	4024 Coleman Ave, San Diego, CA, 92110 TEL.: (+1 (646) 971-755	
CAD DRAFTERS 4024 Coleman Ave, San Diego, CA, 92110 MASONRY SHOP DRAWINGS	CAD DRAFTE	E RS
CAD DRAFTERS	SHS ONRY SHOP DRAWINGS MASONRY SHOP DRAWINGS BS-QNS-2 UPGRADE OF LITTLE NECK, LINDEN PLACE, AND PARK DRIVE EAST PUMPING STATIONS LITTLE NECK STATION MASONRY SHOP DRAWINGS	O/25 A WING VER



LINTEL REINFORCEMENT SEE SCHEDULE

BLOK-LOK PTA-422 (GALV.) @ 32" O.C.

3 COURSE BOND BEAM MINIMUM

U/S OF BEAM

OPENING

OPENING

BEARING SEE SCHEDULE (TYP.)

FOR ADDITIONAL VERTICAL BARS AT OPENINGS SEE LINTEL SCHEDULE

T.O. FIN. FLOOR

#4 VERT. REINF. @ 42" O.C. DOWELS ANCHORED MIN. 6" INTO CONC. BEAM/FOOTING W/ HILTI HIT-HY 200 OR EQ.

ADHESIVE FOR BONDING (HILTI HIT-HY 200 OR EQ.)

NO CONCENTRATED LOADS ALLOWED ABOVE OPENINGS FOR MAIN HORIZ. & VERT. WALL REINF. SEE MASONRY NOTES

ELEVATION

TYPICAL MASONRY REINFORCEMENT ELEVATION, LINTEL SCHEDULE AND DETAILS

FILL SOLID

DOWEL

GROUT (E) CMU WALL

FULLY GROUTED BLOCK WALL

STAINLESS STEEL C8x11.5 ANCHORE TO EXIST. CMU WALL W/ HILTI HIT-HY

1 COURSE

200 (OAE) PER MFR REC.

#4 BAR AT 16" O.C. FILL SOLID

DOWEL

PROVIDE HOOP RODS @ EVERY

OTHER COURSE & SECURE TO

CHANNEL

FOR REINF. 2 COURSE

TYP. EXTERIOR BLOCK WALL CORNER & END WALL @ EXISTING

FILL SOLID

C.M.U BLOCK

DOWEL

DA1-LINTEL DETAIL

3 COURSE

FOOTINGS DETAILS BY OTHERS

8" CMU WALL

BLOCK LINTEL SCHEDULE						
SPAN	LINTEL SIZE	REINFORCEMENT	BEARING	VERT. REINF.		
UP TO 4'	1 COURSE	(2)#4 BOT.	0'-8"	(1)-#4		
4' TO 8'	2 COURSE	(2)#4 BOT. (1)#4 TOP	1'-4"	(2)-#4		
8'-12'	3 COURSE	(3)#4 BOT. (2)#4 TOP	2'-0"	(3)-#4		

FOOTINGS DETAILS BY OTHERS FOOTINGS DETAILS

FOOTINGS DETAILS

GENERAL NOTES

1. READ STRUCTURAL DRAWINGS IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND CIVIL DRAWINGS AND OTHER CONTRACT DOCUMENTS.

2. REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR EXACT LOCATION OF PITS, DEPRESSIONS, TRENCHES AND ROOF MOUNTED OR SUSPENDED UNITS.

3. DO NOT IMPOSE CONSTRUCTION LOADS ON THE STRUCTURE IN EXCESS OF THE DESIGN LOADS.

4. REFER TO SPECIFICATIONS FOR CONSTRUCTION AND MATERIAL REQUIREMENTS.

5. CONTRACTOR SHALL CONFIRM ALL DIMENSIONS

6. ALL MASONRY WORK SHALL CONFORM TO THE 2022 NYC BUILDING CODE, TMS 402/602-22 "BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES," AND ALL APPLICABLE ASTM STANDARDS.

7. ALL CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90, NORMAL WEIGHT, MINIMUM NET AREA COMPRESSIVE STRENGTH 2,200 PSI.

8. PROVIDE HEAVY DUTY TRUSS-TYPE HORIZONTAL JOINT REINFORCING @ 16" O.C. HORIZ. OR AS SPECIFIED.

9. ALL GROUT SHALL CONFORM TO ASTM C476, MINIMUM 28-DAY COMPRESSIVE STRENGTH 3,000 PSI, MAXIMUM AGGREGATE SIZE 3/8", SLUMP 5"-6".

10. ALL MORTAR JOINTS TO BE 3/8" NOMINAL THICKNESS.

11. ALL MASONRY MORTAR SHALL BE TYPE S, ASTM C270.

12. MASONRY WALLS TO BE REINFORCED AS SHOWN ON THE DRAWINGS AND WITH MINIMUMS NOTED. SEE "REINFORCED CONCRETE NOTES" FOR REBAR

13. PLACE MASONRY UNITS IN RUNNING BOND UNLESS NOTED OTHERWISE. USE FACE SHELL BEDDING, EXCEPT FIRST COURSE AND CELLS TO BE GROUTED SHALL USE FULL BEDDING.

14. ALL LINTELS, BOND BEAMS, AND PILASTERS SHALL BE FILLED WITH CONCRETE CONFORMING TO ASTM C94, 28-DAY COMPRESSIVE STRENGTH 3,000 PSI.

15. GROUT LIFTS NOT TO EXCEED 4'-0", AND SHALL BE CONSOLIDATED BY RODDING OR VIBRATION. PROVIDE CLEANOUTS WHEN POUR HEIGHT EXCEEDS 4'-0". MAXIMUM SINGLE POUR HEIGHT: 8'-0".

16. UNLESS NOTED OTHERWISE ON THE DRAWINGS, MINIMUM WALL REINFORCEMENT SHALL CONSIST OF:

A. HORIZONTAL JOINT REINFORCING: 9 GAUGE TRUSS-TYPE, ASTM A951. LAP MIN. 8", STAGGER LAPS MIN. 32" FROM COURSE TO COURSE. LADDER-TYPE PERMITTED ONLY WITH ENGINEER APPROVAL AND EQUIVALENT CROSS-SECTIONAL AREA. DO NOT CROSS CONTROL OR EXPANSION JOINTS. CONTINUE JOINT REINFORCING THROUGH CORNERS & INTERSECTIONS WITH PREFABRICATED "L" & "T" PIECES.

B. HORIZONTAL BAR REINFORCING: ASTM A615, GRADE 60. PROVIDE CONTINUOUS REINFORCED BOND BEAMS @ MAX. 4'-0" O.C. BOND BEAMS TO BE SPECIAL UNITS. MINIMUM (2) #4 CONT. BARS EACH BOND BEAM. CONTINUE THROUGH CORNERS, INTERSECTIONS, & CONTROL JOINTS BUT NOT EXPANSION JOINTS.

C. VERTICAL BAR REINFORCING: ASTM A615, GRADE 60. PROVIDE #4 VERT. REINF. @ EVERY OTHER CELL (UNO).

D. EXTEND REINF, FULL HEIGHT OF WALL AND ANCHOR INTO BOND BEAMS OR SLABS ABOVE MIN. 8" EMBEDMENT. PROVIDE MATCHING DOWELS FROM FOOTINGS OR SUPPORTS.

17. PROVIDE CONTROL JOINTS @ MAX. 30'-0" O.C. CONTINUE BOND BEAM REINFORCING THROUGH CONTROL JOINTS; CUT ALTERNATE WIRES AT JOINTS.

18. EXTEND ALL NON-LOADBEARING MASONRY WALLS TO FORM A 1" NOMINAL GAP BETWEEN TOP OF WALL AND STRUCTURE ABOVE UNLESS NOTED OTHERWISE. LATERALLY SUPPORT PER DETAILS AND FILL GAP WITH FIRE-STOP OR COMPRESSIBLE MATERIAL.

19. PROVIDE SOLID BLOCK OR FULL GROUT UNDER ALL CONCENTRATED LOAD BEARING POINTS.

20. PROVIDE FULL GROUT AT ALL LOCATIONS WHERE EQUIPMENT, FABRICATIONS, OR UTILITIES FASTEN TO WALLS.

21. PROVIDE TEMPORARY BRACING UNTIL MASONRY IS ANCHORED TO STRUCTURE.

22. BUILD TRUE TO LINE, PLUMB, SQUARE, AND LEVEL; ALIGN VERTICAL JOINTS.

23. MAXIMUM JOINT WIDTH TO BE 1/2". TOOL JOINTS WITH ROUNDED JOINTER UNLESS NOTED OTHERWISE.

24. CUT UNITS WITH MASONRY SAW; BROKEN UNITS NOT ACCEPTABLE.

25. HEAT MATERIALS & PROTECT WORK PER TMS 602 COLD WEATHER PROVISIONS WHEN AIR TEMP. EXPECTED TO FALL BELOW 40°F.

REVISIONS:

CAD DRAFTER

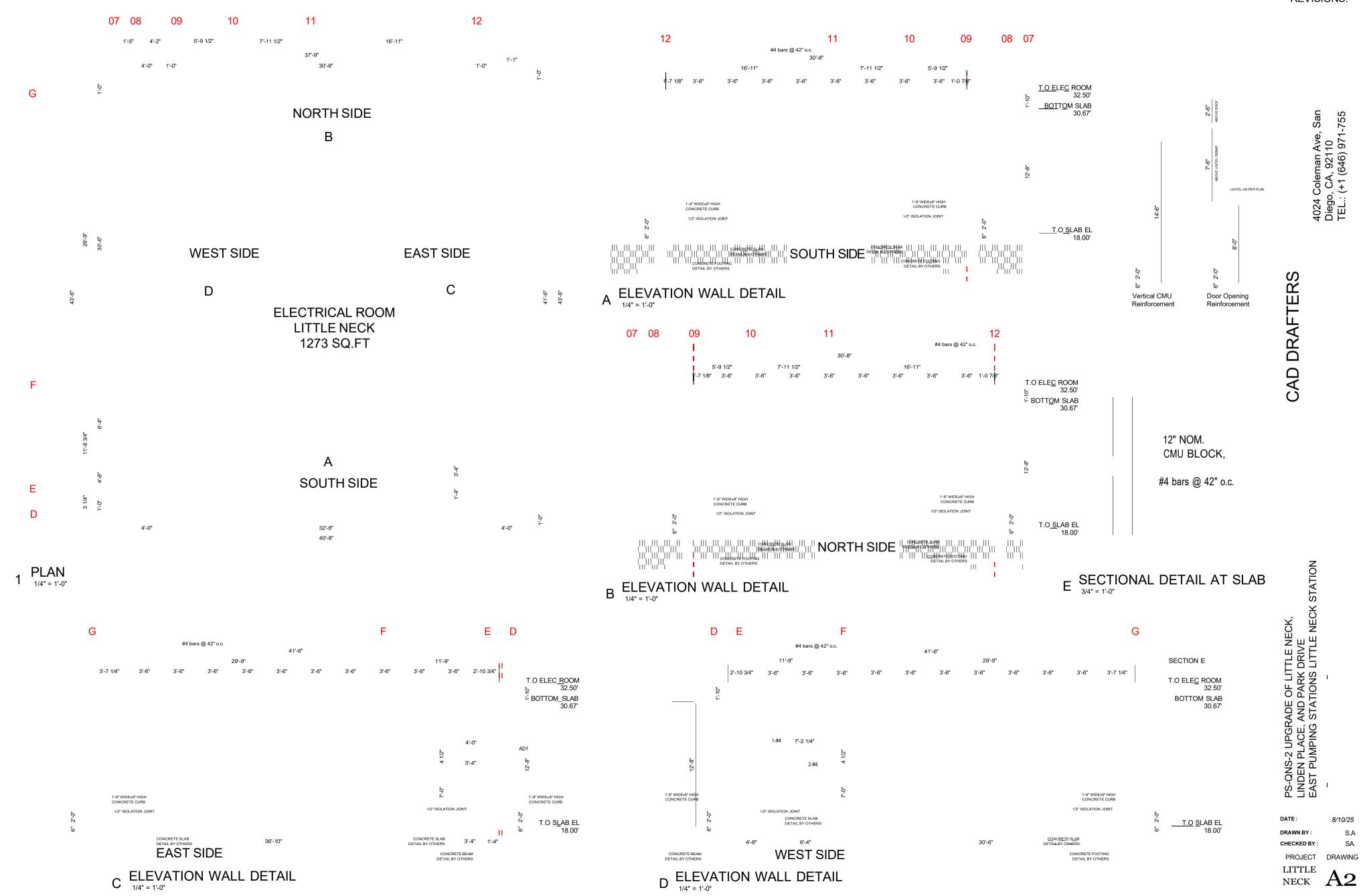
GRADE OF LITTLE NECK, E. AND PARK DRIVE NG STATIONS LITTLE NECK STATION SHOP DRAWINGS VS-2 UF EN PLA PUMP

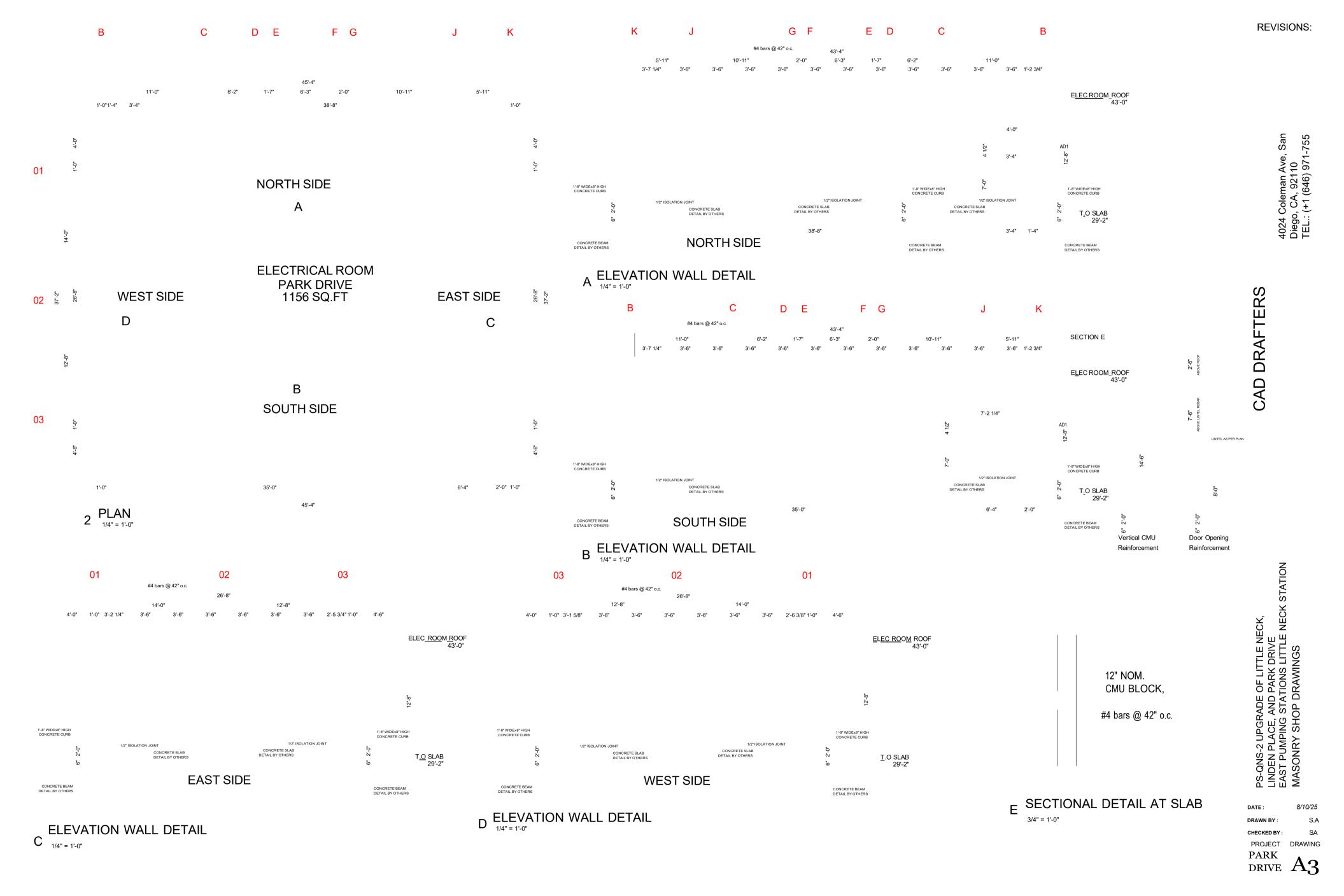
DATE: **CHECKED BY**

PROJECT GENERAL NOTES

DRAWING

8/10/25





DATE: DRAWN BY: CHECKED BY:

8/10/25 PROJECT DRAWING LINDEN PLACE A4

4'-0" DETAIL BY OTHERS 3'-3" 9" 8'-0" 2'-10" 1'-2" 1 ELE.
3/8" = 1'-0" 6'-0" **DETAIL BY** 2'-0" 2'-0" 2'-0" OTHERS 8" WIDEx8" HIGH CONCRETE CURB 8'-0" 2'-0" ... 2'-0" 2'-0" **DETAIL BY** ...9 ...9 OTHERS CONCRETE FOUNDATION

5 ROOF SLAB SECTIONAL DETAIL

8" 2'-10" 1'-2"8"8"

REST ROOM 4'-0" X 6'-0"

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

7

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2'-0"

...

2 ELE. 3/8" = 1'-0"

DETAIL BY OTHERS

8" WIDEx8" HIGH CONCRETE CURB