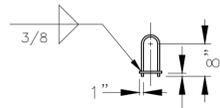


REVISIONS

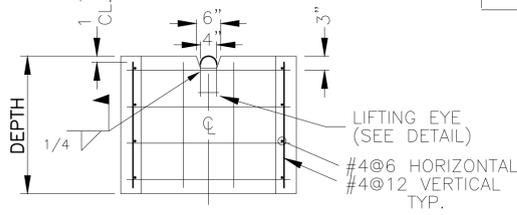
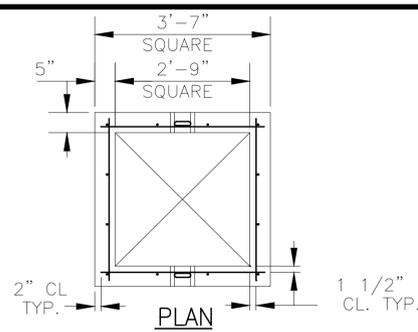
LUIS ORTEGA 4/14/92	10	REDRAWN TO CADAM. REDESIGNED PRECAST CONCRETE COLLAR AND FIELD-CONSTRUCTED CHIMNEYS. UPDATED BILL OF MATERIAL AND INFORMATION.
G.K. 4-9-92 JP		
LUIS ORTEGA 10/22/97	11	REDRAWN TO AUTOCAD. CHANGED MINIMUM COVER FOR NEW CONSTRUCTION TO 14". (METHOD 2)
AR 10/22/97		
W. TSANG	12	•UPDATED CONCRETE STRENGTH TO 5000 PSI IN NOTE 7. •REVISED CLASS & STOCK # IN NOTE 9. •REMOVED FIELD CONST. CHIMNEY METHODS 5, 6 & 7.
D.E.	6/14/17	

1 2 3 PRECAST CONCRETE GRADING BLOCKS

ITEM	'A'	'B'	STOCK NO
1	2"	8"	-
2	3"	8"	-
3	5"	24"	002-1626



LIFTING EYE DETAIL
EO-7841-C, ITEM 8 MOD.
MODIFIED FOR USE WITH ITEM 4, 5& 6

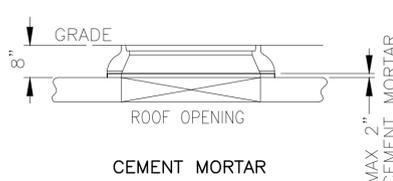


4 5 6 PRECAST CONCRETE COLLAR

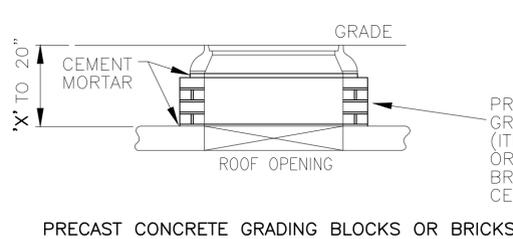
BILL OF MATERIAL			
DEPTH	ITEM	QUANTITY	DESCRIPTION
12"	4	8	#4 HORIZONTAL REBAR 3'-3" LG.
		12	#4 VERTICAL REBAR 0'-9" LG.
		0.2 CU. YD.	CONCRETE SPEC. EO-1008, CLASS I
1'-6"	5	2	LIFTING EYE-MODIFIED SEE DETAIL
		12	#4 HORIZONTAL REBAR 3'-3" LG.
		12	#4 VERTICAL REBAR 1'-3" LG.
2'-0"	6	0.3 CU. YD.	CONCRETE SPEC. EO-1008, CLASS I
		2	LIFTING EYE-MODIFIED SEE DETAIL
		16	#4 HORIZONTAL REBAR 3'-3" LG.
		12	#4 VERTICAL REBAR 1'-9" LG.
		0.4 CU. YD.	CONCRETE SPEC. EO-1008, CLASS I
		2	LIFTING EYE MODIFIED SEE DETAIL

APPROXIMATE WEIGHT IN POUNDS			
ITEM	REINF.BARS	TOTAL WEIGHT	STOCK NO.
4	24	797	002-1998
5	37	1,187	002-1568
6	50	1,588	-

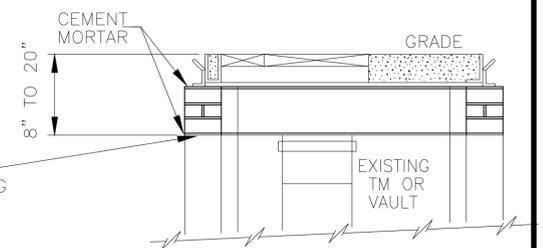
METHODS



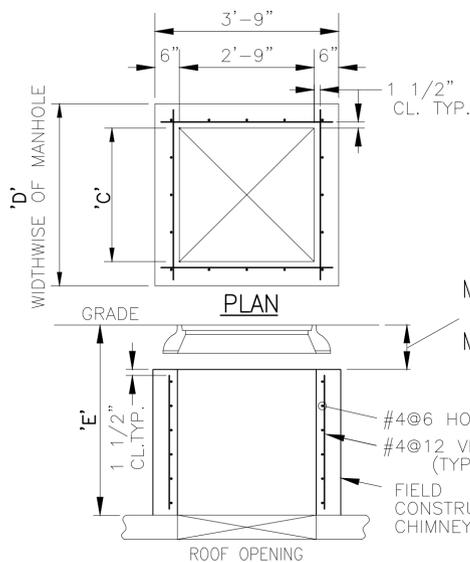
METHOD 1 (NO COLLAR)
NOT FOR NEW CONSTRUCTION
REPLACEMENT PURPOSES ONLY



METHOD 2
REPLACEMENT PURPOSES 'X' = 8"
NEW CONSTRUCTION 'X' = 14"

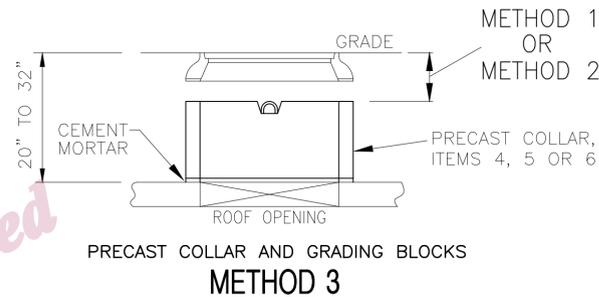


METHOD 2
(FOR VAULT ROOF SLABS)
INSTALLATION OF VAULT OR
TRANSFORMER MANHOLE ROOF
SLABS WITH GRADING BLOCKS
OR BRICKS TO OBTAIN GRADE.



METHOD	'C'	'D'	'E'
4	2'-9"	3'-9"	2'-8" TO 4'-0"

METHOD 4
FIELD CONSTRUCTED CHIMNEY



METHOD 3
PRECAST COLLAR AND GRADING BLOCKS

SPECIFICATIONS:

1. ALL REINFORCING BARS SHALL BE BILLET STEEL, DEFORMED, CONFORMING TO ASTM A-615, GRADE-60.
2. REINFORCING BARS SHALL BE EPOXY COATED IN ACCORDANCE WITH ASTM A 775.
3. REINFORCING BARS SHALL BE WIRED TIED AT ALL CONTACT POINTS WITH PLASTIC COATED TIE WIRE.
4. REINFORCEMENT SUPPORTED FROM FORMWORK SHALL REST ON COATED WIRE BAR SUPPORTS.
5. EPOXY COATING DAMAGED AS A RESULT OF HANDLING OR CUTTING OF REBARS SHALL BE REPAIRED WITH PATCHING MATERIAL CONFORMING TO ASTM A 775.
6. ALL REINFORCING BARS SHALL HAVE 1 1/2" MINIMUM OF CONCRETE PROTECTION, UNLESS OTHERWISE NOTED.
7. BOTH CAST-IN-PLACE AND PRECAST CONCRETE SHALL BE CLASS I (F_c=5000 PSI) AS PER EO-1008.
8. NO. 1 COMMON RED BRICK (STK 000-0372) MUST MEET ASTM DESIGNATION C62 (GRADE SW).
9. CEMENT MORTAR MUST MEET EO-100,167 (STK# 000-0802)

INSTALLATION NOTES:

1. FOLLOW METHOD 1 THRU 4 TO SET CASTING OVER MANHOLE ROOF OPENING OR CHIMNEY.
2. FOLLOW METHOD 2 (FOR VAULT ROOF SLABS) TO SET STEEL TYPE S FRAME OVER TMs OR VAULTS.

REF. SPECS.

EO-1092.....INSTALLATION OF FRAMES AND/OR CASTINGS OVER ELECTRIC DISTRIBUTION STRUCTS. IN ROADWAY.

THIS DWG SUPERSEDES EO-2725-G, EO-2974-C AND EO-9908-G

CHIMNEYS, COLLARS AND GRADING BLOCKS FOR MANHOLES & VAULTS CONSTRUCTION AND INSTALLATION

CONSOLIDATED EDISON COMPANY OF N.Y., INC.
DISTRIBUTION ENGINEERING DEPT

DATE	6-21-61	DWG. NO.	EO-10321-B	REV.	12
LAST REV.	6/14/17				

DRAWN BY	M. SOBCHAK	DATE	2-9-67	CHECKED BY	J. FERNANDEZ	DATE	4-4-67
DISCIPLINE CODE	TE	SCALE	NONE				
APPROVED	E.G. WATKINS		4-24-67				
ENG. SECT. MANAGER							