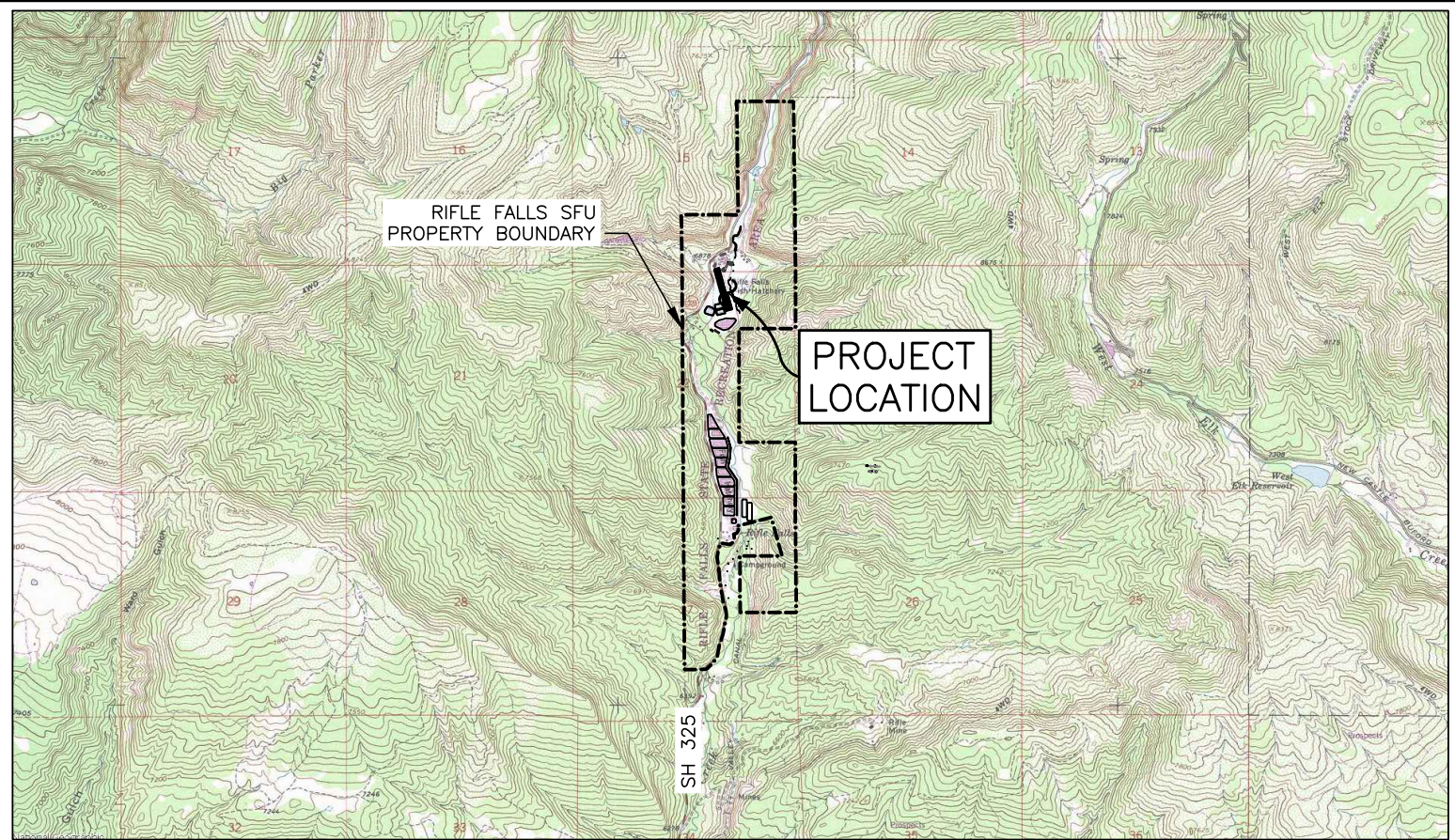
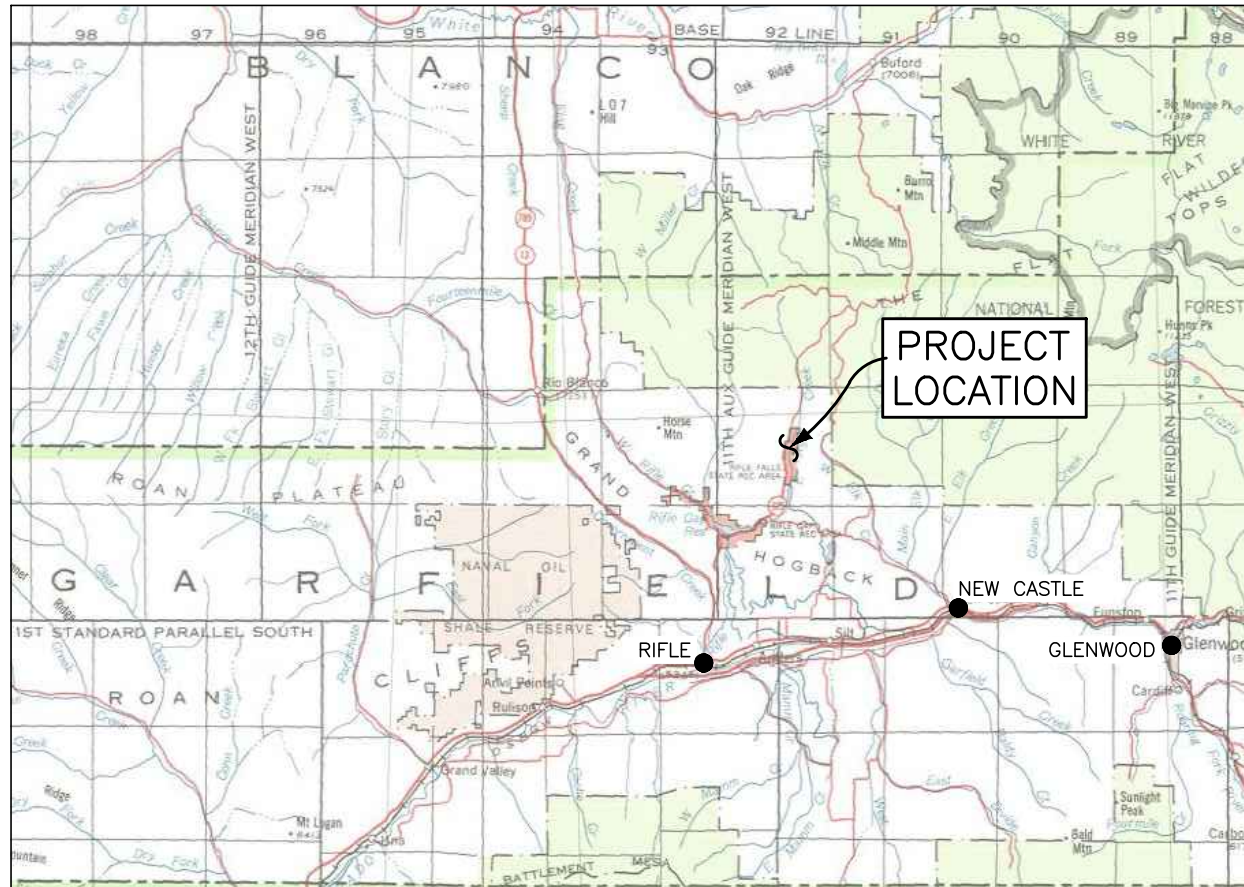


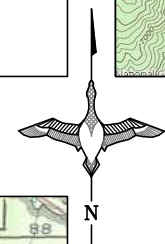
STATE MAP



PROJECT LOCATION MAP



PROJECT VICINITY MAP



RIFLE FALLS SFU ISOLATION BUILDING

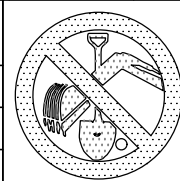
PROJECT ADDRESS:
11466 STATE HIGHWAY 325
RIFLE, 81650
GARFIELD COUNTY

PROJECT COORDINATES:
LATITUDE: 38°03'51"N
LONGITUDE: 103°40'37"W

| Sheet List Table | |
|------------------|--------------------------|
| Sheet Number | Sheet Title |
| 1 | Cover Sheet |
| 2 | Site Map |
| 3 | Proposed Site Plan |
| 4 | Elevations |
| 5 | Floor Plan |
| 6 | Foundation Plan |
| 7 | Framing Plan |
| 8 | Plumbing Plan |
| 9 | Electrical Plan |
| 10 | Sections and Details |
| 11 | Sections and Details (2) |

| DESIGN CODES (IBC, IPC, ETC) | DESIGN DEAD LOAD (PSF) | DESIGN LIVE LOAD (PSF) | ROOF SNOW LOAD (PSF) (NON-REDUCIBLE) | WIND DESIGN | | SEISMIC DESIGN CATEGORY | SUBJECT TO DAMAGE FROM | | | WINTER DESIGN TEMP (°F) | ICE BARRIER UNDERLAYMENT REQUIRED |
|------------------------------|------------------------|------------------------|--------------------------------------|-------------|--------------|-------------------------|------------------------|------------------|---------|-------------------------|-----------------------------------|
| | | | | SPEED (MPH) | TOPO. EFFECT | | WEATHERING | FROST LINE DEPTH | TERMITE | | |
| 2015 | 10 | 20 | 40 | 115 | - | B | SEVERE | 36" | NONE | -2 | YES |

| PARKS & WILDLIFE PROJECT CONTACTS | |
|-----------------------------------|--------------|
| HATCHERY MANAGER, JASON WENTZ | 970-625-1865 |
| PROJECT MANAGER, KENDAL BERGMAN | 970-902-7946 |
| DESIGN ENGINEER, JORDAN HASZ | 303-291-7393 |



FOR BURIED UTILITY INFORMATION
CALL 811
TWO BUSINESS DAYS BEFORE YOU DIG
UTILITY NOTIFICATION CENTER OF COLORADO (UNCC) OR COMMON GROUND ALLIANCE (CGA)

THE STATE OF COLORADO IS COMMITTED TO PROVIDING EQUITABLE ACCESS TO OUR SERVICES TO ALL. PLEASE CONTACT OUR COLORADO PARKS AND WILDLIFE ACCESSIBILITY SPECIALIST (ACCESSDNR@STATE.CO.US OR 303-297-1192) FOR PERSONALIZED ACCESSIBILITY ASSISTANCE WITH PROJECT CONSTRUCTION LAYOUTS AND DETAILS BELOW. WE WILL CONTACT YOU DIRECTLY WITHIN TWO BUSINESS DAYS. VISIT OUR ACCESSIBILITY WEBPAGE (DNR.COLORADO.GOV/ACCESSIBILITY) FOR MORE INFORMATION AND SERVICES, INCLUDING AIRA, OUR FREE SERVICE FOR BLIND AND LOW-VISION USERS.

RIFLE FALLS SFU
ISOLATION BUILDING

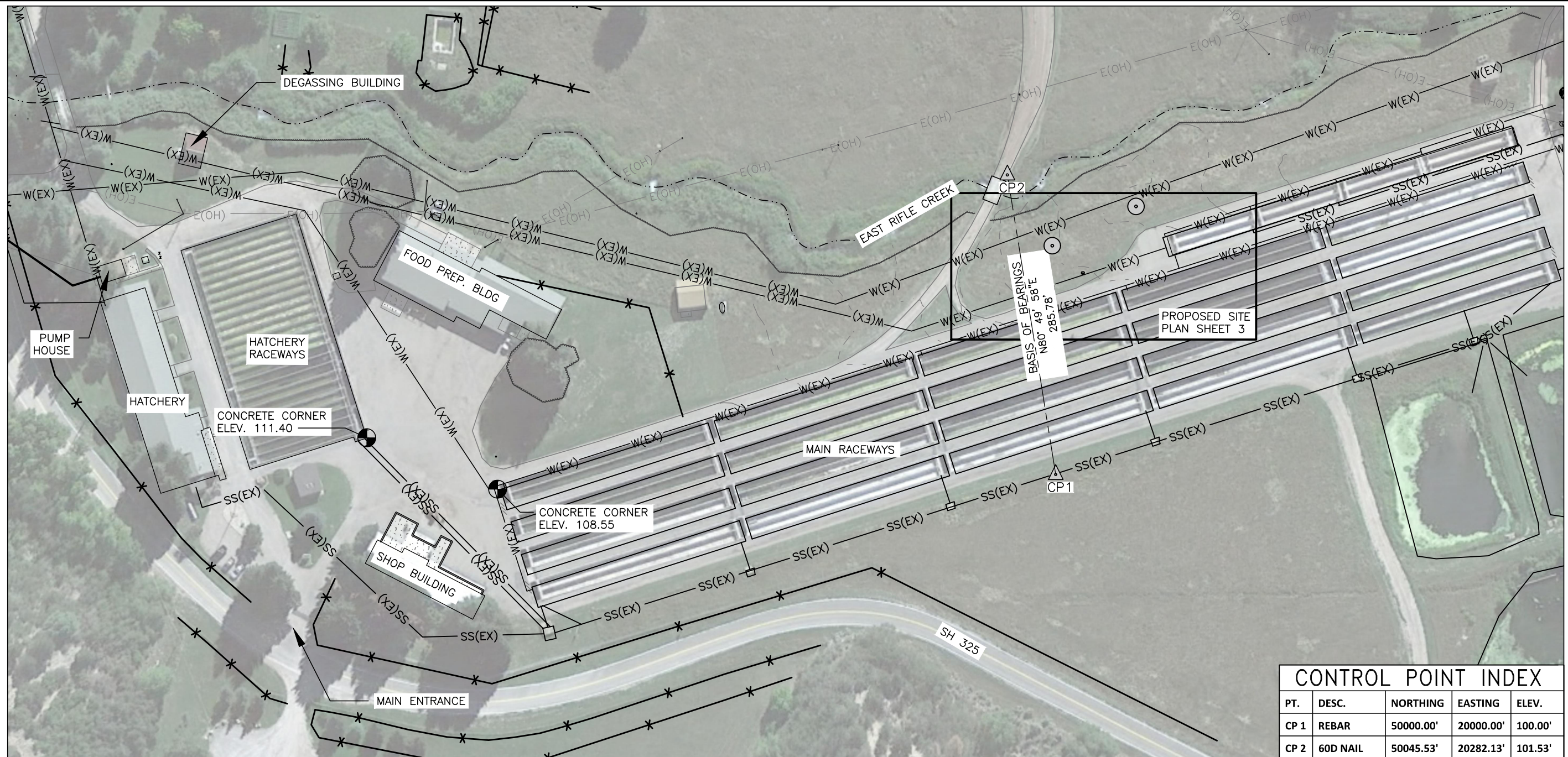


| REVISIONS: | DATE | BY |
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| | | |

| DESIGNER: | DRAFTER: | CHECKED BY: | APPROVED: | CHIEF ENGR.: |
|-----------|----------|-------------|-----------|--------------|
| JH | JH | | | |

DATE: 03/25
PROJECT NO.: 2023A
SHEET NO.: 1
OF 11

FINAL FOR BID
COVER SHEET

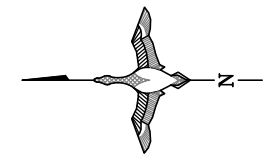


GENERAL NOTES:

1. ONLY SURFACE EVIDENCE OF UTILITIES VISIBLE AT THE TIME OF THE FIELD WORK IS SHOWN HEREON. ALL UNDERGROUND UTILITIES MUST BE FIELD LOCATED BY THE APPROPRIATE AGENCY OR UTILITY COMPANY PRIOR TO ANY EXCAVATION, PURSUANT TO C.R.S. SEC. 9-15-103
2. THE CONTOURS REPRESENTED HEREON WERE INTERPOLATED BY AUTOCAD CIVIL 3D (DIGITAL TERRAIN MODELING) RELEASE 2022 SOFTWARE BETWEEN ACTUAL MEASURED SPOT ELEVATIONS. DEPENDING ON THE DISTANCE FROM A MEASURED SPOT ELEVATION, THE CONTOUR SHOWN MAY NOT BE AN EXACT REPRESENTATION OF THE SITE TOPOGRAPHY. THE PURPOSE OF THIS TOPOGRAPHIC MAP IS FOR SITE EVALUATION AND TO SHOW SURFACE DRAINAGE FEATURES. ADDITIONAL TOPOGRAPHIC OBSERVATIONS MAY BE NECESSARY IN SPECIFIC AREAS OF DESIGN.
3. DIMENSIONS SHOWN HEREON ARE U.S. SURVEY FOOT.
4. DATE OF FIELDWORK: 8/30/2023

LEGEND

- EXISTING FENCE
- EXISTING WATER SUPPLY
- EXISTING EFFLUENT DRAIN
- EXISTING OVERHEAD ELECTRIC
- EXISTING EDGE OF VEGETATION
- EXISTING SURFACE CONTOUR
- APPROXIMATE TEST PIT LOCATION (SEE APPENDIX A)



SITE MAP



CONTROL POINT INDEX

| PT. | DESC. | NORTHING | EASTING | ELEV. |
|------|----------|-----------|-----------|---------|
| CP 1 | REBAR | 50000.00' | 20000.00' | 100.00' |
| CP 2 | 60D NAIL | 50045.53' | 20282.13' | 101.53' |

RIFLE FALLS SFU
ISOLATION BUILDING

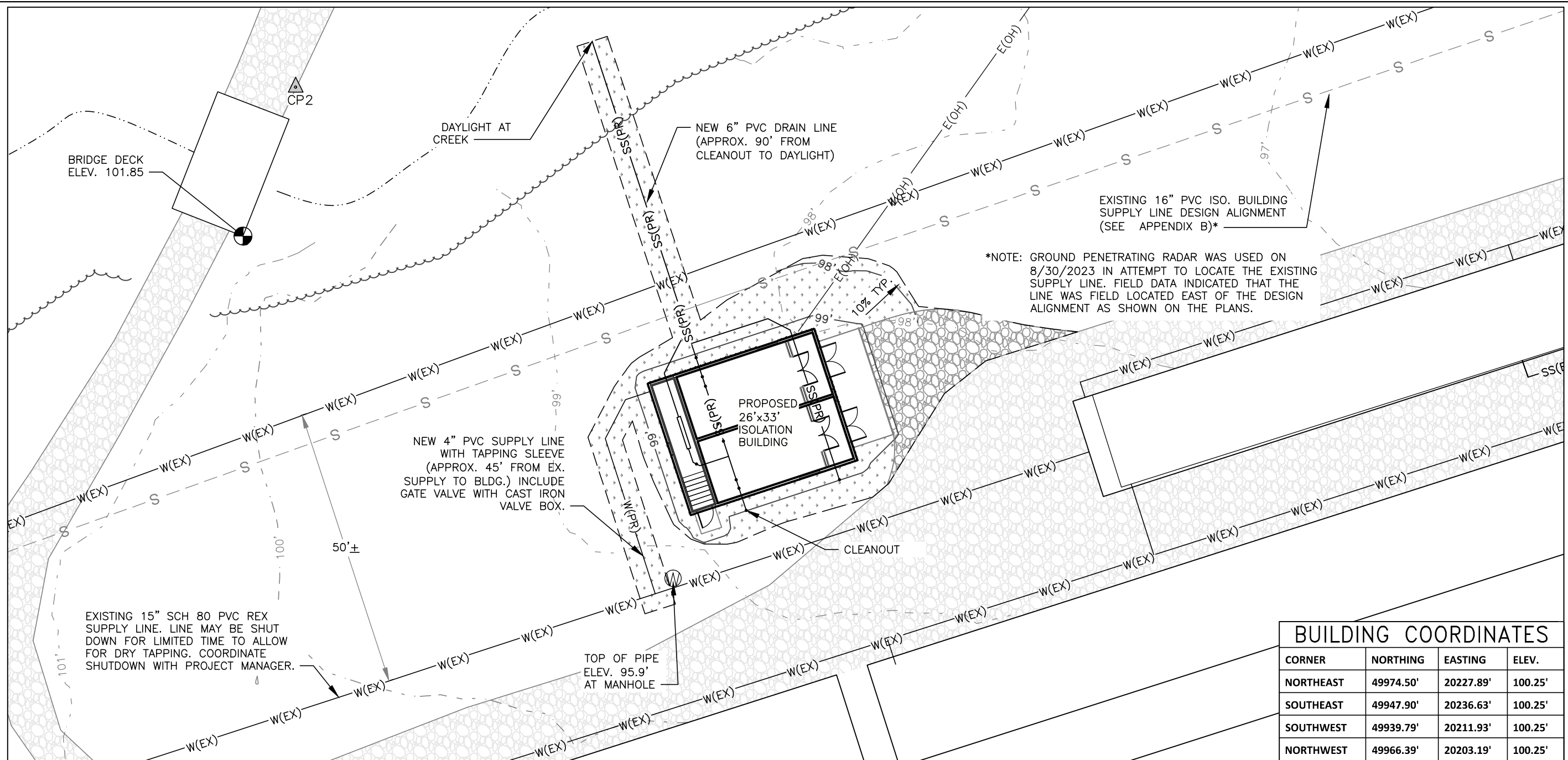


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| DESIGNER: | DRAFTER: | CHECKED BY: | APPROVED: | CHIEF ENGR.: |
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| JH | JH | | | |

| DATE | PROJECT NO. | SHEET NO. | OF 11 |
|-------|-------------|-----------|-------|
| 08/24 | 50023A | 2 | |

FINAL FOR BID
SITE MAP



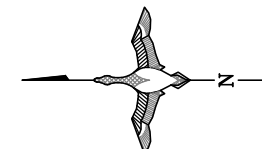
| BUILDING COORDINATES | | | |
|----------------------|-----------|-----------|---------|
| CORNER | NORTHING | EASTING | ELEV. |
| NORTHEAST | 49974.50' | 20227.89' | 100.25' |
| SOUTHEAST | 49947.90' | 20236.63' | 100.25' |
| SOUTHWEST | 49939.79' | 20211.93' | 100.25' |
| NORTHWEST | 49966.39' | 20203.19' | 100.25' |

GENERAL NOTES:

- CONTRACTOR TO COORDINATE SERVICE EXTENSION WITH XCEL ENERGY. SERVICE EXTENSION WILL BE PAID AS AN ALLOWANCE IN ACCORDANCE WITH SECTION 01202.
- THE BUILDING LOCATION MAY BE ADJUSTED ON SITE BY THE PROJECT MANAGER.
- DISPOSE OF EXCESS SOIL IN A LOCATION APPROVED BY THE PROJECT MANAGER.
- NO WORK SHALL BE BACKFILLED UNTIL THE CONSTRUCTION HAS BEEN INSPECTED AND APPROVED FOR BACKFILLING BY THE PROJECT MANAGER.
- CONTRACTOR SHALL NOT IMPEDE PUBLIC ACCESS TO THE SITE OR NORMAL CPW OPERATIONS DURING CONSTRUCTION.
- CONTRACTOR SHALL AT ALL TIMES COORDINATE HIS WORK WITH THE PROJECT MANAGER, WHEN IT IS NECESSARY TO CLOSE THE EXISTING PORTIONS OF THE WATER OR SEWER SYSTEM DUE TO CONSTRUCTION OPERATIONS, AT LEAST 48 HOURS PRIOR NOTIFICATION MUST BE GIVEN TO THE PROJECT MANAGER.
- THE CONTRACTOR SHALL NOTIFY ALL PUBLIC UTILITY COMPANIES AND DETERMINE THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO PROCEEDING WITH CONSTRUCTION. ALL WORK PERFORMED IN THE AREA OF PUBLIC UTILITIES SHALL BE PERFORMED ACCORDING TO THE REQUIREMENTS OF THESE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ANY EXISTING UTILITY (INCLUDING DEPTH), WHICH MAY CONFLICT WITH THE PROPOSED CONSTRUCTION, PRIOR TO COMMENCEMENT OF THE IMPROVEMENTS DESCRIBED IN THE PROJECT. THE CONTRACTOR SHALL PROTECT, AT HIS OWN EXPENSE, ALL EXISTING UTILITIES AND BE RESPONSIBLE FOR THEIR REPAIR IF THEY ARE DAMAGED DURING CONSTRUCTION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT MANAGER OF ANY PROBLEM IN CONFORMING TO THE APPROVED PLANS OR ANY ELEMENT OF THE PROPOSED IMPROVEMENTS PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE PROJECT MANAGER AT LEAST 48 HOURS PRIOR TO START OR RESTART OF ANY CONSTRUCTION.

LEGEND

- W(EX) — EXISTING WATER SUPPLY
- SS(EX) — EXISTING EFFLUENT DRAIN
- E(OH) — EXISTING OVERHEAD ELECTRIC
- E(OH) — PROPOSED OVERHEAD ELECTRIC
- ~ ~ ~ EXISTING EDGE OF VEGETATION
- - - 100' - EXISTING SURFACE CONTOUR
- - - 100' - PROPOSED SURFACE CONTOUR
- - - - - LIMIT OF DISTURBED AREA (APPROX. 3050 S.F.)
- [Pattern] EXISTING GRAVEL DRIVE
- [Pattern] PROPOSED 6" COMPACTED ABC (APPROX. 460 S.F.)
- [Pattern] PERMANENT SEEDING & MULCHING (APPROX. 1530 S.F.)



PROPOSED SITE PLAN

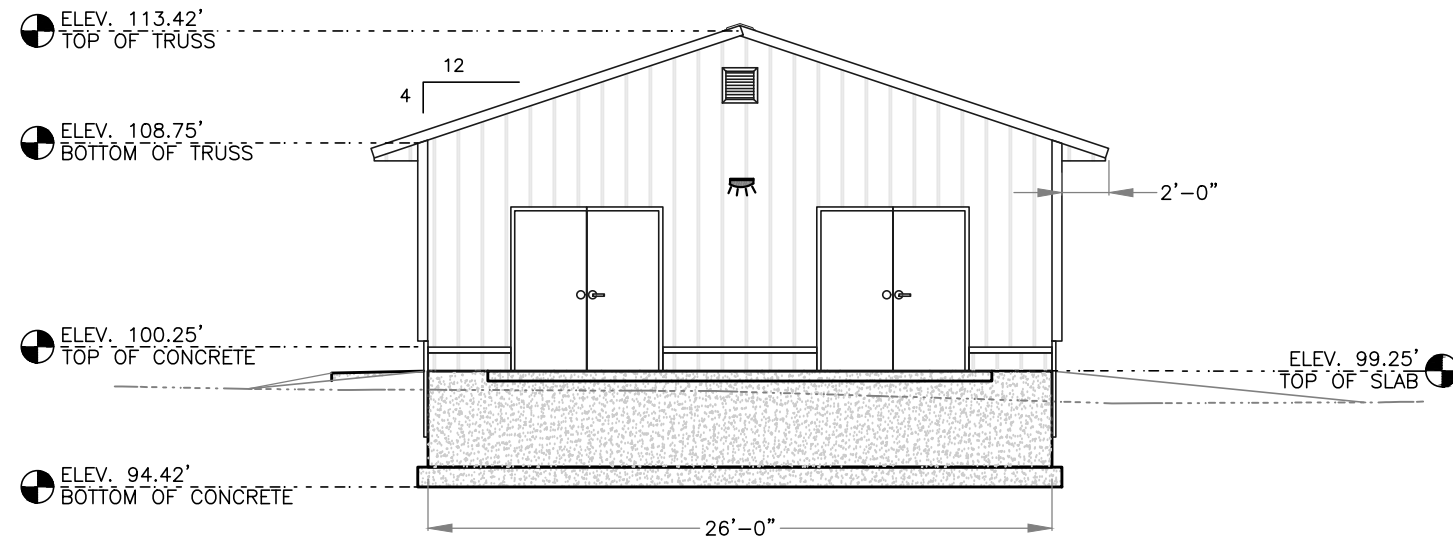


RIFLE FALLS SFU
ISOLATION BUILDING

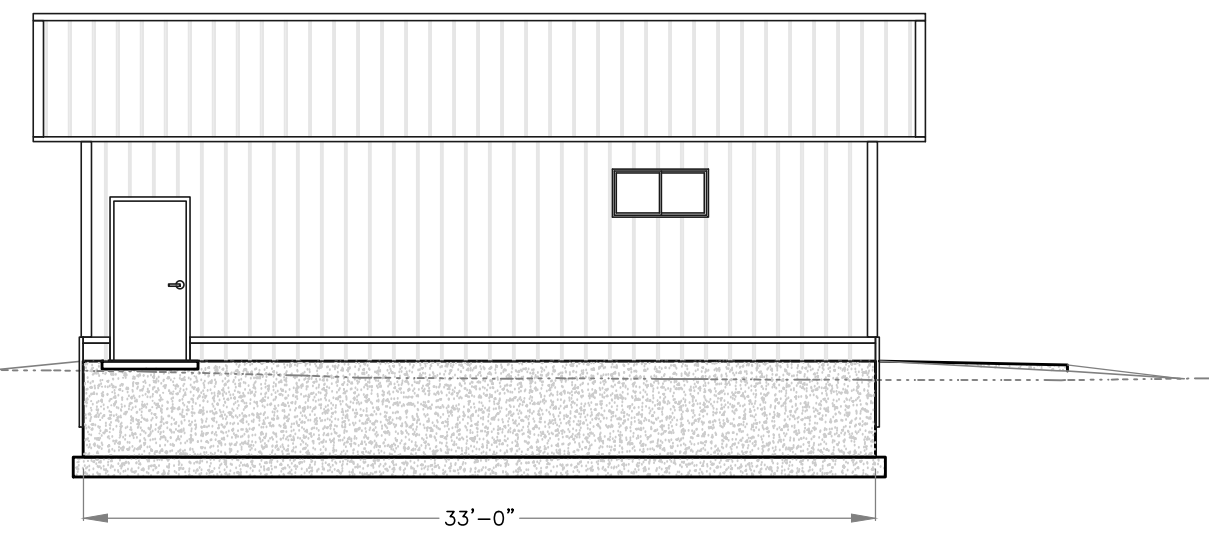
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| DESIGNER: | DRAFTER: | CHECKED BY: | APPROVED: | CHIEF ENGR.: |
| JH | JH | | | |

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| DATE: | PROJECT NO.: | SHEET NO.: | OF 11 |
| 08/24 | 3023A | 3 | |

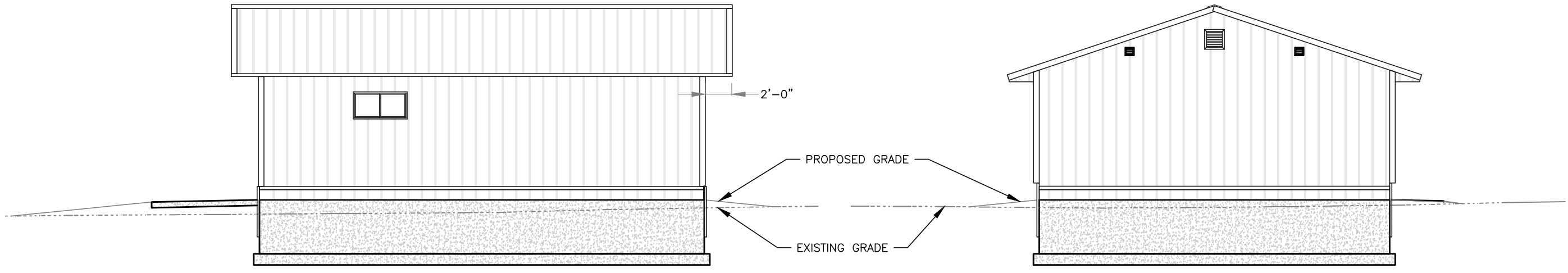
FINAL FOR BID
PROPOSED SITE PLAN



SOUTH ELEVATION

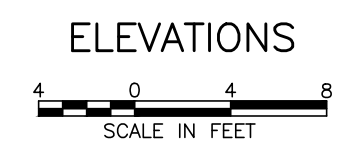


WEST ELEVATION



EAST ELEVATION

NORTH ELEVATION



RIFLE FALLS SFU
ISOLATION BUILDING



| REVISIONS: | DATE | BY |
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| | | |
| | | |
| | | |

| | |
|--------------|----|
| DESIGNER: | JH |
| DRAFTER: | JH |
| CHECKED BY: | |
| APPROVED: | |
| CHIEF ENGR.: | |

| | |
|--------------|--------|
| DATE: | 08/24 |
| PROJECT NO.: | 50423A |
| SHEET NO.: | 4 |
| OF 11 | |

FINAL FOR BID
ELEVATIONS

DOOR DATA

HARDWARE

| ID | Size (WxH) | TYPE | QTY | NO. REQ. | FRAME | | HINGE | LATCH LOCK | MISC. HARDWARE |
|-----|---------------|--------|-----|----------|--------------|--------|-------|------------|----------------|
| | | | | | MATERIAL | FINISH | | | |
| (A) | 6'-0" x 6'-8" | TYPE I | 2 | 2 | HOLLOW METAL | PAINT | 1 | F82 | 1,3 |
| (B) | 6'-0" x 6'-8" | TYPE I | 2 | 2 | HOLLOW METAL | PAINT | 1 | F82 | 1,2,3 |
| (C) | 3'-0" x 6'-8" | TYPE I | 1 | 1 | HOLLOW METAL | PAINT | 1 | F82 | 1 |

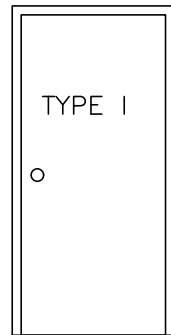
BUTT HINGES
1 - HEAVY STAINLESS STEEL SPRING HINGE

LOCKSETS
DESIGNATIONS INDICATED ARE ANSI A156.2 FUNCTIONS BEST ACCESS SYSTEM 9K SERIES (OR EQUIVALENT).

F82 - ENTRANCE LOCK, KEY OUTSIDE, BUTTON ON FACE OF LOCK

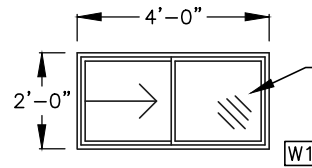
MISCELLANEOUS HARDWARE

- GENERAL - DOOR SILENCERS: GLYNN-JOHNSON SR64 (OR EQUIVALENT)
DOOR SILENCERS FOR ALL HOLLOW METAL FRAMES, 3 PER STRIKE JAMB FOR SINGLE DOORS, 2 PER HEAD FOR PAIRS OF DOORS
- 1 - WEATHERSTRIPPING: PEMKO 303AS (OR EQUIVALENT) AT HEAD AND JAMBS, PEMKO 18100CNB (OR EQUIVALENT) SWEEPS AT SILL, PEMKO 176A THRESHOLD AND PEMKO 346C RAIN DRIP AT EXTERIOR DOORS.
 - 2 - WALL STOPS: BALDWIN 4273.264 (OR EQUIVALENT) CONCAVE BUMPER, SATIN CHROME FINISH CONCEALED MOUNTING AND ATTACHMENT
 - 3 - FLUSH BOLTS: QUALITY HARDWARE CO. MPN:1357 (OR EQUIVALENT) EXTENSION BOLT AT HEAD AND SILL AND MPN:1225 (OR EQUIVALENT) DUSTPROOF STRIKE AT FLOOR, INSTALL ON INACTIVE LEAF.



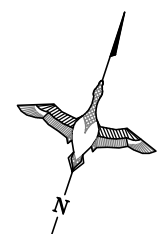
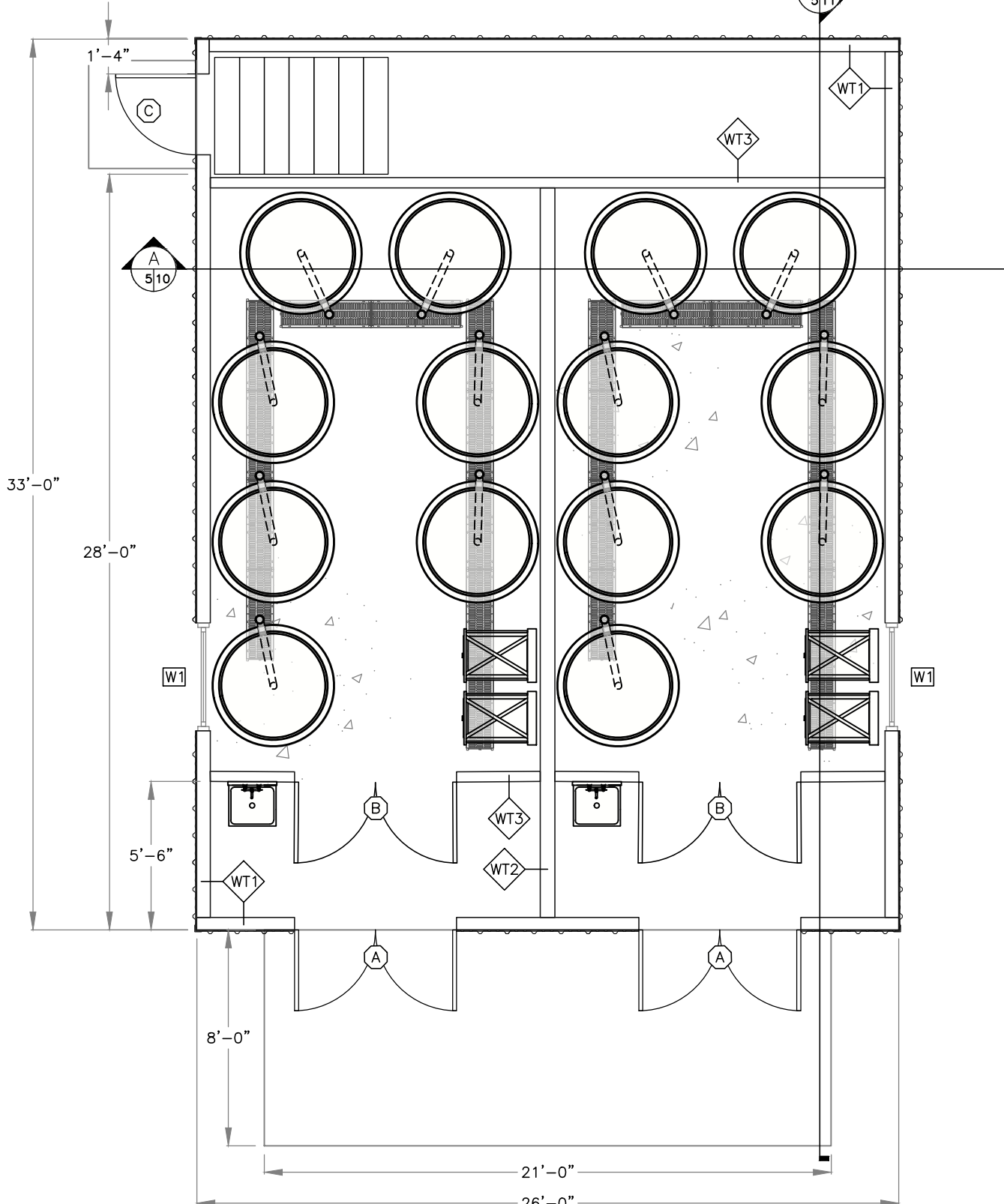
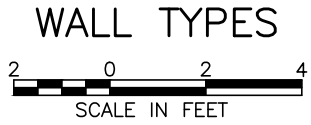
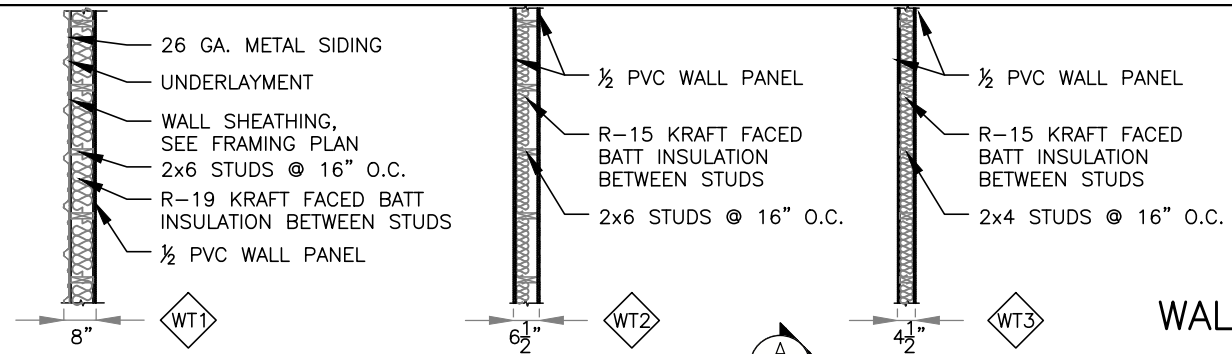
HOLLOW METAL W/
INSULATED CORE

DOOR TYPES



VINYL WINDOW WITH SCREEN

WINDOW TYPES



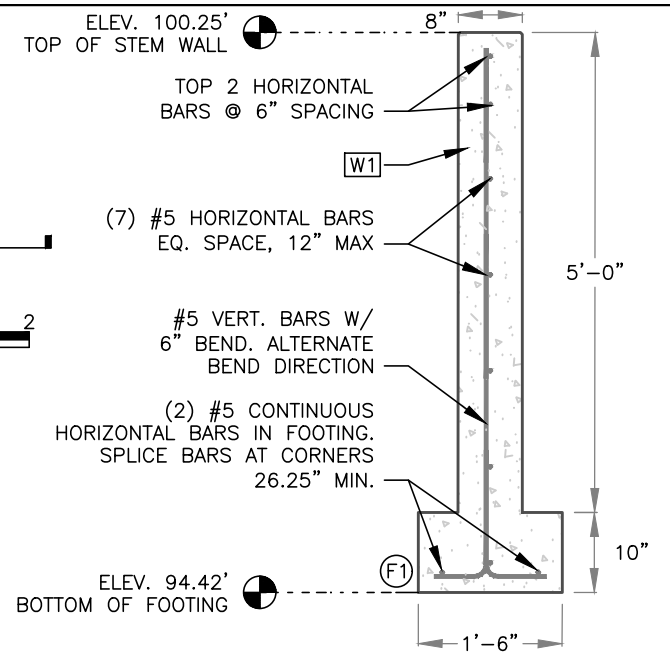
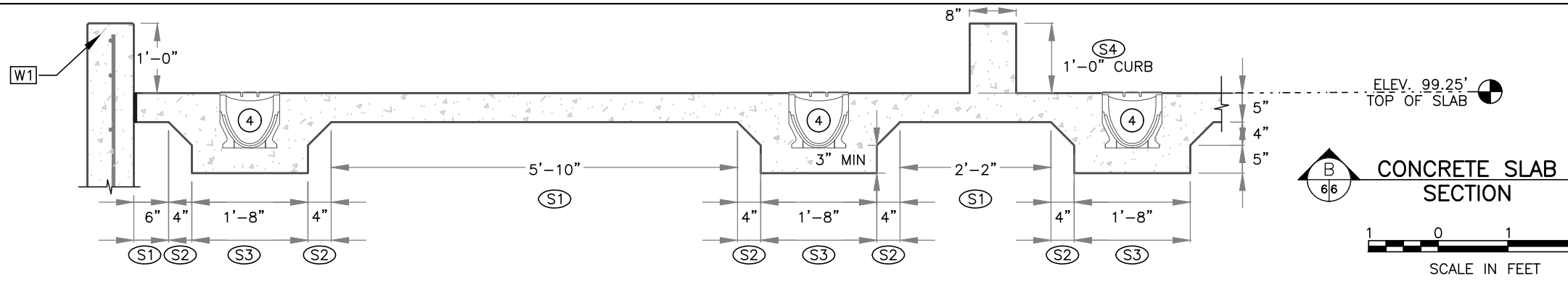
FLOOR PLAN
32" 0 32" 64"
3/16" = 1' U.N.O.

RIFLE FALLS SFU
ISOLATION BUILDING

| | | | |
|--------------|----|------------|--|
| DESIGNER: | JH | DATE: | |
| DRAFTER: | JH | REVISIONS: | |
| CHECKED BY: | | 08/24 | |
| APPROVED: | | 08/24 | |
| CHIEF ENGR.: | | | |

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| DATE: | PROJECT NO.: | SHEET NO.: | OF 11 |
| | 5003A | 5 | |

FINAL FOR BID
FLOOR PLAN

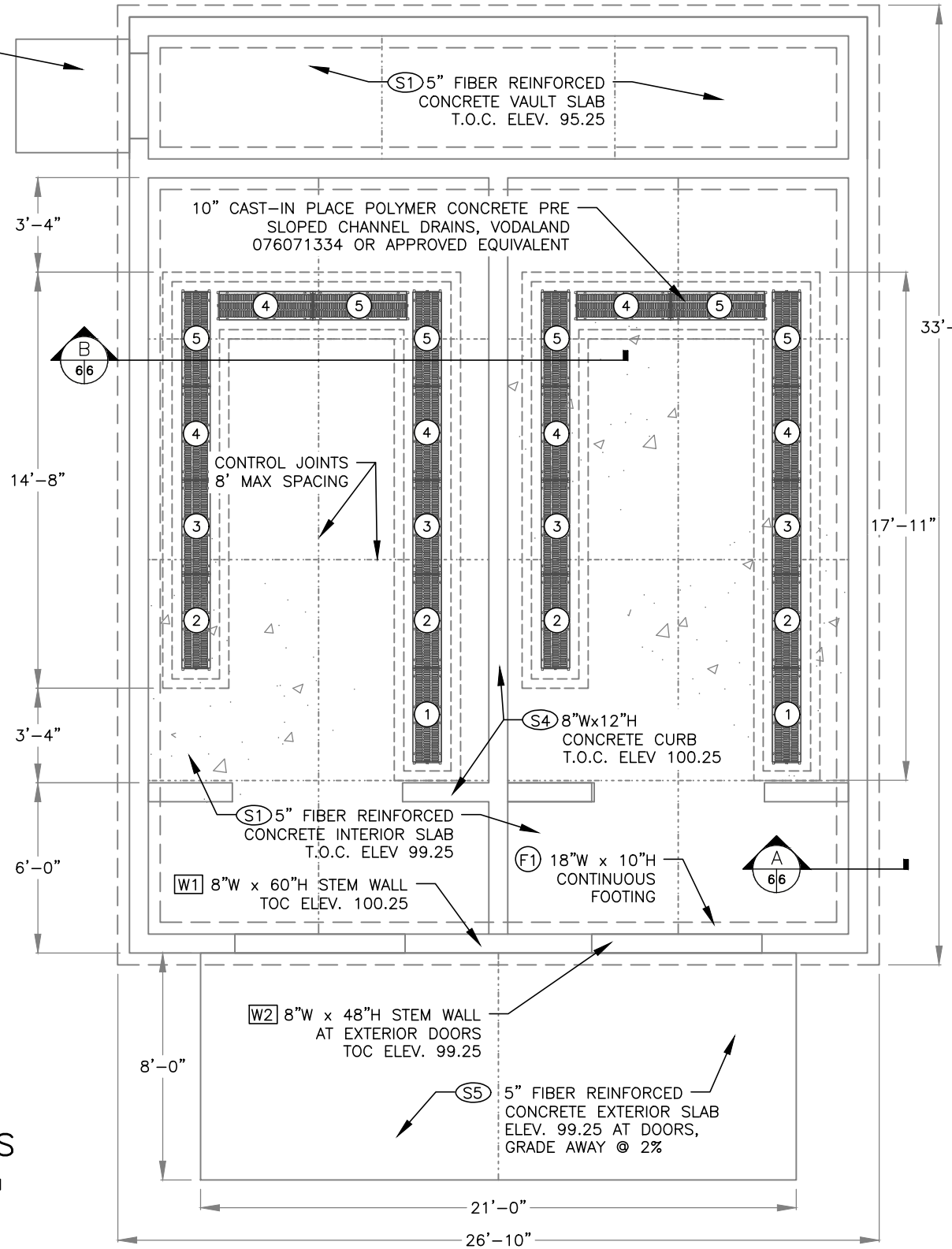
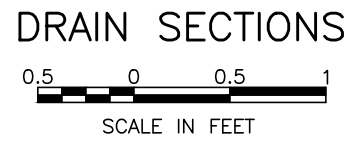
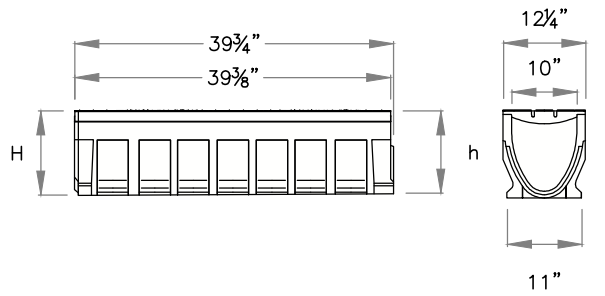


| FOOTING SCHEDULE | | | | |
|------------------|-----------------------|------------------------|----------------------|----------|
| ID | SIZE (W x H x L) | HORIZONTAL REINFORCING | VERTICAL REINFORCING | VOL (CY) |
| (F1) | 1'-6" x 10" x 139'-2" | (2)#5 CONTINUOUS | #5 HOOKED @ 12" O.C. | 6.44 |

| STEM WALL SCHEDULE | | | | |
|-------------------------|-------------------------|------------------------|----------------------|----------|
| ID | SIZE (W x H x L) | HORIZONTAL REINFORCING | VERTICAL REINFORCING | VOL (CY) |
| (W1) | 0'-8" x 5'-0" x 125'-0" | #5 @ 12" O.C. MAX. | #5 HOOKED @ 12" O.C. | 15.43 |
| (W2) | 0'-8" x 4'-0" x 15'-0" | #5 @ 12" O.C. MAX. | #5 HOOKED @ 12" O.C. | 1.48 |
| TOTAL FOUNDATION VOLUME | | | | 23.4 |

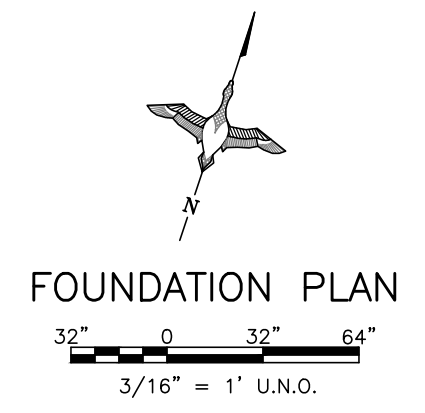
| SLAB SCHEDULE | | | |
|-------------------|-------------|---------------|-------------|
| ID | AREA (S.F.) | AVERAGE DEPTH | VOLUME (CY) |
| (S1) | 544.76 | 0'-5" | 8.41 |
| (S2) | 48.25 | 0'-7" | 1.04 |
| (S3) | 171.66 | 1'-2" | 5.15 |
| (S4) | 25.78 | 1'-0" | 0.95 |
| (S5) | 168.00 | 0'-5" | 2.59 |
| (S6) | 16.00 | 0'-4" | 0.20 |
| TOTAL SLAB VOLUME | | | 18.4 |

| 10" POLYMER CONCRETE CHANNEL SCHEDULE | | | | | |
|---------------------------------------|-----|-------------------|--------------------------------|---------|---------|
| ID | QTY | ARTICLE | NAME | H (IN.) | h (IN.) |
| (1) | 2 | 076071334/240-230 | ST-PCN-10"-DR-D400H9.4"-9.1" | 9.4 | 9.1 |
| (2) | 4 | 076071334/250-240 | ST-PCN-10"-DR-D400H9.8"-9.4" | 9.8 | 9.4 |
| (3) | 4 | 076071334/260-250 | ST-PCN-10"-DR-D400H10.2"-9.8" | 10.2 | 9.8 |
| (4) | 6 | 076071334/270-260 | ST-PCN-10"-DR-D400H10.6"-10.2" | 10.6 | 10.2 |
| (5) | 6 | 076071334/280-270 | ST-PCN-10"-DR-D400H11.0"-10.6" | 11.0 | 10.6 |



CONCRETE NOTES:

- CONCRETE FOUNDATIONS WILL BE PAID TO THE NEAT LINES OF THE FOUNDATION PLAN AS REPORTED IN THE BID SCHEDULE.
- ALL CONCRETE TO BE CONSTRUCTED ABOVE COMPACTED STRUCTURAL FILL ACCORDING TO THE GEOTECHNICAL INVESTIGATION. MINIMUM DEPTH REQUIREMENTS:
 FOUNDATIONS 24"
 NON STRUCTURAL FLOOR SLABS 18"
 EXTERIOR FLATWORK 12"
- ANCHOR SILL PLATES TO CONCRETE FOUNDATION USING 1/2" DIAMETER STEEL BOLTS. BOLTS SHALL BE EMBEDDED A MINIMUM OF 7" INTO THE FOUNDATION WALL. LOCATE BOLTS SUCH THAT THERE IS A BOLT AT EACH END OF THE WALL SECTION (12" MAX, 4" MIN FROM END) AND SPACED NO MORE THAN 4 FEET O.C. ALONG WALL
- CONCRETE COVERAGE FOR REINFORCEMENT:
 CONCRETE CAST AGAINST EARTH: 3"
 FORMED EDGES EXPOSED TO WEATHER OR FREEZING: 2"
 FINISHED INTERIOR SURFACES: 1 1/2"
- INTERIOR CONCRETE FLOORS SHALL BE FINISHED WITH WATER REPELLENT CONCRETE SEALER GHOSTSHIELD LITHI-TEK 9500 OR APPROVED EQUIVALENT

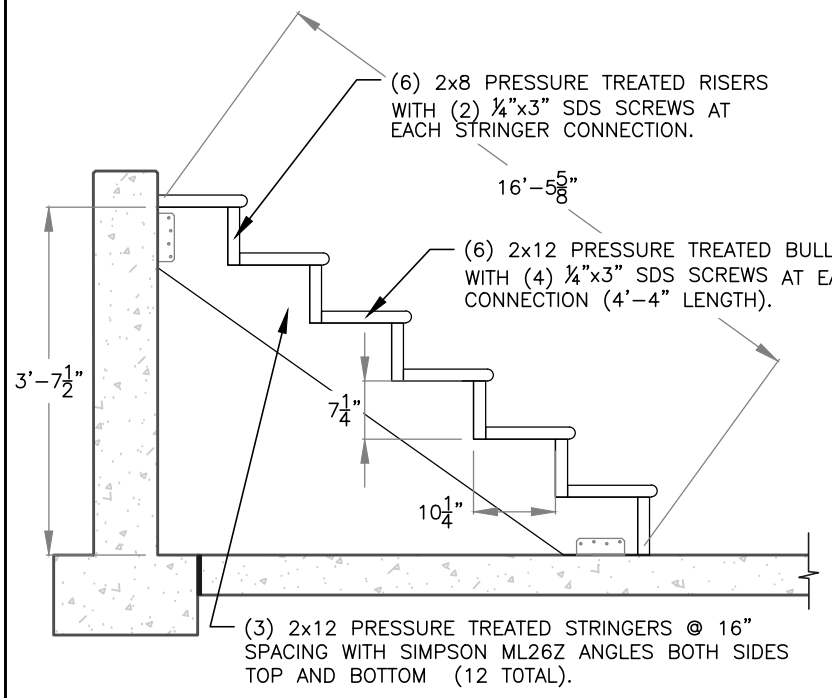


RIFLE FALLS SFU
ISOLATION BUILDING

COLORADO PARKS

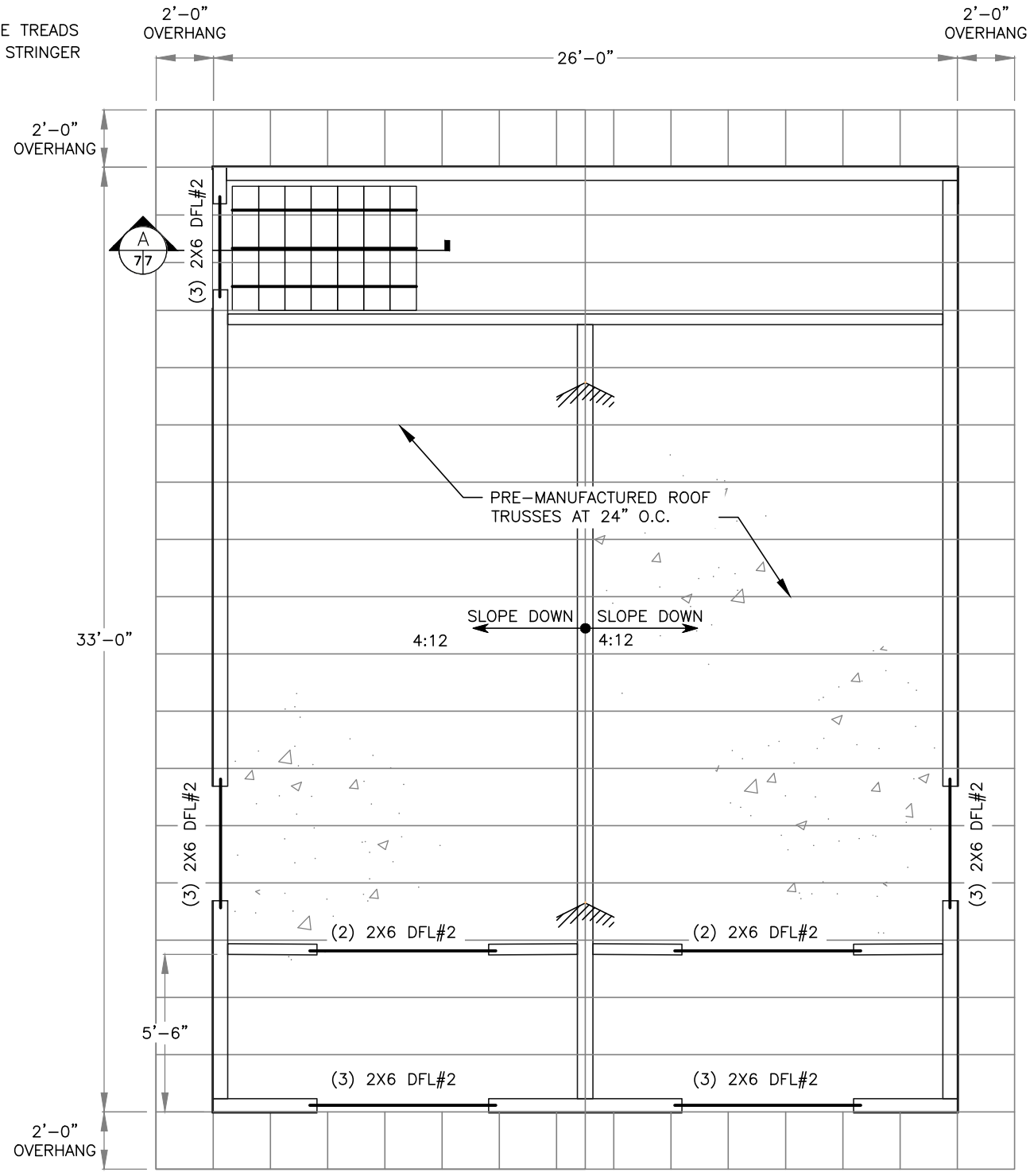
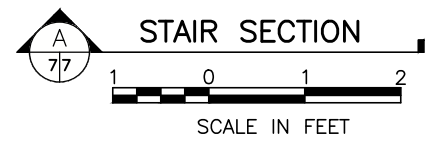
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| DESIGNER: | DRAWN BY: | CHECKED BY: | APPROVED: | CHIEF ENGR.: |
| DATE: | PROJECT NO.: | SHEET NO.: | 6 OF 11 | |

FINAL FOR BID
FOUNDATION PLAN



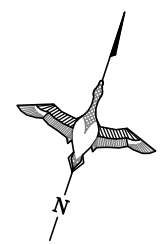
USE ¼"x1½" SDS SCREWS AT WOOD CONNECTIONS, AND ¼"x2¼" HEX HEAD TAPCONS AT CONCRETE CONNECTIONS.

STAIN STEPS ACCORDING TO SECTION 09900.



FRAMING NOTES:

1. ROOF AND WALL SHEATHING SHALL BE 7/16" OSB/PLYWOOD (2% SPAN RATING OR BETTER). ROOF SHEATHING SHALL BE INSTALLED PERPENDICULAR TO SUPPORTING MEMBERS WITH VERTICAL JOINTS STAGGERED BETWEEN ROWS. THE FIRST ROW OF SHEATHING ABOVE GRADE SHALL BE PRESERVATIVE TREATED. WALL SHEATHING SHALL BE INSTALLED VERTICALLY WITH JOINTS LOCATED OVER FRAMING MEMBERS OR BLOCKING AND FASTENED WITH 6D COMMON NAILS SPACED 12" O.C. IN THE FIELD AND 6" O.C. ALONG PANEL EDGES.
2. COLORADO P.E. TO DESIGN ROOF TRUSSES. DESIGN CALCULATIONS AND SHOP DRAWINGS TO BE SUBMITTED TO CPW FOR REVIEW AND ACCEPTANCE.
3. SILL PLATES SHALL BE PRESSURED TREATED LUMBER IN ACCORDANCE WITH THE SPECIFICATIONS.
4. FASTENING OF WOOD FRAMING SHALL BE IN ACCORDANCE WITH TABLE 2304.9.1 OF THE IBC.
5. HEADERS ARE AS CALLED OUT ON PLAN. HEADERS TO BEAR ON (1) TRIMMER STUD WITH (1) KING STUD ADJACENT TO THE TRIMMER.



FRAMING PLAN

32" 0 32" 64"

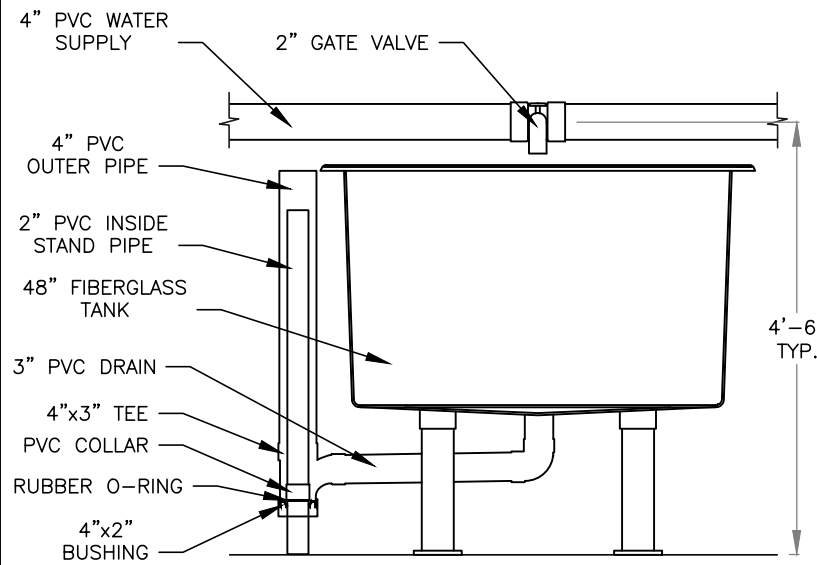
3/16" = 1' U.N.O.



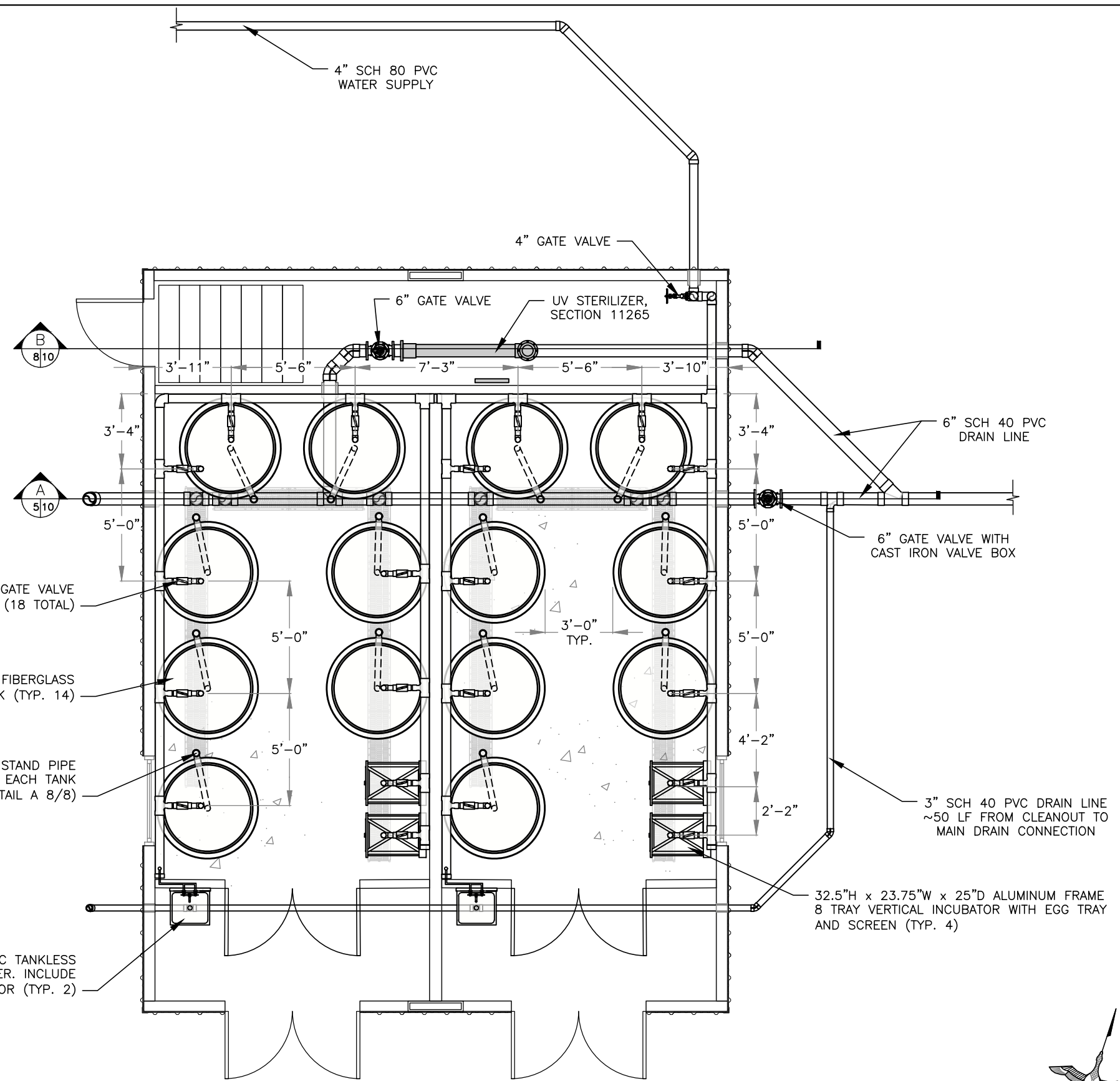
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| DESIGNER: | DRAFTER: | CHECKED BY: | APPROVED: | CHIEF ENGR.: |
|-----------|----------|-------------|-----------|--------------|
| JH | JH | | | |

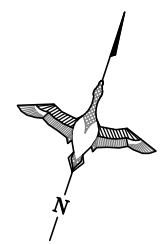
| DATE | PROJECT NO. | SHEET NO. | OF 11 |
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| 08/24 | 50033A | 7 | |



TANK DETAIL



- 4X4X2 TEE WITH 2" GATE VALVE AT EACH TANK (18 TOTAL)
- 48"D x 30"H FIBERGLASS TANK (TYP. 14)
- INCLUDE STAND PIPE PLUMBING WITH EACH TANK (SEE DETAIL A 8/8)
- SERVICE SINK WITH ELECTRIC TANKLESS HOT WATER HEATER. INCLUDE PRESSURE REGULATOR (TYP. 2)



PLUMBING PLAN
 32" 0 32" 64"
 3/16" = 1'

RIFLE FALLS SFU
 ISOLATION BUILDING



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| DRAFTER: | REVISIONS: |
| CHECKED BY: | |
| APPROVED: | |
| CHIEF ENGR.: | |

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| PROJECT NO.: | 50023A |
| SHEET NO.: | 8 |
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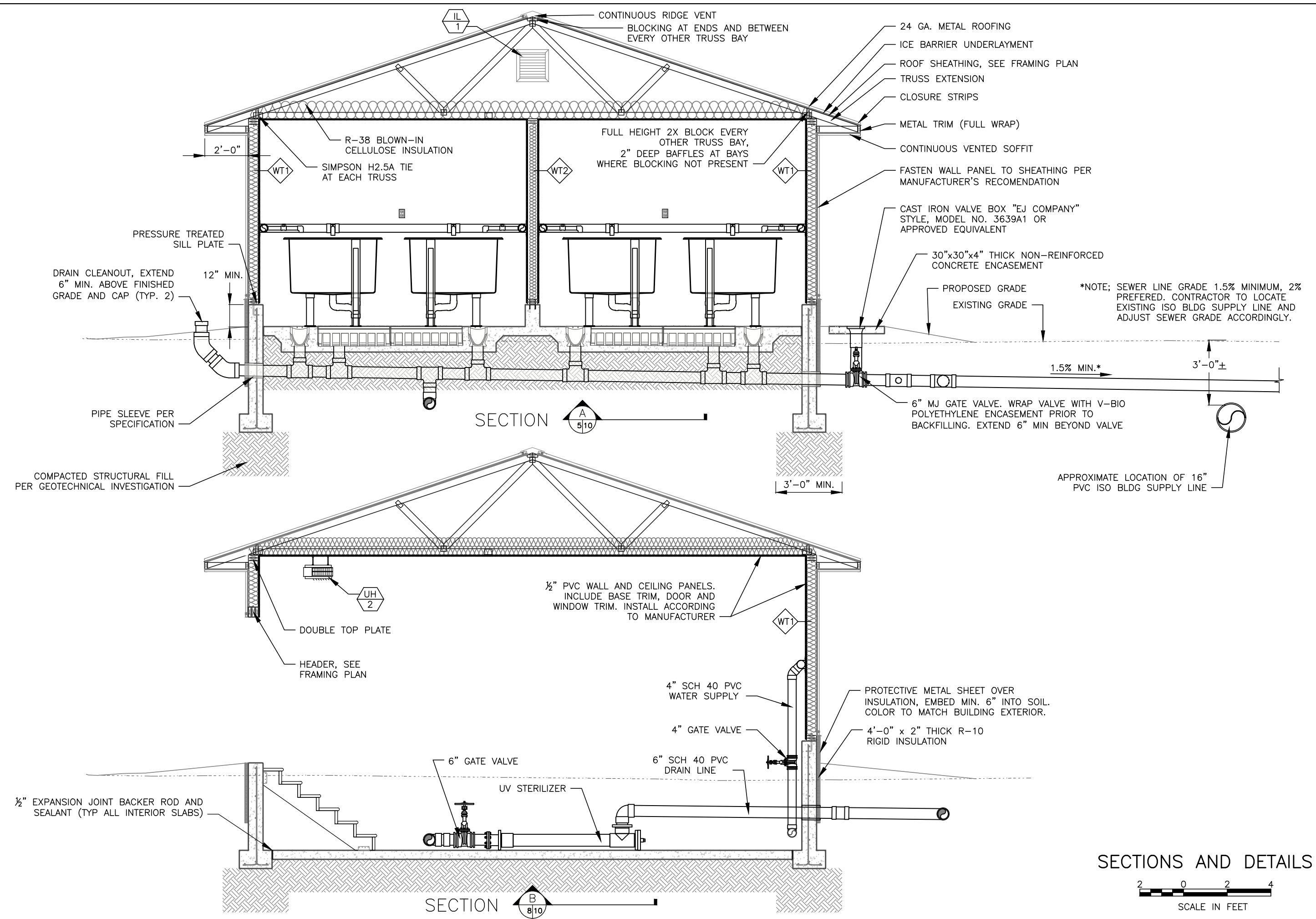
FINAL FOR BID
 PLUMBING PLAN

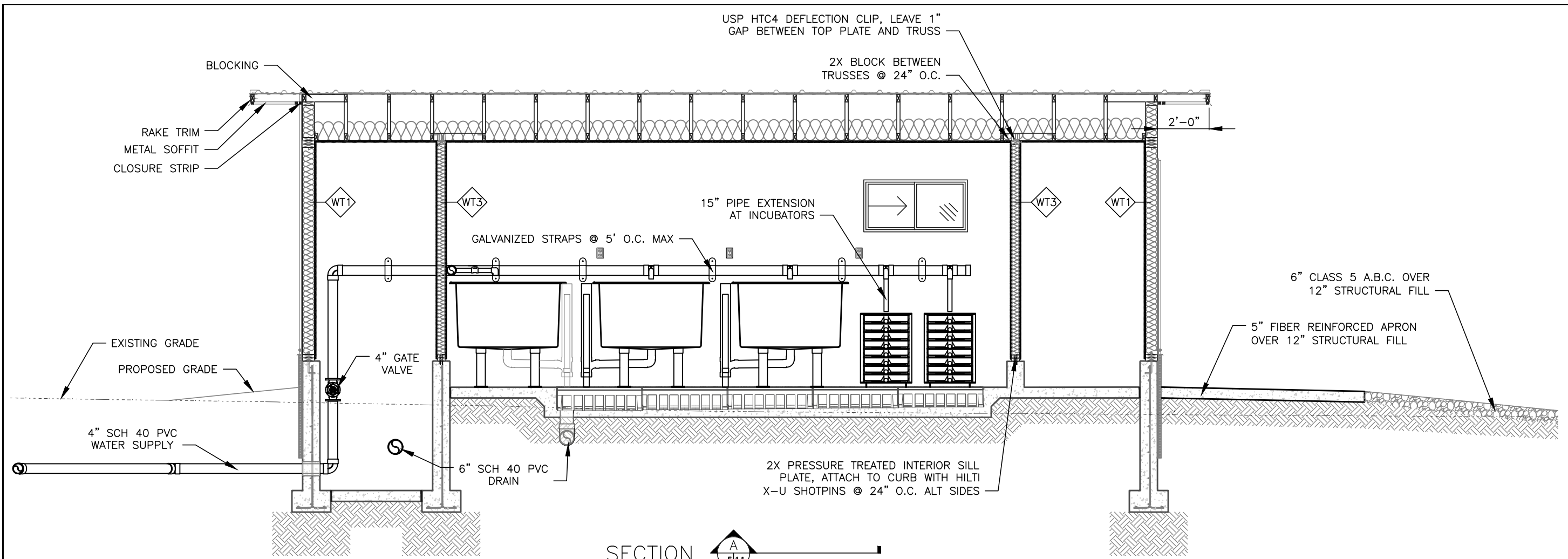


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| PROJECT NO.: | 3003A |
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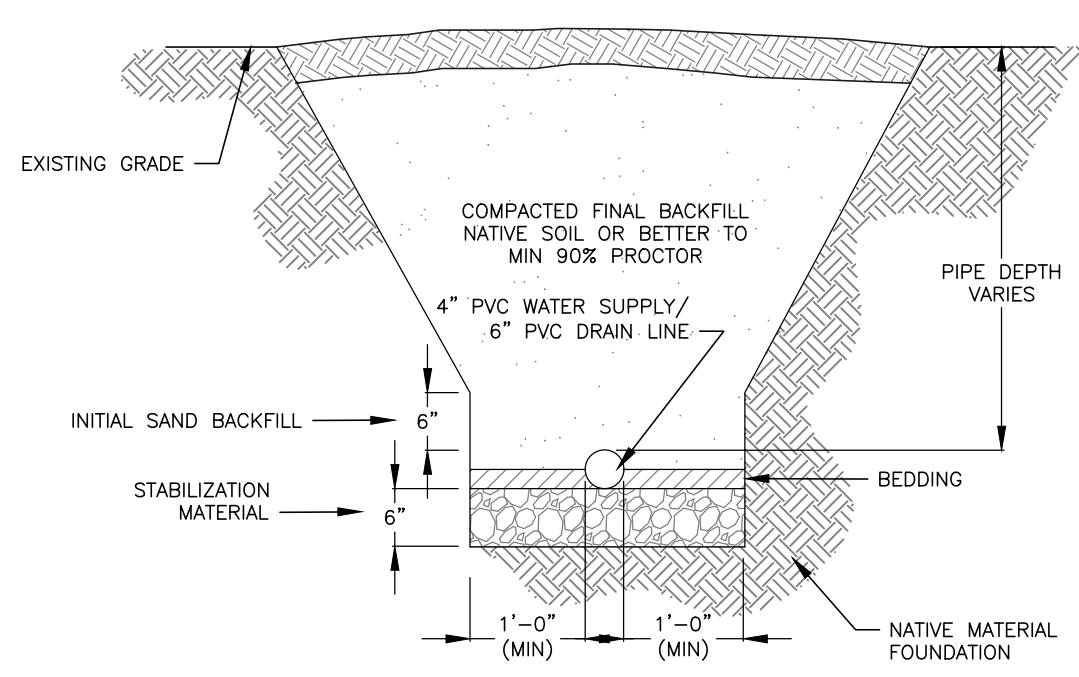
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| CHIEF ENGR.: | |






SECTION **A**
511



B
1111 TRENCH DETAIL

SECTIONS AND DETAILS
(2)
SCALE IN FEET

RIFLE FALLS SFU
ISOLATION BUILDING



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| DRAFTER: | JH | APPROVED: | |
| DATE: | 08/24 | PROJECT NO.: | 50423A |
| REVISIONS: | | SHEET NO.: | 11 |
| DATE: | 08/24 | OF 11 | |

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SECTIONS AND DETAILS (2)