

SCOPE OF WORK:

PROPERTY INFORMATION:

- SLOPES: 2:1 Slopes
- POOL BARRIER: ALL GATES OPEN AWAY FROM POOL, SELF CLOSE, SELF LATCH, WITH LATCH MIN. 60" FROM GROUND.
- ALARMS: ALL DOORS WITH ACCESS TO POOL WILL HAVE DOOR ALARMS

NEW GUNITE POOL INFORMATION:

SURFACE AREA: 424 SQFT
PERIMETER: 103 FT
DEPTH: 3' - 5'

NEW GUNITE SPA INFORMATION:

ELEVATION FROM POOL: +24"
SURFACE AREA: 76 SQFT
PERIMETER: 35 FT
DEPTH: 3'
JETS: (6)

LINE INFORMATION:

- 1.5" POLYTHENE GAS LINE
- .75" PVC ELECTRICAL CONDUIT
- 3" PVC SUCTION LINE
- 2.5" PVC RETURN LINE
- #10 COPPER WIRE
- (ALL TRENCHES & LINES MIN. 18" DEEP)

ACCESS:

OPENING WIDTH: 6'-6"
TRACTOR SIZE: FULL SIZE

COPING:

- STANDARD POURED IN PLACE COPING

DECKING:

- PROPOSED DECKING AROUND POOL

DEMO:

- GRASS: NO
- CONCRETE: NO
- GRADING: NO
- ACCESS WALL: HOMEOWNER RESPONSIBLE FOR ACCESS WALL

EQUIPMENT LIST:

- JANDY 2.7 HP VARIABLE SPEED PUMP
- JANDY 460 CARTRIDGE FILTER
- JANDY 400k BTU HEATER
- (2) 24" SHEER DESCENTS
- (2) BUBBLERS
- (3) POOL LIGHTS
- (1) SPA LIGHT

PLASTER:

- STANDARD PLASTER

- 2022 CALIFORNIA BUILDING CODE
- 2022 CALIFORNIA RESIDENTIAL CODE
- 2022 CALIFORNIA ELECTRICAL CODE
- 2022 CALIFORNIA MECHANICAL CODE
- 2022 CALIFORNIA PLUMBING CODE
- 2022 CALIFORNIA FIRE CODE
- 2022 CALIFORNIA ENERGY CODE
- 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

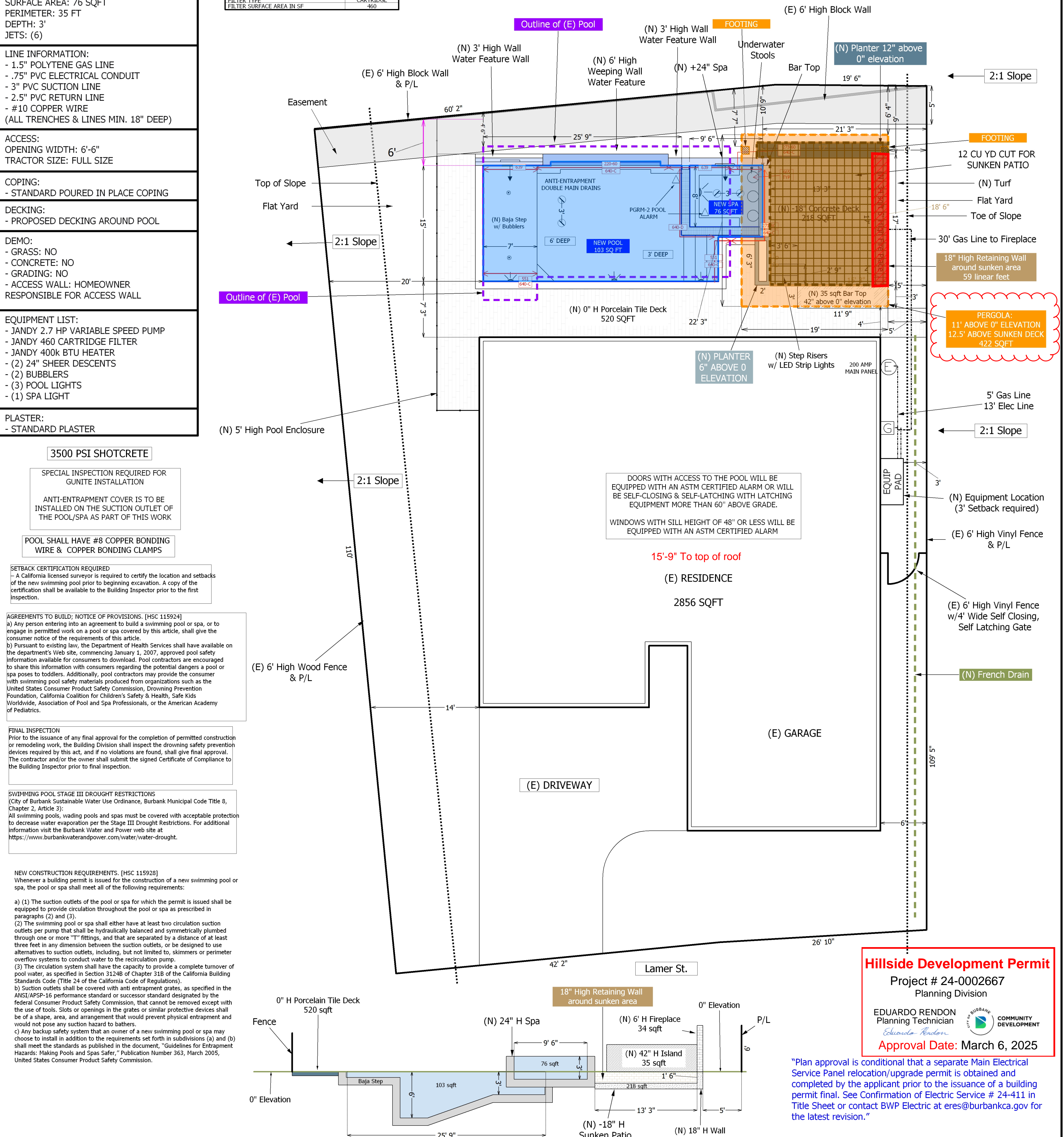
PIPE DIAMETER	MIN. W (INCH)
1.5	3/8
2	1/2
2.5	5/8
3	3/4
4	1

MAX POOL VOL. (GAL)	MIN PIPE O OR GREATER (INCHES)	MIN FILTER AREA OR MORE (SQFT)	MAX PUMP FLOW (GPM)
13,000	1.5	100	2.4
17,000	1.5	130	3.1
21,000	2	160	3.9
28,000	2	210	5.2
42,000	2.5	320	7.8
48,000	3	360	8.9

PUMP:	EQUIPMENT	INFORMATION
MANUFACTURER MODEL	JANDY VSPPH270AUT	5 HP - 2.7 HP
HORSEPOWER		35
MIN. PUMP FLOW IN GALLONS PER MINUTE (GPM) TO MEET REQUIREMENTS		YES
MULTI-SPEED PUMP (YES OR NO)		18000
POOL/SPA VOLUME IN GALLONS		2"
RETURN PIPE DIAMETER		CARTRIDGE
SUCTION PIPE DIAMETER		460
FILTER TYPE		
FILTER SURFACE AREA IN SF		

SITE PLAN REVIEWED for conformance to structural details

Matthew G. Thompson
Pool Engineering, Inc.
Structural details shall take precedence over conflicts with site plan.



3500 PSI SHOTCRETE

SPECIAL INSPECTION REQUIRED FOR GUNITE INSTALLATION

ANTI-ENTRAPMENT COVER IS TO BE INSTALLED ON THE SUCTION OUTLET OF THE POOL/SPA AS PART OF THIS WORK

POOL SHALL HAVE #8 COPPER BONDING WIRE & COPPER BONDING CLAMPS

SETBACK CERTIFICATION REQUIRED
- A California licensed surveyor is required to certify the location and setbacks of the new swimming pool prior to beginning excavation. A copy of the certification shall be available to the Building Inspector prior to the first inspection.

AGREEMENTS TO BUILD; NOTICE OF PROVISIONS. [HSC 115924]
a) Any person entering into an agreement to build a swimming pool or spa, or to engage in permitted work on a pool or spa covered by this article, shall give the consumer notice of the requirements of this article.
b) Pursuant to existing law, the Department of Health Services shall have available on the department's Web site, commencing January 1, 2007, approved pool safety information available for consumers to download. Pool contractors are encouraged to share this information with consumers regarding the potential dangers a pool or spa poses to toddlers. Additionally, pool contractors may provide the consumer with swimming pool safety materials produced from organizations such as the United States Consumer Product Safety Commission, Drowning Prevention Foundation, California Coalition for Children's Safety & Health, Safe Kids Worldwide, Association of Pool and Spa Professionals, or the American Academy of Pediatrics.

FINAL INSPECTION
Prior to the issuance of any final approval for the completion of permitted construction or remodeling work, the Building Division shall inspect the drowning safety prevention devices required by this act, and if no violations are found, shall give final approval. The contractor and/or the owner shall submit the signed Certificate of Compliance to the Building Inspector prior to final inspection.

SWIMMING POOL STAGE III DROUGHT RESTRICTIONS
(City of Burbank Sustainable Water Use Ordinance, Burbank Municipal Code Title 8, Chapter 2, Article 3):
All swimming pools, wading pools and spas must be covered with acceptable protection to decrease water evaporation per the Stage III Drought Restrictions. For additional information visit the Burbank Water and Power web site at <https://www.burbankwaterandpower.com/water/water-drought>.

NEW CONSTRUCTION REQUIREMENTS. [HSC 115928]
Whenever a building permit is issued for the construction of a new swimming pool or spa, the pool or spa shall meet all of the following requirements:
a) (1) The suction outlets of the pool or spa for which the permit is issued shall be equipped to provide circulation throughout the pool or spa as prescribed in paragraphs (2) and (3).
(2) The swimming pool or spa shall either have at least two circulation suction outlets per pump that shall be hydraulically balanced and symmetrically plumbed through one or more "T" fittings, and that are separated by a distance of at least three feet in any dimension between the suction outlets, or be designed to use alternatives to suction outlets, including, but not limited to, skimmers or perimeter overflow systems to conduct water to the recirculation pump.
(3) The circulation system shall have the capacity to provide a complete turnover of pool water, as specified in Section 3124B of Chapter 31B of the California Building Standards Code (Title 24 of the California Code of Regulations).
b) Suction outlets shall be covered with anti entrapment grates, as specified in the ANSI/APSP-16 performance standard or successor standard designated by the federal Consumer Product Safety Commission, that cannot be removed except with the use of tools. Slots or openings in the grates or similar protective devices shall be of a shape, area, and arrangement that would prevent physical entrapment and would not pose any suction hazard to bathers.
c) Any backup safety system that an owner of a new swimming pool or spa may choose to install in addition to the requirements set forth in subdivisions (a) and (b) shall meet the standards as published in the document, "Guidelines for Entrapment Hazards: Making Pools and Spas Safer," Publication Number 363, March 2005, United States Consumer Product Safety Commission.

Hillside Development Permit
Project # 24-0002667
Planning Division

EDUARDO RENDON
Planning Technician
Eduardo Rendon

Approval Date: March 6, 2025

"Plan approval is conditional that a separate Main Electrical Service Panel relocation/upgrade permit is obtained and completed by the applicant prior to the issuance of a building permit final. See Confirmation of Electric Service # 24-411 in Title Sheet or contact BWP Electric at eres@burbankca.gov for the latest revision."

KEN GMEREK, OWNER
2925 N. LAMER ST.
BURBANK, CA 91504
(818) 321-7656

APN 2471-022-028
TRACT #18923
LOT #87

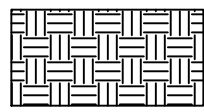
GMEREK RESIDENCE

COASTLINE POOLS & CONSTRUCTION INC

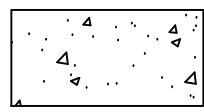
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SCALE: 1/8" = 1'0"

2308 HALF MOON LN.
COSTA MESA, CA. 92627
949-338-3041
C53 LIC #: 1082075
DRAWN BY: RYAN BIRD

SYMBOLS:

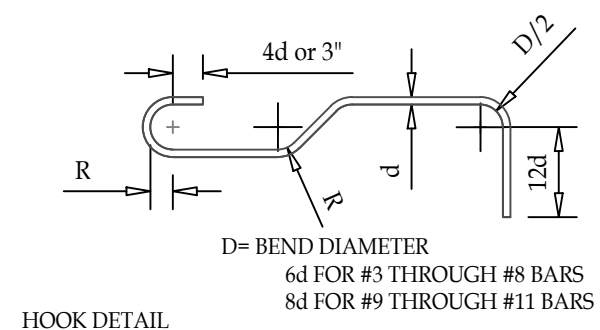


SOIL

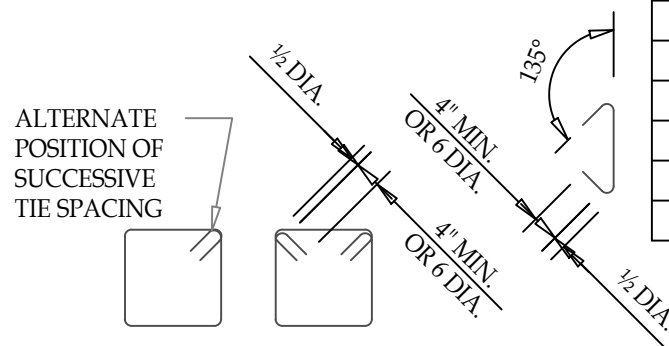


CONCRETE

TYPICAL REINFORCEMENT DETAILS



HOOK DETAIL



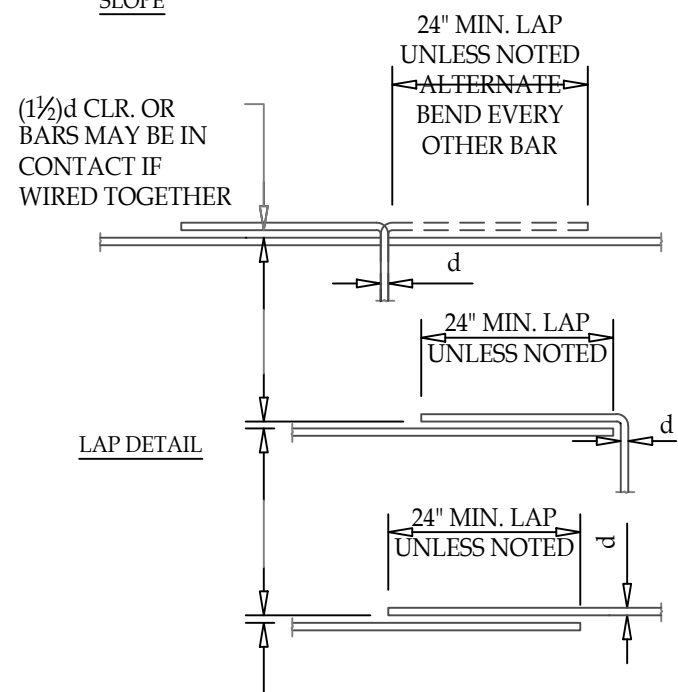
ALTERNATE POSITION OF SUCCESSIVE TIE SPACING

TIE DETAIL

NOTE: FOR SIZE & SPACING OF ALL TIES AND/OR STIRRUPS REFER TO SECTIONS, DETAILS, AND/OR PLANS.

NOTE: MAXIMUM SLOPE OF REINFORCING NOT TO EXCEED 1:6.

SLOPE



LAP DETAIL

BAR SIZE	MIN. HOOK EMBEDMENT	
	f _y = 40 ksi	f _y = 60 ksi
3	6"	6"
4	6"	8"
5	7"	10"
6	8"	12"
7	9"	14"
8	11"	16"
9	12"	18"
10	13"	20"

BAR SIZE	LENGTH OF LAP SPLICE	
	f _y = 40 ksi	f _y = 60 ksi
3	24"	24"
4	24"	29"
5	24"	36"
6	29"	43"
7	42"	63"
8	48"	72"
9	54"	81"
10	60"	90"

ABBREVIATIONS:

(E)	EXISTING
#	NUMBER
&	AND
@	AT
A.B.	ANCHOR BOLT
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
BLDG	BUILDING
BLKG	BLOCKING
A.N.	BOUNDARY NAILING
CIP	CAST IN PLACE
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
C.M.U.	CONCRETE MASONRY UNIT
COL	COLUMN
CONC.	CONCRETE
CONT	CONTINUOUS
d	PENNY (NAIL SIZE)
DIA or Ø	DIAMETER
DIST	DISTANCE
EA	EACH
EL	ELEVATION
E.N.	EDGE NAILING
E.W.	EACH WAY
E.S.	EACH SIDE
EXTG	EXISTING
EXT	EXTERIOR
F.N.	FIELD NAILING
FTG.	FOOTING
F.V.	FIELD VERIFY
GLB	GLU-LAM BEAM
HDR	HEADER
HORIZ	HORIZONTAL
HSS	HOLLOW STRUCTURAL SECTION
IRP	INSULATED ROOF PANEL
JST	JOIST
LONG	LONGITUDINAL
LSL	TIMBERSTRAND, LAMINATED STRAND LUMBER
LVL	MICROLLAM
M.B.	MACHINE BOLT
MIN	MINIMUM
NO. or #	NUMBER
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
O.H.	OTHER HAND
PSL	PARALLAM
REBAR	REINFORCING BAR
REQ'D	REQUIRED
SHTG	SHEATHING
SIM	SIMILAR
SQ	SQUARE
STAG	STAGGER OR STAGGERED
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
THK	THICK
THRU	THROUGH
TRANS	TRANSVERSE
U.O.N.	UNLESS OTHERWISE NOTED
VERT	VERTICAL
W/	WITH
W/O	WITHOUT

HARDWARE NOTES:

1. BOLTS SHALL CONFORM TO ASTM A307.
2. ALL BOLTS SHALL BE INSTALLED WITH A METAL PLATE OR WASHER NOT LESS THAN A STANDARD CUT WASHER BETWEEN WOOD AND BOLT HEAD AND WOOD AND NUT.
3. HOLES FOR BOLTS SHALL BE BORED 1/32" TO 1/16" LARGER THAN NOMINAL BOLT DIAMETER.
4. LAG SCREWS MUST PENETRATE 3" MIN. INTO COMPETENT FRAMING MEMBERS, AND NOT DERIVE ANY SUPPORT FROM RIM JOISTS OR BLOCKING UNLESS SPECIFICALLY DETAILED.
5. NAILS SHALL BE COMMON WIRE. NAILING SHALL BE AS NOTED ON THE PLANS AND DETAILS.
6. ALL METAL CONNECTORS SHALL BE SIMPSON STRONG-TIE CONNECTORS OR APPROVED EQUAL WITH APPROVED GALVANIZED NAILS AND/OR BOLTS, AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS.

ALUMINUM NOTES:

1. ALUMINUM MEMBERS SHALL CONFORM TO AA ADMI-10 (CURRENT EDITION).
2. ALL BOLTS SHALL BE INSTALLED AS BEARING TYPE CONNECTION WITH THREADS INCLUDED. ALL HIGH STRENGTH BOLTS SHALL BE FULLY PRE TENSIONED USING LOAD INDICATOR WASHERS OR LOAD INDICATOR BOLTS.
3. WELDING SHALL BE PERFORMED BY A CERTIFIED WELDER W/ EXPERIENCE IN ALUMINUM WELDING. ALL WELDING SHALL CONFORM TO AWS D1.2 LATEST STRUCTURAL WELDING CODE-ALUMINUM.
4. OTHER MATERIALS (BOLTS, NUTS, WASHERS, ETC.) MAY BE USED IN CONSTRUCTION WHERE CONTACT OF DISSIMILAR MATERIALS MAY CAUSE ELECTROLYSIS OR WHERE ALUMINUM WILL COME IN CONTACT W/ CONCRETE, MORTAR OR PLASTER, THE CONTACT SURFACE OF THE ALUMINUM SHALL BE COATED W/ (1) COAT OF ZINC CHROMATE PRIMER AND OR HEAVY COAT OF ALUMINUM PIGMENTED ASPHALT PAINT.

FOUNDATION NOTES:

1. CONCRETE SHALL BE PLACED AGAINST UNDISTURBED SOIL OR BUILDING DEPARTMENT APPROVED COMPACTED FILL.
2. ALL FOOTING STEEL SHALL HAVE 3" MINIMUM CLEARANCE TO EARTH.
3. SOIL SHALL HAVE MINIMUM VALUES OF 1,500 P.S.F. BEARING PRESSURE AND 200 P.C.F. PASSIVE PRESSURE OR PER APPROVED GEOTECHNICAL RECOMMENDATIONS.
4. SHOULD UNUSUAL OR UNEXPECTED SOIL CONDITIONS BE ENCOUNTERED, A GEOTECHNICAL ENGINEER SHOULD BE NOTIFIED TO PROVIDE ADDITIONAL RECOMMENDATIONS.

CONCRETE NOTES:

1. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,500 P.S.I. @ 28 DAYS UNLESS NOTED.
2. KEEP CONCRETE DAMP CONTINUOUSLY FOR 14 DAYS.
3. CONCRETE AGGREGATES SHALL CONFORM TO ASTM C 33.
4. WATER USED IN CONCRETE SHALL BE CLEAN AND FREE FROM DELETERIOUS SUBSTANCES.
5. HYDRATED LIME SHALL CONFORM TO ASTM C 51.
6. CEMENT SHALL BE PORTLAND CEMENT CONFORMING TO CBC/IBC CHAP. 19 DIV. II AND BE TYPE I OR II.
7. NO ADMIXTURES OF ANY KIND ARE ALLOWED WITHOUT APPROVAL FROM THIS OFFICE PRIOR TO CONSTRUCTION.
8. SHOULD PROVISIONS FOR SEVERE SULFATE EXPOSURE BE REQUIRED BY THE BUILDING AUTHORITY, CONCRETE IN CONTACT WITH SOIL SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,500 P.S.I. TYPE V CEMENT, AND A WATER/CEMENT RATIO OF 0.45.

REBAR NOTES:

1. REINFORCING STEEL SHALL BE DEFORMED BARS & CONFORM TO ASTM A615 GRADE 40 FOR #4 BARS AND SMALLER, AND GRADE 60 FOR #5 BARS AND LARGER.
2. THE MINIMUM COVER FOR REINFORCEMENT SHALL BE IN ACCORDANCE WITH CBC/IBC, ACI 318, AND TMS 402.
3. BARS SHALL BE CLEAN OF GREASE AND/OR OTHER MATERIAL LIKELY TO IMPAIR BONDING.
4. ALL REBAR SHALL BE BENT COLD IN ACCORDANCE WITH ACI 318.
5. ALL REINFORCING STEEL LAPS OR SPLICES SHALL BE AS INDICATED ON PLANS. WHERE LAP OR SPLICE LOCATIONS ARE NOT SPECIFIED, LAPS OR SPLICES SHALL BE WELL STAGGERED.
6. ENDS OF REINFORCEMENT SHALL BE COVERED WITH PLASTIC CAPS TO PROTECT CRAFT PERSONNEL FROM INJURY PER OSHA STANDARD 1926.701(b).
7. PLASTIC CAPS SHALL BE REMOVED PRIOR TO ENCASEMENT REINFORCEMENT IN CONCRETE. PROTECT FROM CORROSION ALL REINFORCEMENT LEFT EXPOSED FOR FUTURE CONCRETE OR GROUT PLACEMENT.
8. DOWELS SHALL BE PROVIDED AT POUR JOINTS AND AT CONSTRUCTION JOINTS, AND SHALL BE THE SAME SIZE AND SPACING AS THE REINFORCING SHOWN FOR THE SUBSEQUENT CONSTRUCTION, UNLESS NOTED OTHERWISE.

GENERAL NOTES:

1. THIS PLAN WAS DESIGNED IN ACCORDANCE WITH THE CODES SPECIFIED IN THE DESIGN CRITERIA, AND ALL METHODS OF CONSTRUCTION AND MATERIALS SHALL COMPLY WITH THOSE CODES.
2. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER DRAWING SCALE.
3. THIS PLAN IS NOT INTENDED TO BE APPLICABLE FOR NON STRUCTURAL ITEMS INCLUDING BUT NOT LIMITED TO ELECTRICAL, WATERPROOFING, DRAINAGE, OR CONCRETE DECKING ON GRADE.
4. CONTRACTOR OR OWNER SHALL VERIFY AND IS ULTIMATELY RESPONSIBLE FOR ALL FIELD CONDITIONS AND DIMENSIONS AT THE JOB SITE. IF THE SITE CONDITIONS CHANGE OR ARE NOT AS SHOWN, CONTRACTOR OR OWNER SHALL CONTACT THE ENGINEER BEFORE CONSTRUCTION.
5. NO DEVIATIONS FROM STRUCTURAL DETAILS SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER. APPROVAL BY THE CITY INSPECTOR/PLAN REVIEWER DOES NOT CONSTITUTE AUTHORITY TO DEVIATE FROM PLANS OR SPECIFICATIONS.
6. OWNER, ARCHITECT OR CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND CHECKING STRUCTURAL PLANS AND DETAILS HEREIN FOR CORRECTNESS OF DESIGN INTENT PRIOR TO SUBMITTING FOR PERMIT, INITIATION OF WORK OR ORDERING OF MATERIALS. VARIANCES OR ERRORS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING.
7. THE PLANS AND SPECIFICATIONS REPRESENT THE COMPLETED STRUCTURE AND DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES AND PROCEDURES, INCLUDING, BUT NOT LIMITED TO BRACING, SHORING, AND DEMOLITION.
8. CONTRACTOR TO VERIFY WITH THE ENGINEER ANY CHANGES MADE TO THE PROJECT THAT DEVIATE FROM THIS PLAN PRIOR TO CONSTRUCTION.

DESIGN CRITERIA:

- C.B.C. 2022
- LUMBER: DF-L #1 (6x & LARGER) DF-L #2 (2x-4x)
- CONCRETE: 2,500 P.S.I.
- MASONRY: 1,500 P.S.I.
- BOLTS: ASTM 307
- REINFORCING STEEL: GRADE 40
- ALUMINUM: 6061-T6 (F_y=35 ksi)
- LIVE LOAD: 10 P.S.F. (ROOF)
- DEAD LOAD: 2.0 P.S.F. (ROOF)
- S₅: 2.002
- S₁: 0.731
- SITE CLASS: D
- S.D.C.: D
- M.L.F.R.S.: CANTILEVER COLUMN SYSTEM: 1.25
- RISK CATEGORY: II
- WIND SPEED: 100 M.P.H.
- EXPOSURE CATEGORY: C
- ACTIVE PRESSURE: 35 PCF
- PASSIVE PRESSURE: 200 PCF
- FRICTION: 0.25

SPECIAL INSPECTIONS:

REQ'D	#	DESCRIPTION
<input type="checkbox"/>	1	CONCRETE
<input type="checkbox"/>	2	ANCHORS INSTALLED IN CONCRETE
<input type="checkbox"/>	3	STRUCTURAL WELDING
<input type="checkbox"/>	4	DEEP FOUNDATIONS
<input type="checkbox"/>	5	VERIFY SOIL CONDITIONS
<input type="checkbox"/>	6	AS REQUIRED BY BUILDING OFFICIAL

SHEET INDEX:

SHEET #	SHEET CONTENTS
S-1	GENERAL NOTES
S-2	FOUNDATION/FRAMING PLAN & SECTION
S-3	DETAILS

Hillside Development Permit
 Project # 24-0002667
 Planning Division

EDUARDO RENDON
 Planning Technician
Eduardo Rendon

Approval Date: March 6, 2025

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 JURUPA VALLEY, CA 92509
 (909) 566-0066
 SE@McPE.GROUP

PROPERTY RIGHTS TO ALL DRAWINGS, REPRESENTATIONS, IDEAS, DETAILS, NOTES & SPECIFICATIONS EITHER COPIES OR ORIGINALS THEREOF THAT MAY BE INCORPORATED INTO THE DESIGN ARE THE PROPERTY SOLELY OF MCPHERSON ENGINEERING. PERMISSION FOR ANY COPIES OF SAID COPYRIGHTED MATERIALS, DRAWINGS, REPRESENTATIONS, IDEAS, DETAILS AND SPECIFICATIONS EITHER ORIGINALS OR COPIES THEREOF TO BE MADE, COPIED OR ALTERED BY ANY PERSON, BUSINESS, OR CORPORATION MAY ONLY BE AUTHORIZED WITH THE EXPRESSED WRITTEN PERMISSION OF MCPHERSON ENGINEERING. BY THE USE OF THIS PLAN, THE USER ACKNOWLEDGES THAT HE/SHE READ & UNDERSTANDS ALL OF THE NOTES INCLUDED HEREIN.

REVISIONS:

NO.	REASON	DATE
1		
2		
3		
4		

PROJECT LOCATION:

THE GMERK RESIDENCE
 2925 N LAMER STREET,
 BURBANK, CA 91504

CONTRACTOR:

CRAFTED PATIOS

PROJECT DESCRIPTION:

FREESTANDING PATIO COVER

SHEET CONTENTS:

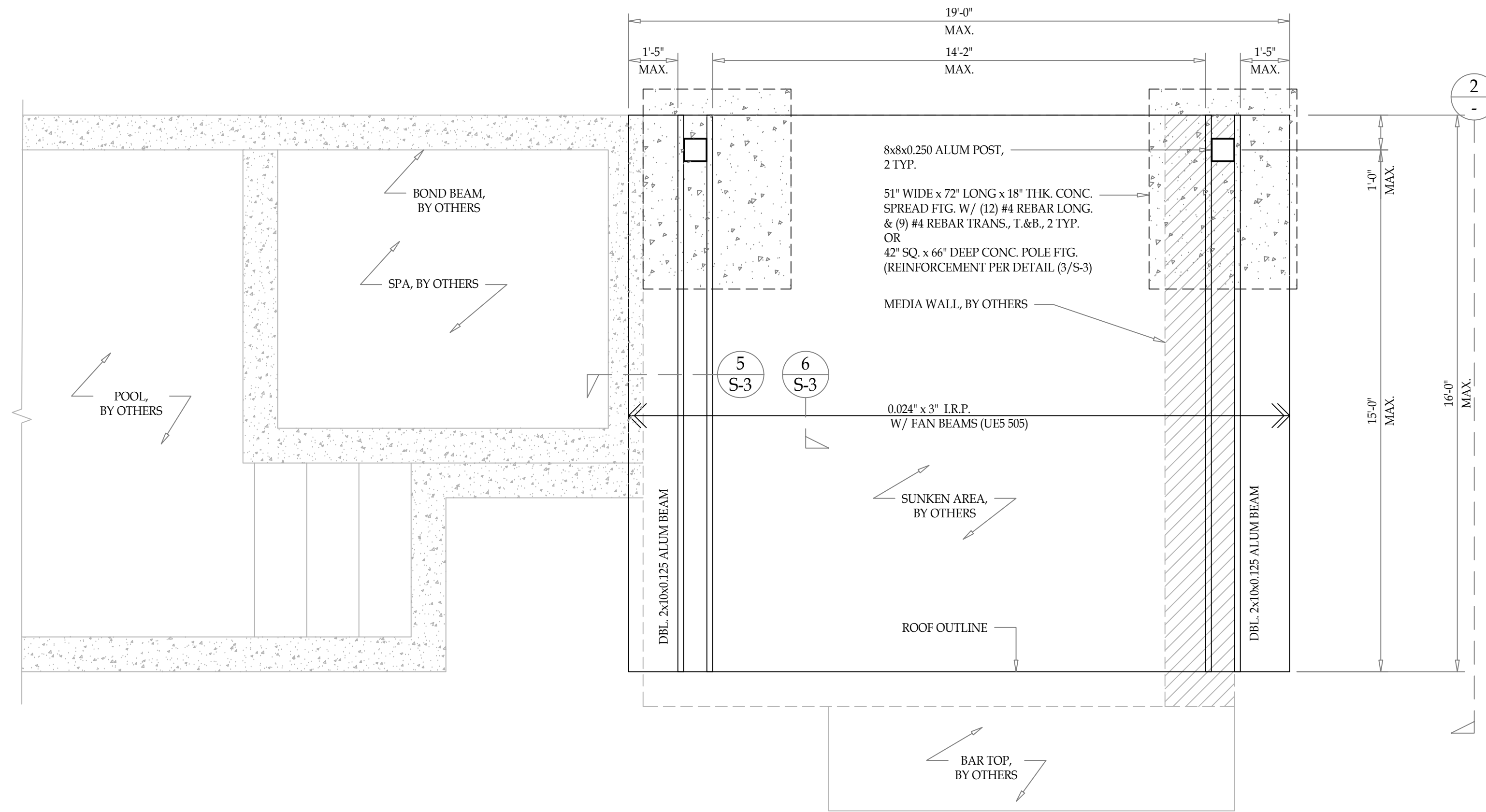
GENERAL NOTES

E.O.R.

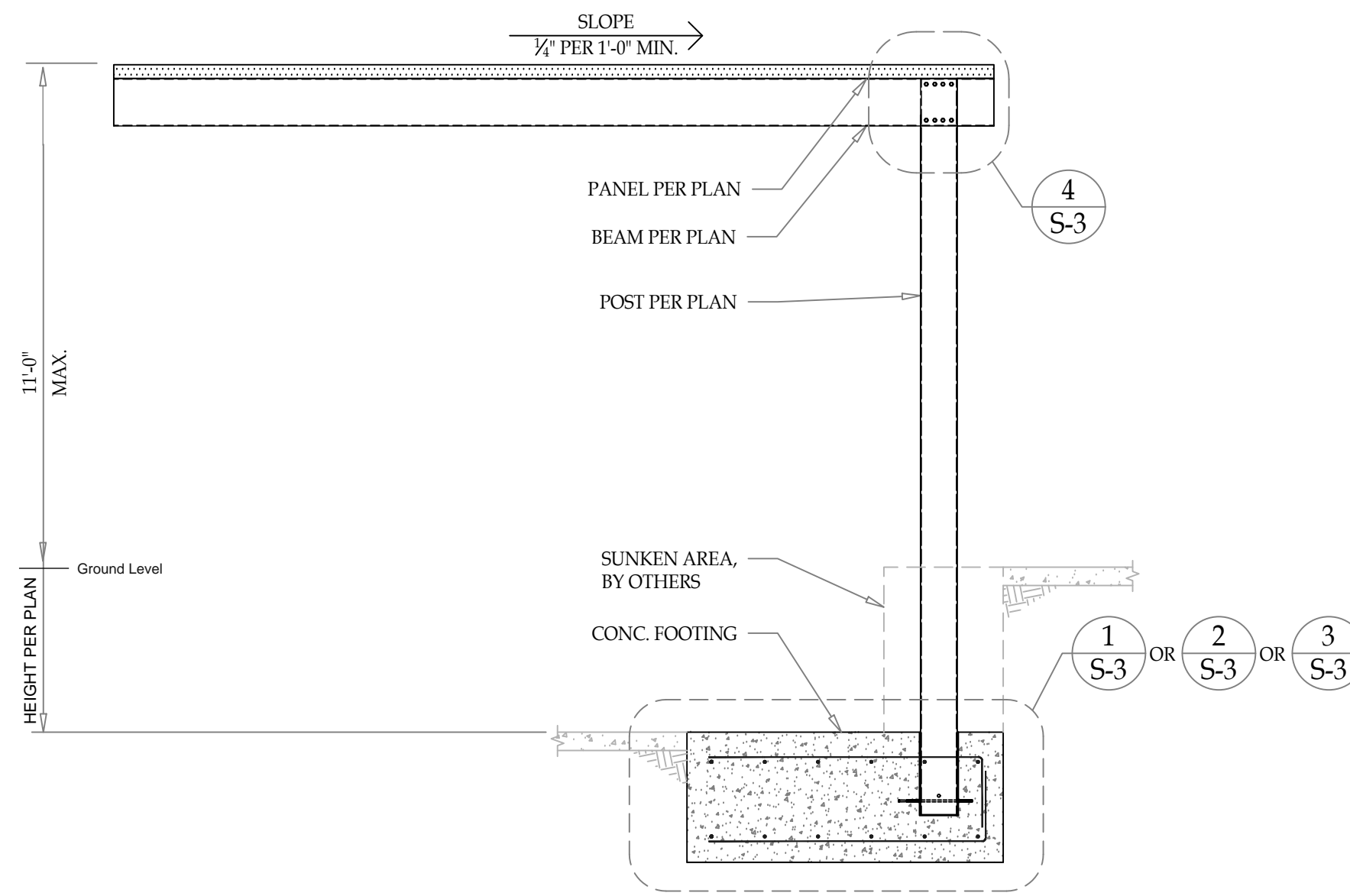


This item has been digitally signed and sealed on Nov 06, 2024

DATE:	11/06/24
DRAFTED BY:	J.N.
DESIGNED BY:	J.N.
PROJECT #:	24-06801
SHEET #:	



PLAN SCALE: 3/8"=1'-0" 1



SECTION SCALE: N.T.S. 2

Hillside Development Permit
 Project # 24-0002667
 Planning Division
 EDUARDO RENDON
 Planning Technician
Eduardo Rendon
 Approval Date: March 6, 2025

NOTE:
 FOOTINGS TO EXTEND MIN. 12"
 INTO UNDISTURBED SOIL OR 90%
 COMPACTED FILL

MCPHERSON ENGINEERING
 RYAN MCPHERSON, P.E.
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PROJECT LOCATION:
THE GMERK RESIDENCE
 2925 N LAMER STREET,
 BURBANK, CA 91504

CONTRACTOR:
CRAFTED PATIOS

PROJECT DESCRIPTION:
FREESTANDING PATIO COVER

SHEET CONTENTS:
FOUNDATION/FRAMING PLAN & SECTION

E.O.R.

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DATE:	11/06/24
DRAFTED BY:	J.N.
DESIGNED BY:	J.N.
PROJECT #:	24-06801
SHEET #:	

S-2



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REVISIONS:

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THE GMERK RESIDENCE
2925 N LAMER STREET,
BURBANK, CA 91504

CONTRACTOR:

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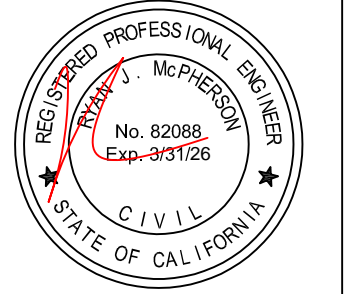
PROJECT DESCRIPTION:

FREESTANDING PATIO COVER

SHEET CONTENTS:

DETAILS

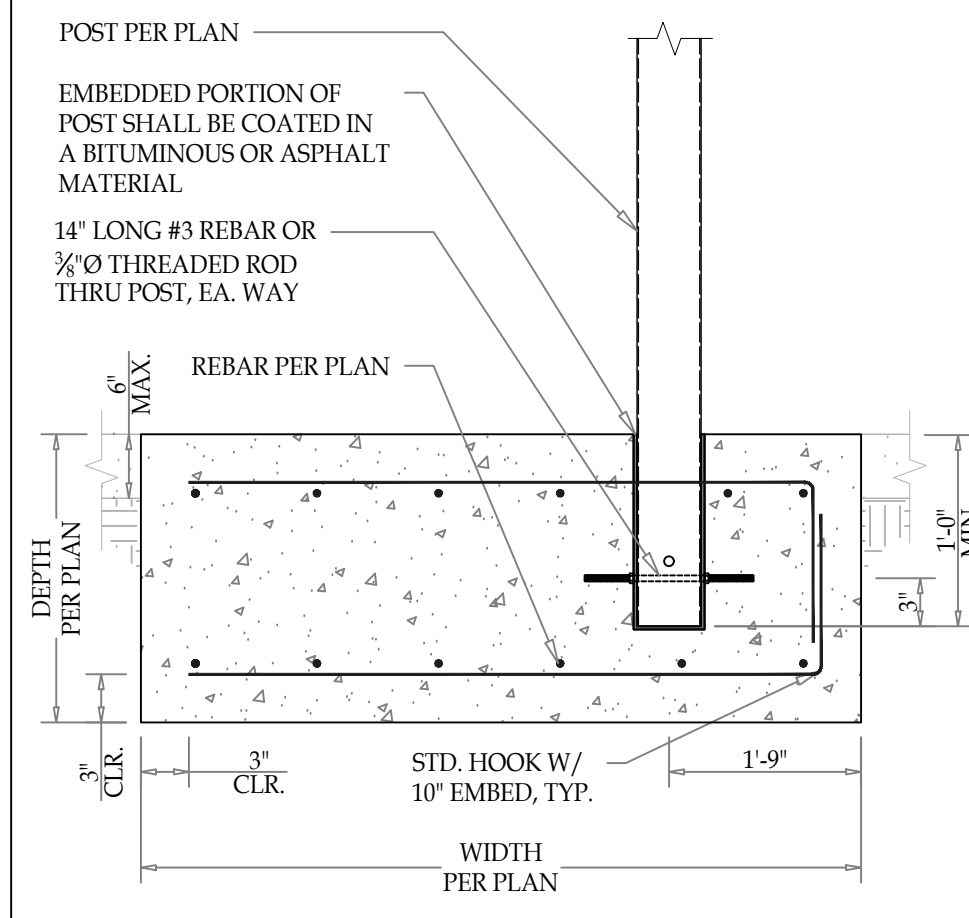
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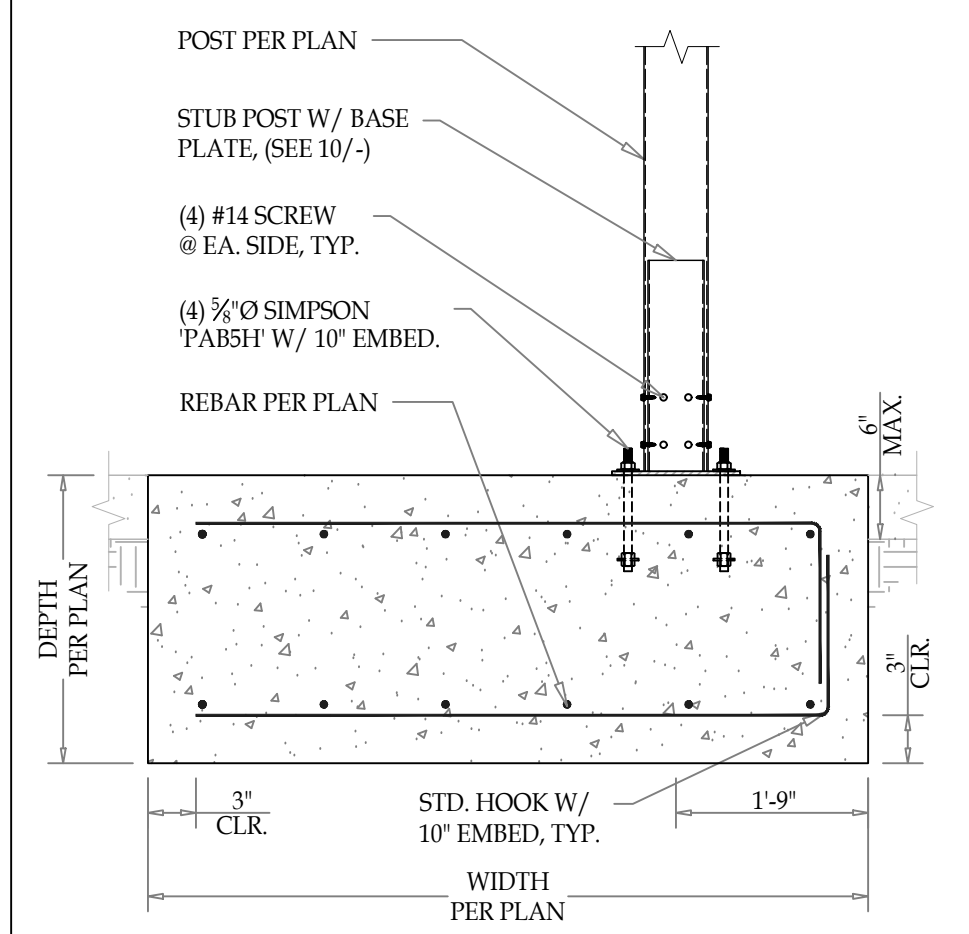
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DATE:	11/06/24
DRAFTED BY:	J.N.
DESIGNED BY:	J.N.
PROJECT #:	24-06801
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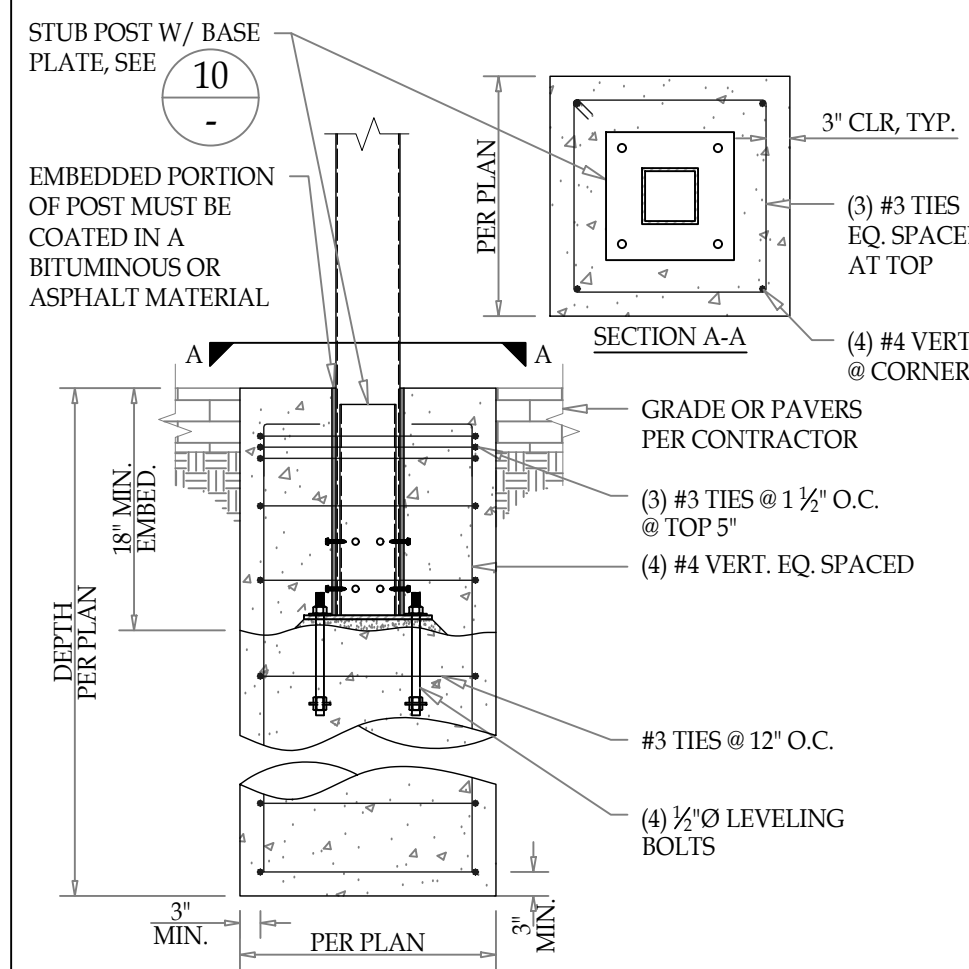
S-3



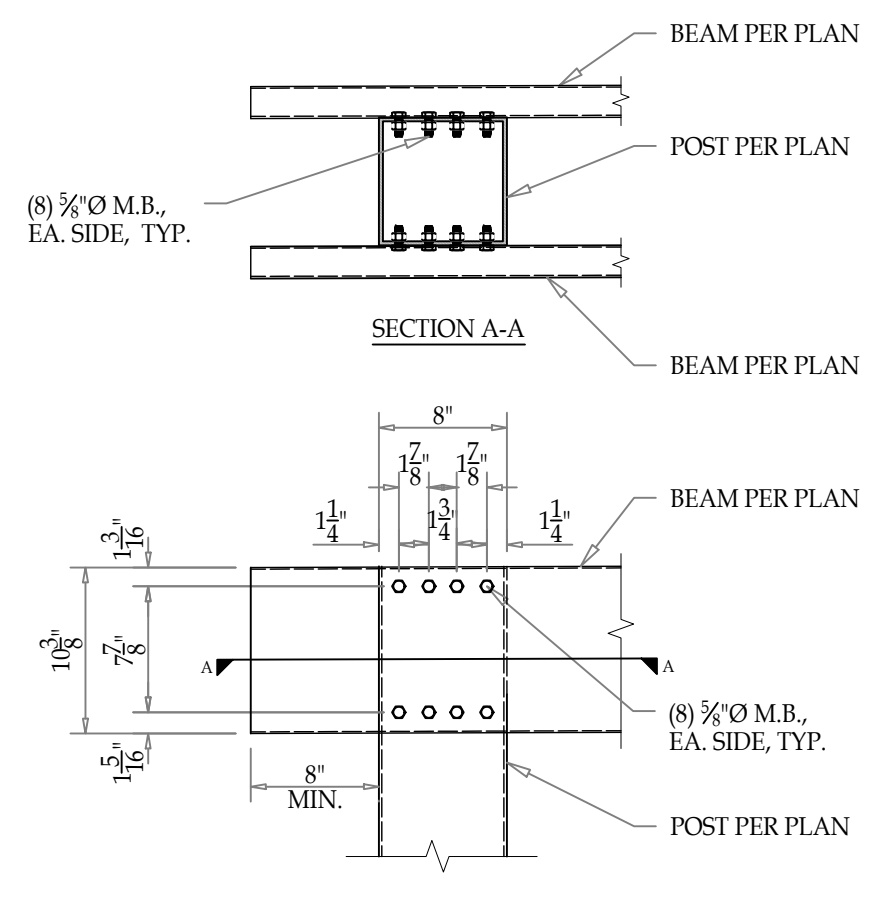
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N.T.S.



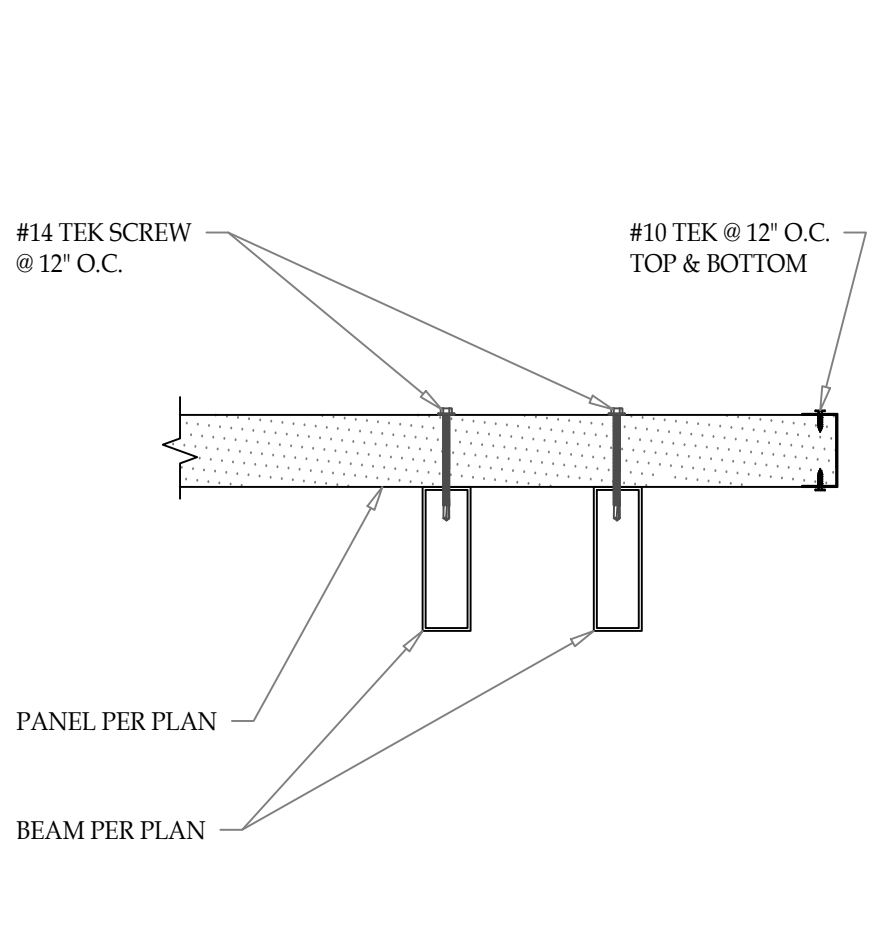
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N.T.S.



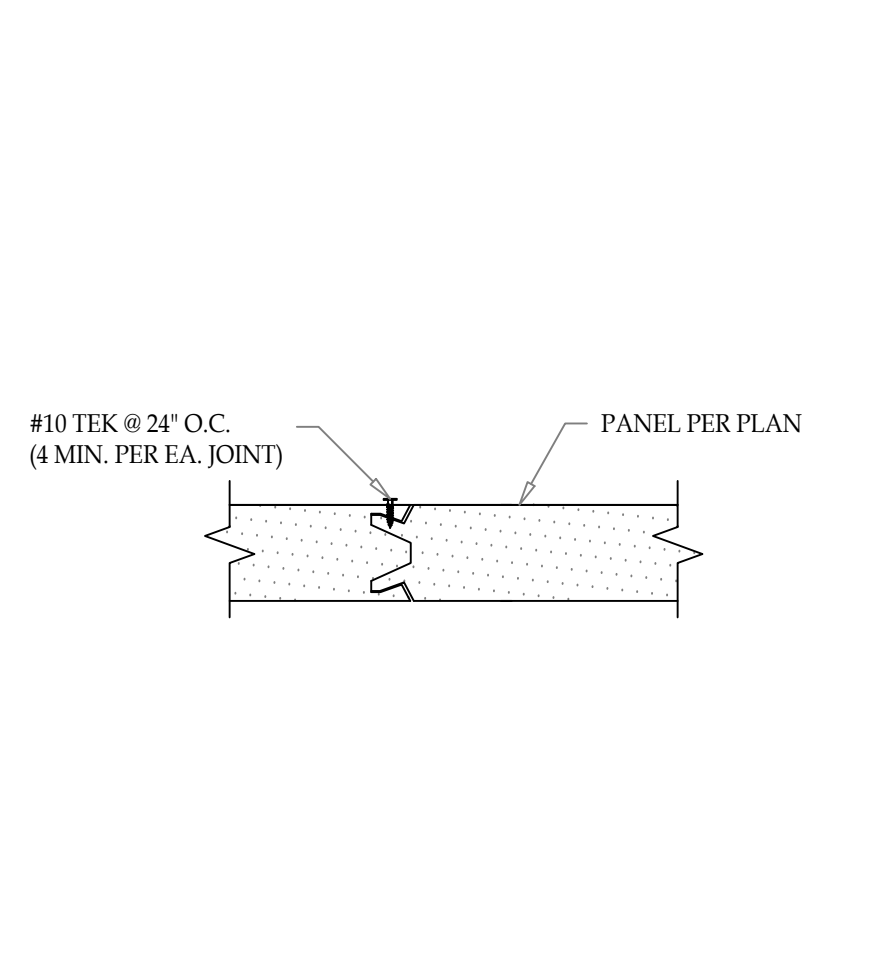
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N.T.S.



SCALE: **4**
N.T.S.



SCALE: **5**
N.T.S.



SCALE: **6**
N.T.S.



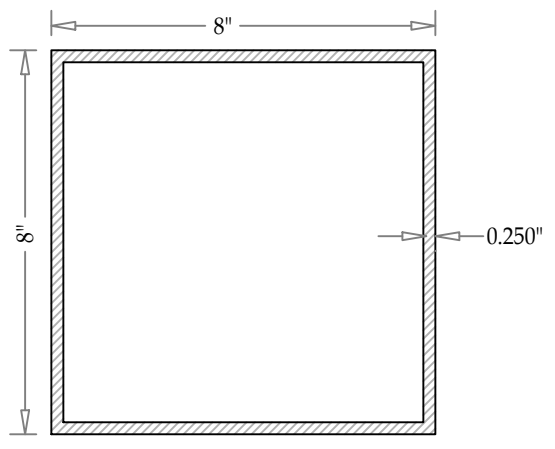
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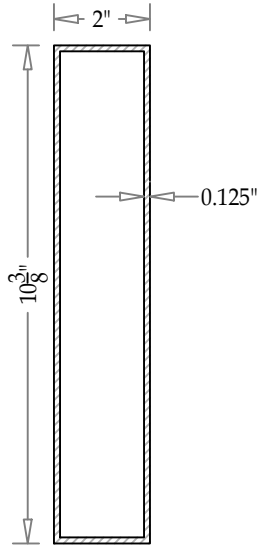
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N.T.S.



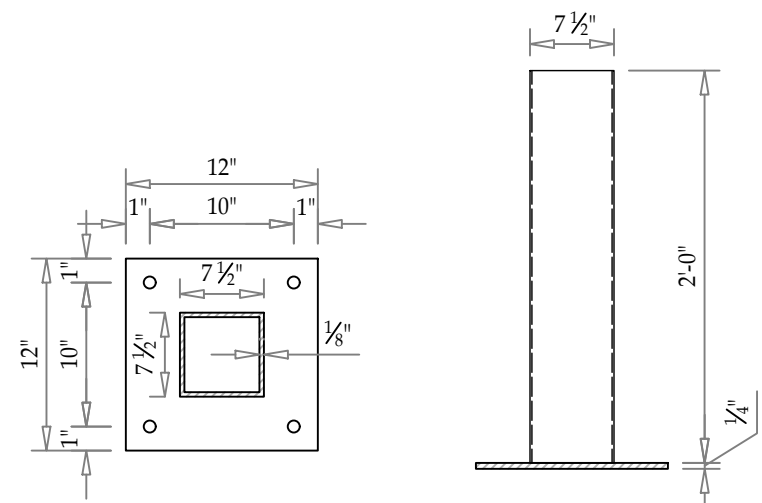
SCALE: **9**
N.T.S.



8x8x0.250 POST
(6061-T6)



2x10x0.125 BEAM
(6061-T6)



STEEL STUB POST W/ BASE PLATE
(8x8 POST)

SCALE: **10**
N.T.S.

Hillside Development Permit
Project # 24-0002667
Planning Division

EDUARDO RENDON
Planning Technician

COMMUNITY DEVELOPMENT

Approval Date: March 6, 2025

COMPONENTS

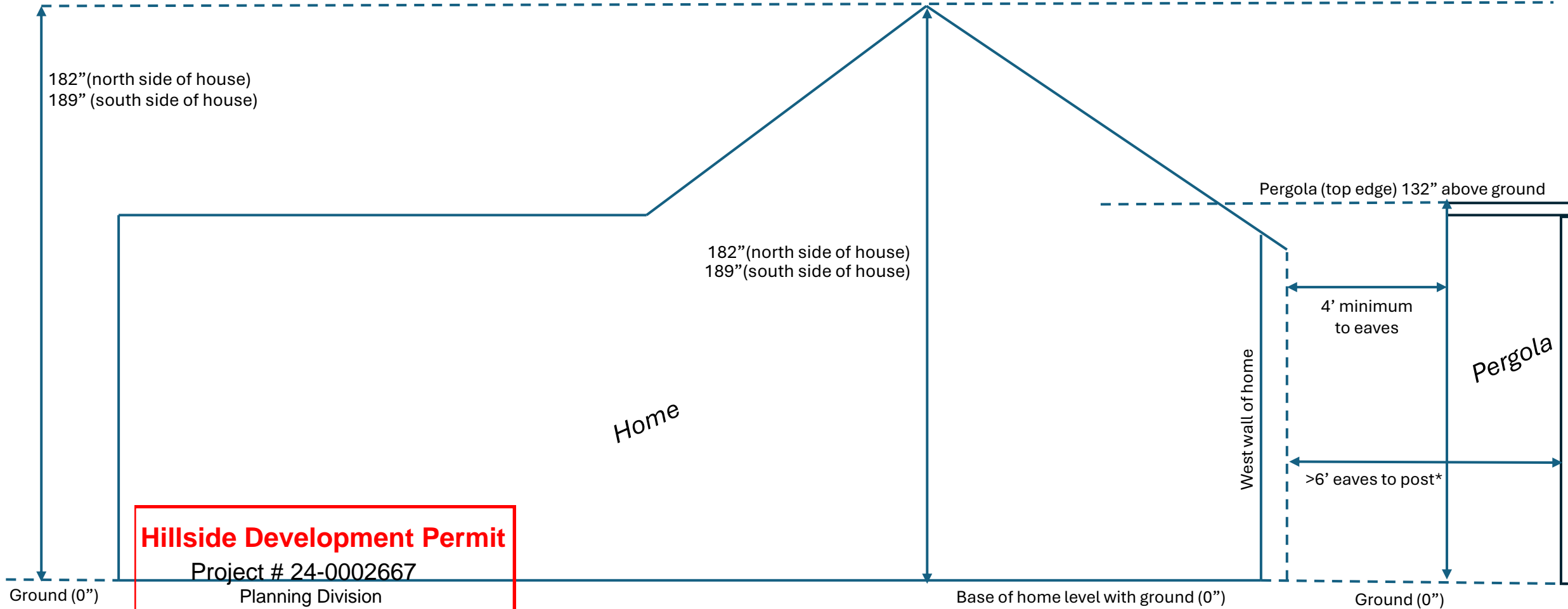
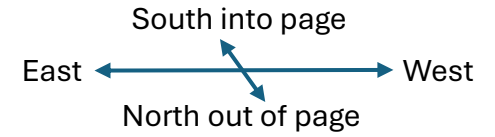
NOT USED

PANEL TO PANEL

ALT. POLE FTG. DETAIL

2925 N Lamer Street, Burbank, CA 91504

Side profile elevation drawing, in relation to ground
Drawing is NOT to scale, measurements are accurate



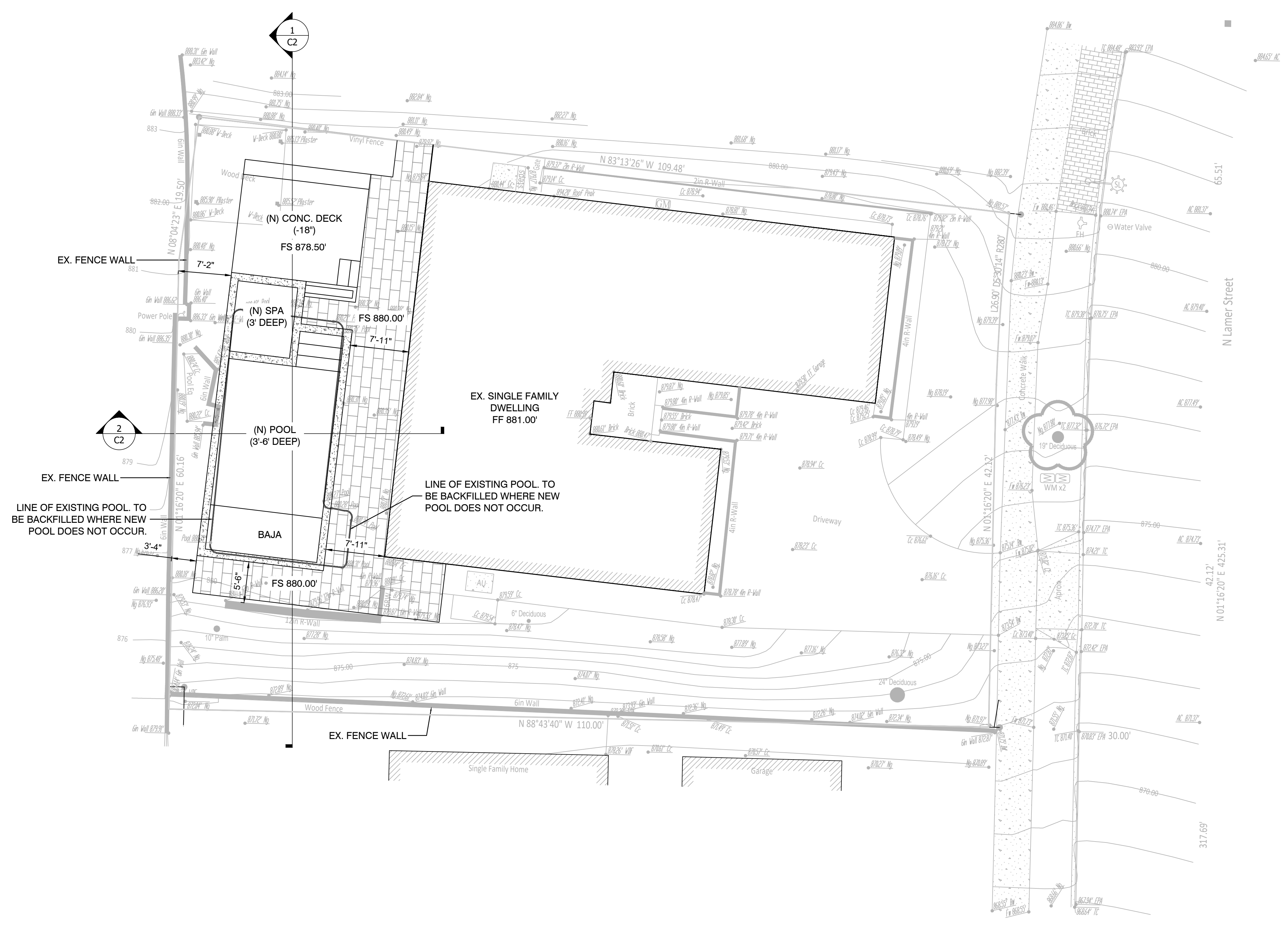
Hillside Development Permit
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Planning Technician
Eduardo Rendon

CITY OF BURBANK
COMMUNITY DEVELOPMENT

Approval Date: March 6, 2025

*Note: Pergola is cantilevered, vertical post is >20' away from building



GRADING PLAN
Scale: 1/8" = 1'

LEGEND:

- (0.1) EX ELEVATION
- 100.0 EX ELEVATION (FROM TOPO)
- 000.00 PROPOSED ELEVATION
- 0000 PROPOSED CONTOUR
- NEW RETAINING WALL
- 4" PERFORATED DRAIN PIPE BEHIND RET WALL, PVC SCH 40, ENCASED INSIDE 12"X12" GRAVEL

ABBREVIATIONS:

A.B.	AGGREGATE BASE
BC	BEGINNING OF CURVE
BOW	BOTTOM OF WALL
DI	DRAINAGE INLET
DS	DOWNSPOUT
FF	FINISHED FLOOR
FG	FINISHED GRADE
FL	FLOW LINE
FS	FINISHED SURFACE
H	WALL FACE HEIGHT
INV	PIPE INVERT
ME	MATCH EXISTING
N.A.P.	NOT A PART OF THIS PERMIT
PB	PLANTER BOX
PC	PILE CAP
PCC	PORTLAND CEMENT CONCRETE
PL	PROPERTY LINE
R&R	REMOVE AND RECOMPACT
TOCP	TOP OF COPING
TOG	TOP OF GRATE
TOP	TOP OF PLANTER BOX
TOW	TOP OF WALL

Hillside Development Permit
Project # 24-0002667
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Planning Technician

COMMUNITY DEVELOPMENT

Approval Date: March 6, 2025

No.	DESCRIPTION	DATE
1	INITIAL DESIGN	02/04/2024

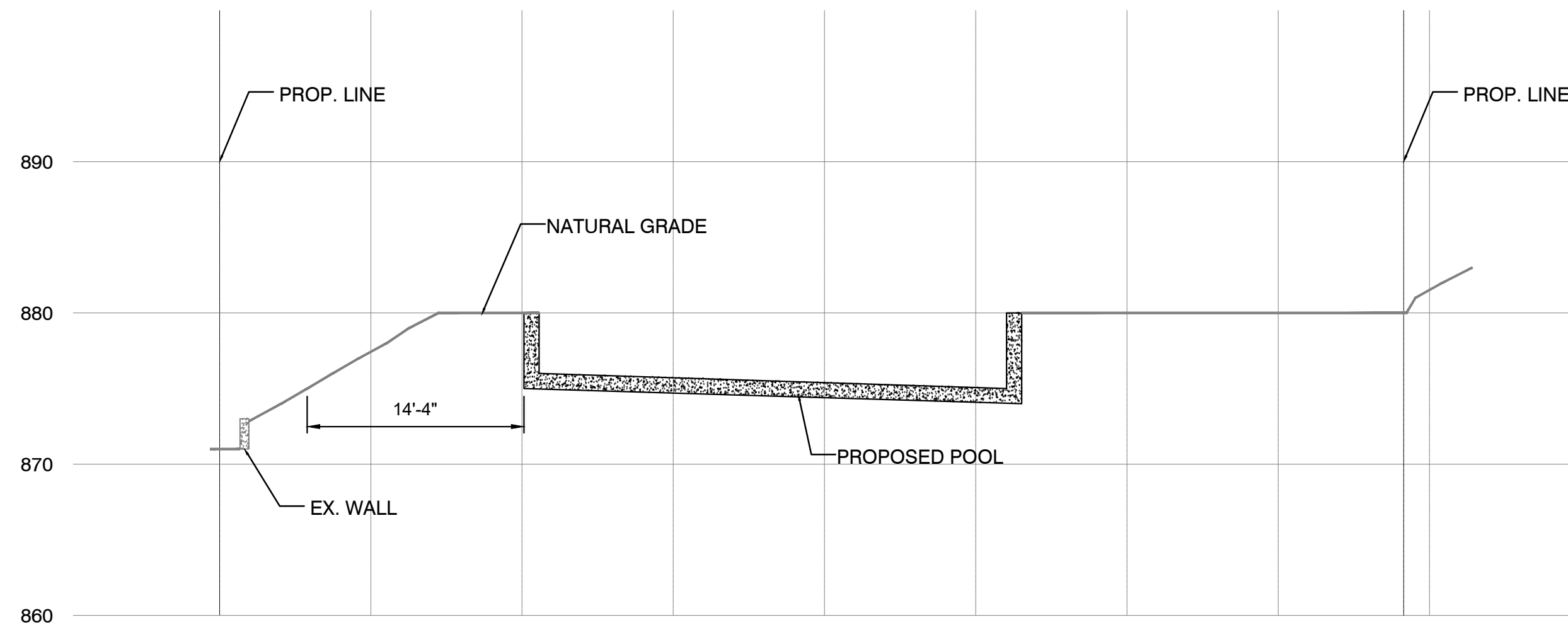
PROJECT No.24-20
DESIGNED BY: SG
CHECKED BY: SG

JOB ADDRESS:
2925 N LAMER ST.
BURBANK, CA 91504

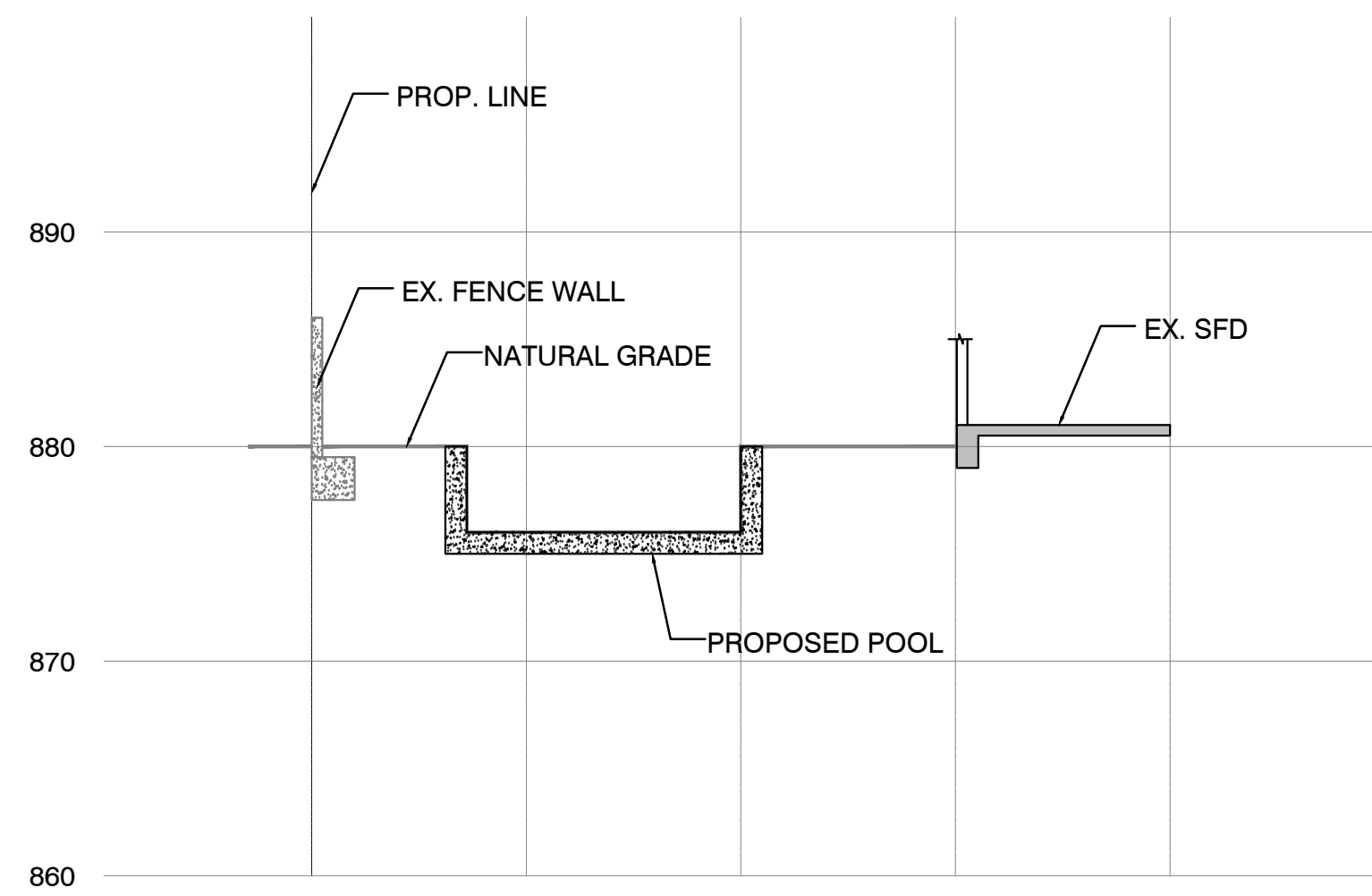
GRADING PLAN



C-1
SHEET NUMBER



2 SECTION 2



2 SECTION 2

No.	DESCRIPTION	DATE
1	INITIAL DESIGN	02/04/2024

PROJECT No.24-20
 DESIGNED BY: SG
 CHECKED BY: SG

JOB ADDRESS:
 2925 N LAMER ST.
 BURBANK, CA 91504

GRADING SECTIONS



C-2
 SHEET NUMBER

Hillside Development Permit
 Project # 24-0002667
 Planning Division
 EDUARDO RENDON
 Planning Technician
 Approval Date: March 6, 2025

No.	DESCRIPTION	DATE
1	INITIAL DESIGN	02/04/2024

PROJECT No.24-20

DESIGNED BY: SG

CHECKED BY: SG

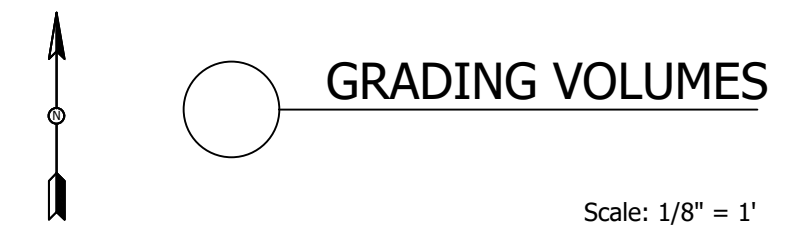
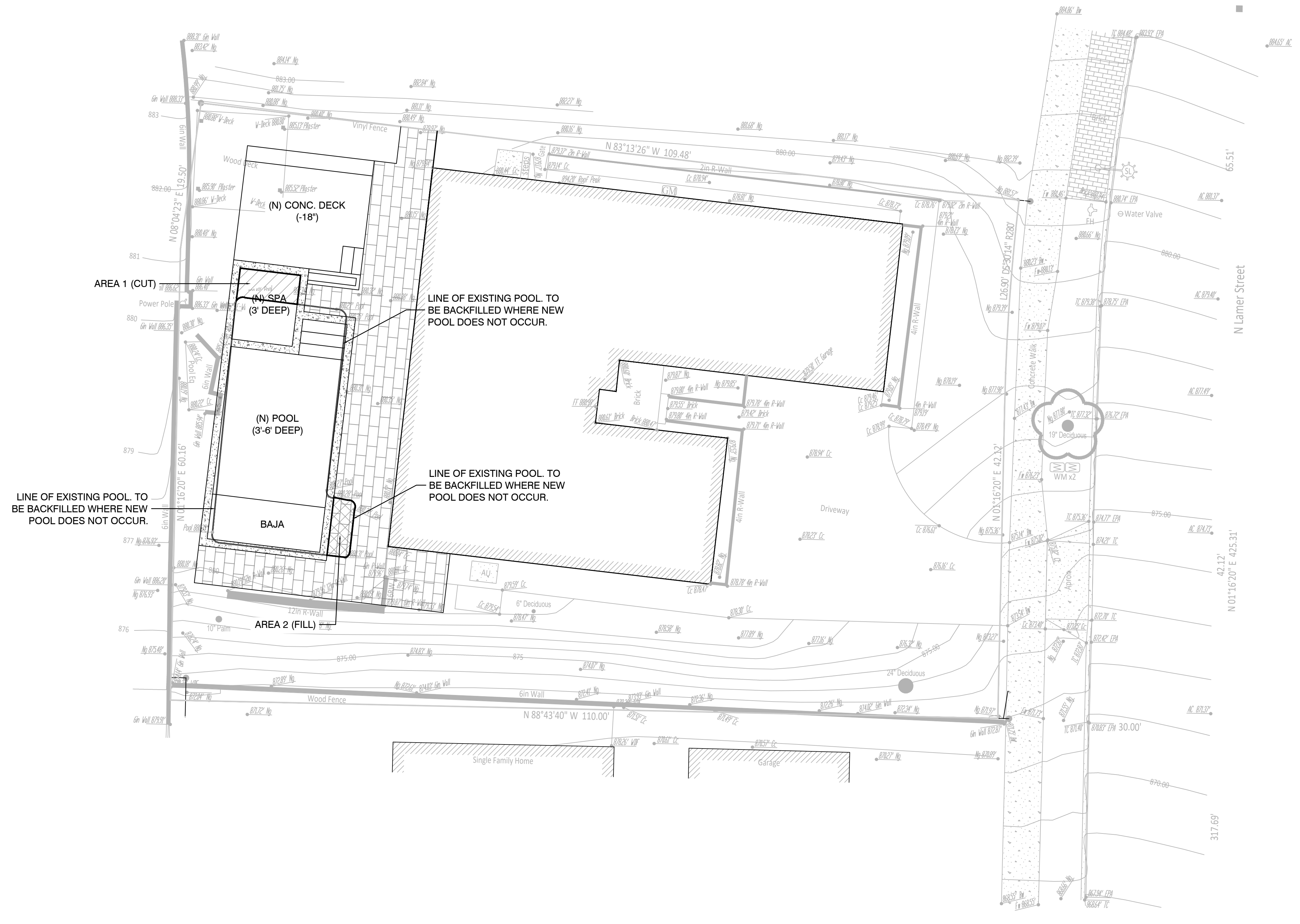
**JOB ADDRESS:
2925 N LAMER ST.
BURBANK, CA 91504**

GRADING VOLUMES



C-3

SHEET NUMBER



LEGEND:

	CUT AREA
	FILL AREA

GRADING VOLUME CALCULATIONS:

AREA 1: (32 SF)(-3 FT)/27=	-4 CY
AREA 2: (23 SF)(+5 FT)/27=	+4 CY
TOTAL CUT=	4 CY
TOTAL FILL=	4 CY
NET TOTAL=	0 CY

NOTE:
GRADING VOLUMES ARE THE MINOR CUT OR FILL AREAS IN BETWEEN THE EXISTING POOL AND THE PROPOSED POOL LOCATIONS.

ABBREVIATIONS:

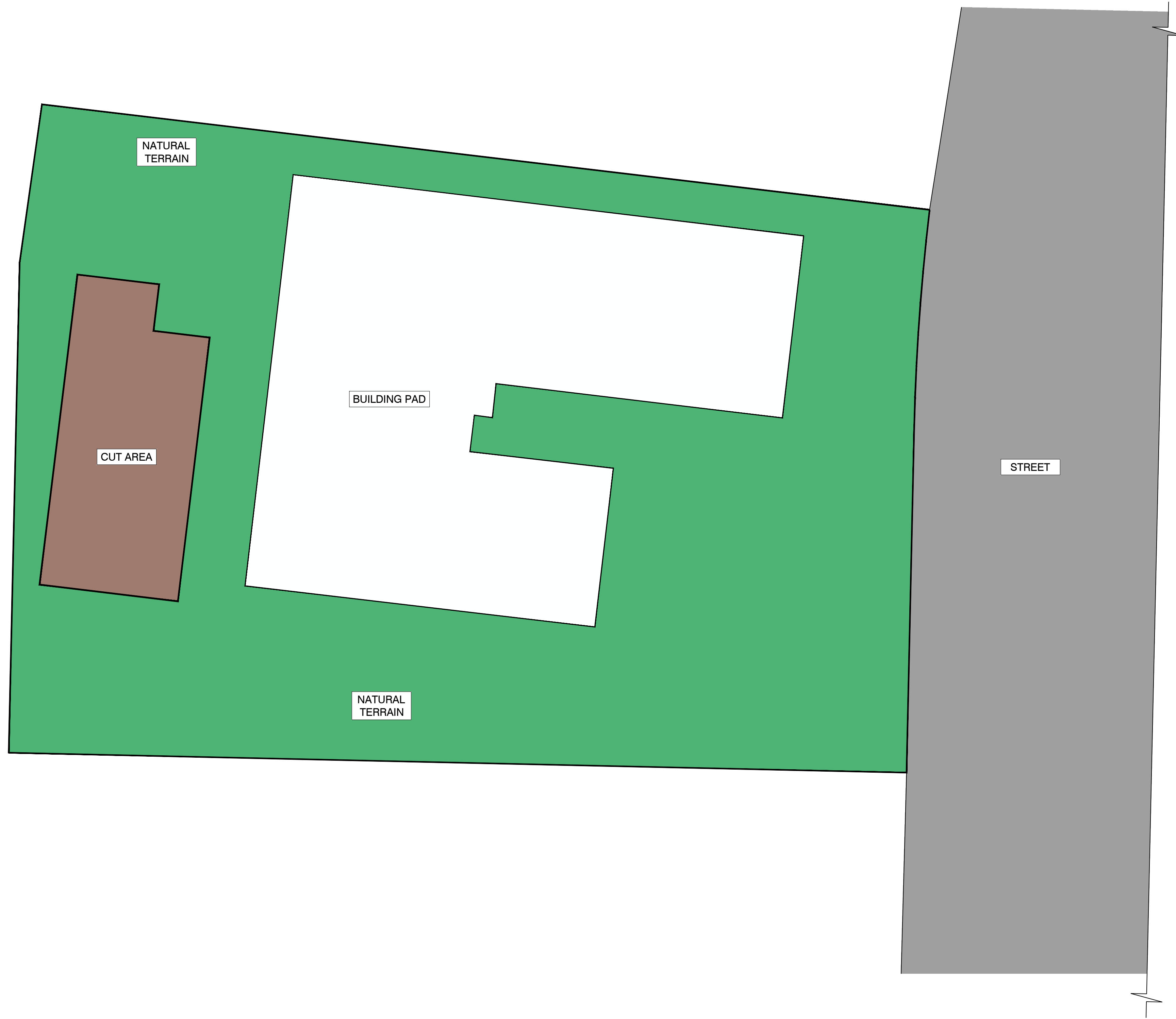
A.B.	AGGREGATE BASE
BC	BEGINNING OF CURVE
BOW	BOTTOM OF WALL
DI	DRAINAGE INLET
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N.A.P.	NOT A PART OF THIS PERMIT
PB	PLANTER BOX
PC	PILE CAP
PCC	PORTLAND CEMENT CONCRETE
PL	PROPERTY LINE
R&R	REMOVE AND RECOMPACT
TOCP	TOP OF COPING
TOG	TOP OF GRATE
TOP	TOP OF PLANTER BOX
TOW	TOP OF WALL

Hillside Development Permit
Project # 24-0002667
Planning Division

EDUARDO RENDON
Planning Technician

COMMUNITY DEVELOPMENT

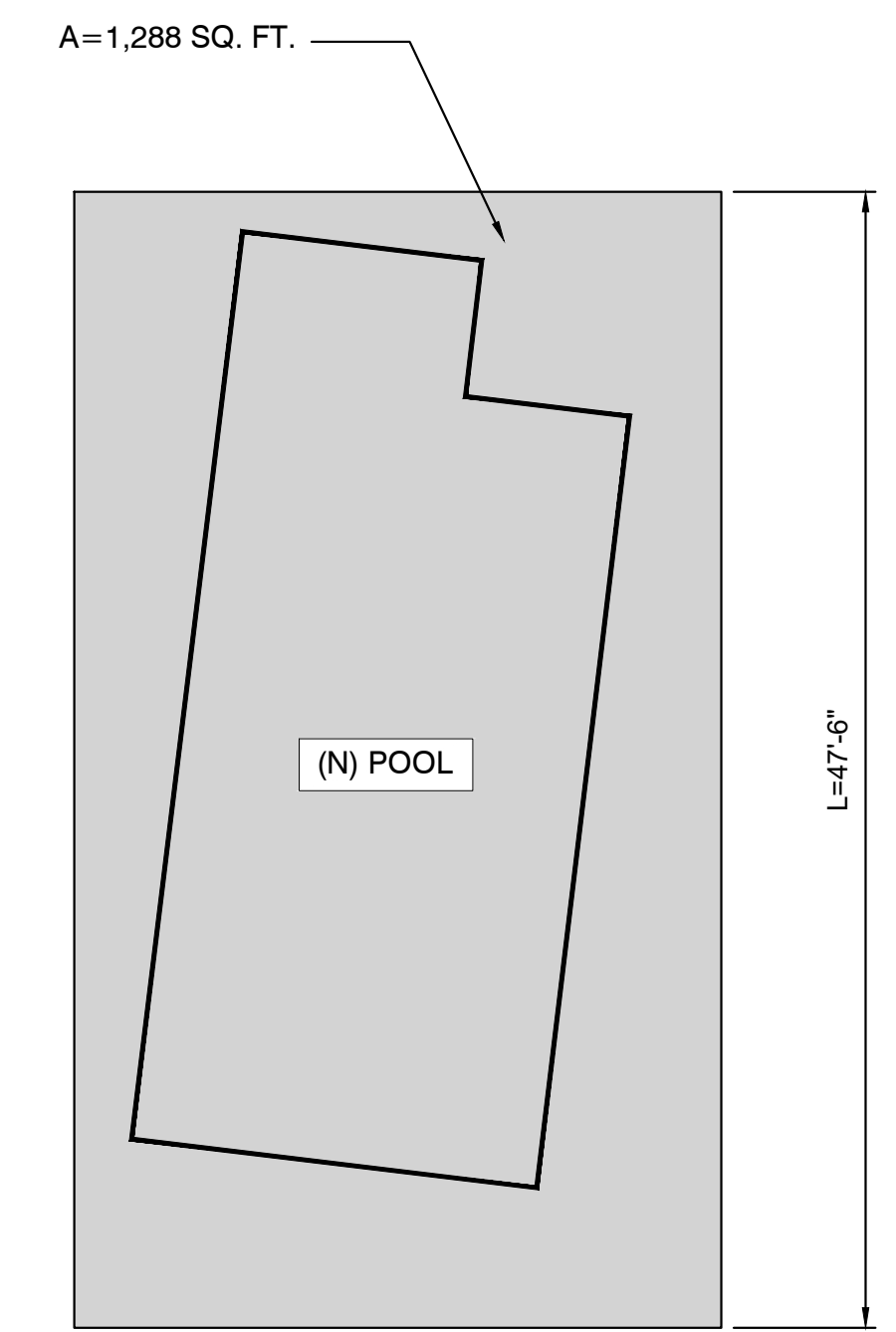
Approval Date: March 6, 2025



SITE PLAN
Scale: 1/8" = 1'

LEGEND:

- CUT AREA
- FILL AREA
- NATURAL TERRAIN
- STREETS
- BUILDING PAD



AREA OF SCOPE
Scale: 1/8" = 1'

SLOPE CALCULATIONS			
SLOPE CALCULATION: $S = (i \times L \times 100) / A$			
S	= AVERAGE GROUND SLOPE IN PERCENT		
I	= CONTOUR INTERVAL IN FEET	= 0.5 FT.	
(THE AREA OF THE PROPOSED POOL IS FLAT AND DOES NOT RANGE ACROSS MULTIPLE CONTOURS. THERE IS A MAX. 6" DIFFERENTIAL ACROSS THE AREA OF PROPOSED WORK.)			
L	= COMBINED LENGTH IN FEET	= 47.5 FT.	
A	= GROSS AREA	= 1,288 SF	
S	= $((0.5 \text{ FT}) \times (47.5 \text{ FT}) \times 100) / 1,288 \text{ SF}$	= 1.85%	

Hillside Development Permit
Project # 24-0002667
Planning Division

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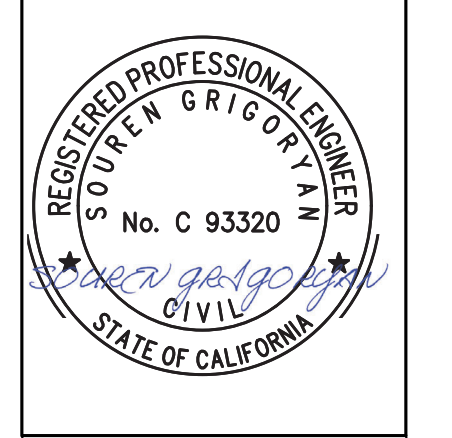
Approval Date: March 6, 2025

DESCRIPTION	DATE
INITIAL DESIGN	02/04/2024

PROJECT No.24-20
DESIGNED BY: SG
CHECKED BY: SG

JOB ADDRESS:
2925 N LAMER ST.
BURBANK, CA 91504

CUT FILL EXHIBIT



C-4
SHEET NUMBER

CALCULATIONS

METHODOLOGY:

γ = EQUIVALENT FLUID PRESSURE

$$OTM = 1/6 \gamma H^3$$

WHERE $\gamma = 60$ pcf

NET MOM = OTM - RESIST. MOMENT

$$f_s = \frac{M(12 \text{ in/ft})}{A_s j d} = \frac{M_t (12)}{A_s (0.887) d}$$

$$f_c = \frac{M(2) 12 \text{ in/ft}}{j k b d^2} = \frac{M_t (2)(12)}{(0.887)(0.339)(12) d^2} < 1125 \text{ psi}$$

$$v_c = \frac{(1/2) \gamma H^2}{(12 \text{ in/ft}) j d} = \frac{\gamma H^2}{(2)(12)(0.887) d} < 55 \text{ psi}$$

$f'_c = 2,500$ p.s.i.

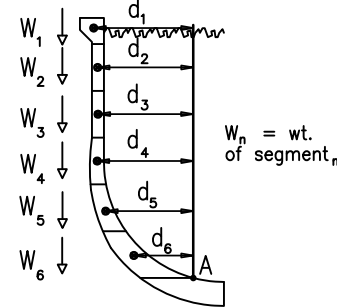
$F_s = 20,000$ p.s.i.

$f_c = 0.45 f'_c = 1125$ p.s.i.

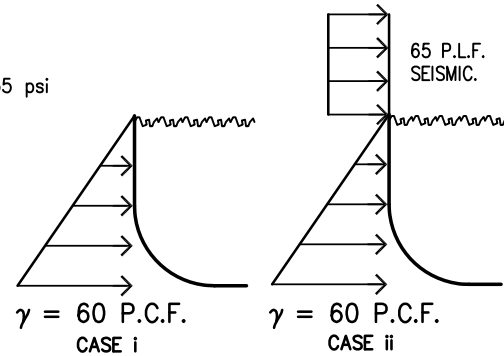
$v_c = 1.1 \sqrt{f'_c} = 55$ p.s.i.

RESISTING MOMENT:

RESISTING MOMENT ABOUT POINT A
 $RM = W_1 d_1 + W_2 d_2 + \dots + W_n d_n$



LOADING DIAGRAM:



CALCULATION RESULTS: 6'-0" BLOCK WALL ON BOND BEAM

EQUIVALENT FLUID PRESSURE = 60 P.C.F.
 RESULTS FOR NO RAISED BOND BEAM WITH SEISMIC

DEPTH 'D'	SOIL OTM ft-#	LOAD OTM ft-#	SOIL RM ft-#	NET Mom	t	VERTICAL STEEL	fs p.s.i.	fc p.s.i.	vc p.s.i.
2'-0"	80	1950	109	1921	9"	#3 @ 6"	19405	549	7.3
3'-0"	270	2340	161	2449	11"	"	18223	437	7.0
3'-6"	429	2535	192	2771	11"	#3 @ 3"	10571	375	8.1
4'-6"	911	2925	309	3527	11"	"	13453	478	10.6
5'-6"	1664	3315	588	4391	11"	"	16747	595	13.8
6'-6"	2746	3705	1142	5310	12"	"	17868	592	15.7
7'-6"	4219	4095	2249	6065	13"	"	18253	569	17.6
8'-6"	6141	4485	6809	3817	13"	"	11489	358	21.7

RESULTS FOR 2'-6" MAX. RAISED BOND BEAM WITH SEISMIC

HEIGHT 'H'	SOIL OTM ft-#	LOAD OTM ft-#	SOIL RM ft-#	NET Mom	t	VERTICAL STEEL	fs p.s.i.	fc p.s.i.	vc p.s.i.
2'-0"	80	1950	109	1921	9"	#3 @ 6"	19405	549	7.3
3'-0"	270	2340	161	2449	11"	"	18223	437	7.0
3'-6"	429	2535	192	2771	11"	#3 @ 3"	10571	375	8.1
4'-6"	911	2925	255	3581	11"	"	13658	485	10.6
5'-6"	1664	3315	321	4657	12"	"	15673	519	12.3
6'-6"	2746	3705	420	6031	13"	"	18151	566	14.1
7'-0"	3430	3900	534	6796	13 1/2"	add 3 #4	12578	498	15.1
8'-0"	5120	4290	972	8438	13 1/2"	"	15618	618	18.8
9'-0"	7290	4680	1813	10157	13 1/2"	"	18799	744	22.9
10'-0"	10000	5070	3419	11651	14 1/2"	"	19569	734	25.1
11'-0"	13310	5460	9708	9062	15"	"	14546	532	28.5

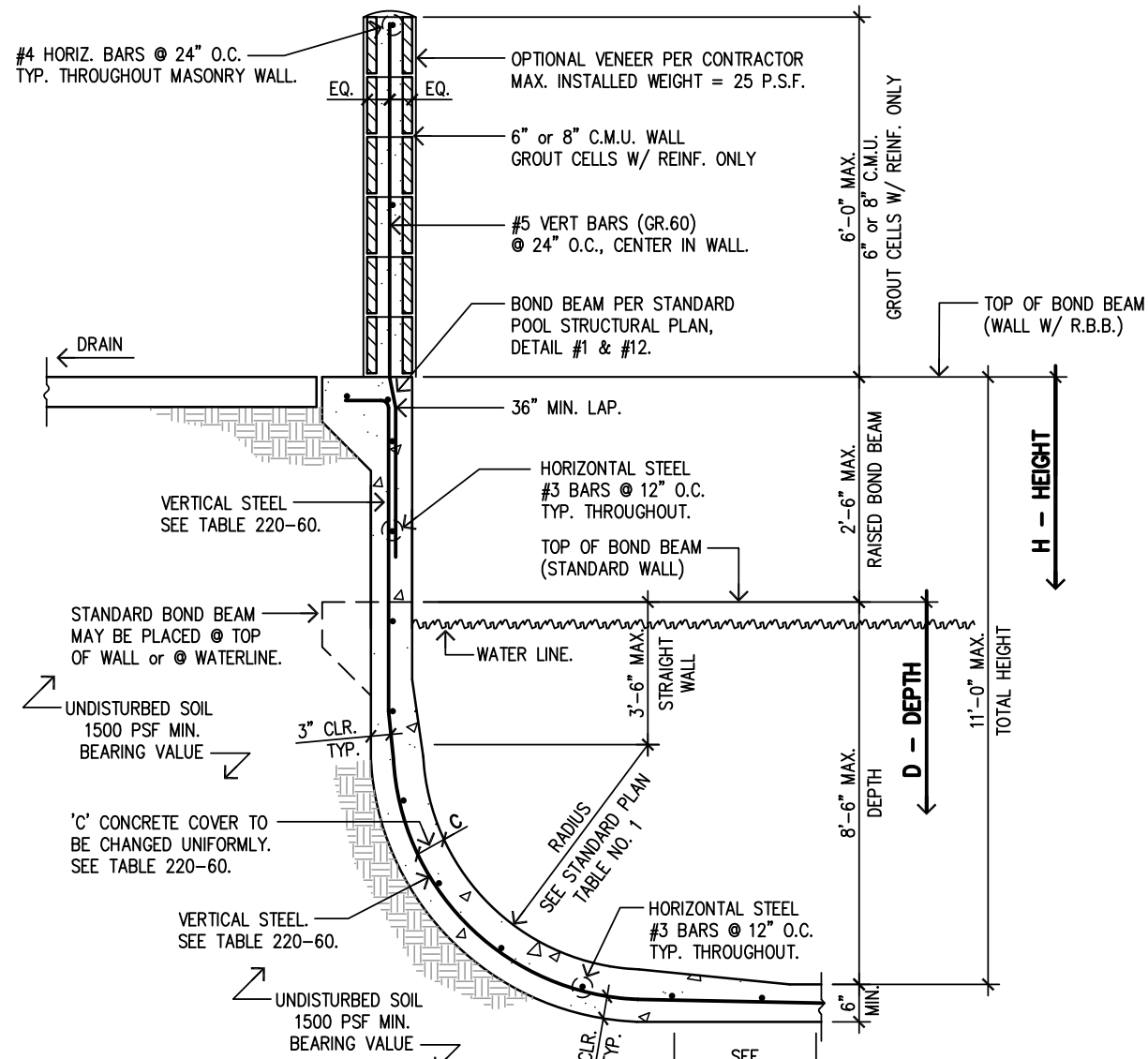
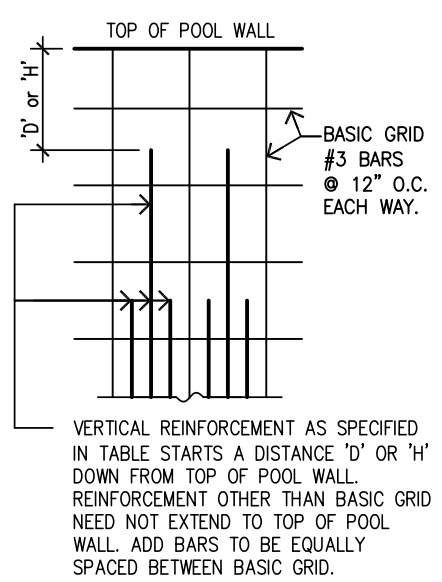


TABLE 220-60
 'D' OR 'H' IS DISTANCE FROM TOP OF POOL WALL DOWNWARD. BEGIN SPECIFIED STEEL & GUNITE THICKNESS AT INDICATED 'D' OR 'H' DEPTH. (SEE STANDARD STRUCTURAL PLAN, DETAIL #2)

POOL DEPTH	NO R.B.B.		REQ'D TRANS.	TOTAL HEIGHT	2'-6" MAX. R.B.B.		REQ'D TRANS.
	D	C			H	C	
0 to 2'0"	6"	#3 @ 6"	2'-4"	0 to 2'0"	6"	#3 @ 6"	2'-4"
3'-0"	8"	"	2'-4"	3'-0"	8"	"	2'-4"
3'-6"	8"	#3 @ 3"	2'-5"	3'-6"	8"	#3 @ 3"	2'-5"
4'-6"	8"	"	2'-9"	4'-6"	8"	"	2'-9"
5'-6"	8"	"	2'-5"	5'-0"	8"	"	2'-11"
6'-0"	8"	"	2'-4"	5'-6"	9"	"	3'-2"
6'-6"	9"	"	2'-2"	6'-0"	9"	"	3'-4"
7'-0"	9"	"	2'-0"	6'-6"	10"	"	3'-6"
7'-6"	10"	"	2'-0"	7'-0"	10"	add 3 #4	3'-9"
8'-6"	10"	"	2'-0"	8'-0"	10"	"	3'-6"
				9'-0"	10"	"	3'-5"
				9'-6"	11"	"	3'-5"
				10'-0"	11"	"	3'-5"
				10'-6"	11 1/2"	"	3'-4"
				11'-0"	11 1/2"	"	3'-5"

Hillside Development Permit
 Project # 24-0002667
 Planning Division
 EDUARDO RENDON
 Planning Technician
 City of Burbank
 Community Development
 Approval Date: March 6, 2025

TYPICAL ADD BAR REINFORCING DIAGRAM

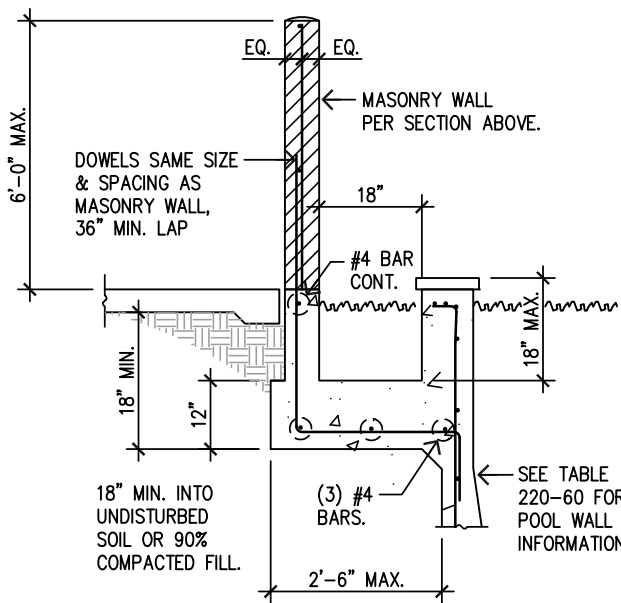


VERTICAL REINFORCEMENT AS SPECIFIED IN TABLE STARTS A DISTANCE 'D' OR 'H' DOWN FROM TOP OF POOL WALL. REINFORCEMENT OTHER THAN BASIC GRID NEED NOT EXTEND TO TOP OF POOL WALL. ADD BARS TO BE EQUALLY SPACED BETWEEN BASIC GRID.

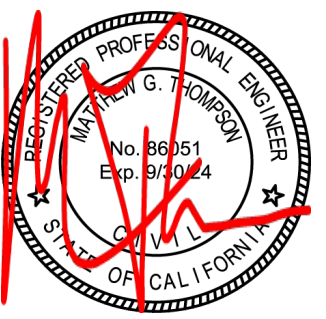
MASONRY NOTES:

- CONCRETE BLOCK SHALL BE NORMAL WEIGHT UNITS (135 PCF), CONFORMING TO CBC/IBC SEC. 2103, AND ASTM C 90. ALL CONCRETE BLOCK SHALL HAVE A DESIGN STRENGTH OF $f'_m = 2,000$ psi.
- GROUT SHALL CONFORM TO CBC/IBC SEC. 2103 & ASTM C 476 WITH $f'_c = 2,000$ PSI.
- MORTAR SHALL BE TYPE M WITH $f'_c = 2,500$ psi AND SHALL CONFORM TO CBC/IBC SEC. 2103 & ASTM C 270.
- MORTAR BED JOINTS USED IN CONSTRUCTION SHALL NOT EXCEED 5/8" THICKNESS.

FOUNTAIN DETAIL



FOR USE ONLY AT
 2925 N Lamer St
 Burbank CA 91504



Date: 4/19/2023

23-02702

STANDARD WALL
 WITH 6'-0" BLOCK WALL ON BOND BEAM
 EXPANSIVE SOIL
 EQUIVALENT FLUID PRESSURE = 60 P.C.F.

DETAIL #220-60

Ron Lacher, R.C.E.
 1201 N. Tustin Ave.
 Anaheim, CA 92807
 Phone: (714) 630-6100
 Email: info@pooleng.com

pool engineering inc.

PLAN VALID ONLY WITH ENGINEER'S SIGNATURE IN RED INK ON PLAN.
 THIS DETAIL TO BE USED IN CONJUNCTION WITH STANDARD POOL STRUCTURAL PLAN



CALCULATIONS

METHODOLOGY:

(SURCHARGE LOADING BASED ON BOUSSINESQ METHOD, MODIFIED BY TERZAGI FOR TYPICAL BUILDING/FOOTING 1,000 P.S.F. BEARING PRESSURE).

γ = EQUIVALENT FLUID PRESSURE

$$OTM = 1/6 \gamma H^3 + \sum [(P_i)(r_i)]$$

WHERE γ = 60 p.c.f. AND

$$P_i = 1/2(\sigma_i + \sigma_{i-1})(6 \text{ in})$$

r_i = vertical dist. from P_i to z depth.

NET MOM = OTM - RESISTING MOMENT

$$f_s = \frac{M(12 \text{ in/ft})}{A_s j d} = \frac{Mt (12)}{A_s (0.887) d}$$

$$f_c = \frac{M(2) 12 \text{ in/ft}}{j k b d^2} = \frac{Mt (2)(12)}{(0.887)(0.339)(12) d^2} < 1125 \text{ psi}$$

$$v_c = \frac{(1/2) \gamma H^2}{(12 \text{ in/ft}) j d} = \frac{\gamma H^2}{(2)(12)(0.887) d} < 55 \text{ psi}$$

$$f'_c = 2,500 \text{ p.s.i.}$$

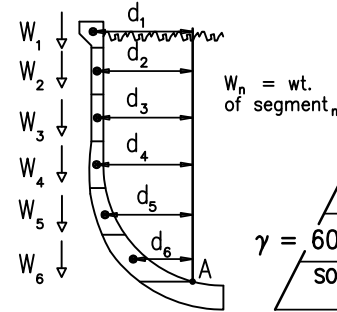
$$F_s = 20,000 \text{ p.s.i.}$$

$$f_c = 0.45 f'_c = 1125 \text{ p.s.i.}$$

$$v_c = 1.1 \sqrt{f'_c} = 55 \text{ p.s.i.}$$

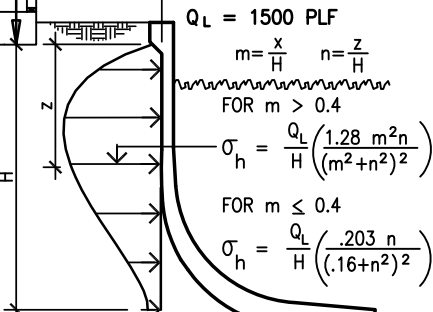
RESISTING MOMENT:

RESISTING MOMENT ABOUT POINT A
 $RM = W_1 d_1 + W_2 d_2 + \dots + W_n d_n$



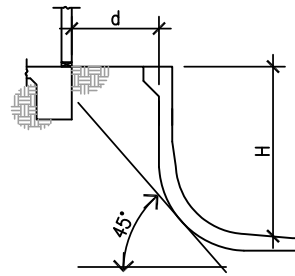
LOADING DIAGRAM:

Q_L = RESULTANT FROM TYPICAL FOOTING.
 $Q_L = 1500 \text{ PLF}$



σ_h = LATERAL LOAD ON POOL WALL FROM FOOTING SURCHARGE.

THIS DETAIL IS NOT NEEDED WHEN 'd' IS GREATER THAN 'H'.



NOTE: THIS DETAIL APPLIES TO STRUCTURES WITH ROOF RAFTER & FLOOR JOIST SPANS OF UP TO 32'-0" TRIBUTARY TO FOOTING.

FOOTING LOAD FROM BUILDING OR PATIO STRUCTURE = 1,500 P.L.F.

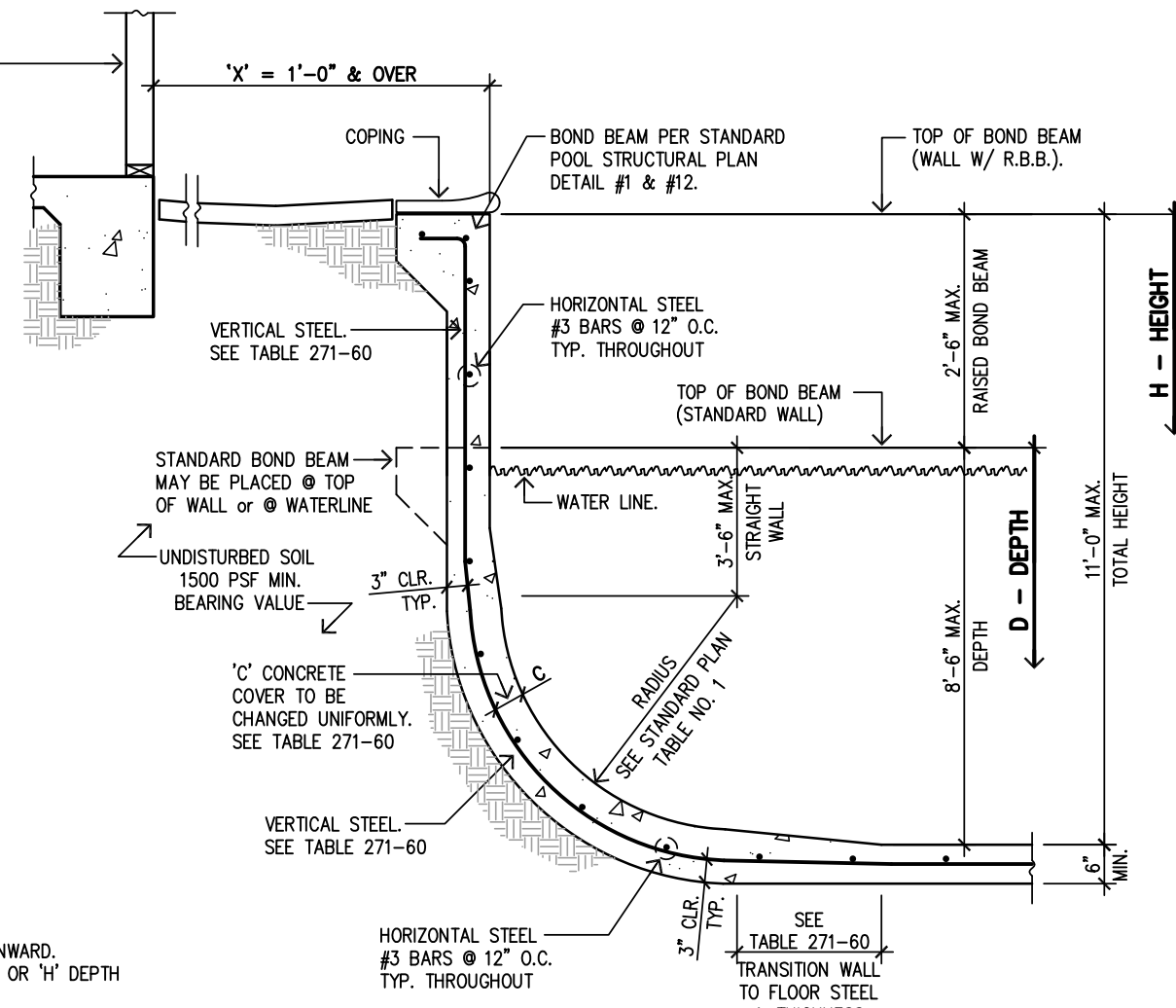
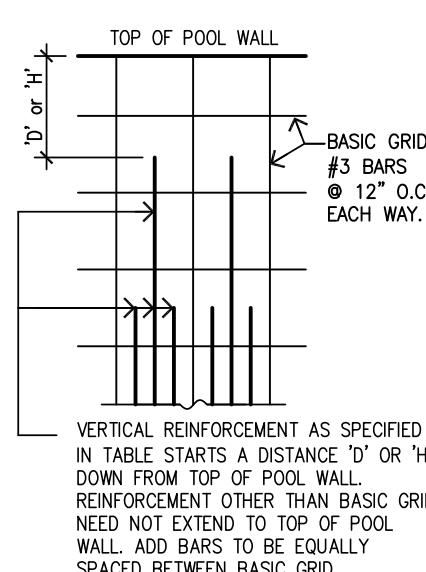


TABLE 271-60

'D' OR 'H' IS DISTANCE FROM TOP OF POOL WALL DOWNWARD. BEGIN SPECIFIED STEEL & GUNITE THICKNESS AT INDICATED 'D' OR 'H' DEPTH (SEE STANDARD STRUCTURAL PLAN, DETAIL #2)

POOL DEPTH	NO R.B.B.		REQ'D TRANS.	TOTAL HEIGHT	2'-6" MAX. R.B.B.		REQ'D TRANS.
	D	C			VERTICAL STEEL	H	
0 to 2'0"	3"	#3 @ 12"	2'-0"	0 to 2'0"	3"	#3 @ 12"	2'-0"
2'-6"	3 1/2"	"	2'-0"	2'-6"	3 1/2"	"	2'-0"
3'-0"	3 1/2"	#3 @ 6"	2'-0"	3'-0"	4"	#3 @ 6"	2'-0"
3'-6"	4 1/2"	"	2'-0"	3'-6"	5"	"	2'-0"
4'-0"	5 1/2"	"	2'-0"	4'-0"	6"	"	2'-0"
4'-6"	6 1/2"	"	2'-3"	4'-6"	7"	"	2'-2"
5'-0"	6 1/2"	#3 @ 3"	2'-3"	5'-0"	7"	#3 @ 3"	2'-6"
5'-6"	6 1/2"	"	2'-4"	5'-6"	7"	"	2'-11"
6'-0"	6 1/2"	"	2'-4"	6'-0"	7"	"	3'-4"
6'-6"	6 1/2"	"	2'-5"	6'-6"	8"	"	3'-9"
7'-0"	6"	add 3 #4	2'-6"	7'-0"	7 1/2"	add 3 #4	4'-2"
7'-6"	6"	"	2'-8"	7'-6"	7 1/2"	"	4'-2"
8'-0"	6"	"	2'-10"	8'-0"	7 1/2"	"	4'-2"
8'-6"	6"	"	2'-11"	8'-6"	8 1/2"	"	4'-2"
				9'-0"	9"	"	4'-2"
				9'-6"	10"	"	4'-2"
				10'-0"	11"	"	4'-2"
				10'-6"	11 1/2"	"	4'-2"
				11'-0"	11 1/2"	"	4'-2"

TYPICAL ADD BAR REINFORCING DIAGRAM



CALCULATION RESULTS:

BUILDING/FOOTING SURCHARGE EXPANSIVE SOIL

EQUIVALENT FLUID PRESSURE = 60 P.C.F.

RESULTS FOR 'X' = 1'-0" W/ 2'-6" MAX. RAISED BOND BEAM

HEIGHT 'H'	SOIL OTM ft-#	LOAD OTM ft-#	SOIL RM ft-#	NET Mom	t	VERTICAL STEEL	f _s p.s.i.	f _c p.s.i.	v _c p.s.i.
2'-0"	80	19	78	20	6"	#3 @ 12"	853	25	5.2
3'-0"	270	135	100	304	7"	#3 @ 6"	4763	172	10.0
4'-0"	640	395	134	901	9"	"	9103	258	11.7
5'-0"	1250	797	183	1864	10"	#3 @ 3"	8201	315	14.9
6'-0"	2160	1317	235	3242	10"	"	14261	548	20.2
7'-0"	3430	1926	367	4989	11"	add 3 #4	12372	578	22.8
8'-0"	5120	2603	704	7018	11"	"	17404	813	28.2
9'-0"	7290	3329	1371	9249	12 1/2"	"	19057	801	28.6
10'-0"	10000	4094	2687	11407	14 1/2"	"	19158	719	28.0
11'-0"	13310	4887	8115	10082	15"	"	16183	592	31.5

Hillside Development Permit

Project # 24-0002667
 Planning Division

EDUARDO RENDON
 Planning Technician

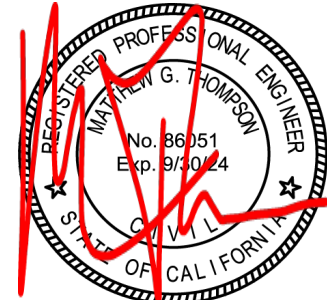


Approval Date: March 6, 2025

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pool engineering inc.

FOR USE ONLY AT
 2925 N Lamer St
 Burbank CA 91504



Date: 4/19/2023

23-02702

BUILDING/FOOTING SURCHARGE
 1'-0" MIN. FROM POOL
 EQUIVALENT FLUID PRESSURE = 60 P.C.F.
 (PLUS SURCHARGE)

DETAIL #271-60

PLAN VALID ONLY WITH ENGINEER'S SIGNATURE IN RED INK ON PLAN.
 THIS DETAIL TO BE USED IN CONJUNCTION WITH STANDARD POOL STRUCTURAL PLAN

CALCULATIONS

METHODOLOGY:

(SURCHARGE LOADING BASED ON BOUSSINESQ METHOD)

$$\gamma = \text{EQUIVALENT FLUID PRESSURE} \quad f_c = \frac{M(2) 12 \text{ in/ft}}{j k b d^2} = \frac{M t (2)(12)}{(0.887)(0.339)(12) d^2} < 1125 \text{ psi}$$

$$\text{OTM} = 1/6 \gamma H^3 + \sum [(P_i)(r_i)]$$

WHERE $\gamma = 60 \text{ p.c.f. AND}$

$$P_i = 1/2 (\sigma_i + \sigma_{i-1})(6 \text{ in}) \quad \nu_c = \frac{(1/2) \gamma H^2}{(12 \text{ in/ft}) j d} = \frac{\gamma H^2}{(2)(12)(0.887) d} < 55 \text{ psi}$$

$r_i = \text{VERTICAL DIST. FROM } P_i \text{ TO } z \text{ DEPTH.}$

NET MOM = OTM - RESISTING MOMENT

$$f_s = \frac{M(12 \text{ in/ft})}{A_s j d} = \frac{M t (12)}{A_s (0.887) d} \quad f_c = 2,500 \text{ p.s.i.}$$

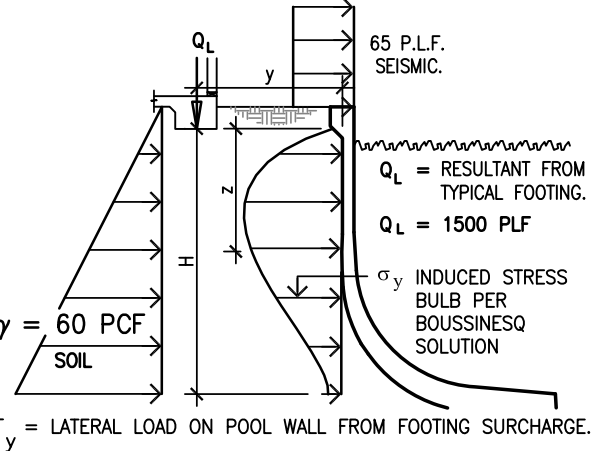
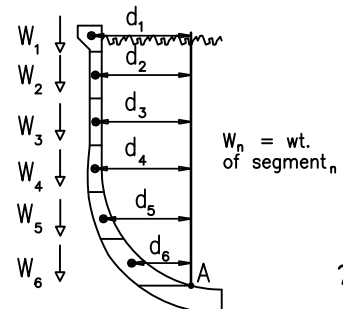
$$f_s = 20,000 \text{ p.s.i.}$$

$$f_c = 0.45 f'_c = 1125 \text{ p.s.i.}$$

$$V_c = 1.1 \sqrt{f'_c} = 55 \text{ p.s.i.}$$

RESISTING MOMENT:

RESISTING MOMENT ABOUT POINT A

$$RM = W_1 d_1 + W_2 d_2 + \dots + W_n d_n$$


LOADING DIAGRAM:

CALCULATION RESULTS:

RESULTS FOR 'X' = 1'-0" & GREATER W/ 2'-6" MAX. RAISED BOND BEAM

HEIGHT 'H'	SOIL OTM ft-#	LOAD OTM ft-#	SOIL RM ft-#	NET Mom	t	VERTICAL STEEL	f_s p.s.i.	f_c p.s.i.	nu_c p.s.i.
1'-0"	10	1458	64	1468	8"	#3 @ 6"	18030	568	7.3
2'-0"	80	1867	106	1995	10"	"	17101	443	6.9
2'-6"	156	2103	132	2495	10"	#3 @ 3"	10978	422	8.5
3'-6"	429	2679	184	3581	10"	"	15755	606	12.5
4'-6"	911	3403	238	4888	10 1/2"	add 3 #4	12999	632	16.1
5'-6"	1664	4257	295	6463	10 1/2"	"	17189	835	20.9
6'-6"	2746	5205	375	8342	11 1/2"	"	19375	872	22.9
7'-6"	4219	6156	642	9977	13 1/2"	"	18467	731	22.4
8'-6"	6141	7070	1233	11979	14 1/2"	add 3 #5	13978	661	24.5
9'-6"	8574	7897	2364	14107	14 1/2"	"	16461	778	28.8
10'-6"	11576	8500	4723	15353	14 1/2"	"	17915	847	33.5
11'-0"	13310	8205	9438	12078	14 1/2"	"	14093	666	35.9

Hillside Development Permit

Project # 24-0002667

Planning Division

EDUARDO RENDON
Planning Technician



Approval Date: March 6, 2025

NOTE: THIS DETAIL APPLIES TO STRUCTURES WITH ROOF RAFTER & FLOOR JOIST SPANS OF UP TO 32'-0" TRIBUTARY TO FOOTING.

FOOTING LOAD FROM BUILDING OR PATIO STRUCTURE = 1,500 P.S.F. (1,500 P.L.F. MAX.)

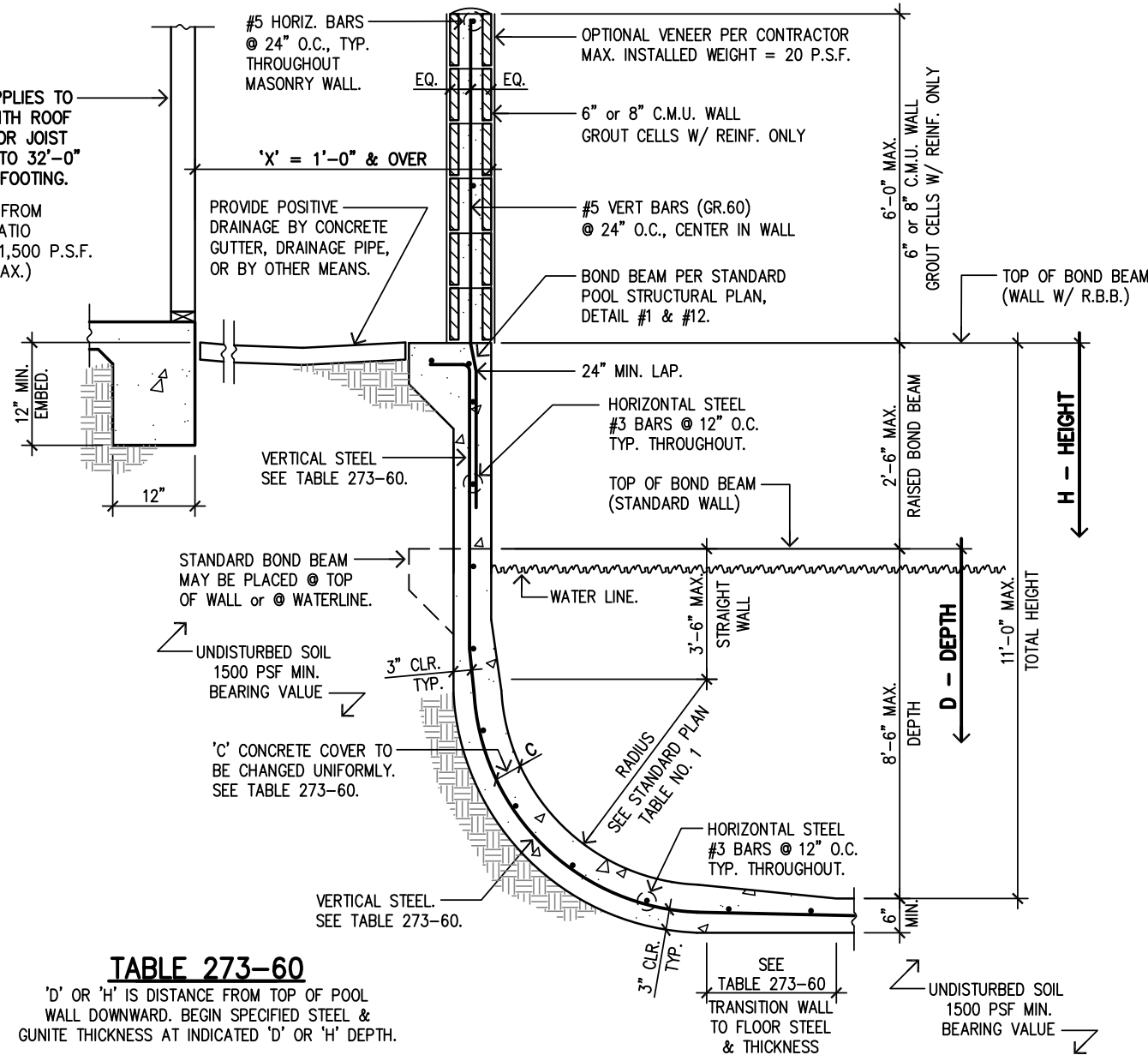


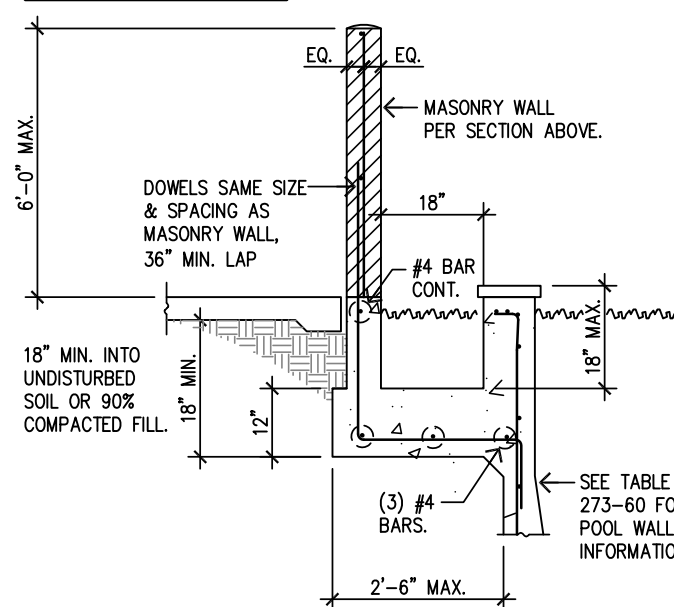
TABLE 273-60

'D' OR 'H' IS DISTANCE FROM TOP OF POOL WALL DOWNWARD. BEGIN SPECIFIED STEEL & GUNITE THICKNESS AT INDICATED 'D' OR 'H' DEPTH.

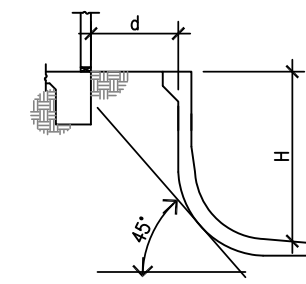
TOTAL HEIGHT	2'-6" MAX. R.B.B.	REQ'D TRANS.	
H	C	VERTICAL STEEL	
0 to 1'0"	5"	#3 @ 6"	2'-0"
2'-0"	7"	"	2'-0"
2'-6"	7"	#3 @ 3"	2'-0"
3'-6"	7"	"	2'-3"
4'-0"	7"	"	2'-6"
4'-6"	7"	add 3 #4	2'-11"
5'-6"	7"	"	3'-6"
6'-0"	7"	"	3'-11"
7'-0"	9"	"	4'-5"
8'-0"	11"	"	4'-2"
8'-6"	11"	add 3 #5	4'-0"
9'-6"	11"	"	3'-11"
10'-6"	11"	"	3'-11"
11'-0"	11"	"	3'-11"

POOL DEPTH	NO R.B.B.	REQ'D TRANS.	
D	C	VERTICAL STEEL	
0 to 1'0"	5"	#3 @ 6"	2'-0"
2'-0"	7"	"	2'-0"
2'-6"	7"	#3 @ 3"	2'-0"
3'-6"	7"	"	2'-3"
4'-0"	7"	"	2'-6"
4'-6"	7"	add 3 #4	2'-11"
5'-6"	7"	"	2'-9"
6'-0"	7"	"	2'-8"
7'-0"	9"	"	2'-5"
8'-0"	11"	"	2'-3"
8'-6"	11"	"	2'-3"

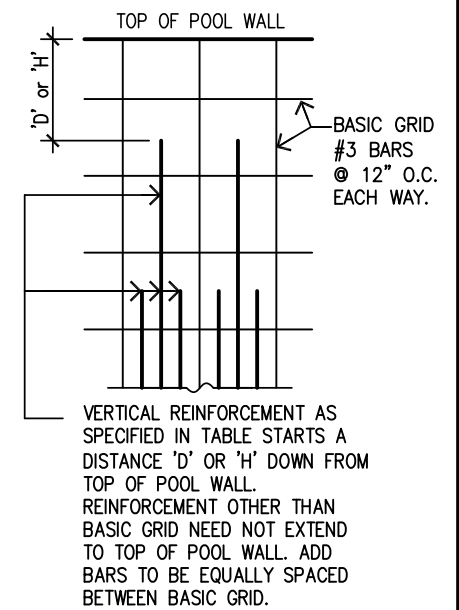
FOUNTAIN DETAIL



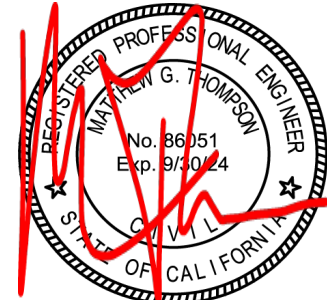
THIS DETAIL IS NOT NEEDED WHEN 'd' IS GREATER THAN 'h'.



TYPICAL ADD BAR REINFORCING DIAGRAM



FOR USE ONLY AT
2925 N Lamer St
Burbank CA 91504



Date: 4/19/2023

23-02702

STANDARD WALL
WITH 6'-0" BLOCK WALL ON BOND BEAM
& FOOTING SURCHARGE (1'-0" MIN. FROM POOL)
EQUIVALENT FLUID PRESSURE = 60 P.C.F.

DETAIL #273-60

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pool engineering inc.

PLAN VALID ONLY WITH ENGINEER'S SIGNATURE IN RED INK ON PLAN.
THIS DETAIL TO BE USED IN CONJUNCTION WITH STANDARD POOL STRUCTURAL PLAN



CALCULATIONS

METHODOLOGY:

γ = EQUIVALENT FLUID PRESSURE

CASE I
 $OTM = 1/6 \gamma H^3$ WHERE $\gamma = 60$ pcf
 NET MOM = OTM - RESISTING MOMENT

CASE II
 $OTM = 1/6 \gamma H^3$ WHERE $\gamma = 62.4$ pcf
 NET MOM = OTM + RESISTING MOMENT

$$f_s = \frac{M(12 \text{ in/ft})}{A_s j d} = \frac{M_t (12)}{A_s (0.887) d}$$

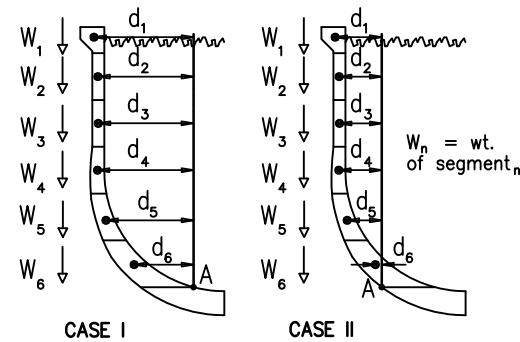
$$f_c = \frac{M(2) 12 \text{ in/ft}}{j k b d^2} = \frac{M_t (2)(12)}{(0.887)(0.339)(12) d^2} < 1125 \text{ psi}$$

$$\nu_c = \frac{(1/2) \gamma H^2}{(12 \text{ in/ft}) j d} = \frac{\gamma H^2}{(2)(12)(0.887) d} < 55 \text{ psi}$$

$f'_c = 2,500$ psi
 $F_s = 20,000$ psi
 $f_c = 0.45 f'_c = 1125$ psi
 $\nu_c = 1.1 \sqrt{f'_c} = 55$ psi

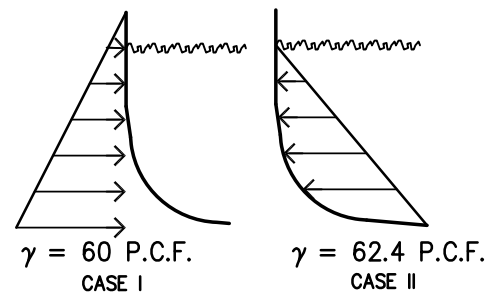
RESISTING MOMENT:

RESISTING MOMENT ABOUT POINT A
 $RM = W_1 d_1 + W_2 d_2 + \dots + W_n d_n$



LOADING DIAGRAM:

THIS DETAIL IS DESIGNED FOR EACH OF THE LOAD CASES DEFINED BELOW.



CALCULATION RESULTS:

FREESTANDING WALL
 EQUIVALENT FLUID PRESSURE = 60 P.C.F.
 RESULTS FOR NO RAISED BOND BEAM

DEPTH 'D'	SOIL OTM ft-#	WATER OTM ft-#	SOIL RM ft-#	WATER RM ft-#	NET Mom	CASE I d1 SOIL	CASE II d2 WATER	VERTICAL STEEL	f _s p.s.i.	f _c p.s.i.	ν _c p.s.i.
3'-6"	429	446	106	-53	393	3"	3"	#3 @ 12"	15354	427	10.6
4'-0"	640	666	124	-55	611	3"	3"	#3 @ 6"	12275	508	13.9
5'-0"	1250	1300	230	-57	1020	3½"	4½"	"	17454	660	17.9
6'-0"	2160	2246	497	-2	1663	4"	5½"	add 3 #4	8283	580	22.5
7'-0"	3430	3567	1046	315	3882	4"	5½"	"	13807	832	30.6
8'-0"	5120	5325	2259	971	6296	4"	6½"	"	18781	998	40.0
8'-6"	6141	6387	4820	888	7275	4"	7½"	"	18671	889	45.2

RESULTS FOR 2'-6" MAX. RAISED BOND BEAM

HEIGHT 'H'	SOIL OTM ft-#	WATER OTM ft-#	SOIL RM ft-#	WATER RM ft-#	NET Mom	CASE I d1 SOIL	CASE II d2 WATER	VERTICAL STEEL	f _s p.s.i.	f _c p.s.i.	ν _c p.s.i.
3'-6"	429	10	106	-53	323	3"	3"	#3 @ 12"	12607	351	10.2
4'-0"	640	35	116	-63	524	3"	3"	#3 @ 6"	10537	436	13.3
5'-0"	1250	163	135	-99	1115	3½"	3"	"	19071	722	17.9
6'-0"	2160	446	163	-165	1997	4½"	3"	#3 @ 3"	13563	666	20.0
7'-0"	3430	948	251	-163	3179	5"	3"	"	19325	891	24.5
8'-0"	5120	1730	508	-82	4612	6"	3"	add 3 #4	14965	938	26.7
9'-0"	7290	2856	1031	195	6259	6½"	4"	"	18669	1064	31.2
10'-0"	10000	4388	2082	611	7918	8"	5½"	"	18993	1021	31.3
11'-0"	13310	6387	6678	291	6678	8½"	6½"	"	19921	1034	35.6

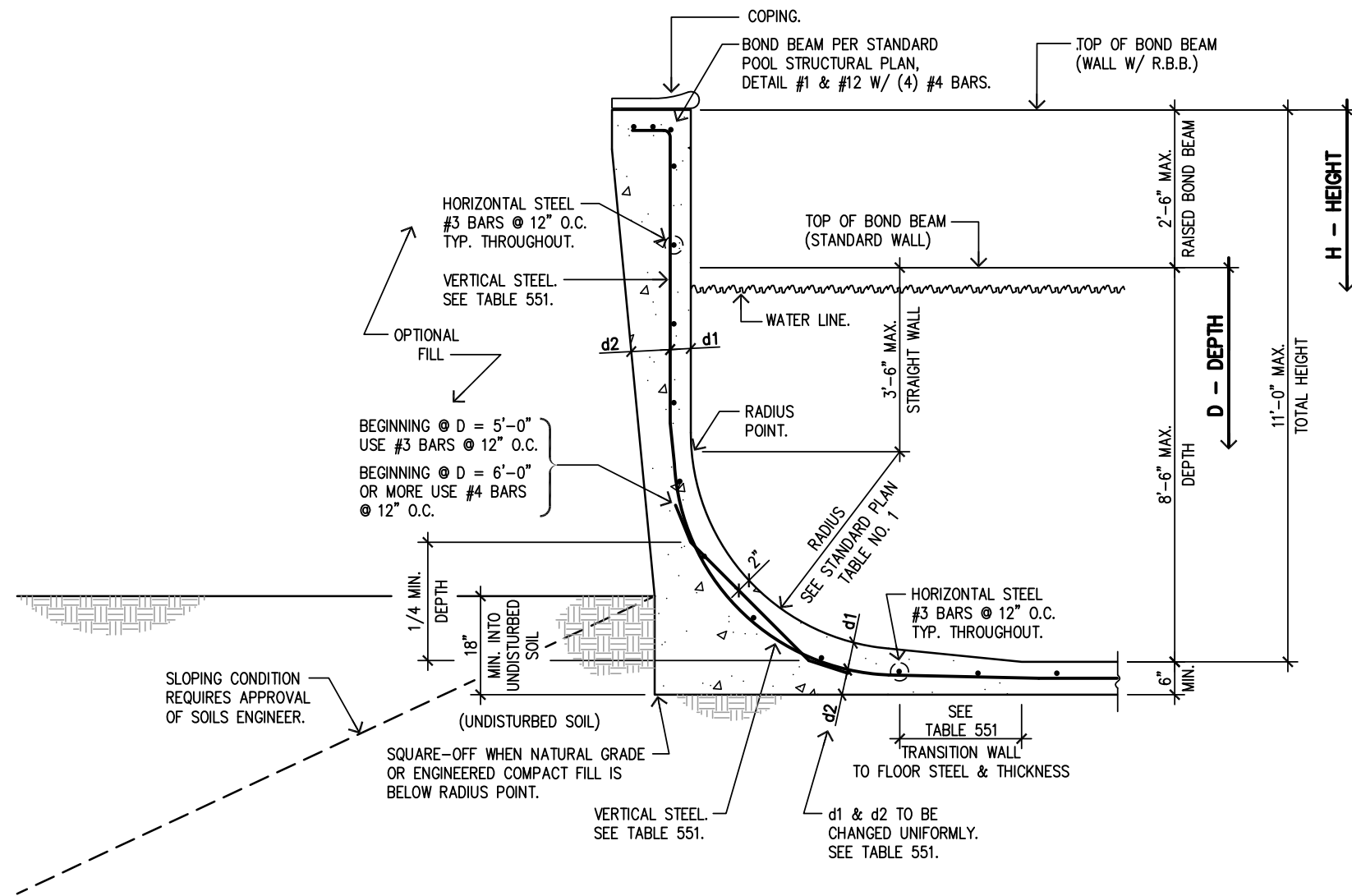


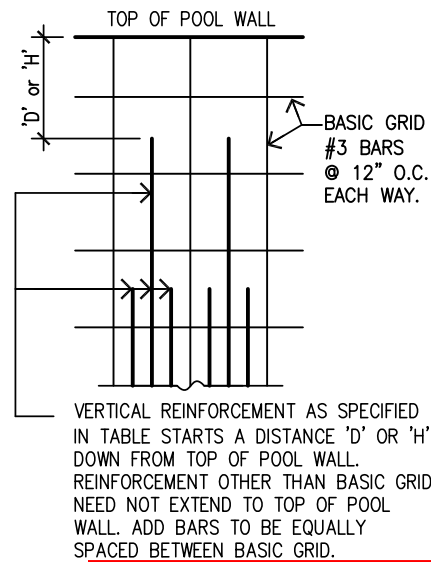
TABLE 551

'D' OR 'H' IS DISTANCE FROM TOP OF POOL WALL DOWNWARD.
 BEGIN SPECIFIED STEEL & GUNITE THICKNESS AT INDICATED 'D' OR 'H' DEPTH.
 (SEE STANDARD STRUCTURAL PLAN, DETAIL #2)

POOL DEPTH	NO RAISED BOND BEAM			REQ'D TRANS.
	D	d1	d2	
0 to 3'6"	3"	3"	#3 @ 12"	2'-0"
4'-0"	3"	3"	#3 @ 6"	2'-0"
4'-6"	3"	3½"	"	2'-0"
5'-0"	3½"	4½"	"	2'-0"
5'-6"	4"	5½"	"	2'-0"
6'-0"	4"	5½"	add 3 #4	2'-0"
6'-6"	4"	5½"	"	2'-0"
7'-0"	4"	5½"	"	2'-0"
7'-6"	4"	5½"	"	2'-0"
8'-0"	4"	6½"	"	2'-0"
8'-6"	4"	7½"	"	2'-0"

TOTAL HEIGHT	2'-6" MAX. RAISED BOND BEAM			REQ'D TRANS.
	H	d1	d2	
0 to 3'6"	3"	3"	#3 @ 12"	2'-0"
4'-0"	3"	3"	#3 @ 6"	2'-0"
4'-6"	3"	3"	"	2'-0"
5'-0"	3½"	3"	"	2'-0"
5'-6"	4½"	3"	"	2'-0"
6'-0"	4½"	3"	#3 @ 3"	2'-0"
6'-6"	4½"	3"	"	2'-0"
7'-0"	5"	3"	"	2'-8"
7'-6"	6"	3"	"	2'-8"
8'-0"	6"	3"	add 3 #4	2'-10"
8'-6"	6"	3½"	"	2'-11"
9'-0"	6½"	4"	"	3'-0"
9'-6"	7"	5"	"	3'-2"
10'-0"	8"	5½"	"	3'-2"
10'-6"	8½"	6½"	"	3'-2"
11'-0"	8½"	6½"	"	3'-2"

TYPICAL ADD BAR REINFORCING DIAGRAM



Hillside Development Permit
 Project # 24-0002667
 Planning Division
 EDUARDO RENDON
 Planning Technician
 Approval Date: March 6, 2025

FOR USE ONLY AT
 2925 N Lamer St
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REGISTERED PROFESSIONAL ENGINEER
 MATTHEW G. THOMPSON
 No. 86051
 Exp. 9/30/24
 STATE OF CALIFORNIA

Date: 4/19/2023

23-02702

FREESTANDING WALL
 EQUIVALENT FLUID PRESSURE = 60 P.C.F.

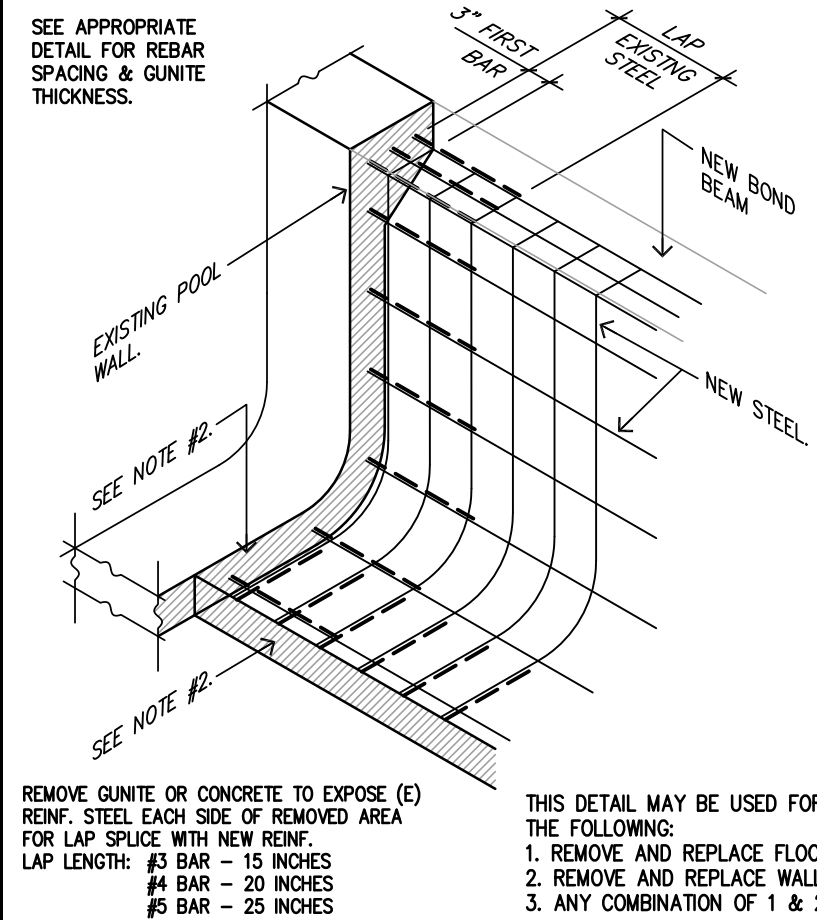
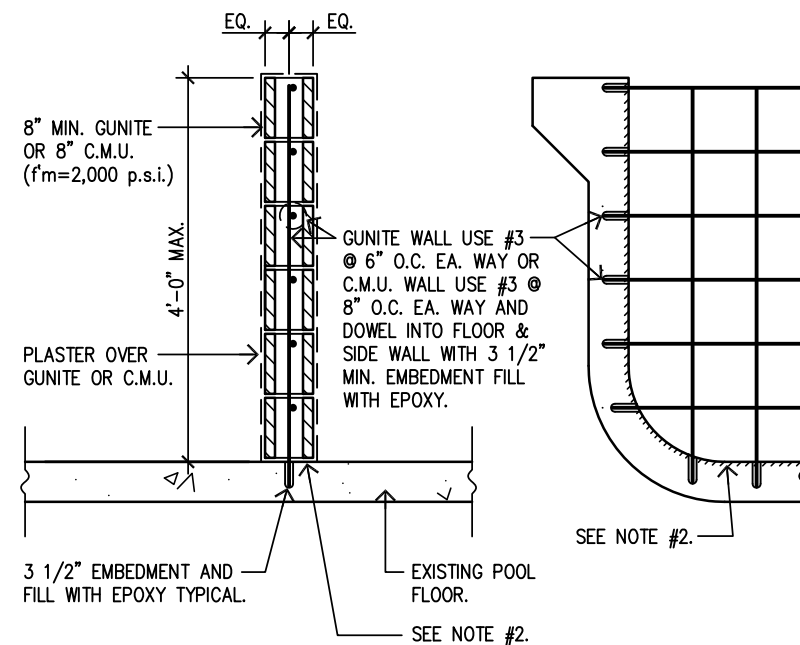
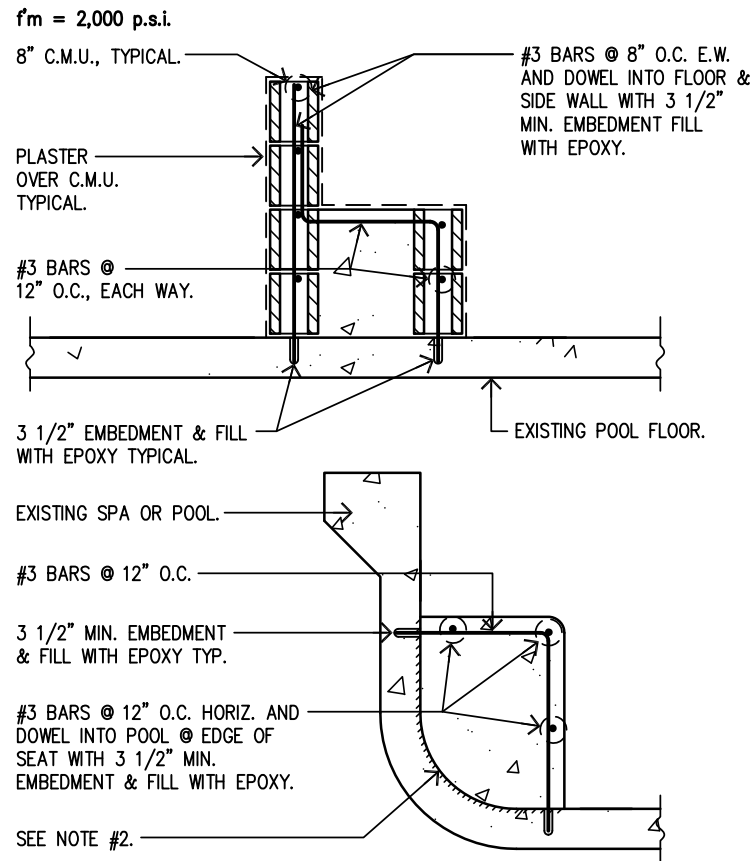
DETAIL #551

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pool engineering inc.

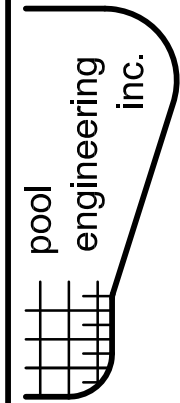
PLAN VALID ONLY WITH ENGINEER'S SIGNATURE IN RED INK ON PLAN.
 THIS DETAIL TO BE USED IN CONJUNCTION WITH STANDARD POOL STRUCTURAL PLAN





- REMODEL NOTES:**
- EPOXY TO BE SIMPSON STRONGTIE SET-XP EPOXY ADHESIVE OR EQUAL. INSTALL PER MANUFACTURERS SPECIFICATIONS (ICC REPORT ESR-2508, L.A. RR# 25744).
 - BONDING TO EXISTING SURFACE:
 - EXISTING SURFACES MUST BE SOUND, FREE OF DEFECTS, CLEAN, AND FREE OF BOND INHIBITING MATERIALS.
 - EXISTING SURFACES SHALL BE ROUGHENED BY CHIPPING OR OTHER SUITABLE MEANS TO PROVIDE OPEN PORE STRUCTURE. ALL LOOSE, CRACKED, OR DETERIORATED MATERIALS SHALL BE REMOVED.
 - CLEAN EXISTING SURFACES BY WATER BLASTING.
 - SATURATED SURFACE DRY CONDITION OF THE SUBSTRATE SHALL BE MAINTAINED PRIOR TO APPLYING MATERIALS.
 - WHEN APPLYING MATERIALS OTHER THAN WET-MIX SHOTCRETE OR DRY-MIX SHOTCRETE (GUNIT), CEMENT PASTE OR OTHER BONDING AGENTS SHALL BE BRUSHED ONTO THE SUBSTRATE FOR ABSORPTION INTO PORE STRUCTURE.
 - BONDING MATERIALS ARE NOT RECOMMENDED FOR WET OR DRY MIX SHOTCRETE.
 - USE GRADE 40 REINFORCING STEEL.
 - IF REINFORCING SHOWS SIGNS OF EXCESSIVE DETERIORATION (RUST), CUT EXISTING REINFORCING 6" PAST DETERIORATION SECTION & LAP WITH NEW STEEL 24" MIN.

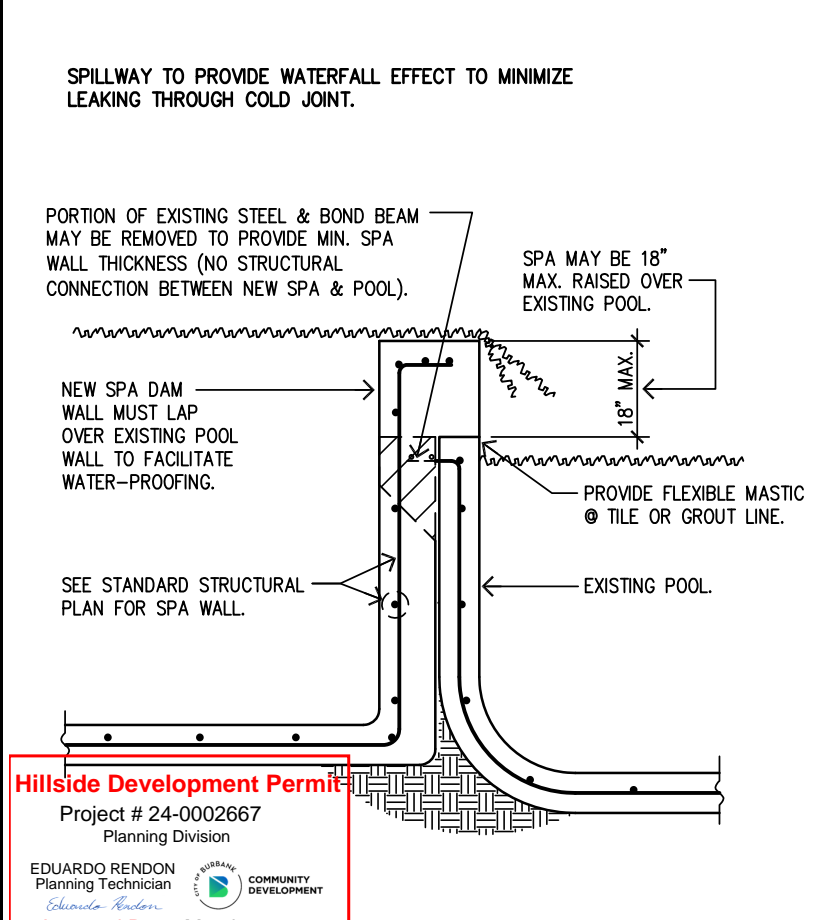
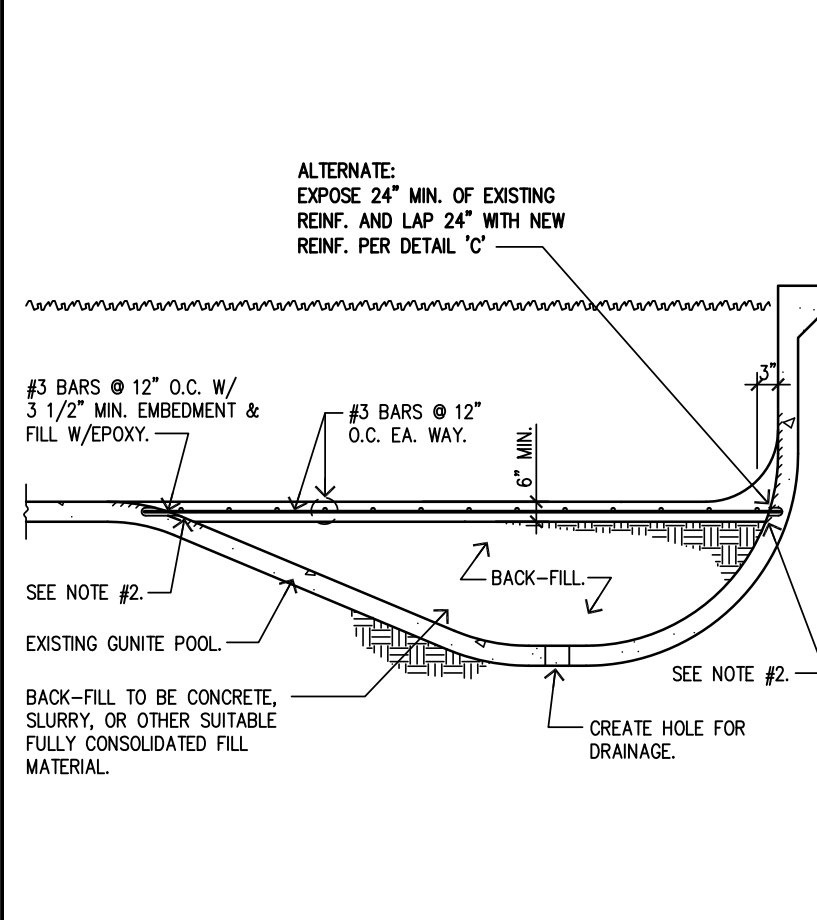
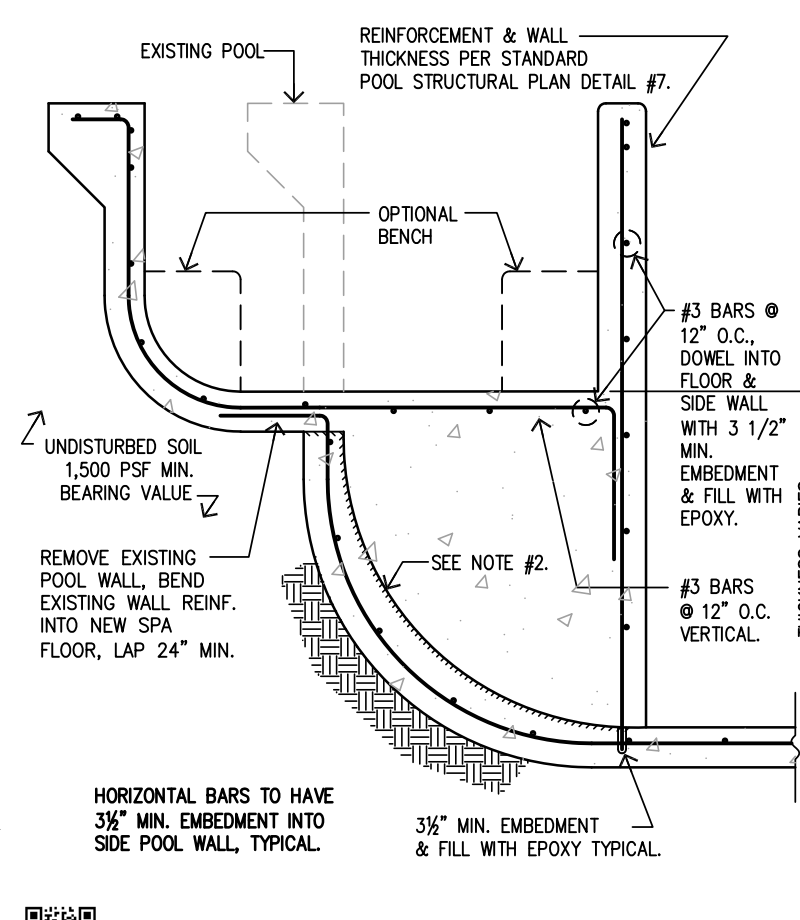
Ron Lacher, R.C.E.
1201 N. Tustin Ave.
Anaheim, CA 92807
Fax: (714) 630-6114
Phone: (714) 630-6100



ADD STEPS, BENCH OR SHELF **A**

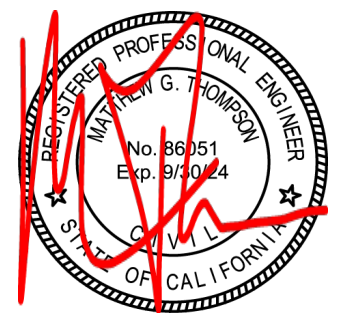
ADD A DAM WALL (GUNIT OR C.M.U.) **B**

LAP SPLICE & REMOVE AND REPLACE GUNITING DETAIL **C**



THIS DETAIL IS NOT APPLICABLE TO, AND SHALL NOT BE USED TO REMODEL NON-GROUND SUPPORTED POOLS SUCH AS CAISSON, PILE OR PIER SUPPORTED POOLS.

FOR USE ONLY AT
2925 N Lamer St
Burbank CA 91504



Date: 4/19/2023

23-02702

POOL & SPA
REMODEL DETAIL

PLAN VALID ONLY WITH ENGINEER'S SIGNATURE IN RED INK ON PLAN.
THIS DETAIL TO BE USED IN CONJUNCTION WITH STANDARD POOL STRUCTURAL PLAN

SPA OR SHELF PARTIALLY INSIDE POOL **D**

RAISE FLOOR OF EXISTING POOL **E**

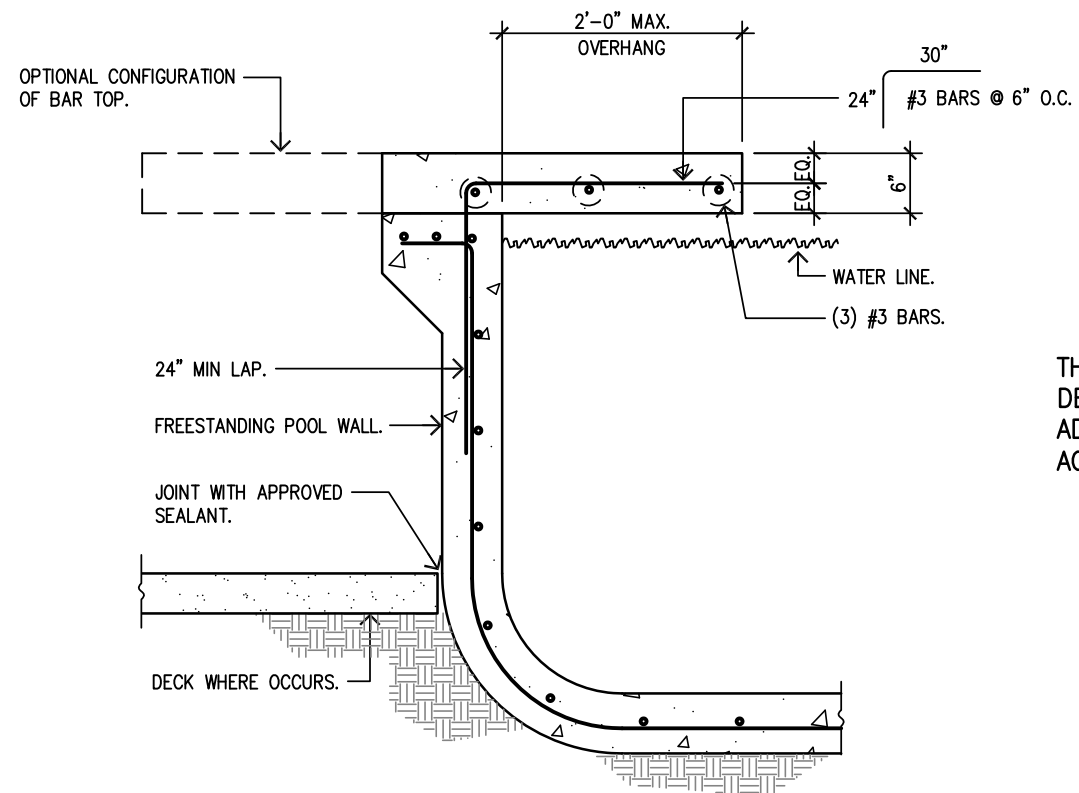
ADD A SPA (OUTSIDE EXISTING POOL) **F**

DETAIL #640

18/02 JANUARY 18, 2020



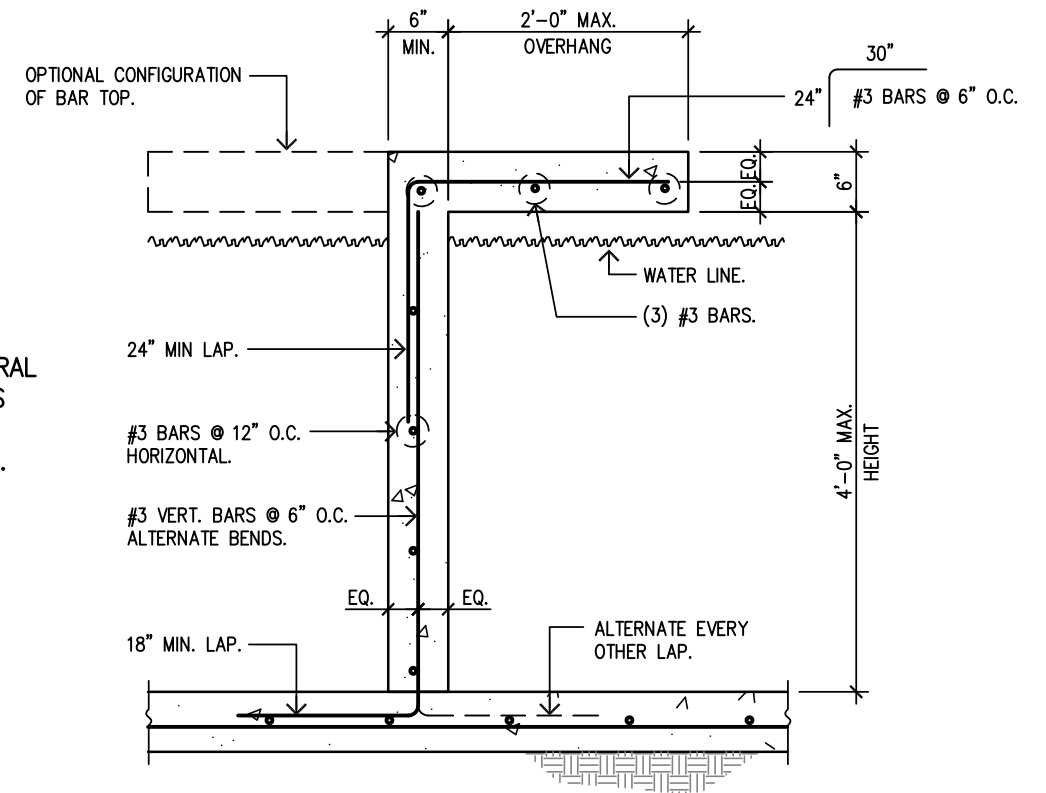
Hillside Development Permit
Project # 24-0002667
Planning Division
EDUARDO RENDON
Planning Technician
Approval Date: March 6, 2025



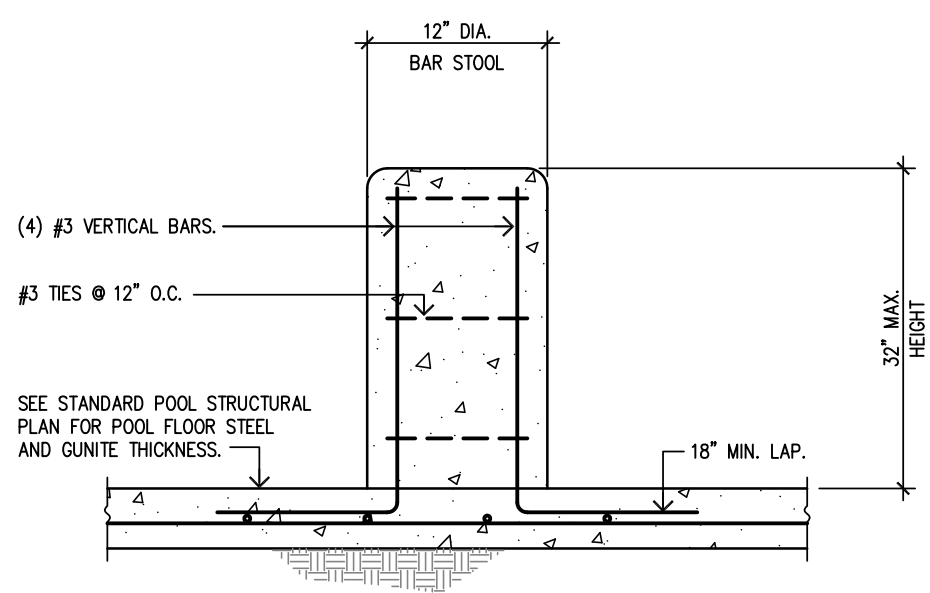
THIS CONDITION
REQUIRES FREESTANDING
POOL WALL DETAIL.

BAR ON BOND BEAM
NO SCALE **B**

THIS DETAIL IS FOR STRUCTURAL
DESIGN ONLY. CONTRACTOR IS
ADVISED TO ENSURE SAFETY
AGAINST ENTRAPMENT HAZARD.

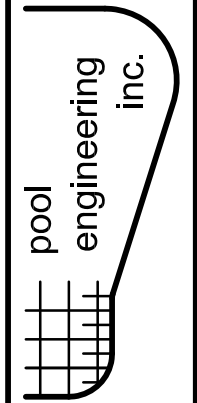


BAR ON PEDESTAL
NO SCALE **A**

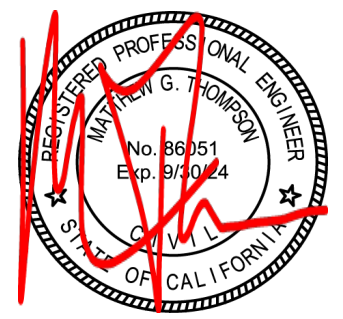


BAR STOOL
NO SCALE **C**

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Hillside Development Permit

Project # 24-0002667
Planning Division

EDUARDO RENDON
Planning Technician
Eduardo Rendon



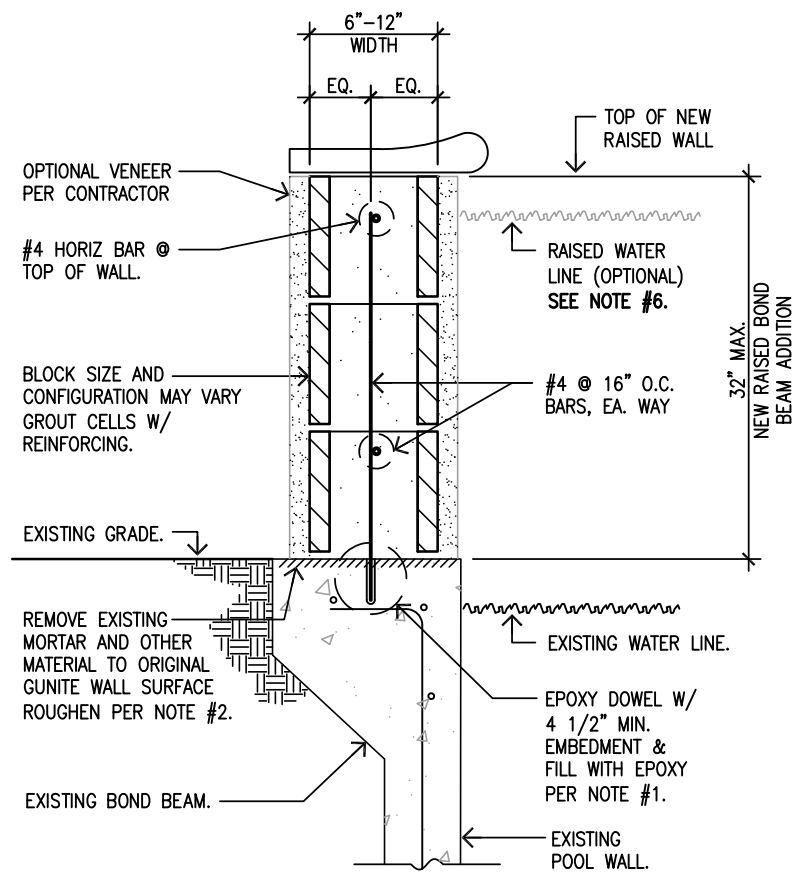
Approval Date: March 6, 2025

BARSTOOLS & BAR
WITHIN NEW POOL

PLAN VALID ONLY WITH ENGINEER'S
SIGNATURE IN RED INK ON PLAN.
THIS DETAIL TO BE USED IN CONJUNCTION
WITH STANDARD POOL STRUCTURAL PLAN

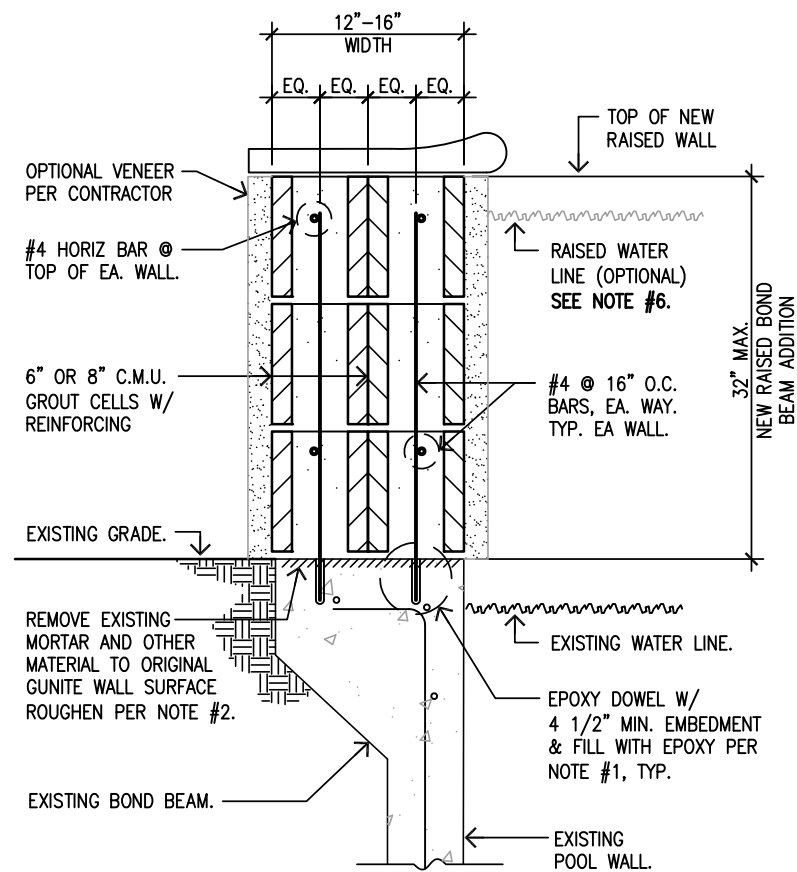
DETAIL #665





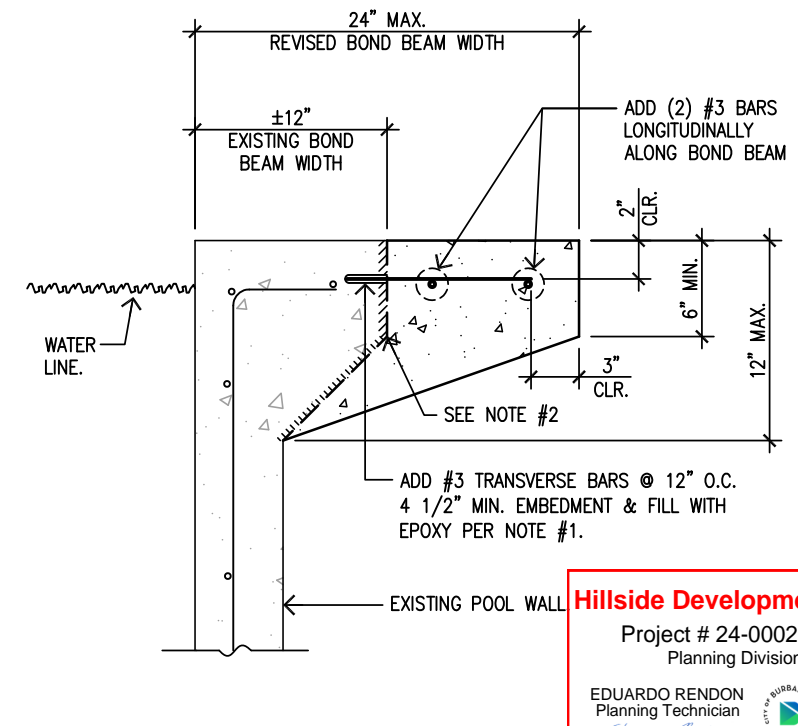
ADD MASONRY RAISED BOND BEAM

(6"-12" MAX. WIDTH) **A**



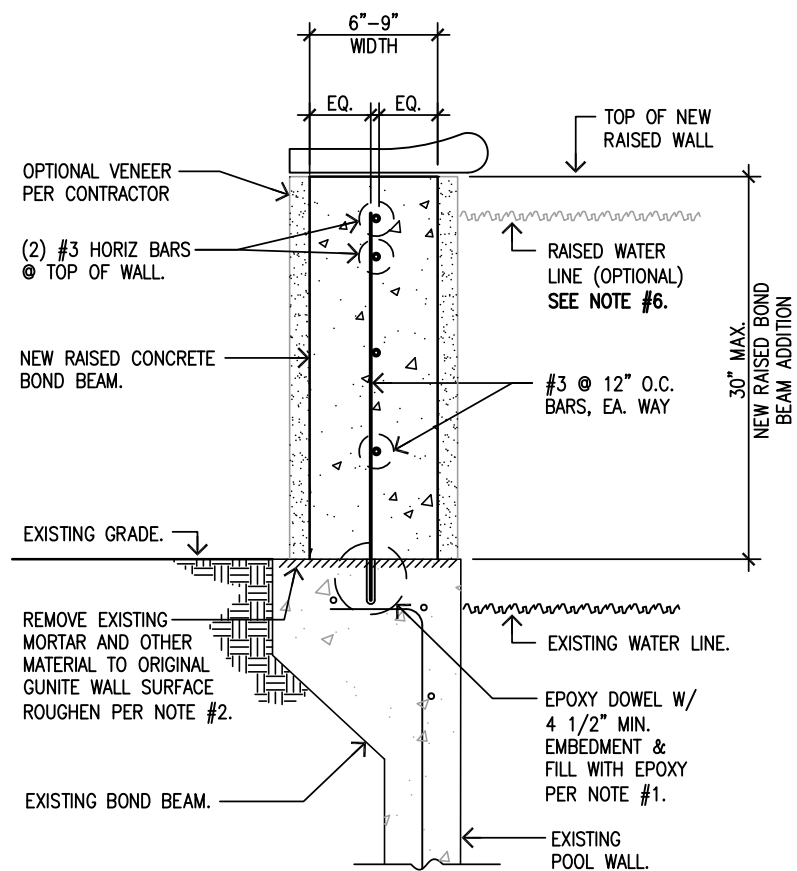
ADD MASONRY RAISED BOND BEAM

(DBL WALL, 12"-16" MAX. WIDTH) **B**



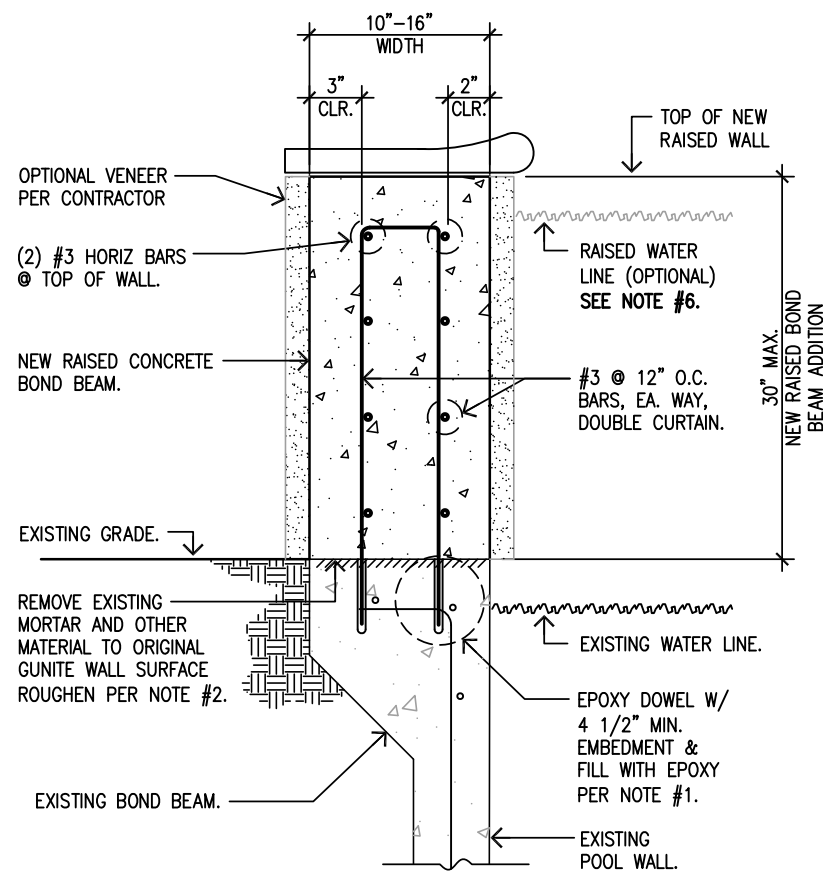
WIDEN EXISTING BOND BEAM

C



RAISED CONC BOND BEAM

(6"-9" MAX. WIDTH) **D**



ADD RAISED CONC BOND BEAM

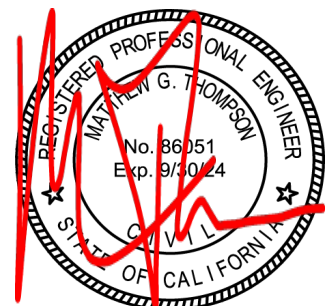
(10"-16" MAX. WIDTH) **E**

REMODEL NOTES:

- EPOXY TO BE SIMPSON STRONGTIE SET-XP EPOXY ADHESIVE OR EQUAL. INSTALL PER MANUFACTURERS SPECIFICATIONS (ICC REPORT ESR-2508, L.A. RR# 25744).
- BONDING TO EXISTING SURFACE:
 - EXISTING SURFACES MUST BE SOUND, FREE OF DEFECTS, CLEAN, AND FREE OF BOND INHIBITING MATERIALS.
 - EXISTING SURFACES SHALL BE ROUGHENED BY CHIPPING OR OTHER SUITABLE MEANS TO PROVIDE OPEN PORE STRUCTURE. ALL LOOSE, CRACKED, OR DETERIORATED MATERIALS SHALL BE REMOVED.
 - CLEAN EXISTING SURFACES BY WATER BLASTING.
 - SATURATED SURFACE DRY CONDITION OF THE SUBSTRATE SHALL BE MAINTAINED PRIOR TO APPLYING MATERIALS.
 - WHEN APPLYING MATERIALS OTHER THAN WET-MIX SHOTCRETE OR DRY-MIX SHOTCRETE (GUNIT), CEMENT PASTE OR OTHER BONDING AGENTS SHALL BE BRUSHED ONTO THE SUBSTRATE FOR ABSORPTION INTO PORE STRUCTURE.
 - BONDING MATERIALS ARE NOT RECOMMENDED FOR WET OR DRY MIX SHOTCRETE.
- USE GRADE 40 REINFORCING STEEL (REINF).
- IF REINF SHOWS SIGNS OF EXCESSIVE DETERIORATION (RUST), CUT EXISTING REINF 6" PAST DETERIORATION SECTION & LAP WITH NEW STEEL 24" MIN.
- ADDITIONAL REINF MAY BE REQUIRED BY SHOTCRETE CONTRACTOR TO FACILITATE SHOTCRETE APPLICATION. ADDITIONAL REINF SHALL BE ATTACHED TO EXISTING POOL WALL PER NOTES #1 & #2.
- WATER LINE MAY NOT BE RAISED WHERE POOL WALL IS REQUIRED TO BE DESIGNED TO SUPPORT WATER WITHOUT LATERAL SOIL SUPPORT (I.E. FREESTANDING CONDITION) SUCH AS ON OR ADJACENT TO A DESCENDING SLOPE.
- THIS DETAIL IS NOT APPLICABLE TO, AND SHALL NOT BE USED TO REMODEL NON-GROUND SUPPORTED POOLS SUCH AS CAISSON, PILE OR PIER SUPPORTED POOLS.

EPOXY DOWELS MUST BE EMBEDDED INTO STRUCTURALLY SOUND SHOTCRETE OR GUNIT BOND BEAM.

FOR USE ONLY AT
2925 N Lamer St
Burbank CA 91504



Date: 4/19/2023

23-02702

BOND BEAM
REMODEL DETAIL

NOTES & SPECIFICATIONS

F

DETAIL #639

Ron Lacher, R.C.E.
 1201 N. Tustin Ave.
 Anaheim, CA 92807
 (714) 630-6100
 info@pooleng.com

pool engineering inc.

PLAN VALID ONLY WITH ENGINEER'S SIGNATURE IN RED INK ON PLAN.
 THIS DETAIL TO BE USED IN CONJUNCTION WITH STANDARD POOL STRUCTURAL PLAN

19th FEBRUARY 3, 2020



BENCH AND STEP OPTIONS:

1. UNDISTURBED EARTH MAY BE LEFT IN PLACE TO FORM THE STEPS OR BENCHES... ADJACENT BUILDING, PATIO COVER OR OTHER SURCHARGE LOAD.

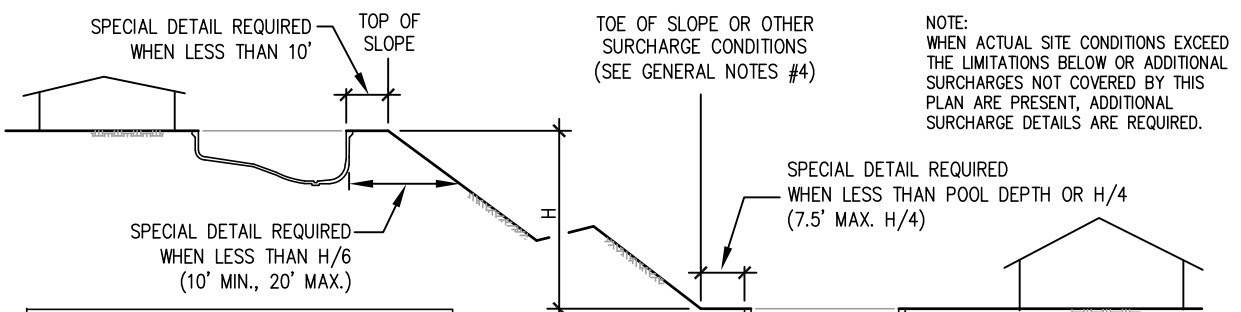
RADIUS NOTE: FLOOR TO WALL TRANSITION RADIUS MAY VARY SLIGHTLY... NOTE: BOND BEAM HORIZONTAL BARS MAY BE OVER OR UNDER VERTICAL BARS.

TABLE NO. 1: REINFORCING BAR SCHEDULE TABLE with columns for NON-EXPANSIVE, EXPANSIVE, and NO DECK/HIGH EXP.

GENERAL NOTES

- 1. THIS STANDARD POOL STRUCTURAL PLAN MUST BE ACCOMPANIED BY A CLEAR PLOT PLAN SHOWING POOL AND SPA DEPTH, DISTANCE TO PROPERTY LINE... 2. REPRESENTATIVES OF POOL ENGINEERING INC. HAVE NOT INSPECTED THE SITE...

TYPICAL LONGITUDINAL SECTION



STANDARD WALL SECTION

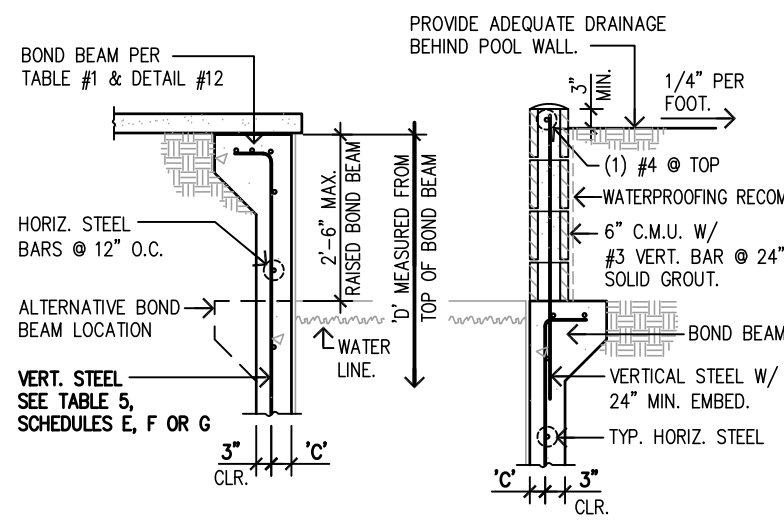
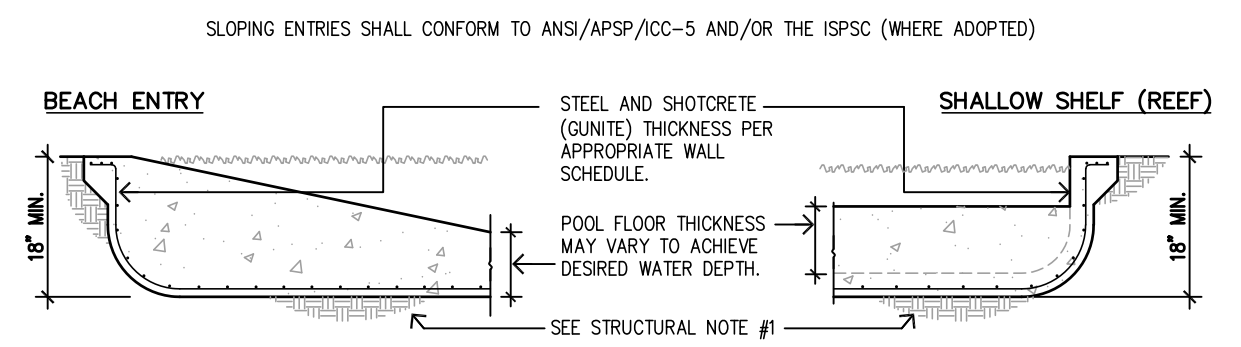


TABLE NO. 5 RAISED BOND BEAM: REINFORCING BAR SCHEDULE TABLE for raised bond beams.

SURCHARGE CONDITIONS - ADDITIONAL SPECIAL DETAILS REQUIRED FOR CONDITIONS ABOVE

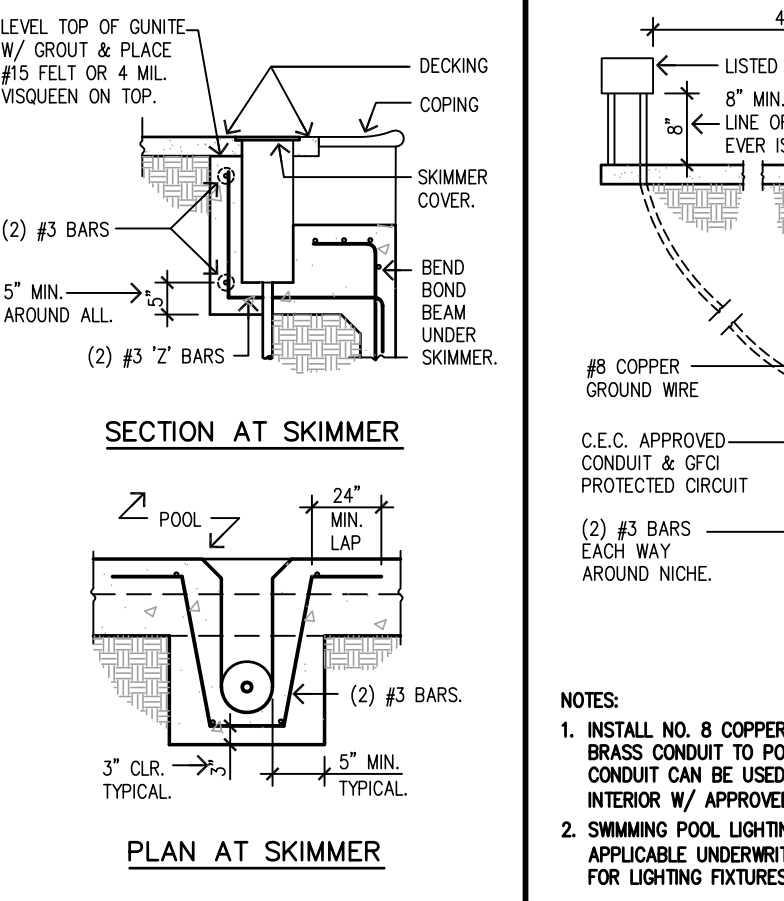


- MASONRY NOTES: 1. CONCRETE BLOCK SHALL BE NORMAL WEIGHT UNITS (135 PCF)... 2. GROUT SHALL CONFORM TO CBC/IBC SEC. 2103...

SHALLOW FEATURES - MAINTAIN 18" MIN. EMBEDMENT INTO UNDISTURBED OR APPROVED COMPACTED SOIL

NOTE: SPA AIR-LINE MAY BE LOOPED INTO SPA BOND BEAM... SPA DETAILS - SPA DETAILS MAY BE USED FOR SPAS WITHOUT POOLS.

RAISED BOND BEAM



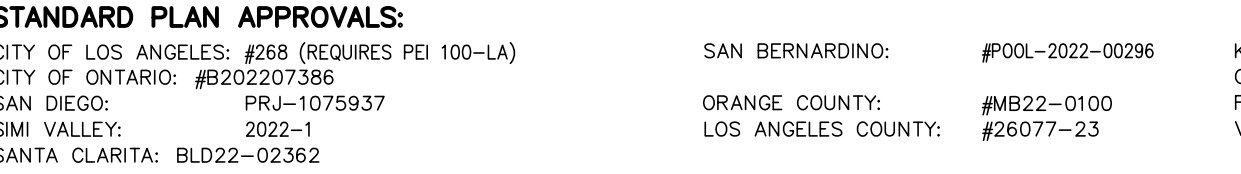
NOTES

BRICK OR PRECAST CONCRETE COPING... PLUMBING MAY BE LOCATED IN BOND BEAM LOWER CORNER... SECTION AT LIGHT diagram.

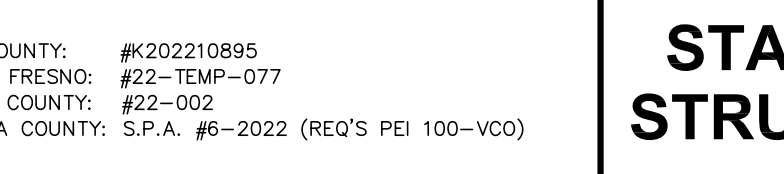
GLAZING IN HAZARDOUS LOCATIONS

GLAZING SHALL COMPLY WITH THE CBC SECTION 2406.4... CONTINUOUS SHOTCRETE INSPECTION... FENCING AND BARRIERS... COUNTY OF LOS ANGELES SPECIAL NOTES... CITY OF SIMI VALLEY SPECIAL NOTES... UNINCORPORATED COUNTY OF ORANGE SPECIAL NOTES... COUNTY OF SAN BERNARDINO SPECIAL NOTES... CITY OF SANTA CLARITA SPECIAL NOTES.

EXPANSIVE SOIL DETAILS



SKIMMER DETAIL



SECTION AT LIGHT



SHALLOW/DEEP END RAMP



BOND BEAM DETAILS

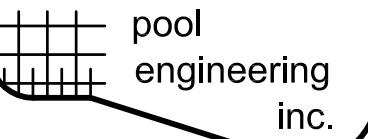


STANDARD PLAN APPROVALS:

- CITY OF LOS ANGELES: #268 (REQUIRES PEI 100-LA)... SAN BERNARDINO: #POOL-2022-00296... KERN COUNTY: #K202210895... CITY OF FRESCO: #22-TEMP-077... FRESNO COUNTY: #22-002... VENTURA COUNTY: S.P.A. #6-2022 (REQ'S PEI 100-VCO)

STANDARD POOL STRUCTURAL PLAN

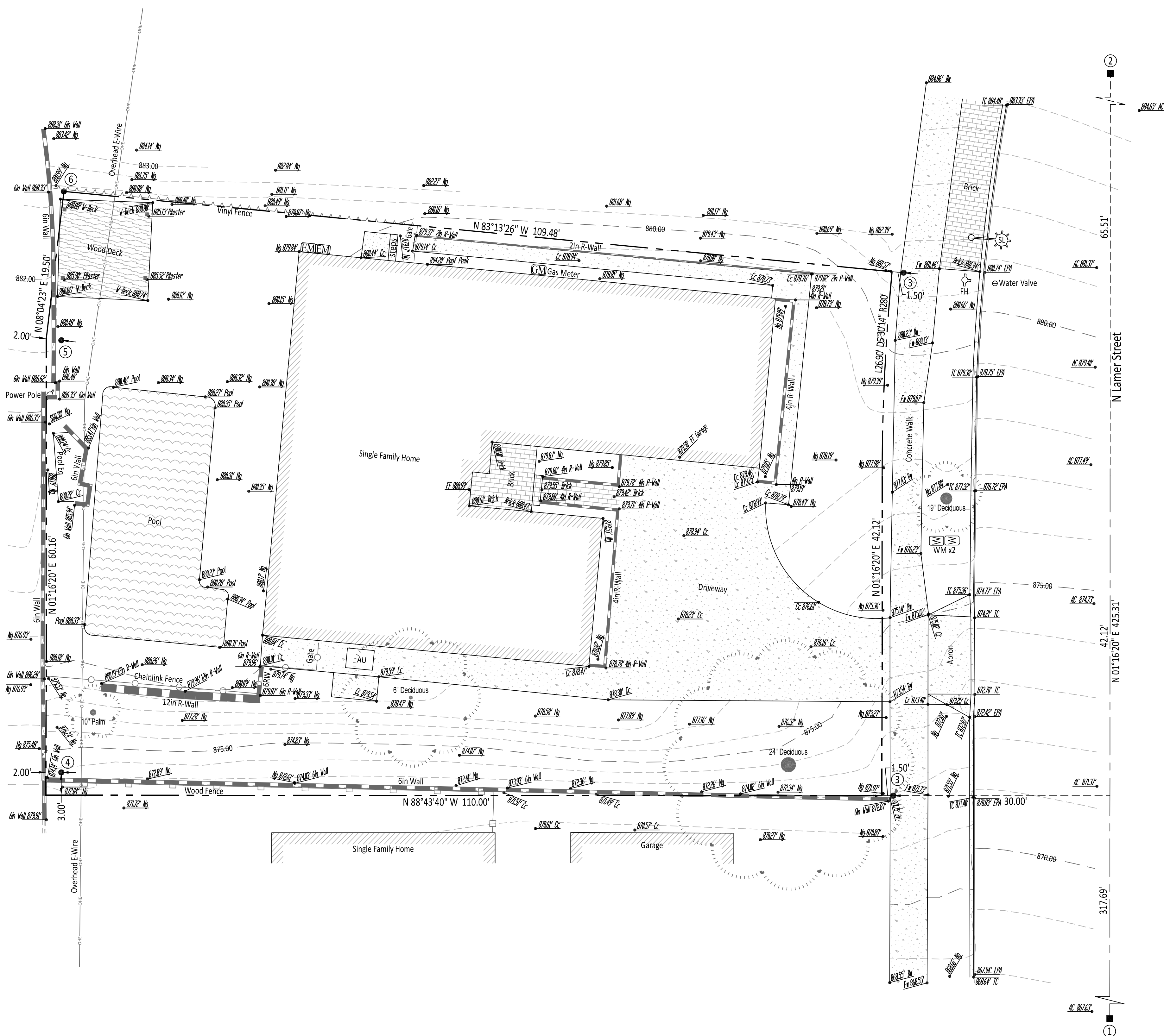
PREPARED IN ACCORDANCE WITH THE 2022 CALIFORNIA BUILDING CODE (2021 INTERNATIONAL BUILDING CODE)



1201 N. Tustin Ave. Anaheim, California 92807 Email: info@PoolEng.com Phone: (714) 630-6100



THIS PLAN IS VALID ONLY WITH QR CODE THAT WHEN SCANNED DISPLAYS THE PROJECT ADDRESS AND JOB NUMBER MATCHING THAT SHOWN ABOVE ENGINEER'S STAMP



Legend			
	Lot Line		Sewer Manhole
	Tree Dripline		Sewer Clean Out
	Wall		Tree Trunk
	Wood Fence		Water Meter
	Electric Meter		Building
	Gas Meter		Concrete
	Point Established or Found		Pool
	Point Set		
	Street Light		

Abbreviations

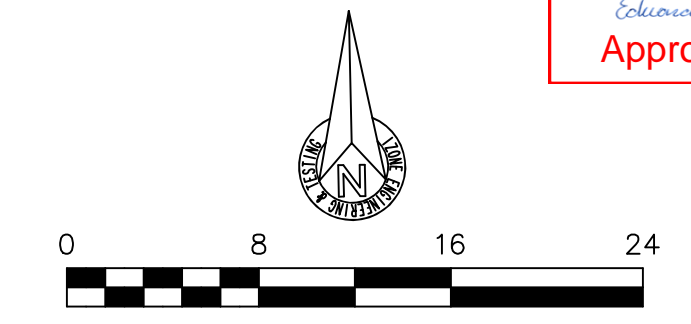
AC	Asphalt
AU	A/C Unit
Cc	Concrete
Bw	Back of Walk
FF	Finished Floor
FH	Fire Hydrant
FL	Flowline
Fw	Front of Walk
GM	Gas Meter
Ng	Natural Ground
R-Wall	Retaining Wall
SL	Street Light
ssco	Sewer Clean Out
TC	Top of Curb
WM	Water Meter
GRW	6in R-Wall

References

- R1 Tract No. 18923 M.B. 576*1-5
- R2 PWFB1818*900-901
- R3 PWFB1818*756-757

Monuments

- ① Found spike & LS 4016 washer per R2.
- ② Found spike & LS 4016 washer per R3.
- ③ Set LS 7764 tag on lot line produced 1.50' from lot corner.
- ④ Set 5/8" rebar with LS 7764 cap on double offset from lot lines as shown.
- ⑤ Set 5/8" rebar with LS 7764 cap on 2.00' offset from lot corner.
- ⑥ Set 5/8" rebar with LS 7764 cap at lot corner.



Hillside Development Permit
 Project # 24-0002667
 Planning Division
 EDUARDO RENDON
 Planning Technician
Eduardo Rendon
 Approval Date: March 6, 2025

Boundary & Topographic Survey	Project Number	Client:	Revisions	Date
2925 N Lamer St. Burbank CA 91605 Lot 87 Tract 18923 M.B. 576 Pages 1 - 5 APN 2471-022-028	24-0030 01-25-2024 JA Drawn Approved Scale 1" = 8' 1 of 1 Sheet	Elevation = 844.86 Feet N CL OF SCOTT RD, ABOUT 48 FT E OF THE CL OF KEYSTONE ST. TOP NW CORNER OF A 14x2 FOOT CATCH BASIN WITH DROP INLET N OF SCOTT RD.	Basis of Bearings: Bearing = North 01°16'20" East Centerline of Lamer Street per Tract No. 18923 M.B. 576 Pages 1 - 5.	2025