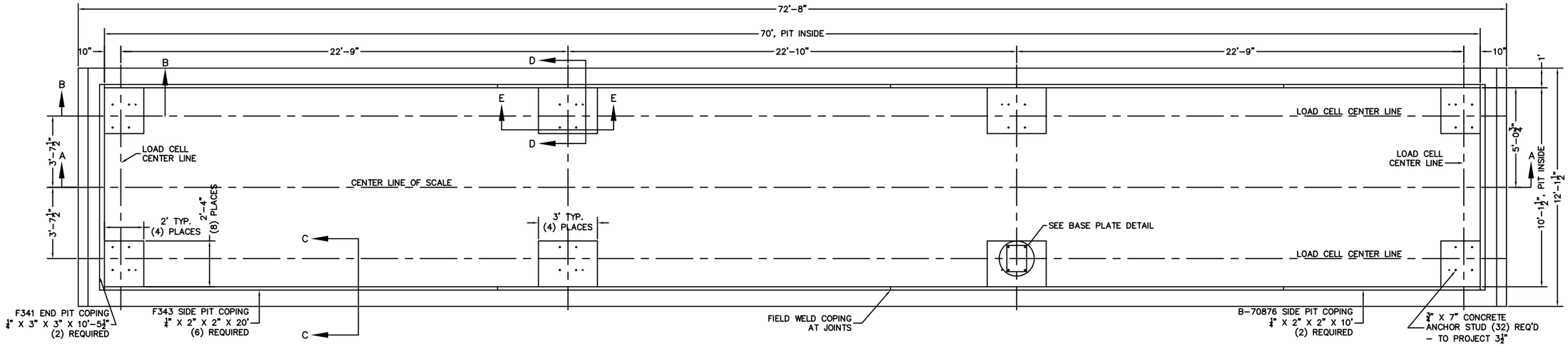
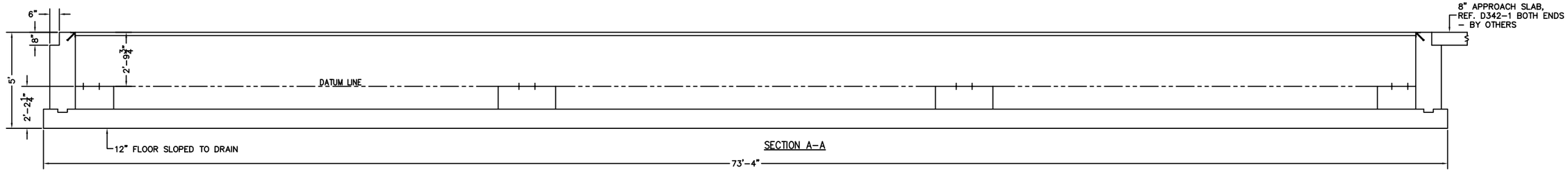
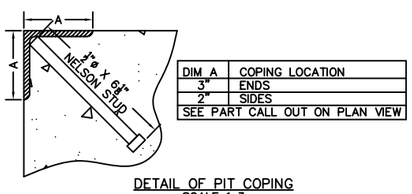
PRELIMINARY NOT FOR CONSTRUCTION





SECTION A–A



DIM A	COPING LOCATION
3"	ENDS
2"	SIDES
SEE PART CALL OUT ON PLAN VIEW	

DETAIL OF PIT COPING
SCALE 1:3

TYPE 1	TYPE 2	TYPE 3
A	A, B	A, B, C

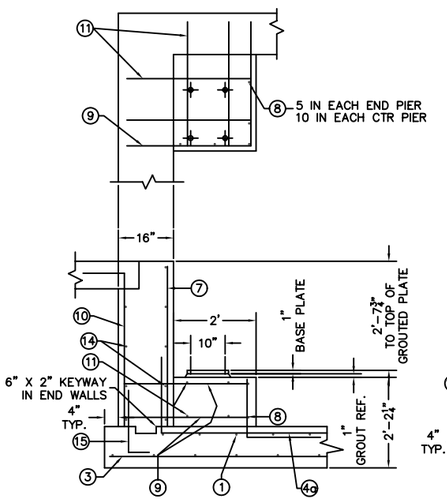
REINFORCING ROD SCHEDULE 44–10070

ITEM	QTY	SPACING	SIZE	LENGTH FT	LENGTH IN.	DESCRIPTION TYPE	A	B	C	WEIGHT LBS
1	71	12	#6	16	02	3	10'-6"	2'-10"	2'-10"	1724
2	73	12	#5	12	04	1	12'-4"			939
3	39	12	#5	25	09	1	25'-9"			1048
4	11	12	#6	25	03	1	25'-3"			417
4a	22	12	#6	27	03	2	25'-3"	2'-0"		901
5	60	12	#4	24	08	1	24'-8"			989
6	72	24	#4	3	10	1	3'-10"			184
7	168	12	#4	3	10	1	3'-10"			430
8	60	12	#6	3	04	2	2'-0"	1'-4"		300
9	8	12	#6	6	00	2	3'-0"	3'-0"		72
10	24	12	#4	4	09	2	3"-9"	1'-0"		76
11	32	12	#4	3	00	1	3'-0"			64
12	8	12	#6	8	09	3	2'-9"	3'-0"	3'-0"	105
13	16	12	#6	3	00	1	3'-0"			72
14	18	12	#4	11	10	1	11'-10"			142
15	168	12	#4	3	04	2	2'-10"	0'-6"		374
16	16	12	#4	2	09	1	2'-9"			29
									TOTAL	7866

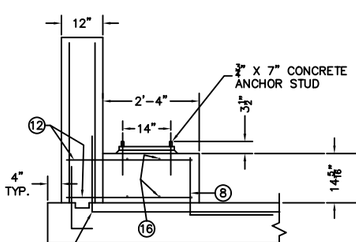
REBAR = 7866 LBS
EXCAVATION = 174 CU. YDS.
CONCRETE = 63 CU. YDS.

MIN OVERLAP 20" FOR ITEM 5
MIN OVERLAP 26" FOR ITEM 3
MIN OVERLAP 31" ON ITEMS 4 & 4a

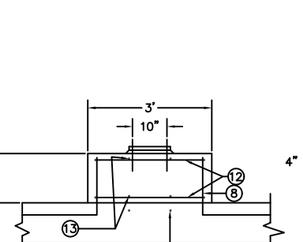
NOTE:
REROD SPACING IS APPROXIMATE. PLACE AS REQUIRED TO CLEAR ANCHOR BOLTS, ETC.



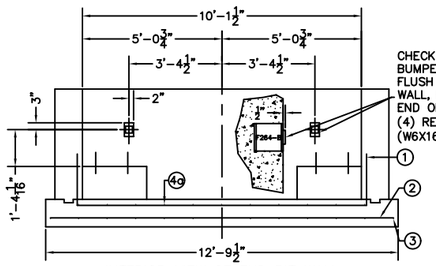
SECTION B–B (END WALL)
SCALE 1:20



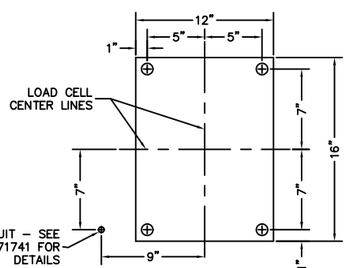
SECTION D–D (SIDE WALL)
SCALE 1:20



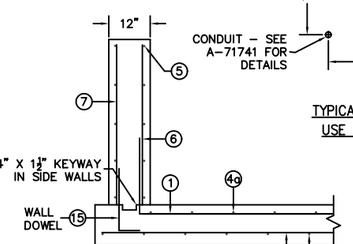
SECTION E–E
SCALE 1:20



INTERIOR VIEW OF END PIT WALL



TYPICAL LOAD CELL BASE PLATE DETAIL
USE PLATES FOR TRANSFER DRILLING
SCALE: 1:6



SECTION C–C (SIDE WALL)
SCALE 1:20

NOTES:

FOR COMMERCIAL SCALES CHECK WITH LOCAL WEIGHTS AND MEASURES OFFICIALS BEFORE STARTING CONSTRUCTION. NATIONAL BUREAU OF STANDARDS HANDBOOK 44 REQUIRES:
A.) A STRAIGHT APROACH OF AT LEAST ONE–HALF THE LENGTH OF THE PLATFORM.
B.) NOT LESS THAN 10 FEET OF APPROACH ADJACENT TO THE PLATFORM TO BE CONSTRUCTED OF CONCRETE OR SIMILAR DURABLE MATERIAL AND BE LEVEL AND IN THE SAME PLANE AS THE PLATFORM.

FOR NON COMMERCIAL SCALES PROVIDE AN APPROACH OF 2 FEET MINIMUM LENGTH WHICH IS LEVEL AND IN THE SAME PLANE AS THE PLATFORM.

CHECK WITH THE PROPER REGULATORY AUTHORITIES AS TO ANY SPECIAL STATE OR OTHER REGULATORY REQUIREMENTS REGARDING PIT DEPTHS. PIT CONSTRUCTION AND APPROACH DIMENSIONS WHICH MIGHT AFFECT INSTALLATION ARE SHOWN. EMERY WINSLOW WILL ASSUME NO RESPONSIILITY FOR CHANGES NECESSITATED BY ANY STATE OR ANY OTHER REGULATORY REQUIREMENTS AS TO INSTALLATION OF OUR SCALES.

EMERY WINSLOW SCALE COMPANY WILL NOT BE RESPONSIBLE FOR THE STABILITY OF THE FOUNDATION IF CONSTRUCTION IS NOT IN STRICT ACCORDANCE WITH THIS PLAN.

A SOIL BEARING CAPACITY OF 3500 POUNDS PER SQUARE FOOT (MINIMUM) IS REQUIRED. THE SCALE FOUNDATION INSTALLER SHALL BE RESPONSIBLE FOR DETERMINING WHETHER OR NOT SOIL CHARACTERISTICS MEET THIS REQUIREMENT.

EXCAVATION, FOUNDATION FORMS, REBAR AND CONCRETE ARE FURNISHED BY OTHER THAN EMERY WINSLOW. ERECT AND SET ANCHOR BOLTS FROM CENTERLINES. TOLERANCES ON DIMENSIONS LOCATING ANCHOR BOLTS ARE PLUS OR MINUS ONE–QUARTER INCH. TOPS OF PIERS SHALL BE FINISHED SMOOTH AND LEVEL, ALSO IN THE SAME PLANE. THE SIDE AND END WALLS SHALL BE SQUARE WITH EACH OTHER. THE TOP OF THE WALLS AT THE COPING ANGLES IS TO BE ON ONE LEVEL PLANE.

ALL CONCRETE SHOULD DEVELOP 4000 PSI IN 28 DAYS WITH Fc = 1600 MINIMUM.

ALL REINFORCING STEEL SHALL BE INTERMEDIATE OR HARD GRADE NEW BILLET STEEL AND CONFORM TO ASTM SPECIFICATION NUMBER A615 GRADE 60, MINIMUM.

HOLD ALL REINFORCING STEEL TO WITHIN 1–1/2" FROM FACE OF CONCRETE, EXCEPT FOR WHERE CONCRETE IS EXPOSED TO SOIL, IN WHICH CASE THE COVERAGE SHALL BE 3".

ALL REINFORCING STEEL SHALL BE PLACED IN ACCORDANCE WITH CRSI CODE AND SHALL BE PROPERLY TIED TO REMAIN IN PLACE DURING CONCRETE POURING.

THE SCALE PIT SHALL REMAIN DRY AT ALL TIMES AND ADEQUATE DRAINAGE SHALL BE PROVIDED FOR THE PURPOSE OF INSPECTION AND CLEANING. IN CASE A DRAIN CAN NOT BE USED AND A SUMP PUMP IS USED, IT MUST BE AUTOMATIC. FLOOR OF PIT MUST SLOPE TOWARD DRAIN OR SUMP INLET. DRAIN SHOULD BE 4" MINIMUM WITH GRATE COVER.

FULL SIZE PLOT D–24X36

LTR	REVISION	DATE	BY
A	LOAD CELL BASE PLATE DETAIL UPDATED	02/05	CEM

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ALL SHARP CORNERS AND EDGES TO BE BROKEN

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
MACHINING XX = ± .01 XXX = ± .005
FABRICATION ± .13

DRAWN CEM DATE 10/01/04
CHECKED DATE
ACAD FILENAME: T01824
LAYERS USED: ALL

EMERY WINSLOW SCALE COMPANY
SEYMOUR, CT U.S.A TERRE HAUTE, IN.

MODEL 44–10070–10
70' X 10', 100 TON & 3/8" SD
FOUNDATION PLAN w/4' PIT

SCALE	FIRST USED ON	DRAWING NO.	REV.
1:30		D– 71687	A