

NOTE: All electrical to comply with Article 680 NEC. All pool steel and equipment to be grounded and bonded per Article 680 NEC. Gas line to be sized per UBC, 202 UBC, 2022 UPC, UMC and 2022 NEC as amended by the State of California and all applicable Town of Hillsborough ordinances will be employed during this project. Six-foot pool barrier fence to be installed prior to filling pool with water. All pool gates self-closing spring latched per section 421 of CBC.

All work shall be in compliance with city municipal and the 2022 editions of the California building code, 2022 California mechanical code, 2022 California plumbing code, 2022 California electrical code, the 2022 California energy code, 2022 green building standards code, 2022 California residential code.

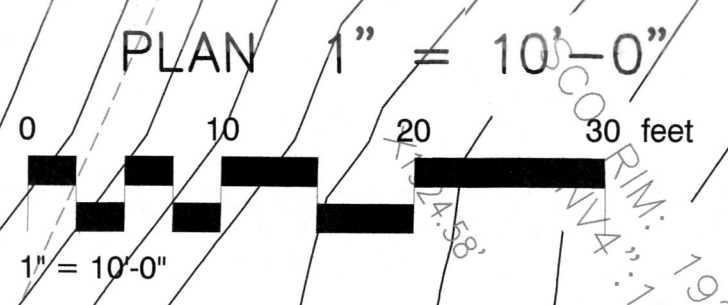
2022 IMT Building code 2022 IRC, 2022 UPC, UMC, 2022 NEC and 2022 T-24 as amended by the State of California (the 2019 building codes) and all city ordinances employed by the city during this project. All gates self closing 6' tall.

Safety Features 115924; AB 3305
 Whenever a permit is issued for construction of a new swimming pool at a private, single-family home, it shall be equipped with at least one OR a combination of the following safety features:
 1. The pool shall be isolated from access to a home by an enclosure (refer to Enclosure characteristics).
 2. The pool shall be equipped with an approved safety pool cover.
 3. All doors providing direct access from the home to the swimming pool shall be equipped with exit alarms on those doors providing direct access to the pool.
 4. All access gates shall be equipped with a self-closing, self-latching device with a release mechanism placed no lower than 54-in above the ground.
 5. Other means of protection, if the degree of protection afforded is equal to or greater than that afforded by any of the devices listed above.

24-04234-0
 SITE PLAN REVIEWED
 for compliance to structural details
 Matthew Thompson
 Pool Engineering, Inc.
 Structural details shall take precedence over conflicts with site plan.
 05/20/2024

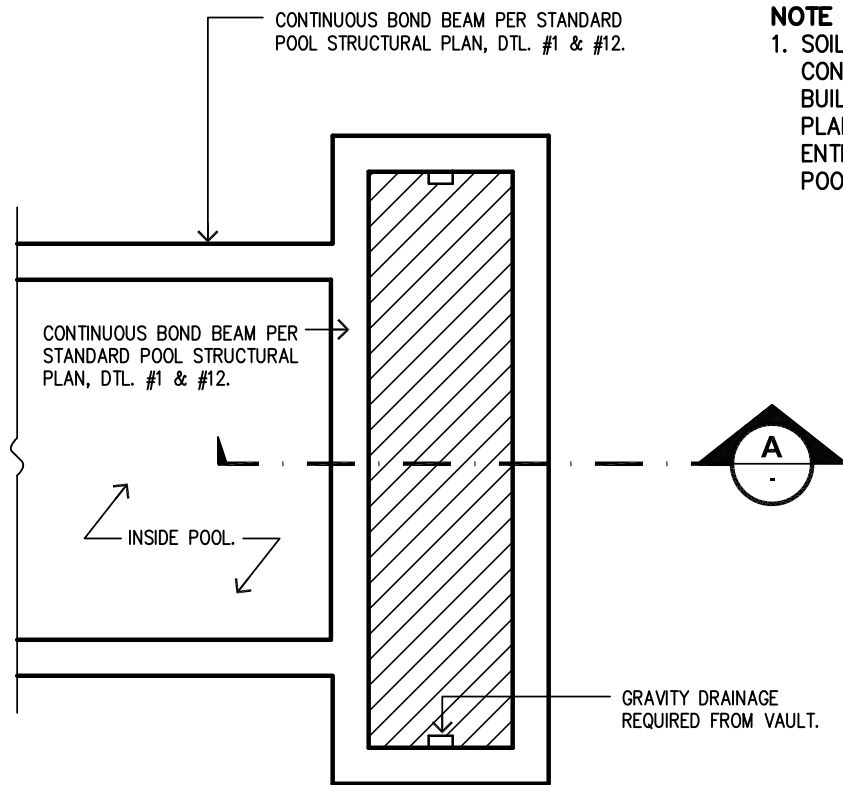
Construction Specifications:
 Pool type: gunite
 Engineering: see plans by pooleng.com
 Pool size: 22'x50'
 Spa size: 8'x8'
 Baja shelf: 20'6"x9'
 Depth: 3'6"-8'
 Total gallons: 33,000
 Safety codes: Pool Covers, Inc. auto cover
 Main residence automated alarms on all doors that enter to pool.
 Pool coping: 2"x14"x24" cast stone
 Waterline tile: 6"x6" cobalt ceramic
 Pool plaster: Stonescapes pebble finish
 Pool spa main drains split 36" grate to grate.
NOTE: All pool drains are VGB approved. There are no non-compliant drains on the market anymore.

Pool Mechanical:
 Filter pump: Jandy 2.7 VSP
 Pool filter: Jandy cartridge type 580 sq ft
 Pool heater: Jandy JX1 400K Cupro nickel
 Cleaner: Polaris 4.5 AMP booster and Quattro robot cleaner
 Automation Jandy RS8 with sun panel and smart phone with salt sanitizer and anode
 Pool skimmers: Two (2) automatic with water bond
 Pool shell bonded in all four (4) corners run back to pool pad in 8-gauge wire
 Pool suction line SCH 40 2.5" PVC
 Spa suction 2.5" SCH 40 PVC
 Pool returns 2" with up to eight (8) adjustable inlets.
 Spa returns 2" feeding six (6) therapy jets
 Spa air booster 2"
 Pool sweep line 1.5"
 Pool lights 5 12V LED eight (8) color, six (6) show by Jandy
 Spa lights 1-12V LED Jandy eight (8) color, (6) show
 Pool patio by others
 Gas line 2" 120' run in Polyethylene or P.E with tracer wire.
 Power feed 40 AMPS 130' run 1.5" conduit with 1.25" conduit for Ethernet to pool.
 Cover drains and deck drains by others.
 Property is 53 acres. Pool is hundreds of feet from property lines.



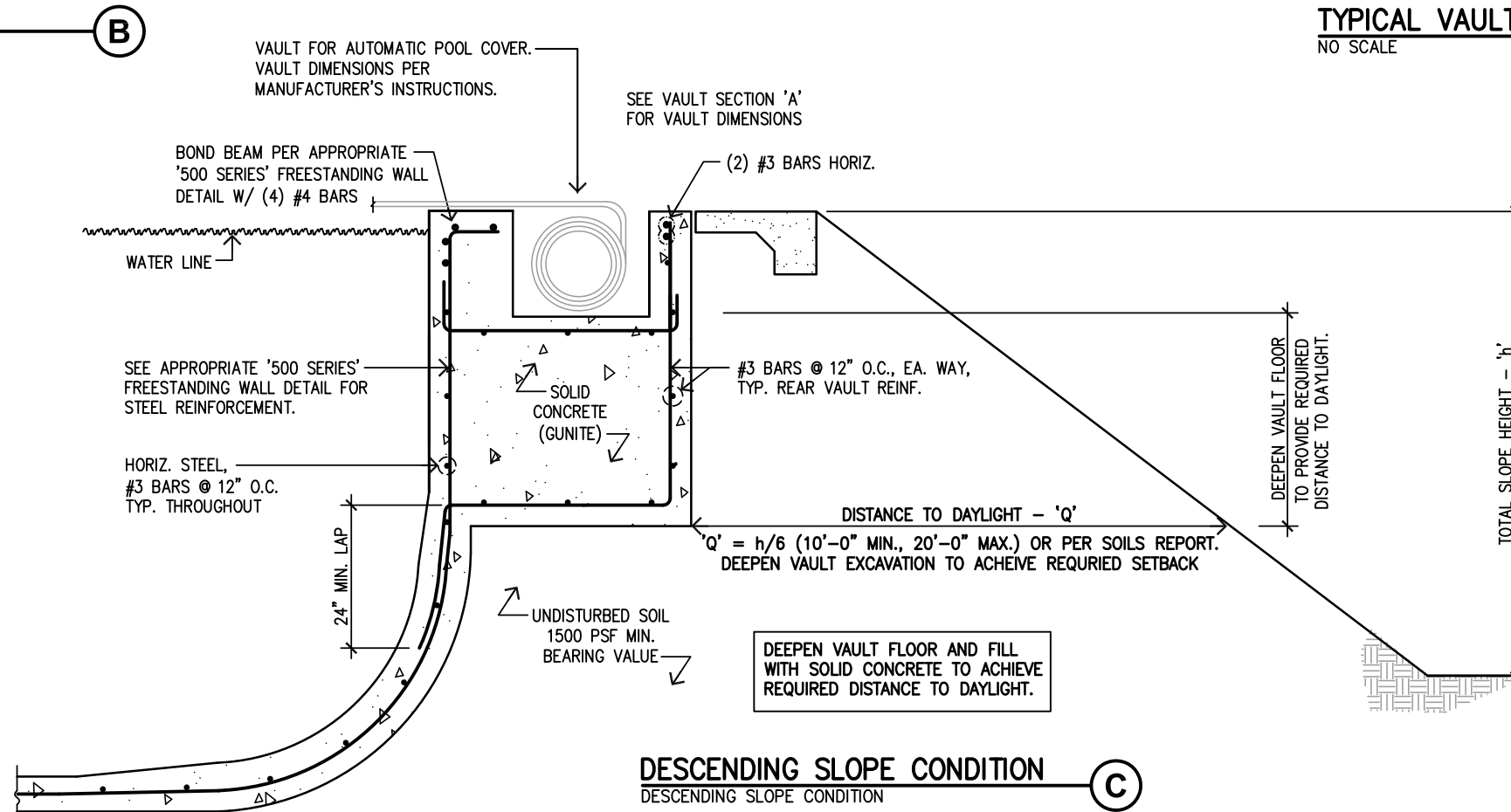
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VAULT DIMENSIONS PER MANUFACTURER'S INSTRUCTIONS.

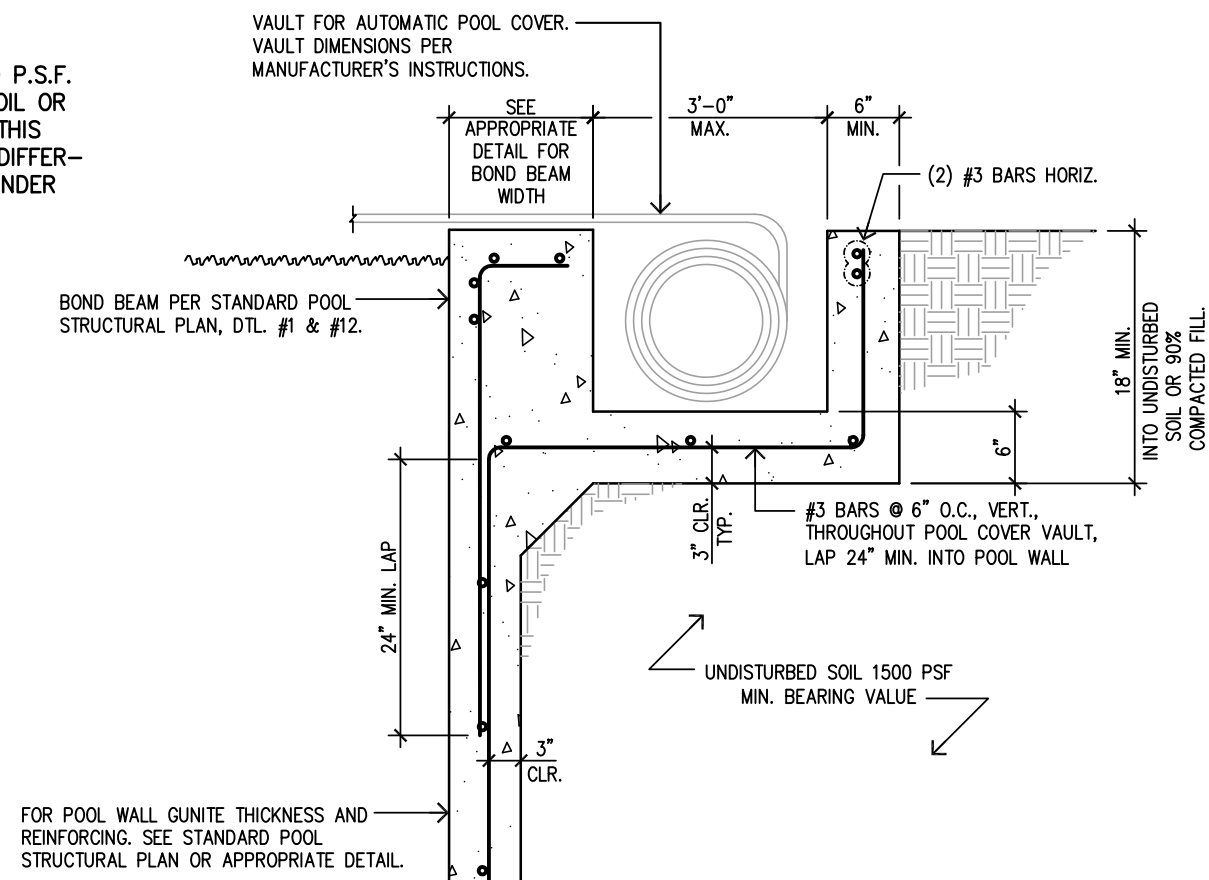
VAULT PLAN VIEW
NO SCALE



DESCENDING SLOPE CONDITION
DESCENDING SLOPE CONDITION

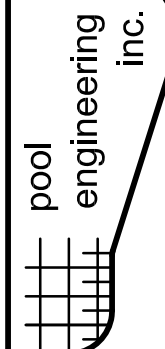
STANDARD POOL STRUCTURAL PLAN, STRUCTURAL NOTE #1 IS REPEATED HERE FOR EMPHASIS:

1. SOIL SHALL HAVE A MINIMUM BEARING VALUE OF 1,500 P.S.F. CONCRETE SHALL BE PLACED AGAINST UNDISTURBED SOIL OR BUILDING DEPARTMENT APPROVED 90% COMPACT FILL. THIS PLAN IS NOT SUITABLE WHERE POTENTIAL EXISTS FOR DIFFERENTIAL MOVEMENT FROM DISSIMILAR SOIL CONDITIONS UNDER POOL, SUCH AS CUT-FILL TRANSITIONS.

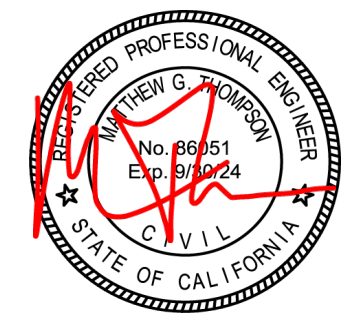


TYPICAL VAULT SECTION
NO SCALE

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info@pooleng.com



FOR USE ONLY AT:
5555 Felter Rd.
San Jose, CA 95132



05/20/2024

AUTOMATIC POOL COVER
VAULT DETAIL

PLAN VALID ONLY WITH EMBEDDED QR CODE ON DETAIL, WHICH WHEN SCANNED DISPLAYS THE INTENDED PROJECT ADDRESS

THIS DETAIL TO BE USED IN CONJUNCTION WITH STANDARD POOL STRUCTURAL PLAN

24-04234-dg

DETAIL #672