

REVISIONS:		

4024 Coleman Ave, San  
Diego, CA, 92110  
TEL.: (+1 (646) 971-755

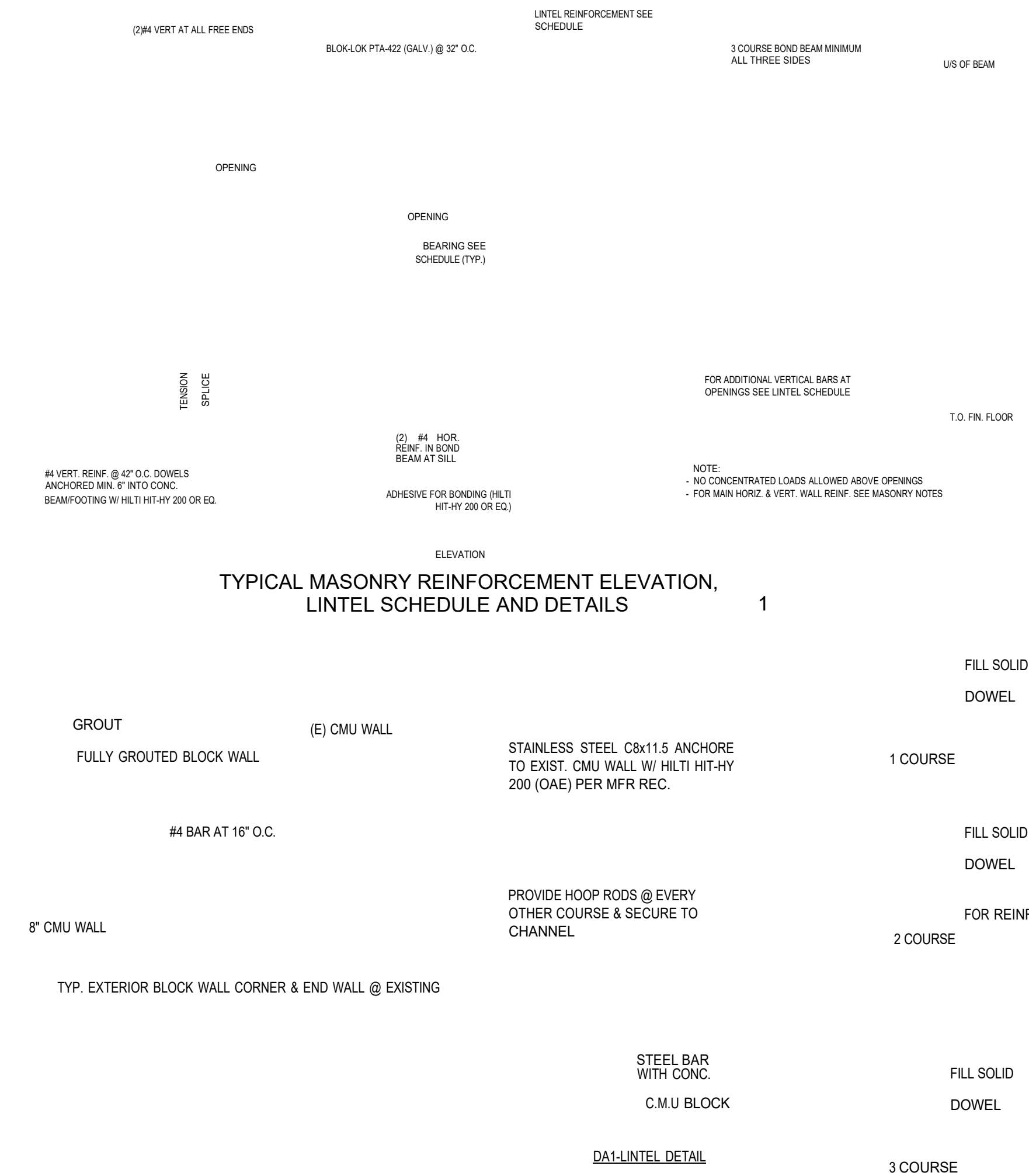


**CAD DRAFTERS**  
4024 Coleman Ave, San Diego, CA, 92110  
MASONRY SHOP DRAWINGS



PS-QNS-2 UPGRADE OF LITTLE NECK,  
LINDEN PLACE, AND PARK DRIVE  
EAST PUMPING STATIONS LITTLE NECK STATION  
**MASONRY SHOP DRAWINGS**

DATE : 8/10/25  
DRAWN BY : S.A  
CHECKED BY : SA  
~~PROJECT~~ DRAWING  
COVER SHEET



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

- 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 SPECIFICATIONS.
  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.

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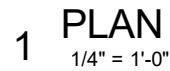
PS-QNS-2 UPGRADE OF LITTLE NECK,  
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EAST PUMPING STATIONS LITTLE NECK STATION  
MASONRY SHOP DRAWINGS

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CHECKED BY : SA  
PROJECT DRAWING  
GENERAL NOTES  
A1

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## A2



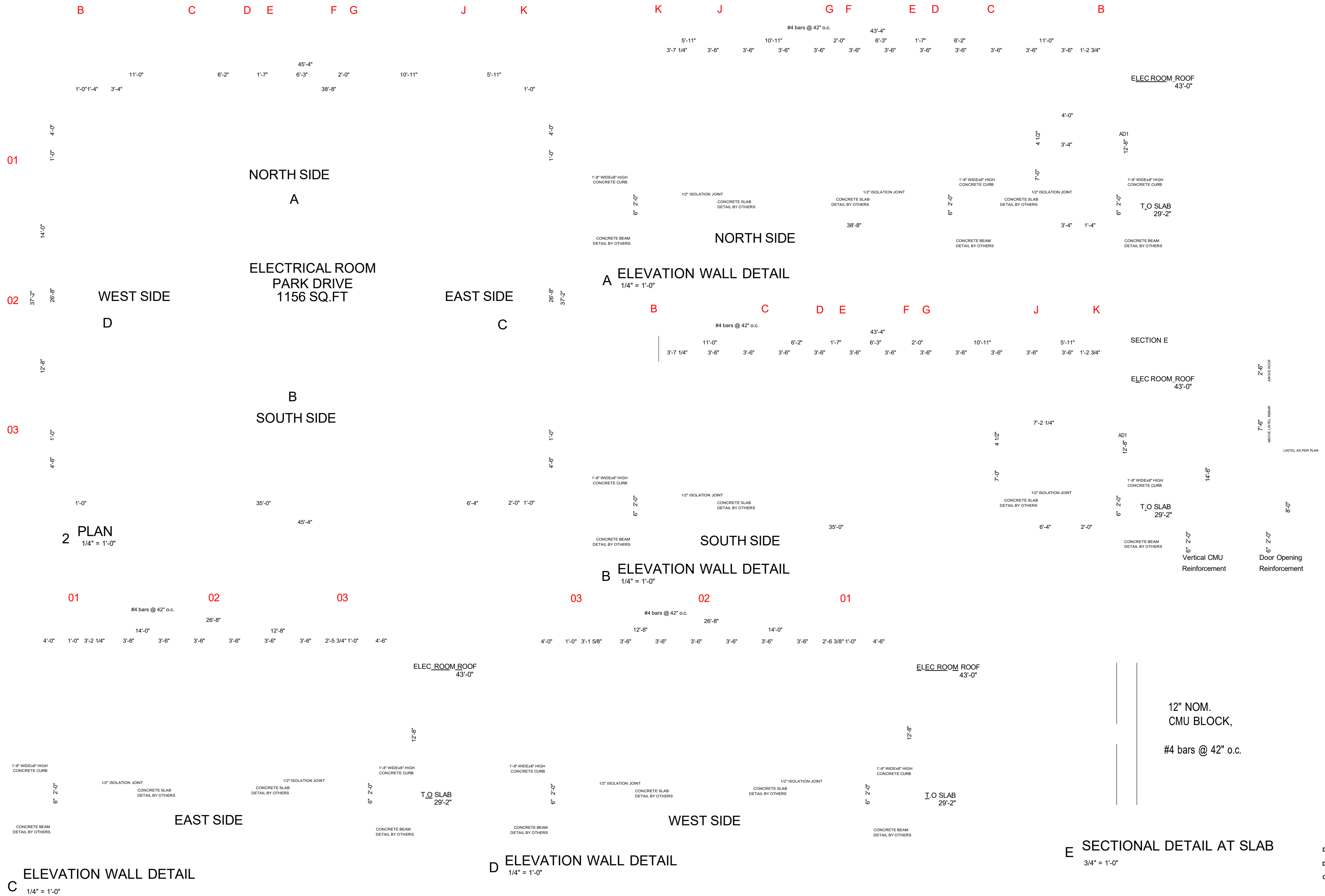
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# CAD DRAFTERS

PS-QINS-2 UPGRADE OF LITTLE NECK;  
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EAST PUMPING STATIONS LITTLE NECK STATION  
MASONRY SHOP DRAWINGS

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PROJECT DRAWING  
PARK  
DRIVE  
A3

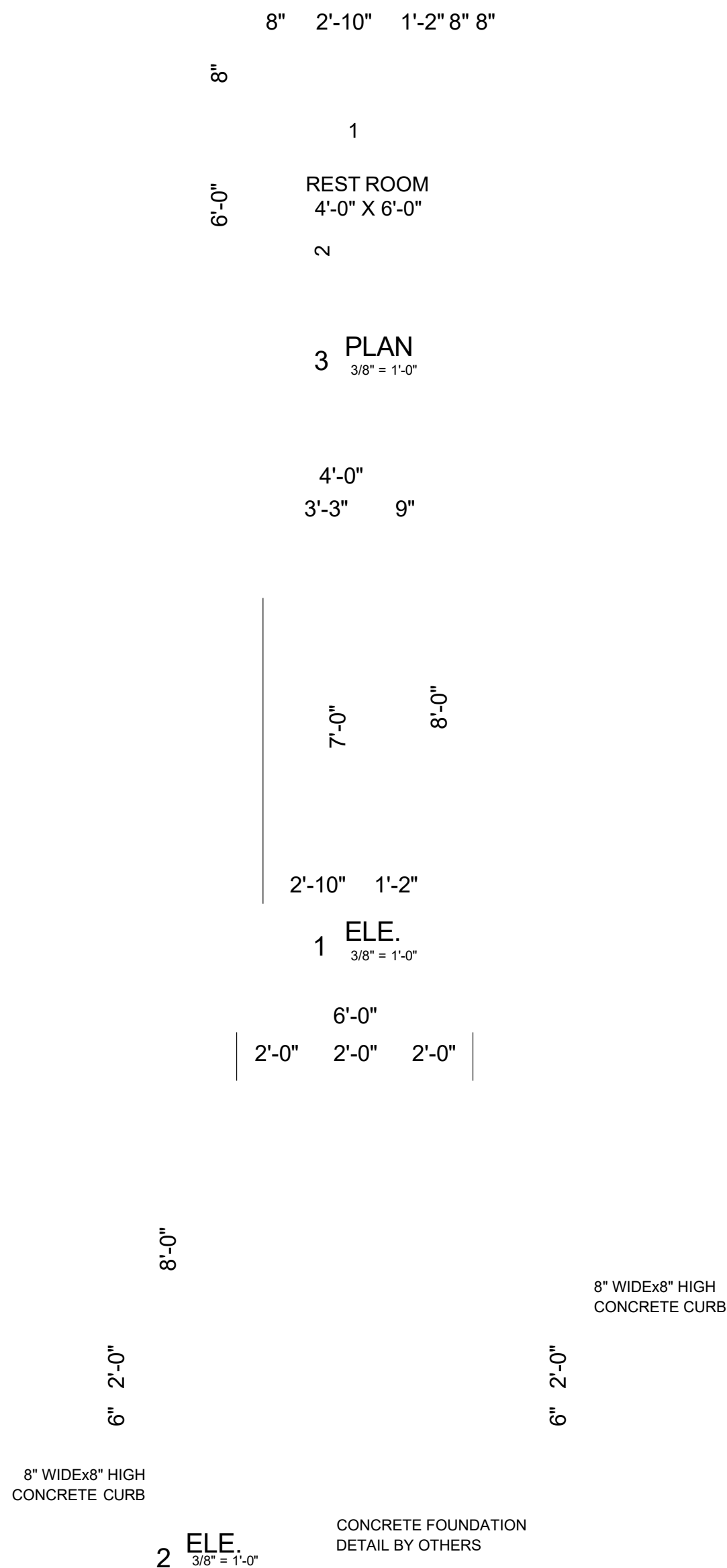


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PROJECT LINDEN DRAWING  
PLACE A4



## DETAIL BY OTHERS

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## 5 ROOF SLAB SECTIONAL DETAIL