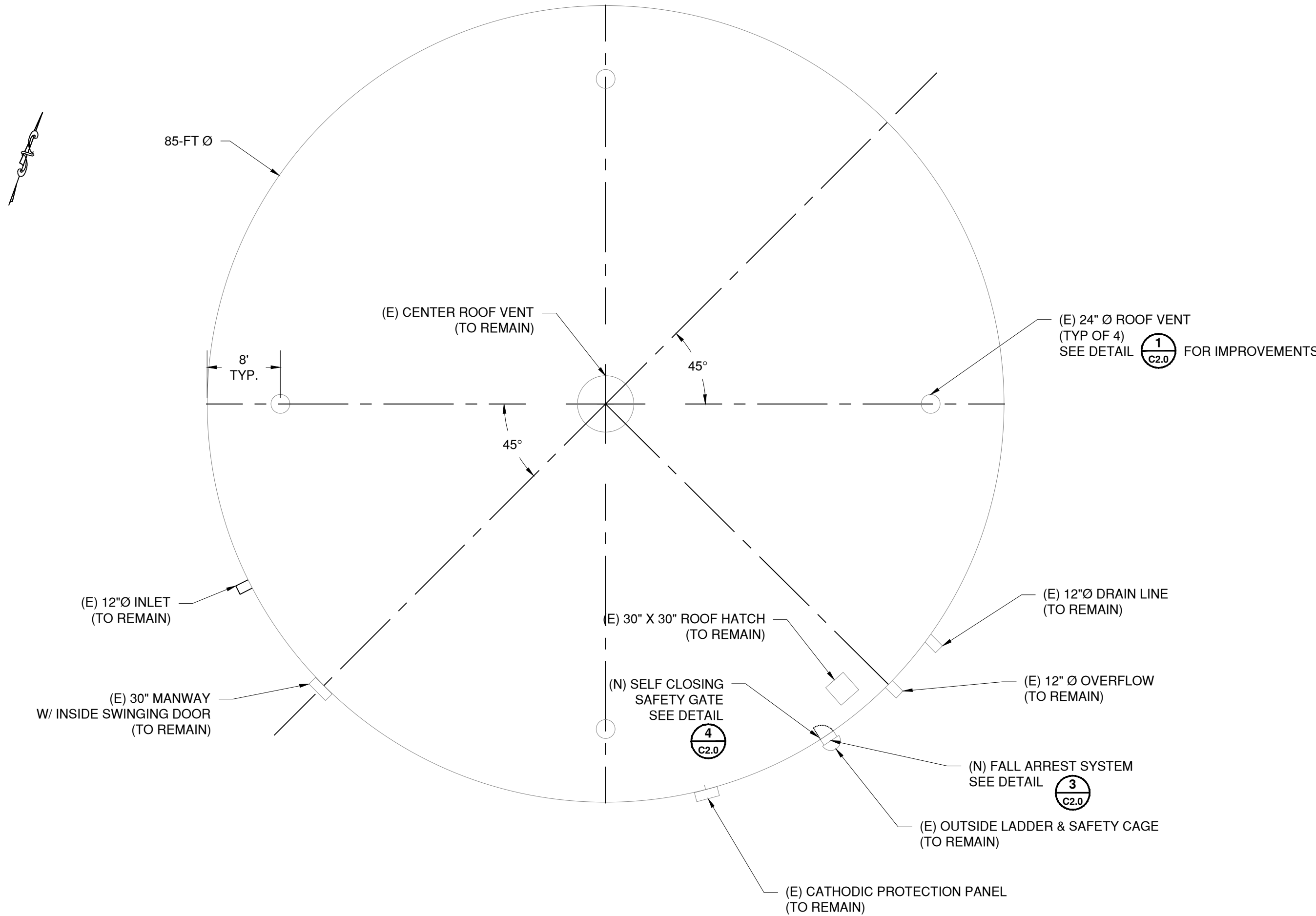




C:\USERS\JTABUE\DESKTOP\WORK\SVWD\0224 STORAGE TANK IMPROVEMENTS\DRAWINGS\C1.0 PLAN VIEW.DWG by JTABUE 6/10/2025 1:56 PM



TANK PLAN VIEW  
NTS

GENERAL NOTES:

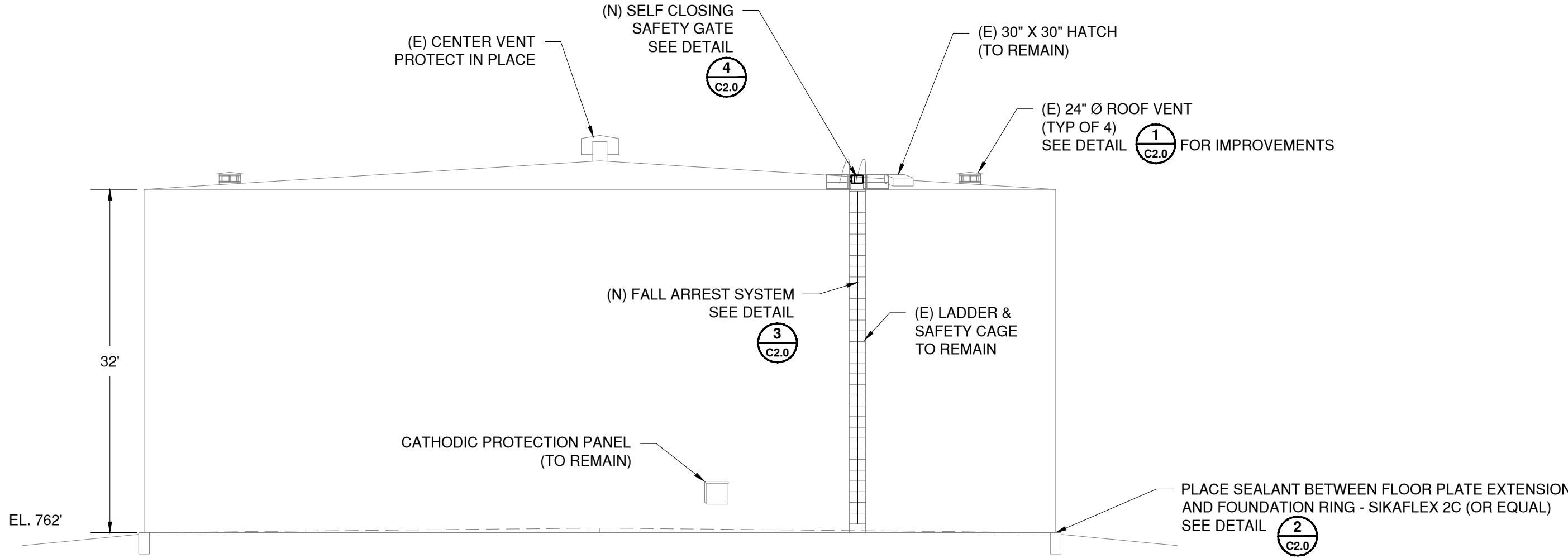
- SHOULD IT APPEAR THAT THE WORK TO BE PERFORMED OR ANY MATTER RELATIVE THERETO, IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT THE ENGINEER WITH ANY QUESTIONS OR DISCREPANCIES. ANY REVISIONS REQUIRE OWNER'S APPROVAL BEFORE PROCEEDING WITH REVISED PLANS.
- THE CONSTRUCTION CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY OF THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD THE CIVIL ENGINEER AND THE OWNER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF THE WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE CIVIL ENGINEER.
- THE PAINTING CONTRACTOR SHALL POSSESS A VALID CLASS C-33 PAINTING CONTRACTOR LICENSE; ALL OTHERS SHALL POSSESS THE APPLICABLE A OR C-SERIES LICENSE, AT THE TIME THE CONTRACT IS AWARDED AND SHALL MAINTAIN THROUGHOUT THE LENGTH OF CONTRACT.
- THE CONTRACTOR SHALL POST EMERGENCY TELEPHONE NUMBERS AT THE JOB SITE FOR PUBLIC WORKS, AMBULANCE, POLICE AND FIRE DEPARTMENTS, CONTRACTOR SHALL POST SIGN AT JOB SITE BEARING OWNER'S NAME AND SITE ADDRESS. PROPERTY CORNERS SHALL BE CLEARLY MARKED.
- THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGMEN AND OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY AND TO MAINTAIN TRAFFIC CONTROL AT ALL TIMES.
- THE CONTRACTOR SHALL PROVIDE FOR INGRESS AND EGRESS FOR ANY PRIVATE PROPERTY ADJACENT TO THE WORK AREA THROUGHOUT THE PERIOD OF CONSTRUCTION.
- WATER FOR COMPACTION, DUST CONTROL AND OTHER CONSTRUCTION MAY BE OBTAINED FROM SCOTTS VALLEY WATER DISTRICT THROUGH AN APPROPRIATE HYDRANT METER AND BACKFLOW PREVENTION DEVICE. CONTACT MCWD AT (831) 438-2363.
- THE CONTRACTOR SHALL NOT DESTROY ANY PERMANENT SURVEY POINTS, ANY PERMANENT MONUMENTS OR POINTS DESTROYED SHALL BE REPLACED BY A LICENSED ENGINEER OR LICENSED SURVEYOR AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING AN AIRBORNE DUST NUISANCE FROM THE CONSTRUCTION SITE BY WATERING AND/OR TREATING THE SITE IN SUCH A MANNER TO LIMIT THE EXTENT OF AIRBORNE DUST PARTICLES.
- SITE WORK HOURS ARE 8:00 A.M. TO 5:00 P.M. MONDAY THROUGH FRIDAY.
- CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION SITE STORM WATER POLLUTION PREVENTION AND IMPLEMENTING NECESSARY BEST MANAGEMENT PRACTICES. EROSION CONTROL MEASURES SHALL BE IN PLACE AT THE END OF EACH WORKING DAY. WET SEASON CONTROLS ARE REQUIRED (MINIMUM) BETWEEN OCTOBER 15 AND APRIL 15.
- THE CONTRACTOR SHALL COMPLY WITH ALL RULES, REGULATIONS AND PROCEDURES OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) FOR MUNICIPAL, CONSTRUCTION AND INDUSTRIAL ACTIVITIES AS PROMULGATED BY THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD OR ANY OF ITS' REGIONAL WATER QUALITY CONTROL BOARDS. REFER TO THE FOLLOWING GENERAL PERMITS:
  - WQO 2022-0057-DWO, GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION AND LAND DISTURBANCE ACTIVITIES, WITH AMENDMENTS
  - WQO 2014-0194-DWO, GENERAL ORDER NO. CAG140001, STATEWIDE NPDES PERMIT FOR DRINKING WATER SYSTEM DISCHARGES TO WATERS OF THE UNITED STATES
  - WQO 2013-0001-DWO, GENERAL PERMIT FOR STORM WATER DISCHARGES FROM SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4)

- THE CONTRACTOR SHALL SUBMIT TWO SETS OF 'RED-LINE' AS-BUILT PLANS TO THE OWNER PRIOR TO FINAL ACCEPTANCE OF THE IMPROVEMENTS.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO KEEP PUBLIC STREETS FREE FROM DIRT AND DEBRIS. SHOULD ANY DIRT OR DEBRIS BE DEPOSITED IN PUBLIC RIGHT-OF-WAY, THE CONTRACTOR SHALL REMOVE IT IMMEDIATELY.
- LIMITED TEMPORARY STORAGE SPACE IS AVAILABLE INSIDE THE EXISTING SITE FENCING, CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY ADDITIONAL TEMPORARY EASEMENTS REQUIRED FOR STORAGE OR CONSTRUCTION OPERATIONS, AT NO ADDITIONAL EXPENSE TO THE OWNER. FILE WITH THE OWNER A COPY OF EACH WRITTEN AGREEMENT BETWEEN THE CONTRACTOR AND PROPERTY OWNER FOR EASEMENTS THUS ACQUIRED PRIOR TO ENTRY INTO OR USE OF THE SUBJECT AREA.
- ALL SURPLUS AND UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE SITE.
- CONTRACTOR SHALL NEITHER WASTE NOR DEPOSIT ANY HAZARDOUS MATERIALS ON THE SURFACES OF THIS PROJECT, INCLUDING BUT NOT LIMITED TO GASOLINE OR DIESEL FUELS, MOTOR OILS OR TRANSMISSION FLUIDS, ANTIFREEZE, HYDRAULIC FLUIDS, LUBRICANTS, STARTING FLUIDS AND FILTERS, AND/OR CONTAINERS FOR THESE PRODUCTS. HAZARDOUS MATERIAL SPILLS THAT OCCUR AS A RESULT OF EITHER EQUIPMENT FAILURES OR VANDALISM, INCLUDING ALL ADJACENT CONTAMINATED SOILS, SHALL BE EXCAVATED AND PACKAGED FOR DISPOSAL AT AN ENVIRONMENTALLY APPROVED DISPOSAL SITE. MATERIALS SHALL NOT BE TRANSPORTED OFF THE SITE UNTIL THEY ARE CATALOGED AND APPROVED BY THE CONSTRUCTION MANAGER. ALL REMOVAL, PACKAGING, TRANSPORTATION AND DISPOSAL COSTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS. THE FOLLOWING LIST OF STANDARDS ARE/OR SPECIFICATIONS ARE INCORPORATED INTO THESE PLANS BY REFERENCE. DESIGN AND CONSTRUCTION OF ALL IMPROVEMENTS SHALL COMPLY WITH ALL APPLICABLE STANDARDS INCLUDING:
  - CALIFORNIA WATER WORKS STANDARDS (CALIFORNIA CODE OF REGULATIONS, TITLES 17 AND 22)
  - AMERICAN WATER WORKS ASSOCIATION (AWWA) STANDARDS
  - CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ACT STANDARDS (CAL OSHA)
  - SCOTTS VALLEY WATER DISTRICT STANDARD DETAILS AND SPECIFICATIONS
- IMPROVEMENTS ARE SUBJECT TO INSPECTION AND APPROVAL BY OWNER'S THIRD-PARTY INSPECTOR AND THE ENGINEER. NOTIFY THE OWNER AT LEAST 48-HOURS PRIOR TO THE START OF WORK TO ARRANGE FOR INSPECTION.

EXISTING FACILITIES:

- TANK DRAWINGS ARE BASED ON RECORD DRAWINGS TITLED STEKOLL DEVELOPMENT CORPORATION 1.25MG WATER TANK BY BOONE, COOK AND ASSOCIATES - AUGUST 1982.
- EXISTING TANK IS 1,250,000 GALLON CAPACITY, WELDED CARBON STEEL. NOMINAL DIMENSIONS ARE HEIGHT = 32 FEET, DIAMETER = 85 FEET.
- SEQUOIA TANK DESIGN AND RECORD DRAWING PLANS TO BE PROVIDED FOR REFERENCE.
- EXISTING ANTENNA ON SEQUOIA TANK MUST REMAIN ONLINE THROUGHOUT DURATION OF WORK. PROTECT IN PLACE.

TANK ELEVATION VIEW  
NTS



MODIFICATIONS:

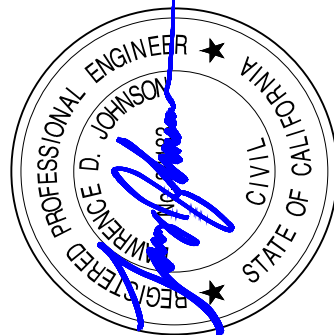
- ABRASIVE BLAST AND RE-COAT ROOF EXTERIOR PER PROJECT SPECIFICATIONS. WATER TANK MUST REMAIN IN SERVICE DURING ENTIRETY OF THE WORK.
- RE-COAT EXTERIOR HORIZONTAL FLOOR PLATE EXTENSION AND BOTTOM 6-INCHES OF TANK SHELL.
- REPLACE THE QUADRANT VENT COVERS ON THE FOUR QUADRANT 24" Ø VENTS WITH NEW DISHED HEAD TYPE COVERS THAT PROVIDE SIDE PROTECTION.
  - EXISTING QUADRANT VENT DIMESNIONS:
    - NOMINAL VENT DIAMETER = 24-INCHES
    - HEIGHT = 12-INCHES.
    - REFER TO RECORD DRAWINGS FOR MATERIAL LIST. FIELD VERIFY ALL MEASUREMENTS BEFORE PURCHASING MATERIALS.
  - REPLACE EXISTING SCREEN WITH TYPE 316 STAINLESS STEEL MESH, 24 MESH INSECT SCREEN INSIDE, 2X2 MESH OUTSIDE.
  - REPLACE ALL MOUNTING HARDWARE. HARDWARE SHALL BE PER SHEET C2.0
  - REPLACE EXISTING VENT COVER WITH THE DISHED HEAD TYPE COVER WITH VERTICAL SIDE PROTECTION.
- REMOVE EXISTING ELASTOMERIC JOINT SEALANT AND PLACE NEW ELASTOMERIC JOINT SEALANT AROUND THE EXTERIOR OF TANK BETWEEN THE TANK FLOOR PLATE/FLANGE RING AND CONCRETE RING FOUNDATION. ELASTOMERIC JOINT SEALANT SHALL BE SIKAFLEX 2C OR EQUAL.
- PERFORM SPOT COATING REPAIRS ON TANK SHELL.
- INSTALL FALL ARREST LADDER SYSTEM ON EXISTING LADDER.
- INSTALL SPRING LOADED SAFETY GATE AT TOP OF LADDER AND ROOF HANDRAILS.
- REMOVE AND REPLACE EXISTING ANODE GASKETS AFTER ROOF FINISH COAT HAS BEEN CURED. GASKETS SHALL BE HAND HOLE LINER GROMMET TYPE BY DIVE CORR (WWW.DIVECORR.COM)

TEMPORARY FACILITIES (IF NEEDED):

- PROVIDE A TEMPORARY ANTENNA MAST DURING THE WORK. THE MAST SHOULD BE APPROXIMATELY 60 FEET TALL AND POSITIONED IN THE SAME ORIENTATION AS THE EXISTING ANTENNA MOUNTED ON THE RESERVOIR.
- CONTRACTOR SHALL COORDINATE WITH THE DISTRICT PRIOR TO RELOCATING THE ANTENNA.
- ANTENNA SHALL STAY ACTIVE AND IN SERVICE DURING ENTIRE DURATION OF THE PROJECT.

EXTERIOR COATING AREAS	
TANK ROOF	5,700 SF ±
FLOOR PLATE EXTENSION AND BOTTOM 6-IN OF TANK SHELL	300 SF ±

SEALANT QUANTITY	
FLOOR PLATE EXTENSION AND RING FOUNDATION	300 LF ±



**Schaaf & Wheeler**  
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3 QUAIL RUN CIRCLE, SUITE #101  
SALINAS, CA 93907  
(831) 883-4848

SCOTTS VALLEY WATER DISTRICT  
SEQUOIA TANK VENTING AND COATING IMPROVEMENTS  
PLAN VIEW & NOTES

DATE: JUNE 2025	SCALE: AS SHOWN	DESIGN: JCT	DRAWN: JCT	CHECKED: LDJ
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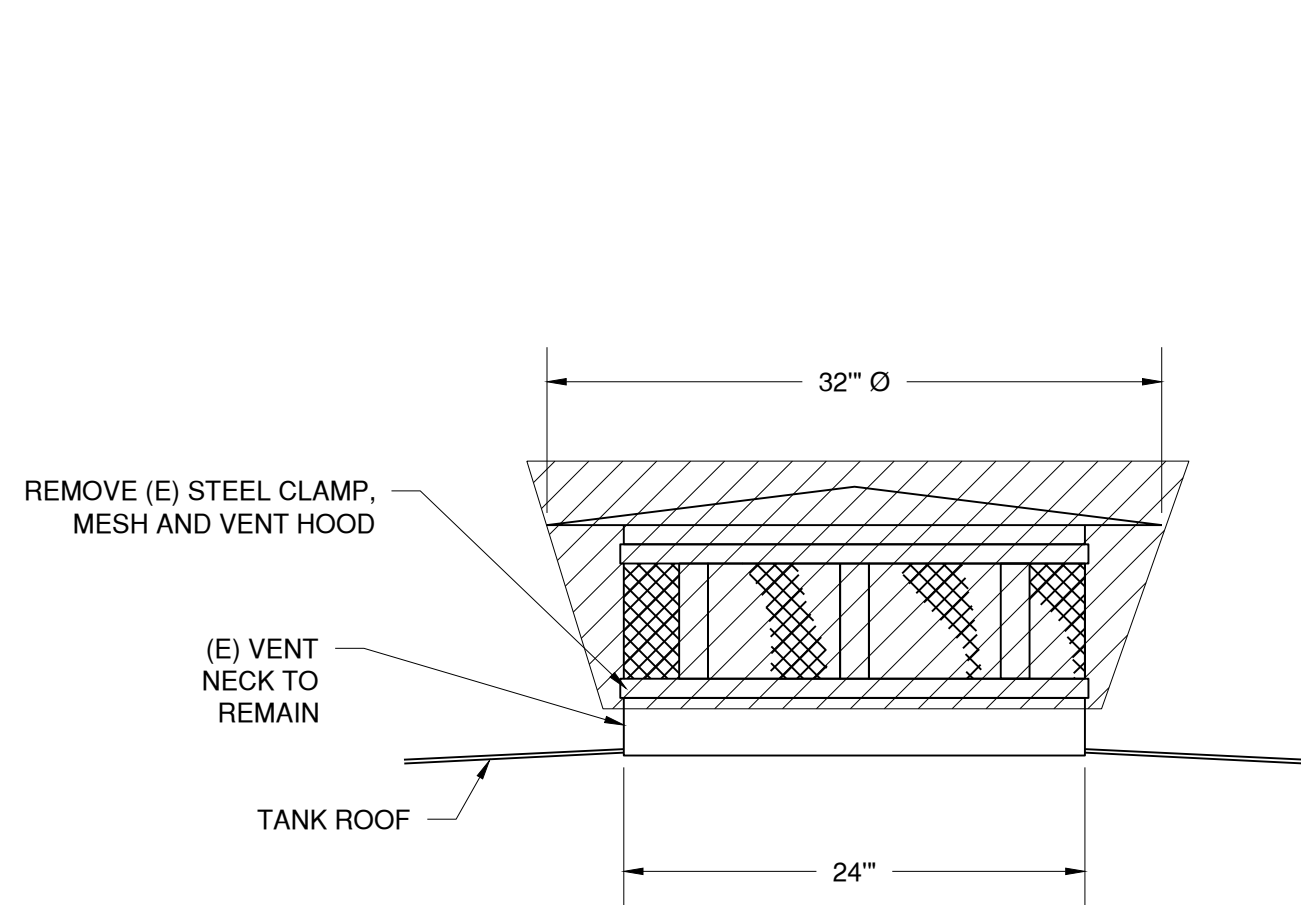
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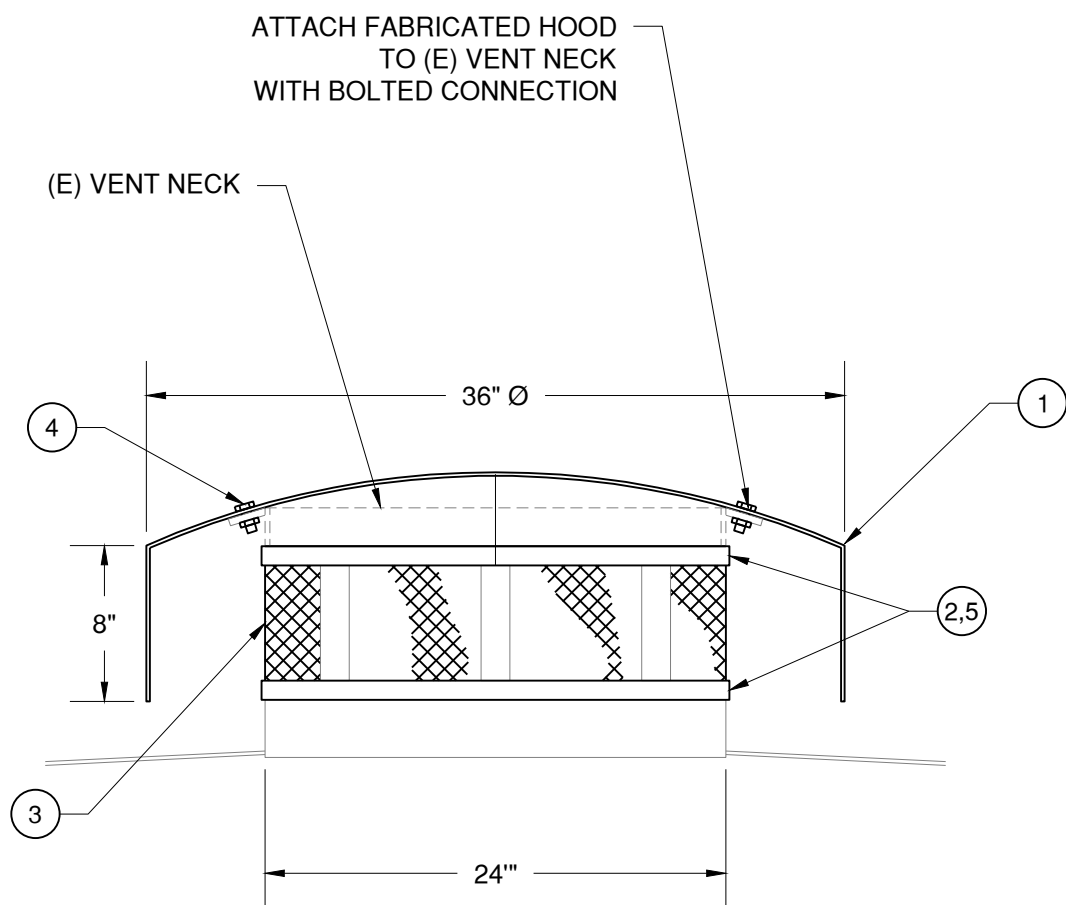
3 OF 3

NO	REVISIONS	DATE	APPR
1			
2			
3			
4			

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EXISTING



PROPOSED

QUADRANT VENT DETAIL

1

NO SCALE



TANK FLOOR PLATE IMPROVEMENTS

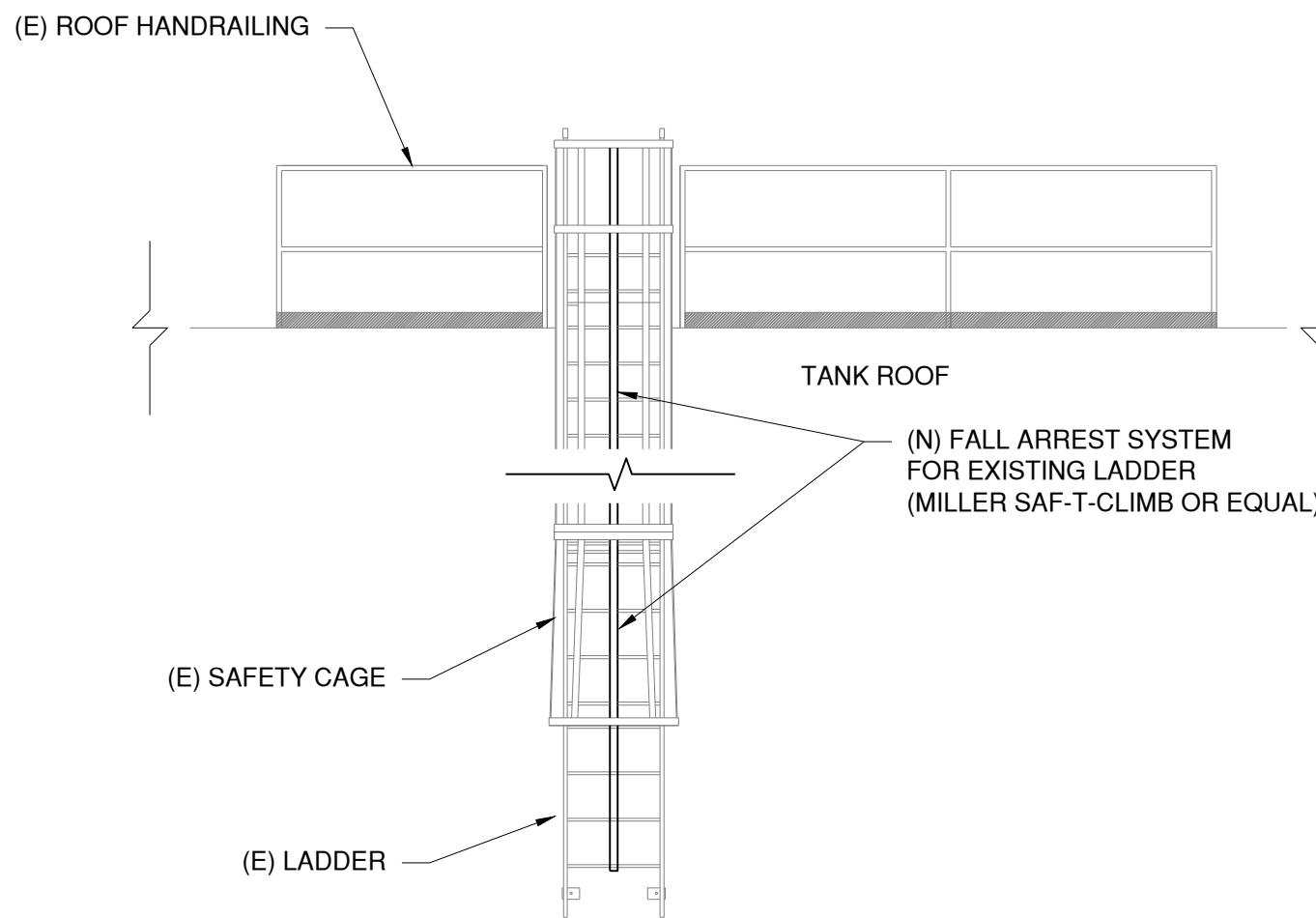
2

NO SCALE

BILL OF MATERIALS			
ITEM #	QTY	DESCRIPTION	MATRL.
1	1	36-INCH DISHED HEAD COVER	FRP
2	2	WORM DRIVE BAND, 1" WIDE X 6'-10" LONG	316 SS
3	1	24 MESH INSECT SCREEN ON INSIDE AND 2"X2" MESH ON OUTSIDE - 8" WIDE X 6'-10" LONG	316 SS
4	4	BOLT, $\varnothing \frac{5}{16}$ " X 3" LG HEX W/ NUT	A36
5	2	$\frac{1}{4}$ " THICK BAND SPACERS, 6'-10" LONG	NEOPRENE OR PE

NOTES:

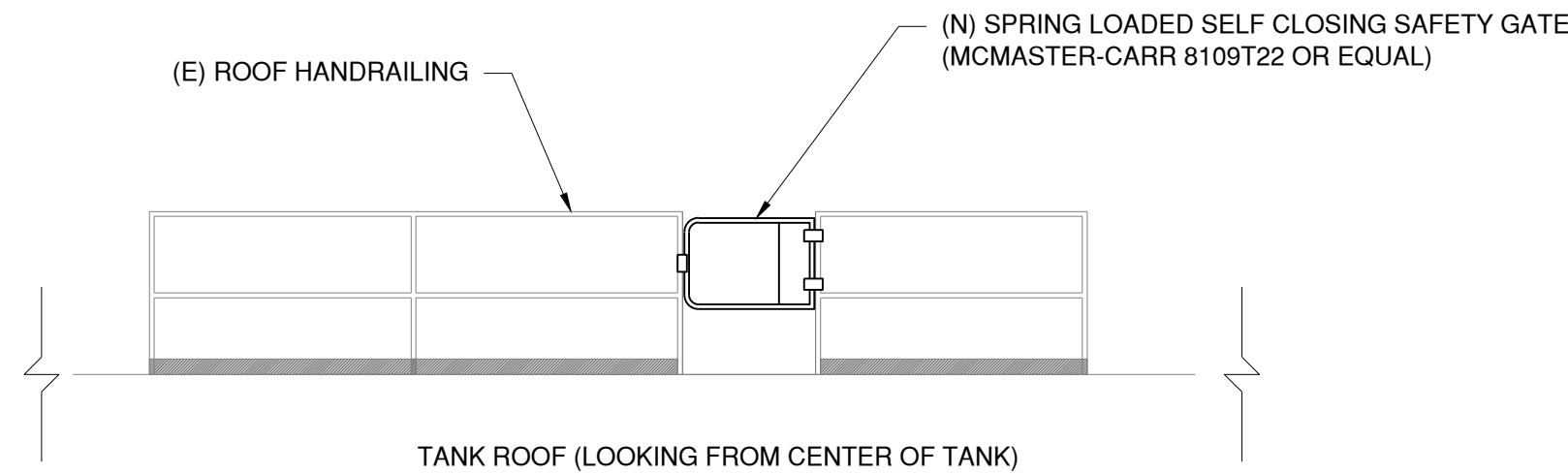
1. QUANTITIES ARE PER VENT. FOUR VENTS REQUIRED.
2. VENT COVERS TO BE COATED WITH SAME ROOF TANK COATING SYSTEM PRIOR TO INSTALLING SCREENING.



LADDER IMPROVEMENTS

3

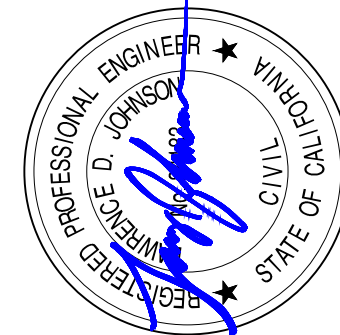
NO SCALE



SAFETY GATE

4

NO SCALE



APPR	DATE	REVISIONS	NO	Δ	Δ	Δ	Δ

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SCOTTS VALLEY WATER DISTRICT  
SEQUOIA TANK VENTING AND COATING IMPROVEMENTS  
VENT IMPROVEMENT DETAILS

DATE: JUNE 2025	SCALE: AS SHOWN	DESIGN: JCT	DRAWN: JCT	CHECKED: LDJ
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SHEET

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3 OF 3