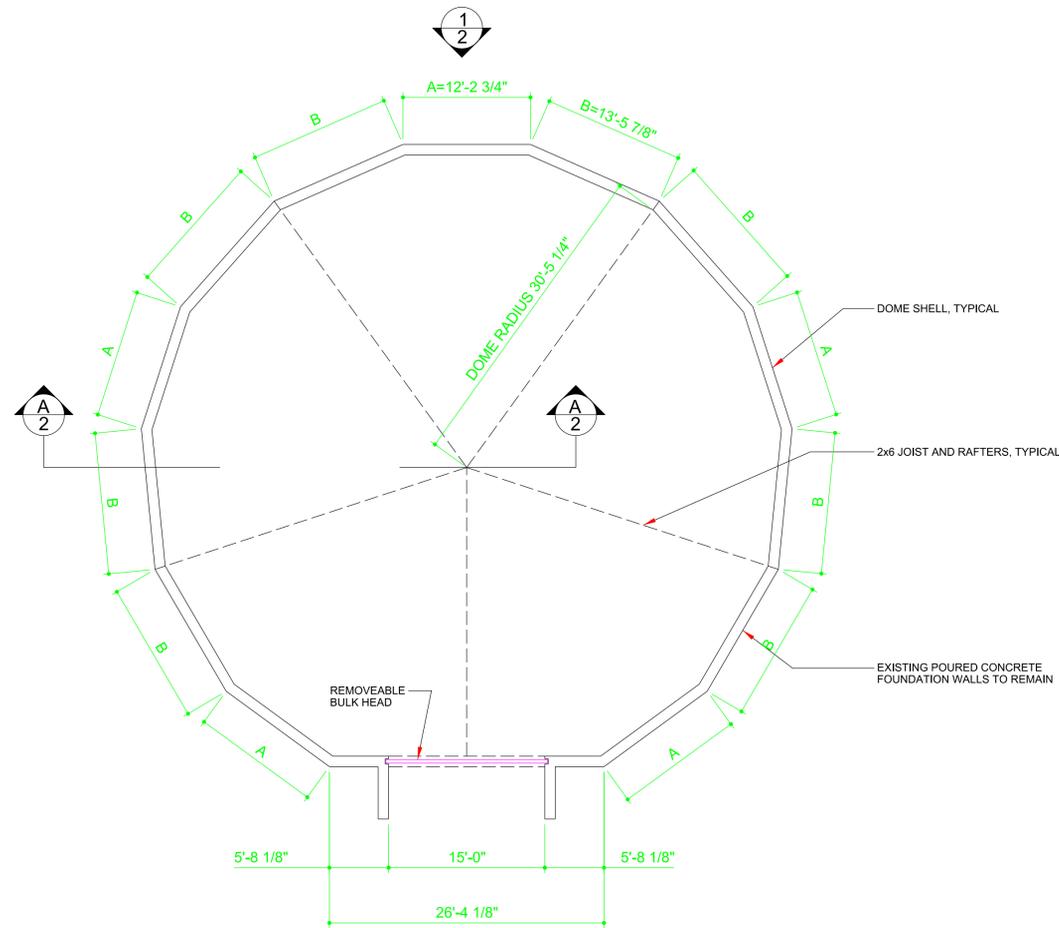
SALT DOME RESTORATION
ROOF RESTORATION PLAN

IOWADOT
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: 1-4-2016

SHEET OF
A-1R

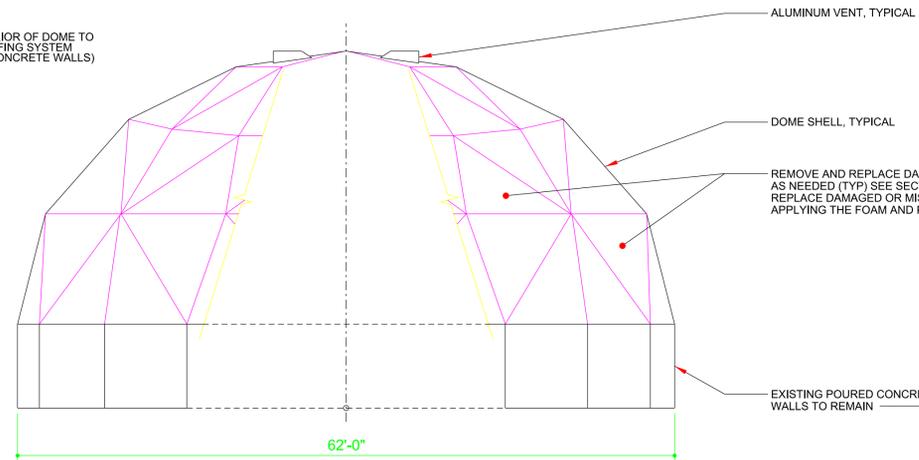
DGN_LOC



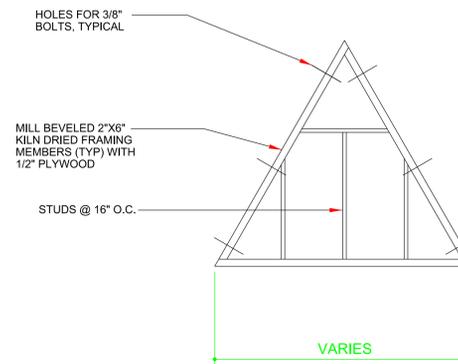
FLOOR PLAN
SCALE: 1/8"=1'-0"



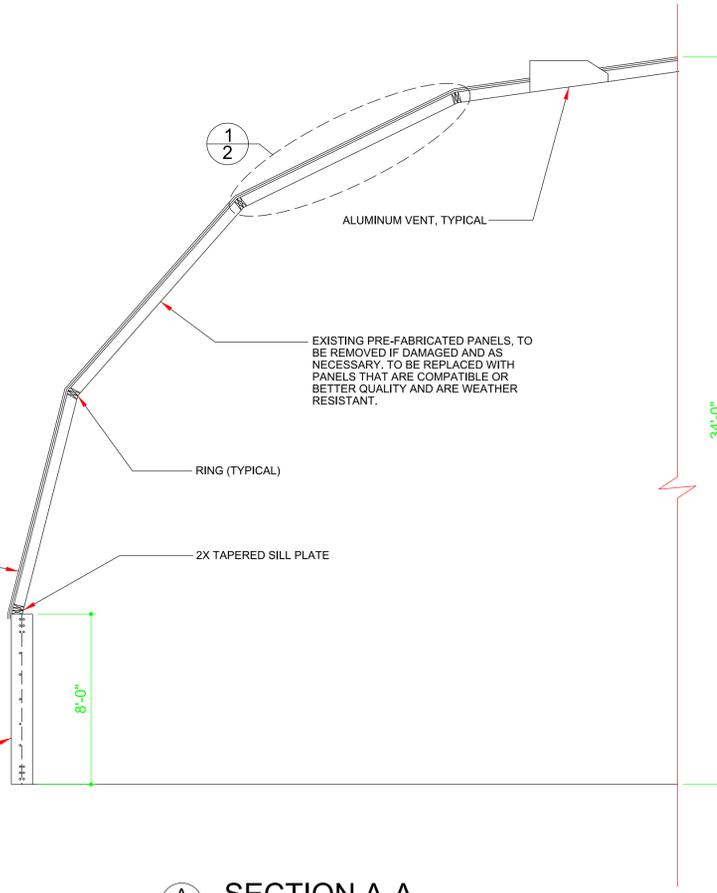
ENTIRE EXTERIOR OF DOME TO
REQUIE ROOFING SYSTEM
(INCLUDING CONCRETE WALLS)



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)

COATED FOAMED ROOFING SYSTEM

- PREP : SECURE ALL LOOSE SHINGLES AND RAISE THE ROOF VENTS
1. POLYURETHANE FOAM INSULATION AT 1 INCH MINIMUM THICKNESS OVER ENTIRE DOME
 2. PROVIDE URETHANE OVERCOATING TWO OR THREE PARTS WITH A TOP COAT PER MANUFACTURER'S RECOMMENDATION TO MINIMUM THICKNESS OF 36 DRY MILLS.

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

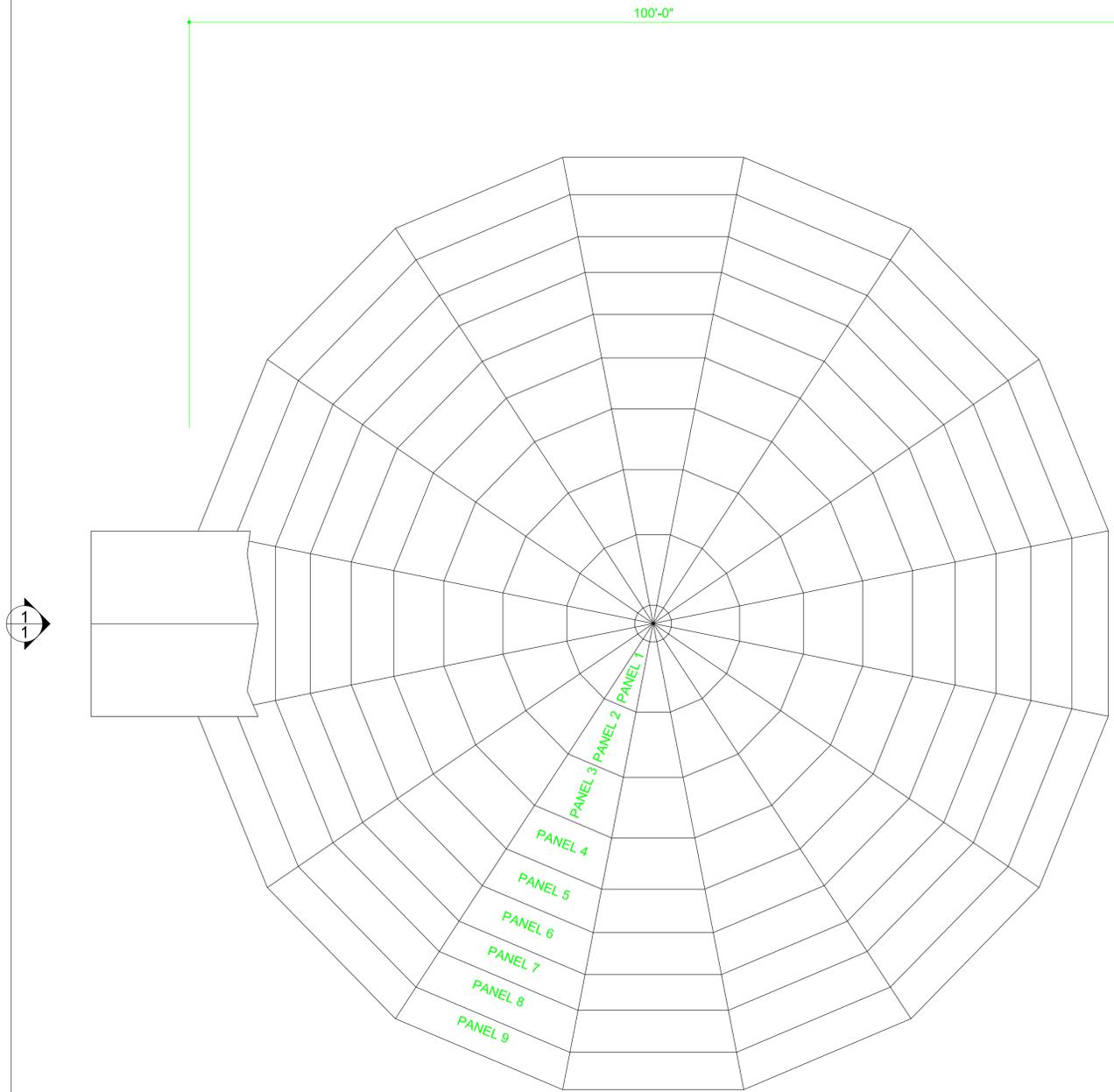
SIDNEY, IOWA

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: 1-4-2016

SHEET: OF
A-1R



DOME FLOOR PLAN
SCALE: N.T.S.



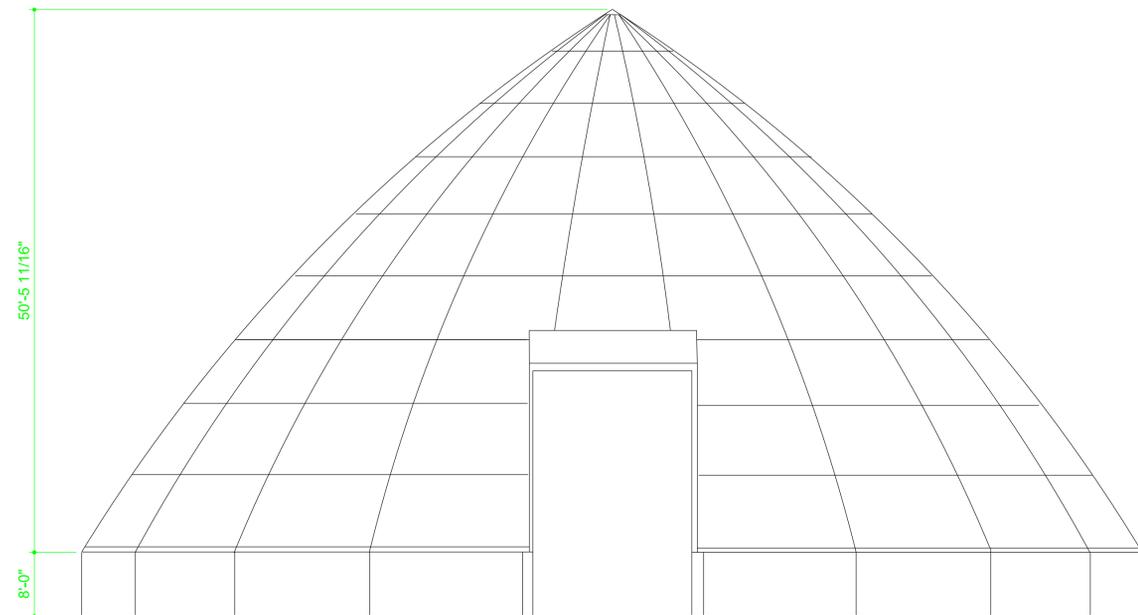
GENERAL NOTES

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)

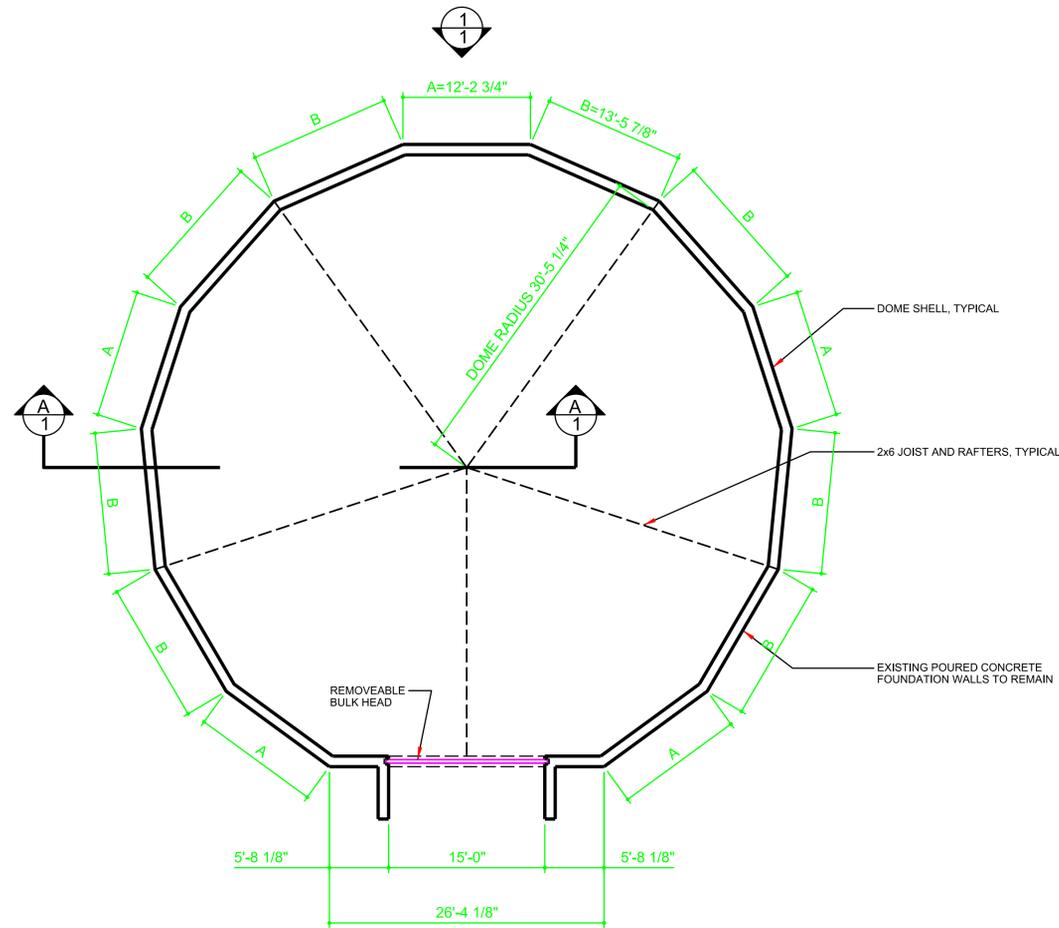
COATED FOAMED ROOFING SYSTEM

PREP : SECURE ALL LOOSE SHINGLES AND RAISE THE ROOF VENTS

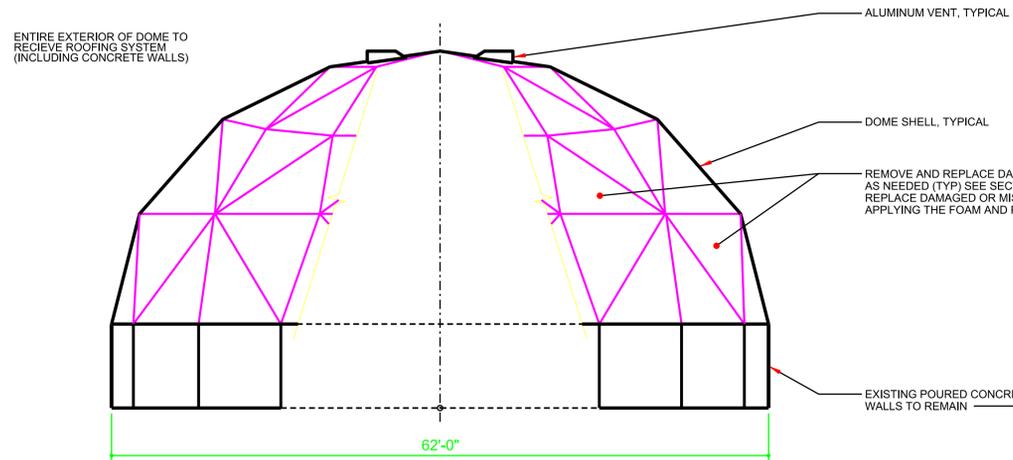
1. POLYURETHANE FOAM INSULATION AT A 1 INCH THICKNESS MINIMUM OVER ENTIRE DOME
2. PROVIDE URETHANE OVERCOATING OF TWO OR THREE PARTS WITH TOP COAT PER MANUFACTURER'S RECOMMENDATION TO MINIMUM THICKNESS OF 36 DRY MILS.



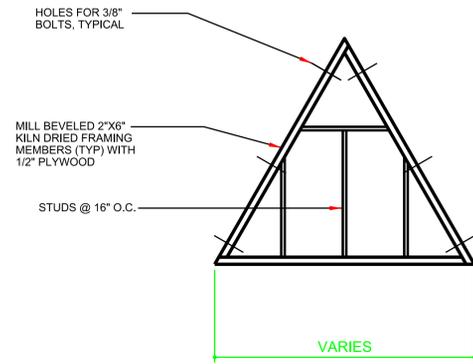
TYPICAL ELEVATION
SCALE: N.T.S.



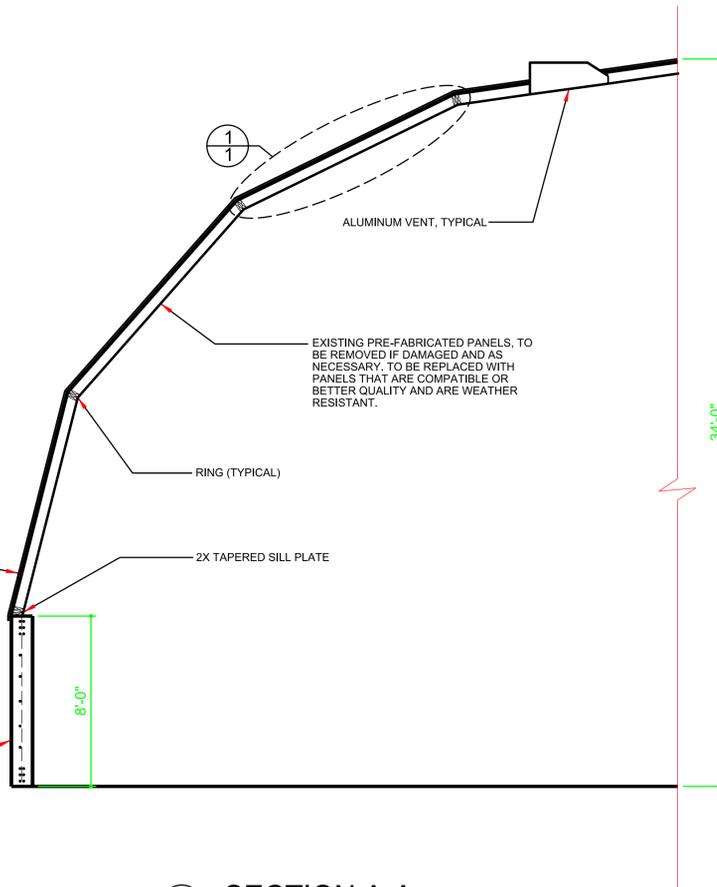
FLOOR PLAN
SCALE: 1/8"=1'-0"



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)

COATED FOAMED ROOFING SYSTEM

- PREP : SECURE ALL LOOSE SHINGLES AND RAISE THE ROOF VENTS
1. POLYURETHANE FOAM INSULATION OF 1 INCH MINIMUM THICKNESS OVER ENTIRE DOME.
 2. PROVIDE URETHANE OVERCOATING OF TWO OR THREE PARTS WITH TOP COAT PER MANUFACTURER'S RECOMMENDATION TO MINIMUM THICKNESS OF 36 DRY MILS.

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

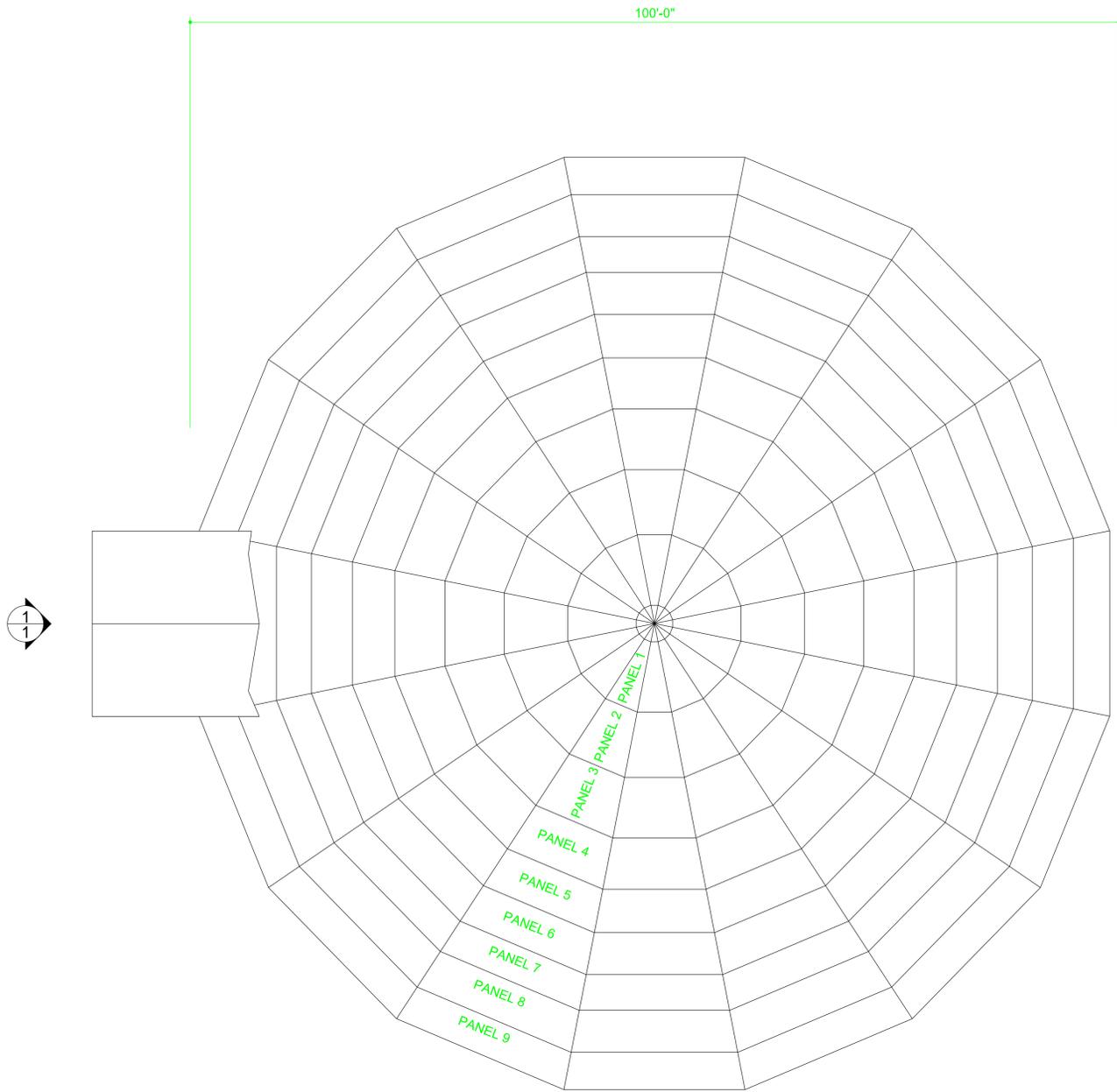
TIPTON, IOWA

SALT DOME RESTORATION
ROOF RESTORATION PLAN

IOWA DOT
SMARTER, SIMPLER, CUSTOMER DRIVEN
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: 1-4-2016

SHEET OF
A-1R



DOME FLOOR PLAN
SCALE: N.T.S.



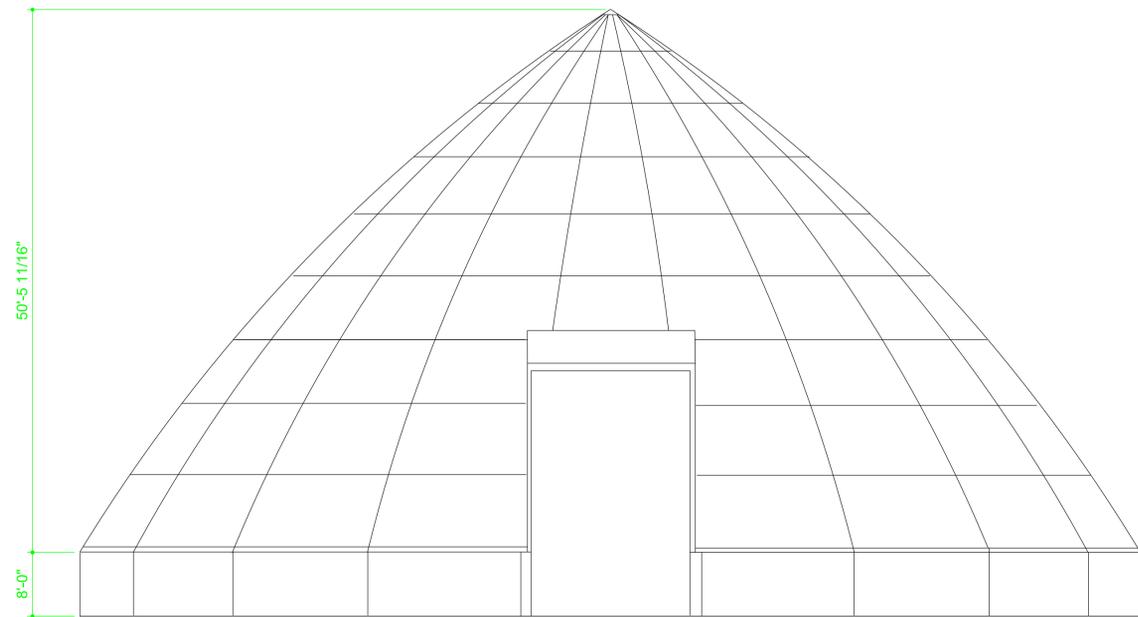
GENERAL NOTES

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)

COATED FOAMED ROOFING SYSTEM

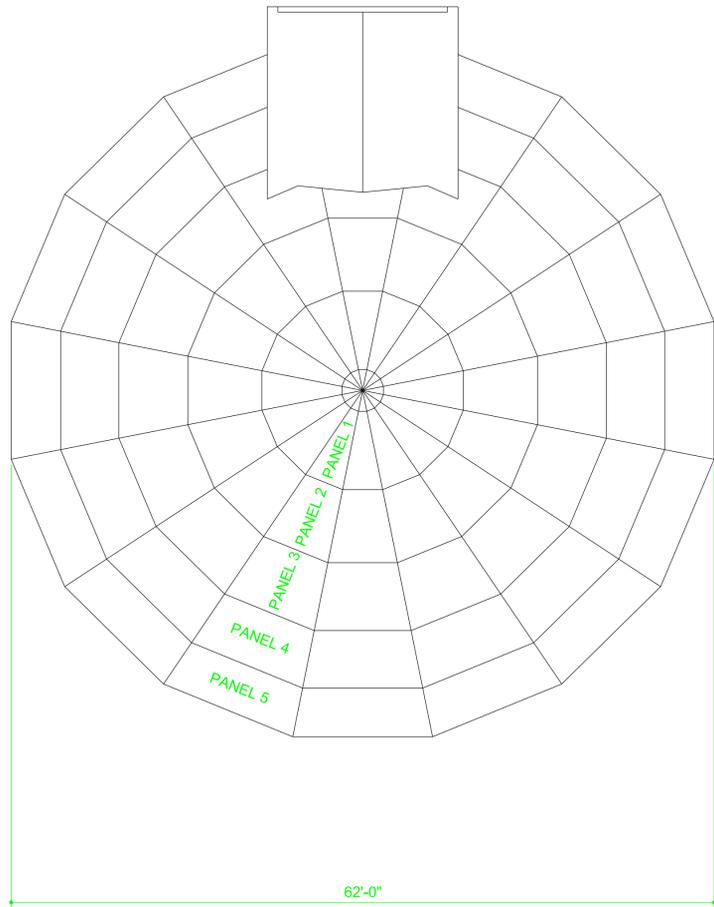
PREP : SECURE ALL LOOSE SHINGLES AND RAISE THE ROOF VENTS

1. POLYURETHANE FOAM INSULATION OF 1 INCH MINIMUM THICKNESS OVER ENTIRE DOME.
2. PROVIDE URETHANE OVERCOATING OF TWO OR THREE PARTS WITH TOP COAT PER MANUFACTURER'S RECOMMENDATION TO MINIMUM THICKNESS OF 36 DRY MILS.



TYPICAL ELEVATION
SCALE: N.T.S.

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



FLOOR PLAN
SCALE: N.T.S.

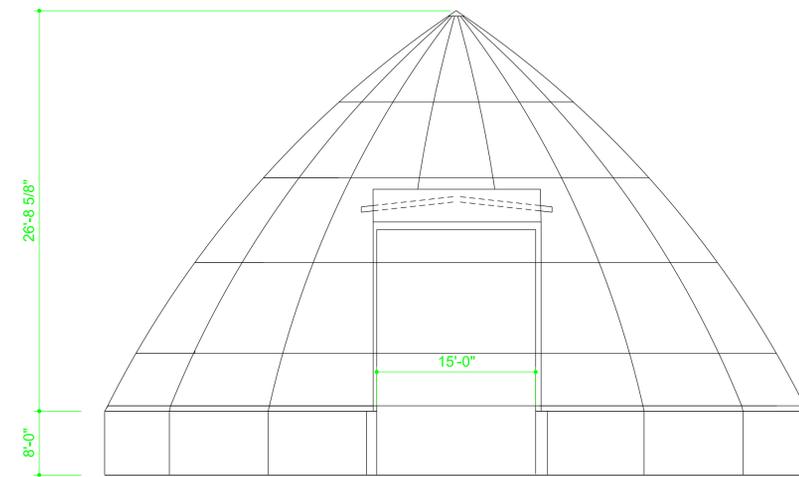


GENERAL NOTES

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 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 ENTIRE DOME WITH TREATMENT (INCLUDING EXTERIOR CONCRETE WALLS)

COATED FOAMED ROOFING SYSTEM

- PREP : SECURE ALL LOOSE SHINGLES AND RAISE THE ROOF VENTS
1. POLYURETHANE FOAM INSULATION OF 1 INCH MINIMUM THICKNESS OVER ENTIRE DOME.
 2. PROVIDE URETHANE OVERCOATING OF TWO OR THREE PARTS WITH TOP COAT PER MANUFACTURER'S RECOMMENDATION TO MINIMUM THICKNESS OF 36 DRY MILS.



TYPICAL ELEVATION
SCALE: N.T.S.

DISTRICT: 06
COUNTY: LINN

MARION, IOWA

SALT DOME RESTORATION

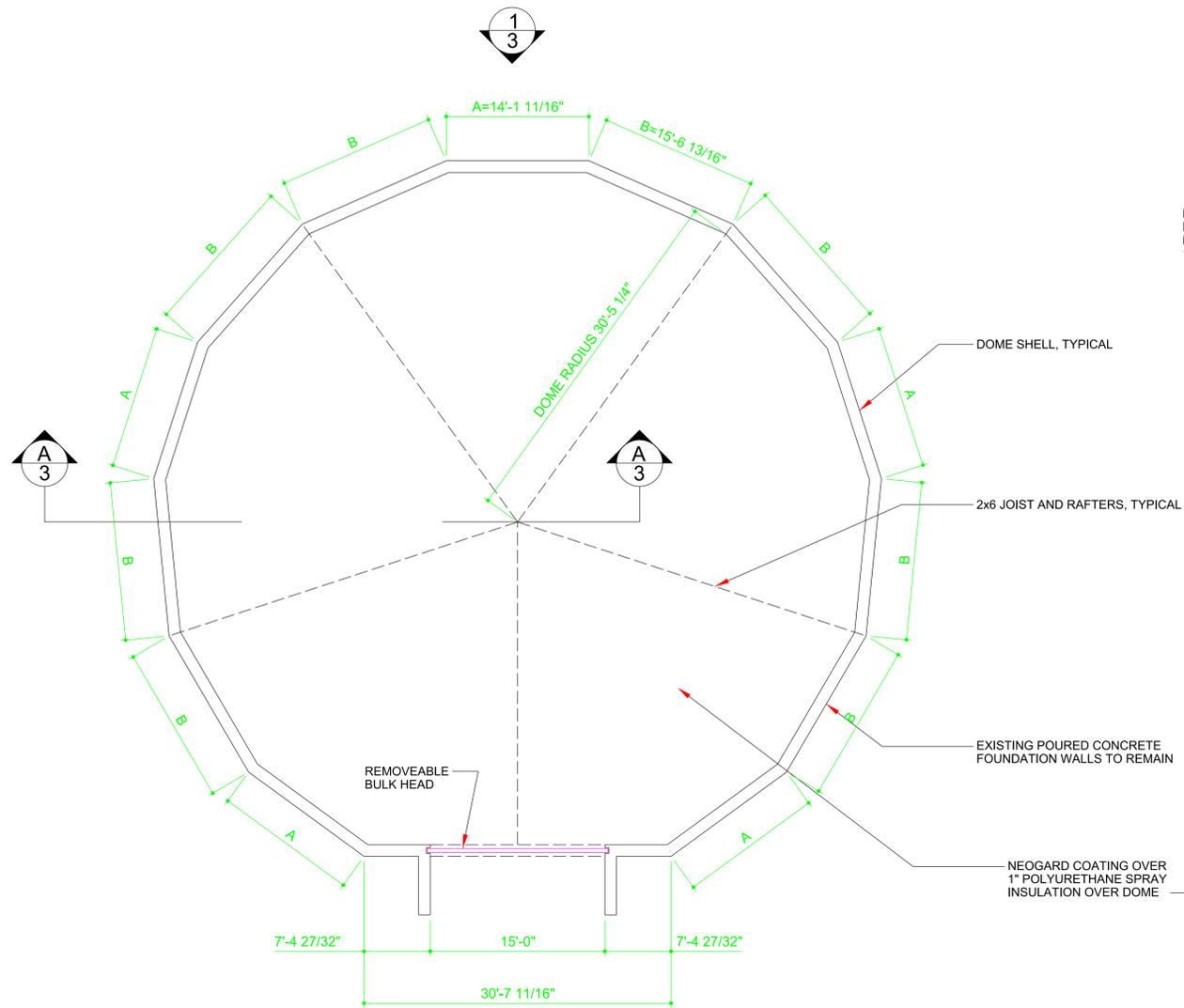
ROOF RESTORATION PLAN

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

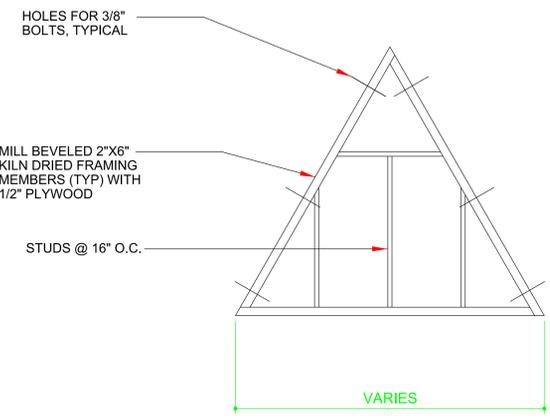
DATE: 05 OCT 2015
DRAWN BY: DESIGN TEAM
APPROVED: J BURNES
REVISIONS: 1-4-2016

SHEET: OF
A-1R

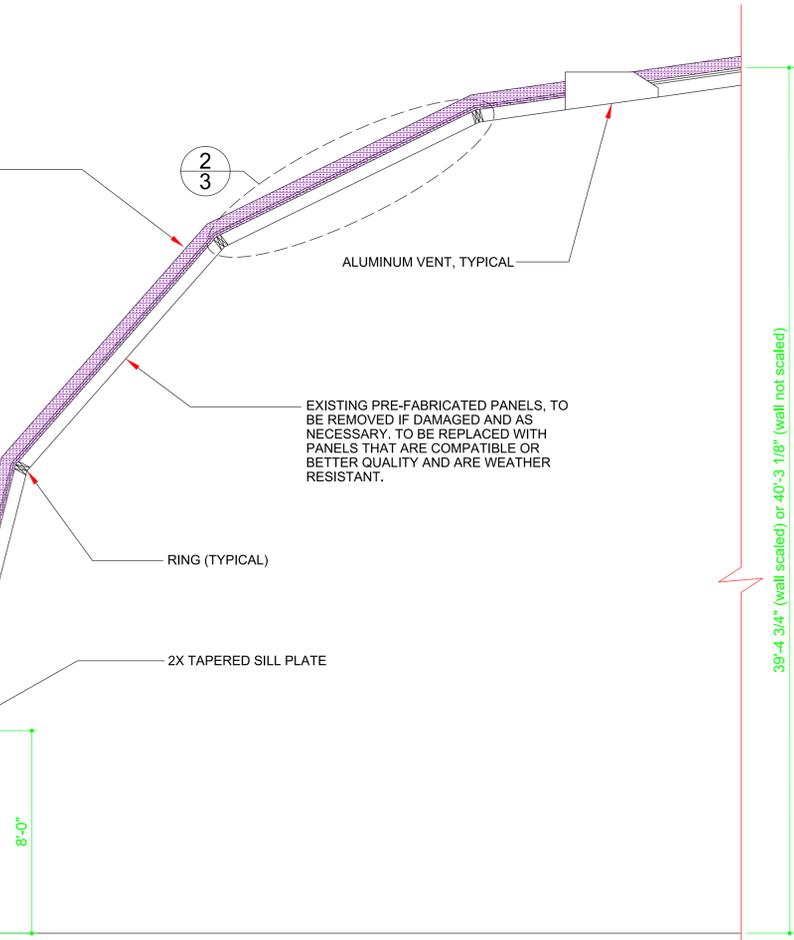
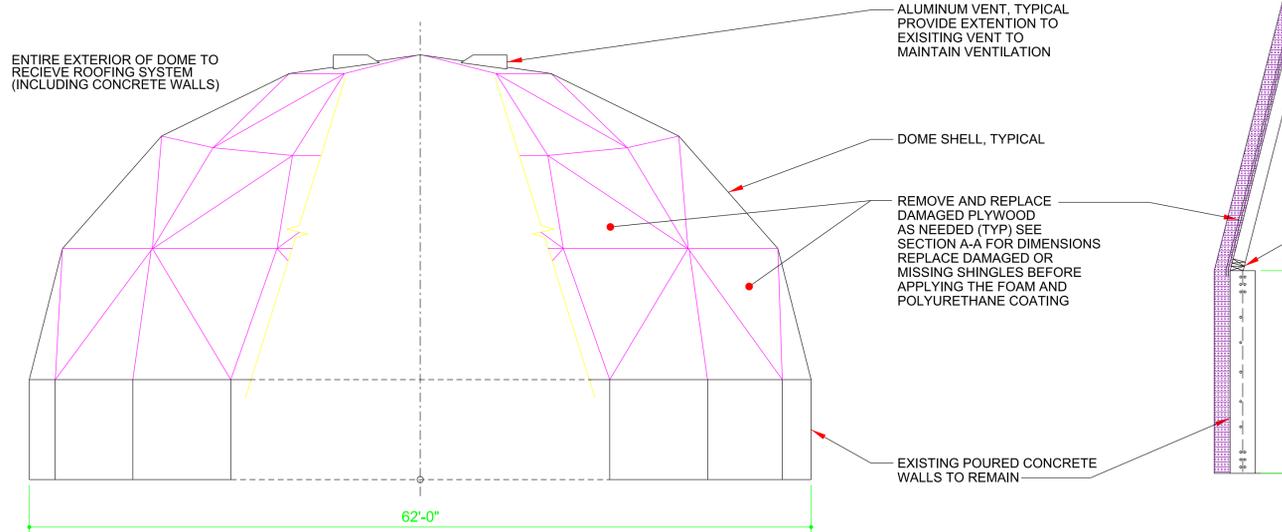
DGN_LOC



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



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 62'-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)

COATED FOAMED ROOFING SYSTEM

- PREP : SECURE ALL LOOSE SHINGLES AND RAISE THE ROOF VENTS
1. POLYURETHANE FOAM INSULATION OF 1 INCH MINIMUM THICKNESS OVER ENTIRE DOME.
 2. PROVIDE URETHANE OVERCOATING OF TWO OR THREE PARTS WITH TOP COAT PER MANUFACTURER'S RECOMMENDATION TO MINIMUM THICKNESS OF 36 DRY MILLS.

DISTRICT: 06

COUNTY: SCOTT
PROJECT NUMBER: BG-4D31(001) -80-82

DAVENPORT, IOWA

SALT DOME RESTORATION
ROOF RESTORATION PLAN

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: 1-4-2016

SHEET: OF
A-1R

DGN_LOC