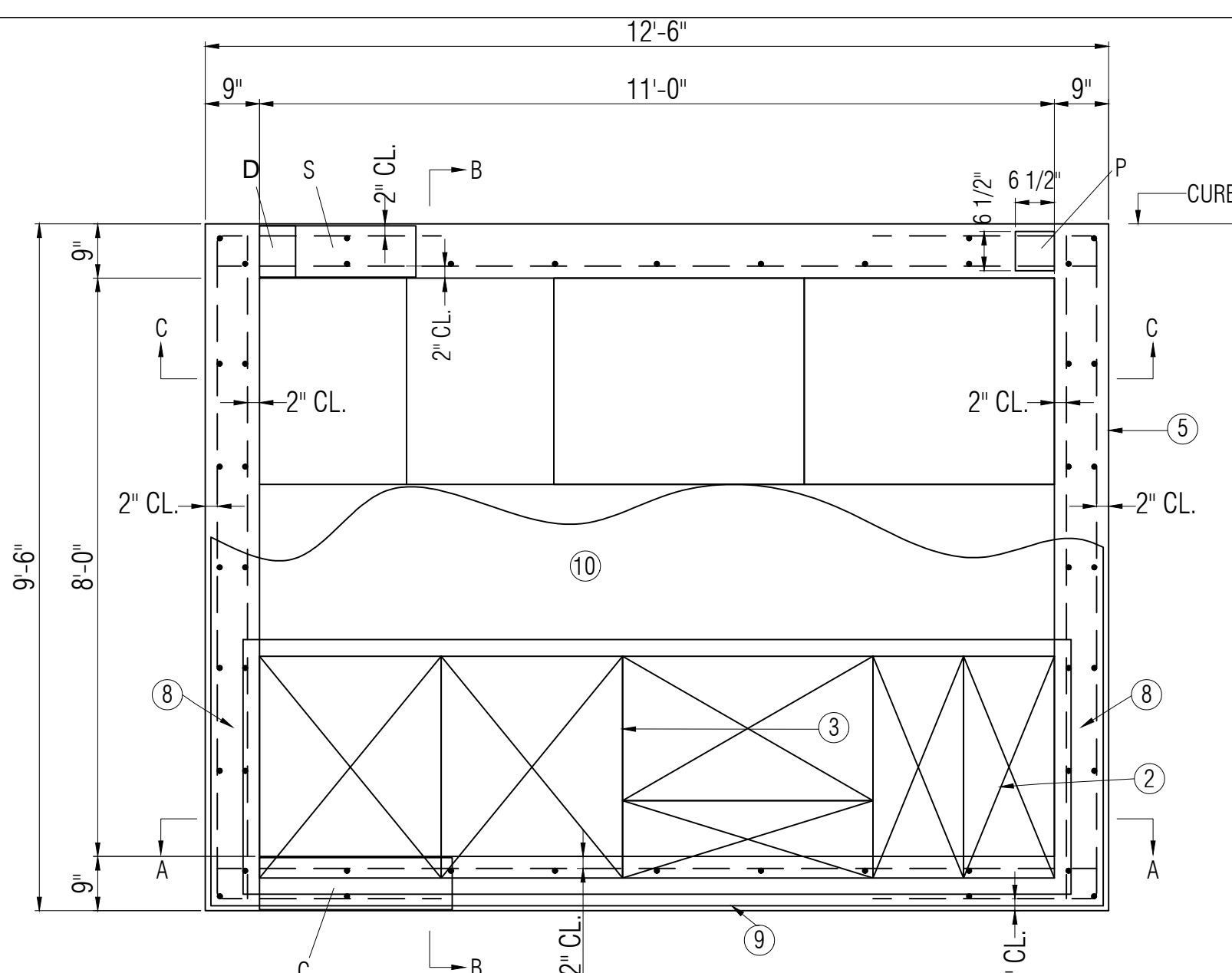
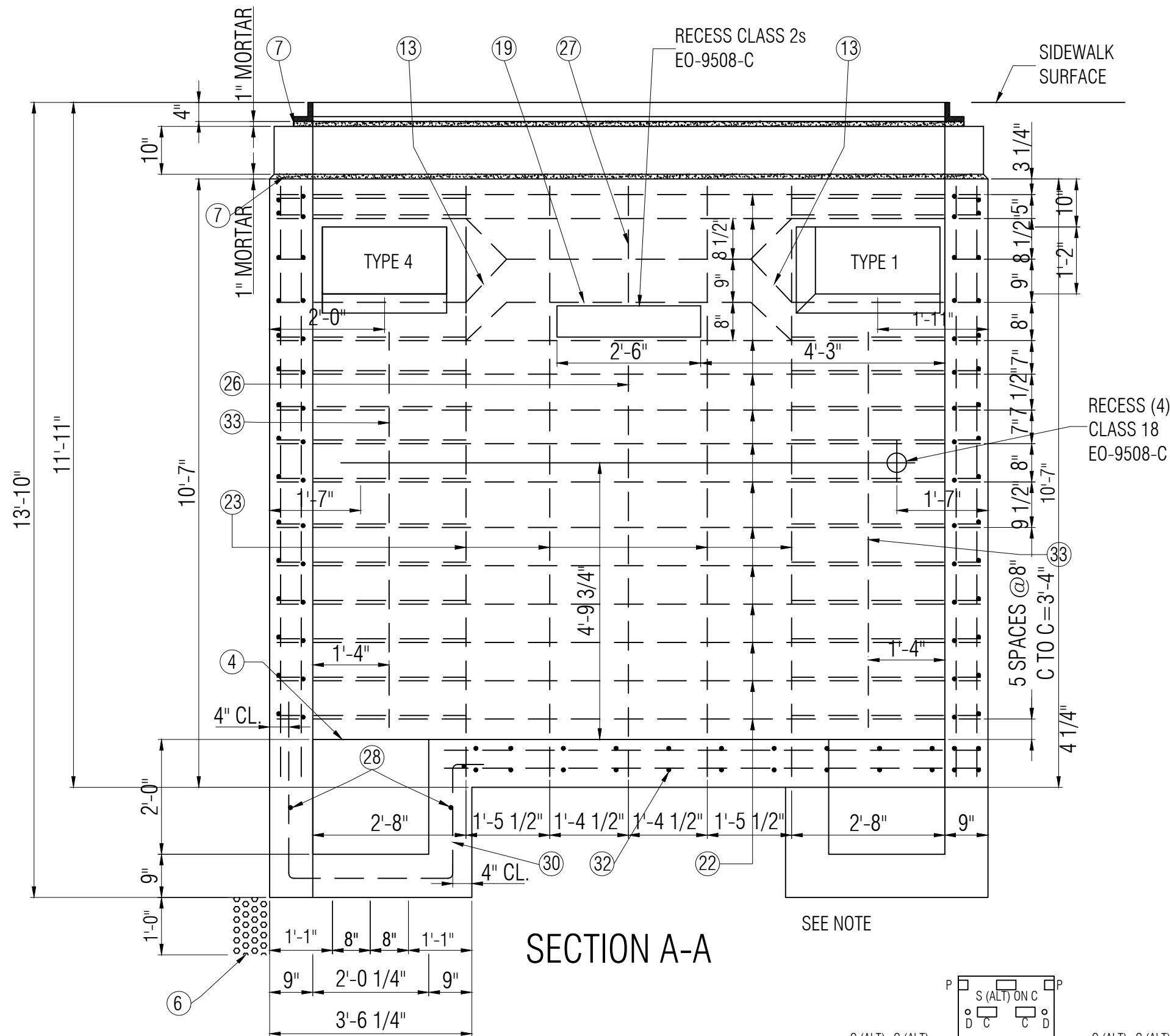


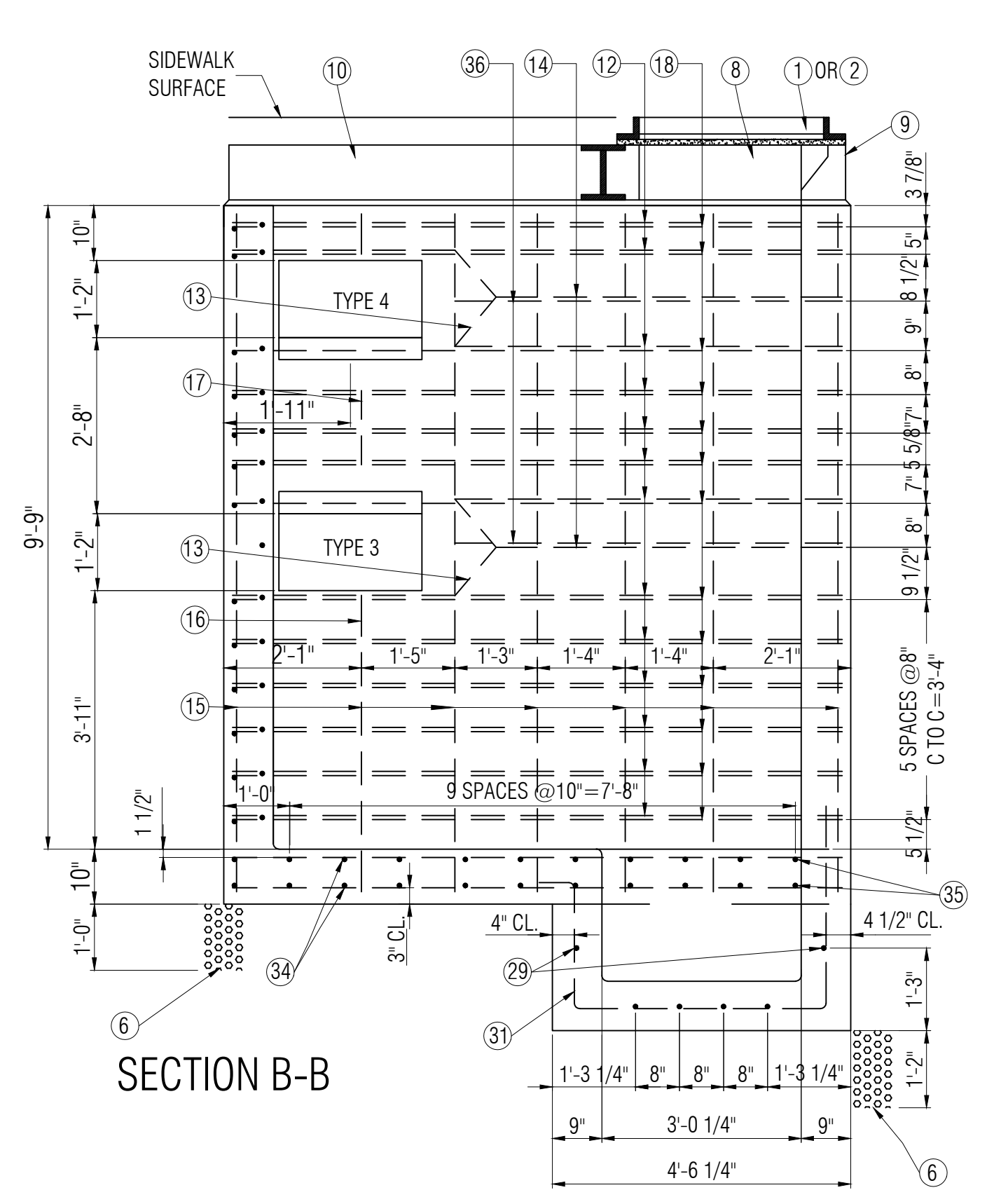
PLAN WITH END DOOR GRATING



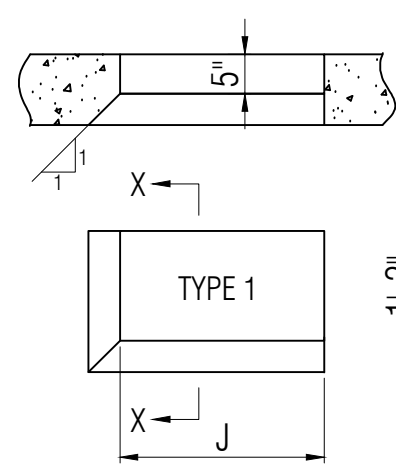
PLAN WITH OFFSET DOOR GRATING



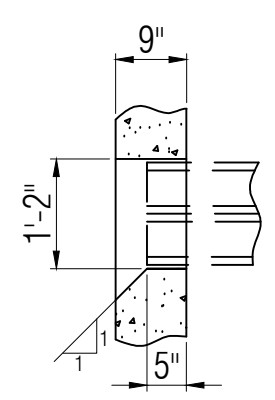
SECTION A-A



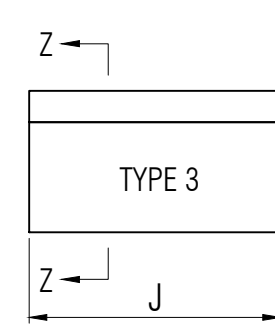
SECTION B-B



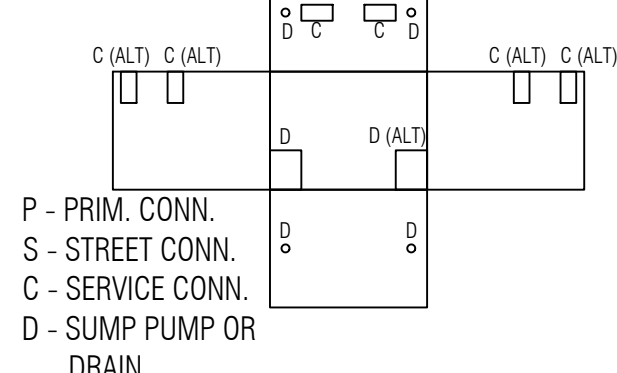
SECTION X-X



SECTION Y-Y



SECTION Z-Z



EXPLODED VIEW

NOTE: PRIMARY, SECONDARY, SERVICE CONNECTION CONDUITS, SUMP AND SUMP CONNECTION HOLES SHALL BE DETERMINED PRIOR TO CONSTRUCTION.

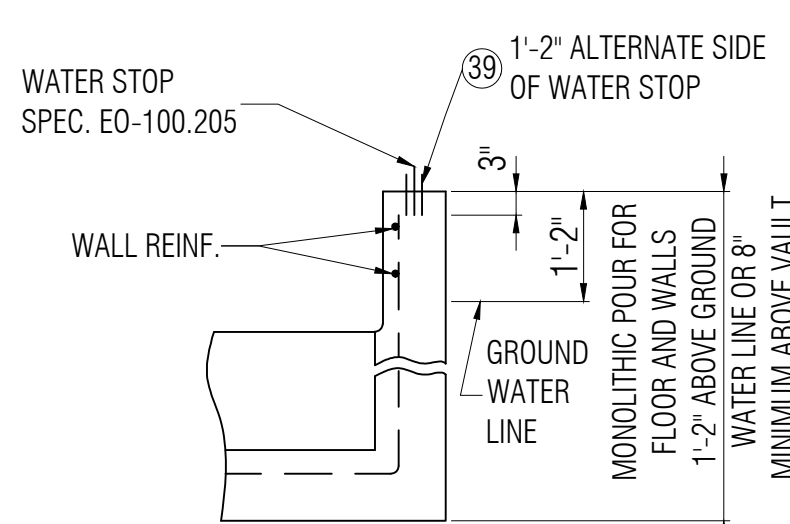
TYPE	J	CONDUIT ENTRY DETAILS
1	2'-2"	STREET 8'-4"
2	2'-2"	STREET 8'-4"
3	2'-8"	STREET 10'-4"
4	2'-8"	STREET 10'-4"

ITEM	LOCATION	SIZE	QUAN.	LENGTH	SHAPE	WEIGHT OF REINF. BARS 1877 APPROX.
39	ALL WALLS AS REQ'D	3	6"	STRAIGHT		
38	SIDE WALLS	5	2	10'-5"	5'-10"	4'-7"
37	SIDE WALLS	3	1	8'-0"	STRAIGHT	
36	END WALLS	5	6	9'-2"	5'-10"	3'-4"
35	FLOOR	5	4	9'-4"	STRAIGHT	
34	FLOOR	5	16	12'-2"	STRAIGHT	
33	FLOOR & SIDE WALLS	5	8	6'-10"	STRAIGHT	
32	FLOOR	5	20	9'-2"	STRAIGHT	
31	SUMP	5	3	8'-6 3/8"	1'-3" 1'-7 3/16" 3'-9 3/4" 2'-10 1/2"	
30	SUMP	5	4	8'-6"	1'-3" 1'-7" 2'-10" 2'-10"	
29	SUMP	5	2	3'-2"	STRAIGHT	
28	SUMP	5	2	2'-6"	STRAIGHT	
27	SIDE WALLS	3	1	1'-11 1/2"	STRAIGHT	
26	SIDE WALLS	3	1	7'-8"	STRAIGHT	
25	SIDE WALLS	3	2	4'-8"	STRAIGHT	
24	SIDE WALLS	3	2	4'-5"	STRAIGHT	
23	SIDE WALLS	3	10	10'-3"	STRAIGHT	
22	SIDE WALLS	5	27	12'-2"	STRAIGHT	
21	SIDE WALLS	5	2	7'-10"	4'-10" / 3'-0"	
20	SIDE WALLS	3	2	10'-5 11/16"	2'-0" / 4"	8'-0"
19	SIDE WALLS	5	2	6'-8"	1'-4" 4'-0" 4'-4"	
18	END WALLS	5	26	15'-9 3/8"	3'-4" 9'-1 3/8" 3'-4"	
17	END WALLS	3	4	1'-11"	STRAIGHT	
16	END WALLS	3	10	4'-8"	STRAIGHT	
15	END WALLS	3	20	10'-3"	STRAIGHT	
14	END WALLS	5	4	6'-3"	1'-1" 5'-2"	
13	END WALLS	5	6	1'-3"	STRAIGHT	
12	END WALLS	5	24	9'-2"	STRAIGHT	

REINFORCEMENT SCHEDULE

ITEM	QUAN.	DESCRIPTION	DWG OR SPEC. NO.
11	AS REQ	FLARED 45° DUST (IF REQUIRED)	EO-9283-C
10	1	PRECAST CONCRETE BLOCK	ITEM 1 EO-9487-B
9	1	PRECAST CONCRETE BLOCK	ITEM 3 EO-9487-B
8	2	PRECAST CONCRETE BLOCK	ITEM 2 EO-9487-B
7	AS REQ	CEMENT MORTAR - 1 CEMENT, 2 SAND & 1 WATER	
6	CONCRETE CLASS II		EO-1008
5	CONCRETE CLASS II		EO-12086-C
4	1	SUMP DETAILS	ITEM 1, 2, 3 & 5
3	1	SAFETY GUARD & LADDER WITH EXTENSION	EO-1511-A
2	1	GRATING ASSEMBLIES & FRAME	EO-9264-B
1	1	GRATING ASSEMBLIES & FRAME	EO-12949-A

BILL OF MATERIAL



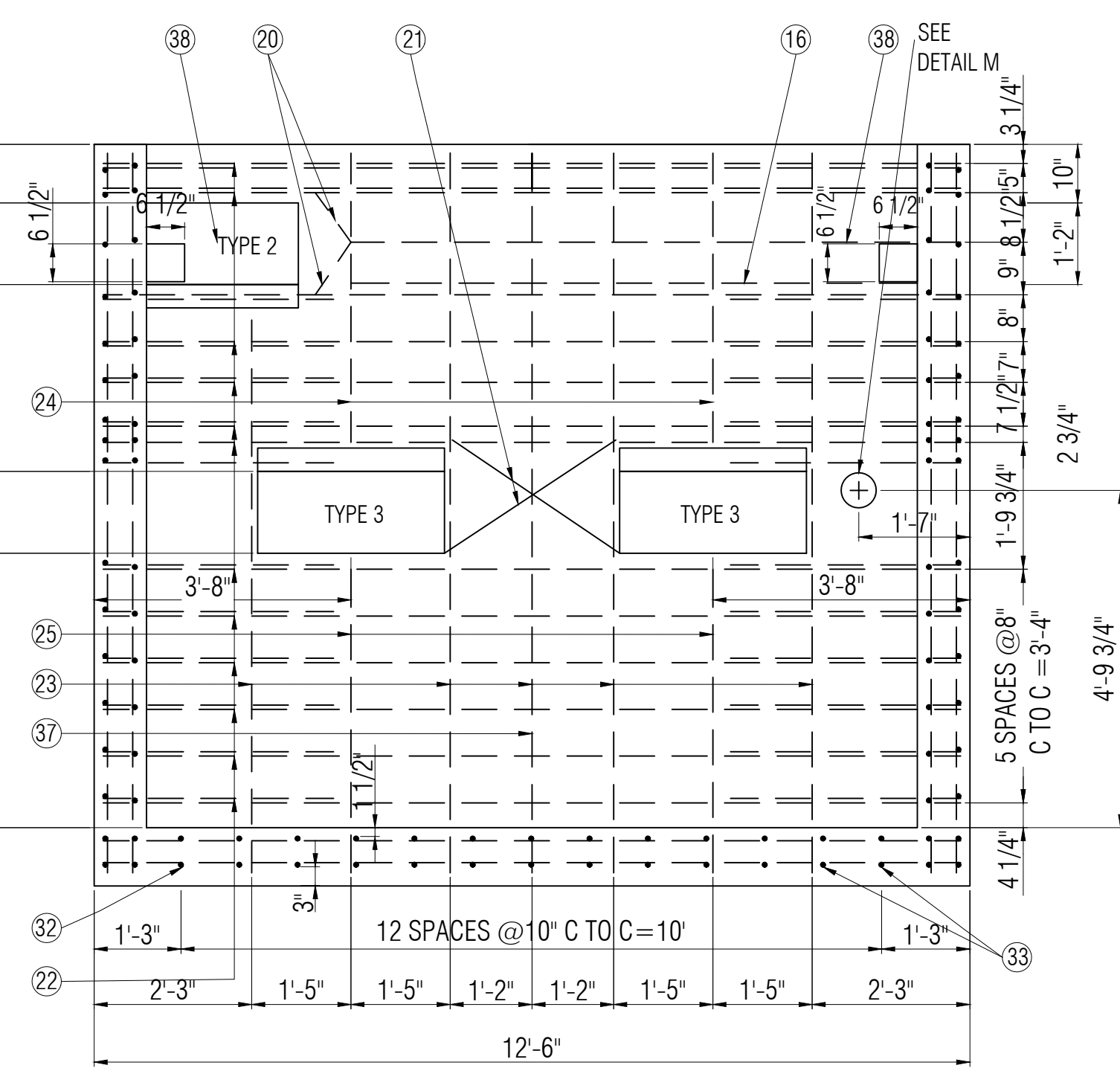
REQUIRED FOR WATER CONDITIONS
DETAIL W

MATERIAL SPECIFICATIONS:

- ALL REINFORCEMENT BARS SHALL BE BILLET STEEL, DEFORMED, SHALL CONFORM TO A.S.T.M. SPEC A-615, GRADE 60.
- ALL STRUCTURAL STEEL SHALL CONFORM TO A.S.T.M. SPEC. A-36 OR A-992 AND HOT DIPPED GALVANIZED PER ASTM 123, UNLESS NOTED OTHERWISE.
- ALL REINFORCEMENT BARS SHALL BE WIRE TIED AT ALL CONTACT POINTS.
- ALL REINFORCEMENT BARS SHALL BE EPOXY-COATED IN ACCORDANCE WITH ASTM A-775.
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH 5000 PSI AT 28 DAYS.

CONSTRUCTION SPECIFICATIONS:

- ALL OCCUPIED CONDUITS TO BE SEALED AS PER EO-1102.
- CRUSHED STONE TO BE OMITTED WHERE NOT NECESSARY.
- ENTIRE VAULT SHALL BE WATERTIGHT. NO TAPED FORM STRAP IS ALLOWED.
- CONCRETE CONSTRUCTION SHALL BE IN TWO (2) POURS-FIRST POUR, FLOOR, SUMP, INSTALL WATER STOP. SEE DETAIL OF WALL JOINT-SECOND POUR, REMAINDER OF WALLS SHOWN.



SECTION C-C

Approved
 Approved As Noted
 By _____ Date _____
 Drawing Verified In English Units Only

REFERENCE DRAWINGS:
 SUMP PUMP INSTALLATION EO-12160-C
 DRAINAGE INSTALLATION AND SUMP PUMP EO-13027-B
 INSTALLATION GUIDE EO-13110-B
 PRECAST ROOF AND ROOF BLOCKS FOR TRANSFORMER VAULT TYPE V-II EO-9487-B

Revisions

No.	Description	Date

ROMAN STONE CONSTRUCTION CO.

85 SOUTH FOURTH STREET
 BAYSHORE N.Y. 11706 (631) 667-0566
 DRG. NO. & DESCRIPTION:
 WORKING DRAWINGS
 Product: FIELD CONSTRUCTED TRANSFORMER VAULT
 TYPE V-II 11'-0"x8'-0"x9'-9"
 Contract#:
 Contractor:
 Item#:
 Reference Contract Dwg.#:
 SCALE DATE DRAWN BY CHECKED BY PAGE
 SEE DWG. 03/30/2017 KL MS 1