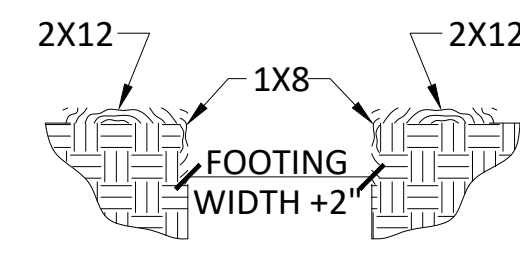


CONCRETE

1. CONCRETE 28 DAY COMPRESSIVE STRENGTH, F'C = 2500PSI, U.N.O.
2. WATER TO CEMENT RATIO SHALL NOT EXCEED 0.50.
3. MOIST CURE SLABS FOR A MINIMUM OF 3 DAYS.
4. CONCRETE MIX DESIGN SHALL BE PREPARED BY A 3RD PARTY INDEPENDENT LABORATORY. SELECTION OF CONCRETE MIX PROPORTIONS SHALL BE PER THE CALIFORNIA BUILDING CODE.
5. CEMENT SHALL CONFORM TO ASTM C-150 TYPE I OR II.
6. CONCRETE AGGREGATES SHALL CONFORM TO ASTM C-33. AGGREGATES FOR LIGHTWEIGHT CONCRETE SHALL CONFORM TO ASTM C-330.
9. REINFORCING DIMENSIONS SHOWN FOR LOCATION OF REINFORCING ARE TO THE FACE OF MAIN BARS AND DENOTE CLEAR COVERAGE. CONCRETE COVERAGE SHALL BE AS FOLLOWS: CONCRETE DEPOSITED AGAINST GROUND (EXCEPT SLABS) -3". CONCRETE EXPOSED TO GROUND BUT PLACES IN FORMS -2". SLABS (ON GROUND) -2" CLEAR FROM TOP U.N.O.
10. ALL PREHEATING AND WELDING OF REINFORCING BARS SHALL BE DONE IN ACCORDANCE WITH AWS D1.4 LATEST EDITION AND SHALL BE CONTINUOUSLY INSPECTED BY A QUALIFIED LABORATORY. CONTRACTOR SHALL FURNISH TO THE LABORATORY, REBAR MILL CERTIFICATES.
11. REINFORCING STEEL SHALL BE FABRICATED ACCORDING TO "MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION".
12. WIRE FABRIC SHALL CONFORM TO ACI 318-3.5.1, ACI 318-3.5.7, AND ASTM A-1064.
13. REINFORCING STEEL SHALL CONFORM TO ASTM A615-GRADE 60 FOR NO. 5 AND LARGER, AND ASTM A615-GRADE 40 FOR NO. 4 AND SMALLER, EXCEPT REINFORCING STEEL TO BE WELDED SHALL CONFORM TO ASTM A706.
14. SPLICES IN CONTINUOUS REINFORCEMENT FOR A CLASS "A" LAP SPlice FOR NORMAL WEIGHT CONCRETE WHERE LESS THAN 12" OF CONCRETE IS BELOW THE LAP SPlice SHALL BE 48 BAR DIAMETERS AND SPLICES IN ADJACENT BARS SHALL BE NOT LESS THAN 5'-0" APART. CLASS "B" LAP SPLICES SHALL BE 63 BAR DIAMETERS. SPlice CONTINUOUS BARS IN SPANDRELS, GRADE BEAMS, ETC., AS FOLLOWS: TOP BARS AT MID-SPAN; BOTTOM BARS AT CENTERLINE AT SUPPORT, UNLESS NOTED OTHERWISE. SPLICES IN WWF SHALL BE 1.5 MESHES WIDE.
15. REINFORCING, DOWELS, BOLTS, ANCHORS, SLEEVES, ETC., TO BE EMBEDDED IN CONCRETE SHALL BE TIED SECURELY IN POSITION BEFORE PLACING CONCRETE PER ACI 318-12.18.
16. CONSTRUCTION JOINTS SHALL BE MADE ROUGH AND SURFACE FREE OF LOOSE DEBRIS. CONCRETE MY BE ROUGHENED BY SAND BLASTING OR CHIPPING THE ENTIRE SURFACE TO PRODUCE 1/4" DEEP DEFORMATIONS.
17. REMOVE ALL DEBRIS FROM FORMS BEFORE CASTING ANY CONCRETE.
18. 3'-0" SHALL BE THE MAXIMUM ALLOWED FREE FALL FOR CONCRETE TO MORE CLOSELY CONFORM TO ACI 318-5.10.
19. CONSOLIDATE CONCRETE PLACED IN FORMS BY MECHANICAL VIBRATING EQUIPMENT SUPPLEMENTED BY HAND-SPADING, RODDING OR TAMPING. USE EQUIPMENT AND PROCEDURES FOR CONSOLIDATION OF CONCRETE IN ACCORDANCE WITH THE RECOMMENDED PRACTICES OF ACI 309 TO SUIT THE TYPE OF CONCRETE AND PROJECT CONDITIONS.
20. NO WOOD SPREADERS ALLOWED. NO WOOD STAKES ALLOWED IN AREAS TO BE CONCRETED.
21. ALL SAW CUTTING SHALL BE DONE AFTER INITIAL SET HAS OCCURRED TO AVOID TEARING OR DAMAGE BY THE SWABBED, BUT BEFORE INITIAL SHRINKING HAS OCCURRED.
22. DRILL THROUGH STEEL COLUMNS, BEAMS AND PLATES TO PASS CONTINUOUS REINFORCING.
23. ADDITIONAL REINFORCING IN PRECAST OR TILT-UP PANELS REQUIRED FOR LIFTING STRESSES SHALL BE SUPPLIED BY THE CONTRACTOR.
24. PROVIDE 2-NO.5X4'-0" DIAGONAL REINFORCING AT MID-DEPTH OF SLAB AT ALL REENTRANT CORNERS TYPICAL.

FOUNDATIONS

1. BOTTOMS OF ALL FOUNDATIONS SHALL BE LEVEL. CHANGES IN BOTTOM OF FOUNDATION ELEVATION SHALL BE MADE ACCORDING TO STEPPED FOOTING DETAIL ON THE TYPICAL DETAIL SHEET.
2. ALL PILE CAPS, GRADE BEAMS, TIE BEAMS & OTHER FOOTINGS SHALL BE FORMED UNLESS SPECIFICALLY APPROVED BY THE ENGINEER OF RECORD. FOUNDATIONS MAY BE CAST IN NEAT EXCAVATIONS PROVIDED WRITTEN APPROVAL IS OBTAINED AND FOOTINGS ARE INCREASED 2" IN WIDTH. USE 2X12 PLANK AT EDGE OF EXCAVATION TO PROTECT AGAINST SLUFFING, AS REQUIRED.
3. WORK PERFORMED ON FOUNDATION SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT CBC



ABBREVIATIONS

AB ANCHOR BOLT	2325 Fb, 310 Fv, 1.55E
BTWN BETWEEN	LT WTLIGHT WEIGHT
CC CENTER TO CENTER	LVLLAMINATED VENEER LUMBER
CJ CONSTRUCTION JOINT	2600Fb, 285Fv, 1.8E
CJT CONTROL JOINT	MFRMANUFACTURER
CLR CLEAR	MIMALLEABLE IRON
CONC CONCRETE	(N)NEW
CONT CONTINUOUS	PTDFPRESSURE TREATED DOUGLAS FIR
CP COMPLETE PENETRATION	PSLPARALLEL STRAND LUMBER
DF DOUGLAS FIR	2900Fb, 290Fv, 2.0E
DL DEAD LOAD	NTSNOT TO SCALE
(E) EXISTING	OHOPPOSITE HAND
EJ EXPANSION JOINT	PCPIECE
EN EDGE NAILING	PPPARTIAL PENETRATION
FB FACE OF BLOCK	PWPANEL WALL
FC FACE OF CONCRETE	RDWDREDWOOD
FF FINISH FLOOR	SCSHEAR CONNECTOR
FLR FLOOR	SDSTSSELF DRILLING SLF TAPPING SCRW
FS FACE OF STUD	SPSTRUCTURAL PLY
FTG FOOTING	TNSTRUCTURAL PLY EDGE NAILING
GA GAUGE	STFNRSTIFFENER
GLB GLUED-LAMINATED BEAM	STGGRDSTAGGERED
HDR HEADER	T&BTOP & BOTTOM
HSB HIGH STRENGTH BOLT (A-325)	T&GTONGUE & GROOVE
HT HEIGHT	TNTOE NAIL
JH JOIST HANGER (SIMPSON)	TOFTOP OF FRAMING
LL LIVE LOAD	TOSTOP OF STEEL
LS LAG SCREW	UNOUNLESS NOTED OTHERWISE
LSL LAMINATED STRAND LUMBER	W/WITH
	W/OWITHOUT
	WPWORK POINT
	WSWOOD SCREW
	WWFWELDED WIRE FABRIC
	Ⓢ CENTERLINE
	Ⓢ PLATE
	# NUMBER OF POUNDS
	□ SQUARE
	∅ROUND OR DIAMETER
	⊘ CONTINUOUS WOOD IN SECTION
	⊘ WOOD BLOCKING IN SECTION
	⊘ END OF WOOD PIECE

GENERAL CONSTRUCTION NOTES

1. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL WORK AND CONSTRUCTION MEETS ALL CURRENT FEDERAL, STATE, COUNTY, AND LOCAL CODES, ORDINANCES, REGULATIONS, ETC. THESE CODES ARE TO BE CONSIDERED PART OF THE SPECIFICATIONS FOR THIS BUILDING AND SHOULD BE ADHERED TO EVEN IF THEY ARE IN VARIANCE OF THE PLAN.
2. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE DRAWING (DO NOT SCALE DRAWING.)
3. THE ENGINEER HAS NOT BEEN ENGAGED FOR CONSTANT CONSTRUCTION SUPERVISION AND ASSUMES NO RESPONSIBILITY FOR CONSTRUCTION COORDINATING WITH THESE PLANS, NOR RESPONSIBILITY FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCE, OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THERE ARE NO WARRANTIES FOR A SPECIFIC USE EXPRESSED OR IMPLIED IN THE USE OF THESE PLANS.

DESIGN CRITERIA

SCOPE
THIS SET OF PLANS SHALL BE USED FOR THE CONSTRUCTION OF THE FOUNDATION FOR THE PROPOSED METAL BUILDING. NO DESIGN OF THE METAL BUILDING HAS BEEN PERFORMED BY WCD & ASSOCIATES. COLUMN ANCHORAGE HAS BEEN INCLUDED. ALL OTHER DESIGN IS BY OTHERS.

BUILDING DESIGN BY CBC1 STEEL BUILDINGS (PROJECT NO. C22B0182A CALCULATIONS SIGNED 09/19/2022)

SOIL CRITERIA
SOIL BEARING 1500PSF

CODES
ASCE 7-16, CBC 2022, ACI318-19, 2018 NSD

STRUCTURAL INDEX

SN1	STRUCTURAL NOTES AND SPECIFICATIONS
SD1.0	FOUNDATION PLAN
SD1	STRUCTURAL DETAILS



THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO WCD & ASSOCIATES, AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX BELOW, AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF WCD. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF WCD. ALL RIGHTS RESERVED COPYRIGHT 2023.

STRUCTURAL NOTES AND SPECIFICATIONS

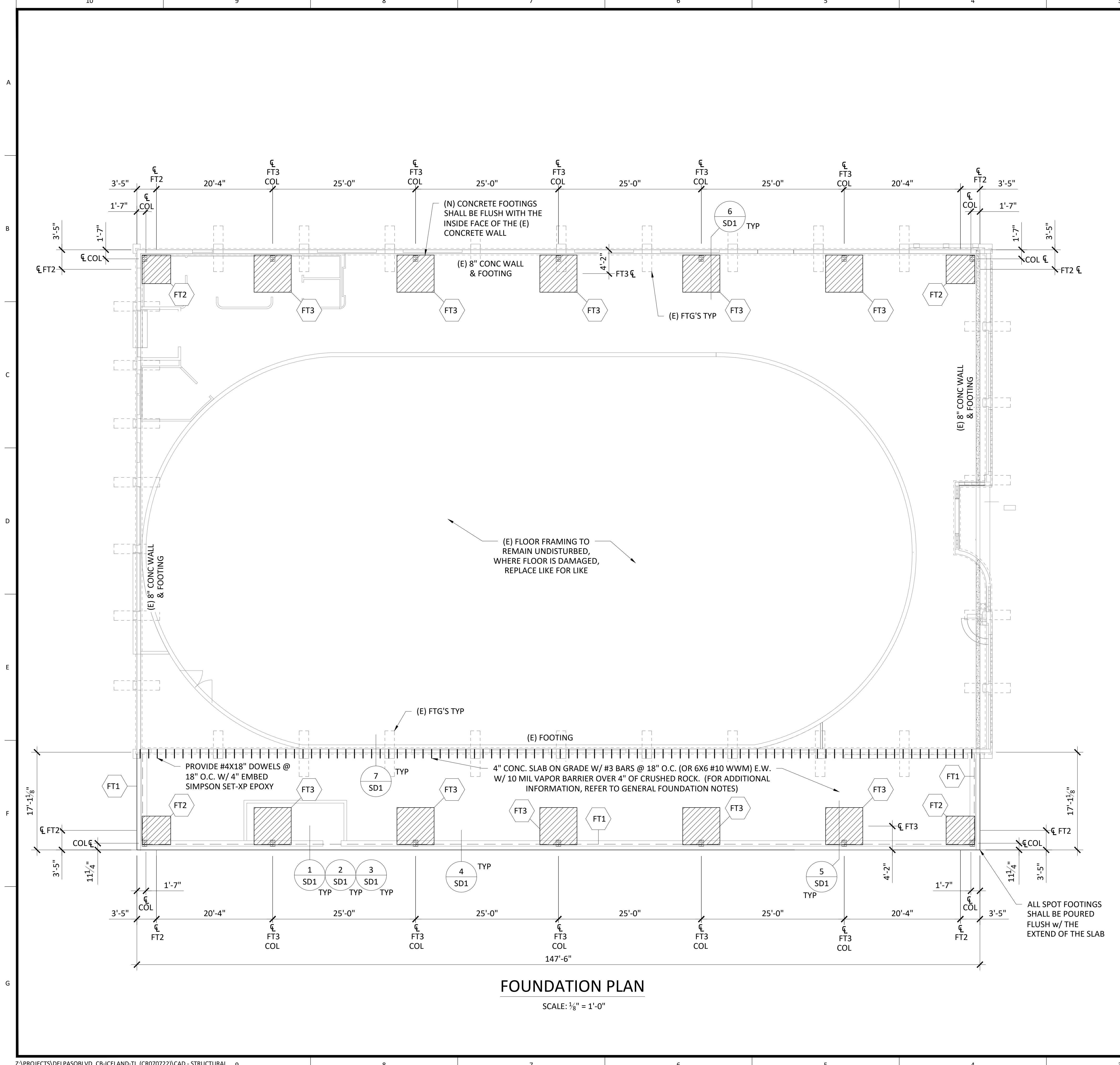
1430 DEL PASO BLVD,
SACRAMENTO, CA 95815

TITLE:
ADDRESS:



NO.	REVISIONS
△	
△	
△	
SCALE:	AS NOTED
DATE:	3/30/2023
DESIGNED BY:	T.HAMEL
DRAWN BY:	M.LAMONT
REVIEWED BY:	W.CULLUMBER
JOB NO:	CR102121
SHEET NO.	

SN1



FOOTING SCHEDULE

TYPE	DIMENSIONS			REINFORCEMENT			NOTES
	LENGTH	WIDTH	DEPTH	NO. PARALLEL SIZE	NO. PERPENDICULAR SIZE	LENGTH	
FT1	CONT.	12"	12"	2 #4	-	-	(1) TOP, (1) BOT
FT2	5'-6"	5'-6"	42"	24 #6	54"	24 #6 54"	(12) TOP, (12) BOT E.W. PER DETAIL 5/SD1 & 6/SD1
FT3	7'-0"	7'-0"	42"	30 #6	72"	30 #6 72"	(15) TOP, (15) BOT E.W. PER DETAIL 5/SD1 & 6/SD1

- ### GENERAL FOUNDATION NOTES
- POSTS SHOWN ON THE FOUNDATION PLAN ARE THOSE DIRECTLY CONNECTED TO THE FOUNDATION WITH A BASEPLATE.
 - SLAB REINFORCEMENT SHALL BE PROVIDED EACH WAY, AS INDICATED ON THE PLANS, IN THE MIDDLE THIRD OF SLAB.
 - CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL MEASUREMENTS AGAINST THE ARCHITECTURAL PLAN SET. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE EOR AND DESIGNER BEFORE FORMING AND/OR POURING CONCRETE.

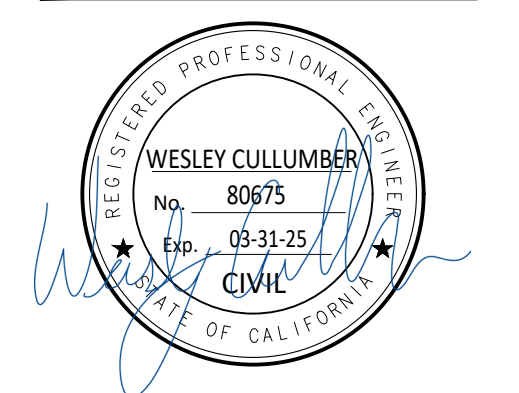
- ### FOUNDATION LEGEND
- (E) STEMWALL AND FOOTING - TO REMAIN
 - (N) FOOTING - SEE FOOTING SCHEDULE FOR DIMENSIONS AND REINFORCEMENT.
 - POST - SEE IN VIEW FOR POST SIZE AND TYPE.

916-251-9788 | WWW.WCDASSOCIATES.COM
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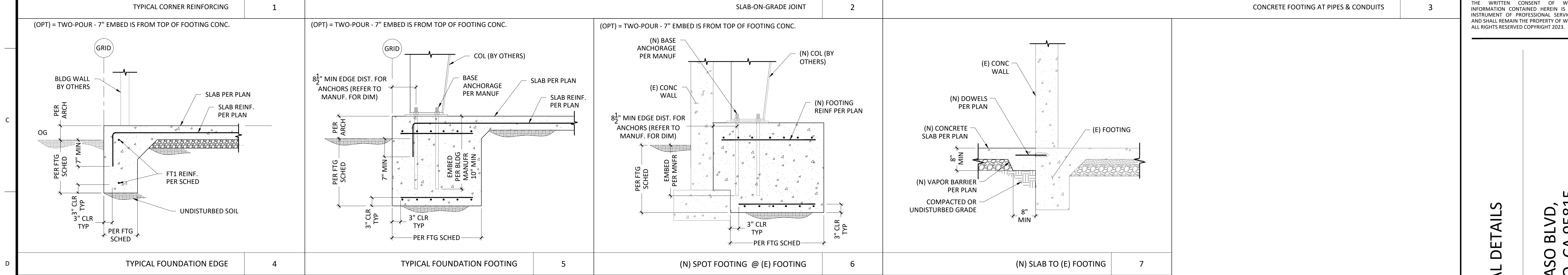
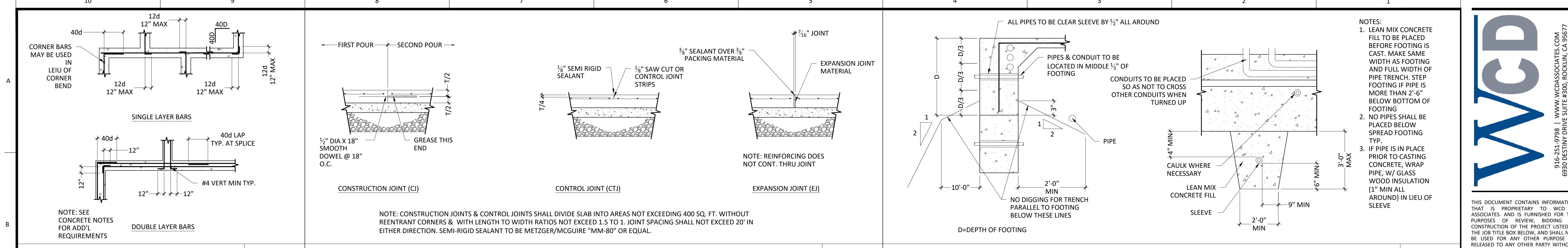
ADDRESS: 1430 DEL PASO BLVD, SACRAMENTO, CA 95815



NO.	REVISIONS

SCALE: AS NOTED
DATE: 3/30/2023
DESIGNED BY: T.HAMEL
DRAWN BY: M.LAMONT
REVIEWED BY: W.CULLUMBER
JOB NO: CR102121
SHEET NO.

S1.0

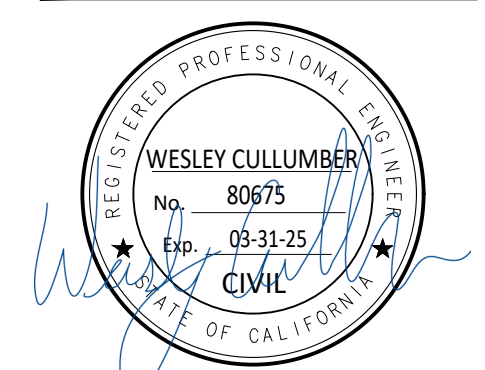


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STRUCTURAL DETAILS
 1430 DEL PASO BLVD,
 SACRAMENTO, CA 95815

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 ADDRESS:



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