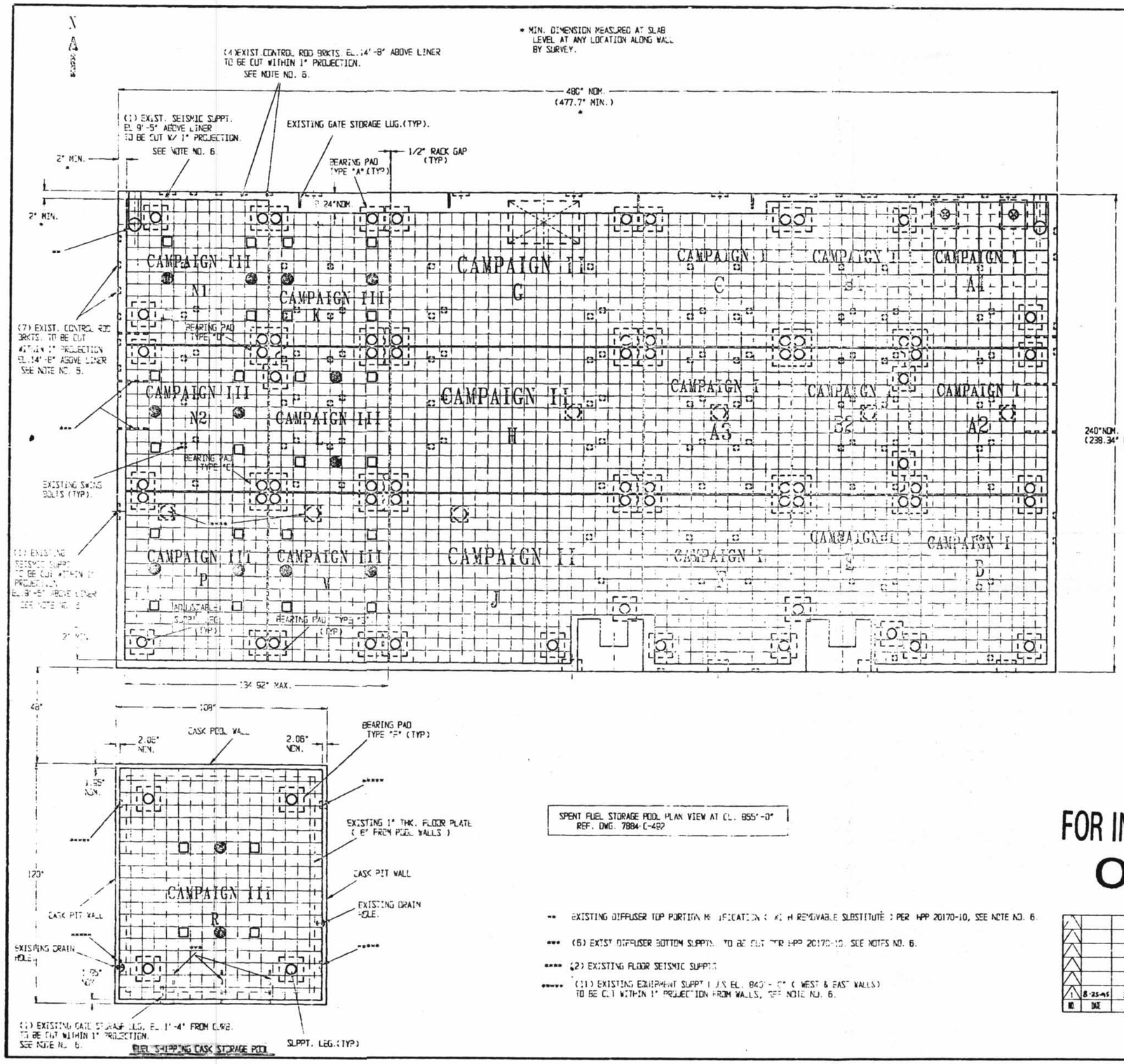

SPENT FUEL STORAGE POOL PLAN VIEW AT EL. 855'-0"
REF. DWG. 7884-C-492

-- EXISTING DIFFUSER TOP PORTION MODIFICATION (WITH REMOVABLE SUBSTITUTE) PER HPP 20170-10, SEE NOTE NO. 6.

--- (6) EXIST DIFFUSER BOTTOM SUPPTS. TO BE CUT PER HPP 20170-10. SEE NOTES NO. 6.

---- (2) EXISTING FLOOR SEISMIC SUPPTS

----- (1) EXISTING EQUIPMENT SUPPT (US EL. 840'-0" (WEST & EAST WALLS) TO BE CUT WITHIN 1" PROJECTION FROM WALLS, SEE NOTE NO. 6.

MODULE I.D.	NO. OF CELLS N-S DIRECTION	NO. OF CELLS E-W DIRECTION	MODULE ENVELOPE SIZE (SEE NOTE #1) N-S	MODULE ENVELOPE SIZE (SEE NOTE #1) E-W	MODULE BOUNDARY WALL BORAL REQUIREMENT * N	S	E	W	WEIGHT EMPTY	NO. OF CELLS PER RACK	REMARKS
K	11	10	67.21"	61.10"	NO	YES	NO	YES	7900#	110	
L	12	10	73.32"	61.10"	NO	YES	NO	YES	8600#	120	
M	14	10	85.54"	61.10"	NO	NO	NO	YES	10000#	140	
N1	12	12	73.32"	73.32"	NO	YES	NO	NO	10300#	144	
N2	12	12	73.32"	73.32"	NO	YES	NO	NO	10300#	144	
P	14	12	85.54"	73.32"	NO	NO	NO	NO	12000#	168	
R	19	17	116.06	103.87"	NO	NO	NO	NO	23200#	323	IN CASK PIT

SUPPORT BEARING PAD DATA			
TYPE	QUANTITY	SIZE	MATERIAL
A	6	6 1/2" X 12" X 12"	SA-240-304
B	5	6 1/2" X 12" X 18"	SA-240-304
C	1	6 1/2" X 18" X 18"	SA-240-304
D	1	6 1/2" X 18" X 18"	SA-240-304
F	4	5 1/2" X 12" X 12"	SA-240-304

LEGEND :

☐ -LIFT ROD LOCATION ARE TYPICAL FOR EACH TYPE OF RACKS AS SHOWN.

● -CENTERING POST LOCATIONS FOR EACH TYPE OF RACKS AS SHOWN.

NOTES

1. -THE RACK MODULE HORIZONTAL DIMENSIONS (SEE TABLE) DEFINE THE MAX. PRISMATIC ENVELOPE SIZES WITH MODULE EXTERNAL SHEATHING/POISON AND BASEPLATE EXCLUDED. MAX. BASEPLATE DIMENSIONS ARE 1/4" GREATER THAN MAX. PRISMATIC ENVELOPE DIMENSIONS.
2. -TOTAL OF (7) RACKS = 1149 CELLS (CAMPAIGN III).
3. -RACK TO WALL GAPS
   -RACK TO WALL GAPS ARE AS NOTED.
4. -SCALE 1/2" = 1'-0" .-
5. -RACK TO RACK GAPS :
   1/2" + 0" - 1/4" EXCEPT NOTED.
6. -POOL WALL & FLOOR OBSTRUCTIONS, TO BE REMOVED / TRUNCATED PER HOLTEC PROCEDURE HPP 20170-10.
7. -TOP OF RACK BASEPLATE ABOVE BEARING PAD = 5 3/4" ± 1/2"
8. -TOP OF RACK ABOVE LINER = 181 1/4" ± 1/2".
9. -RACK SUPPORT BEARING PADS MAY BE MODIFIED (CUT, TRIM ETC.) AT THE SITE AS NECESSARY, TO AVOID EXISTING FLOOR OBSTRUCTIONS.
10. SEE DWG NO. M453-024 FOR BEARING PAD DETAILS.
11. ENGINEERING SPECIFICATION NO. SCC-M453-1453
12. FOR RACK NAME PLATE DETAILS SEE DWG. M453-001

13. THIS DRAWING IS PROVIDED FOR INFORMATION ONLY. THE RACK MODULE DIMENSIONS, LOCATIONS, ELEVATIONS, ETC. RACKS ARE PRESENTED FOR INFORMATION ONLY. FABRICATION AND INSTALLATION DRAWINGS ARE FOR THE FUTURE.

DATE	REV.	DESCRIPTION	PREP. BY	CHECKED BY	ENG
11-5 93	5	REV.D AS SHOWN	TC 11-5-93	[illegible]	[illegible]
9-9 93	4	REV.D AS SHOWN	TC 9-9-93	M.S. 9-15-93 / K.S. 9-20-93	M.S. [illegible]
7-27 93	3	REV.D AS SHOWN	TC 4-27-93	Y.W. 3-30-93 / K.S. 8-4-93	M.S. [illegible]
4-1 93	2	REV.D MODULE M	TC 4-1-93	Y.W. 4-3-93 / Y.W. 4-3-93	M.S. 4-5-93
3-11 92	1	ADDED RACK "R" ETC.	TC 3-11-92	K.S. 12-21-92 / K.S. 12-21-92	M.S. [illegible]
7-30 92	0	FOR APPROVAL	TC 7-30-92	SR 8-3-92	--

REVISION

HOLTEC INTERNATIONAL — EQUIPMENT DESIGN, ANALYSIS, CONSULTING

DESCRIPTION
POOL LAYOUT - CAMPAIGN III
SPENT FUEL STORAGE RACKS

CLIENT
IOWA ELECTRIC LIGHT & POWER CO
DUANE ARNOLD ENERGY CENTER

COMPANION DRAWINGS
1043 TO 1055

PROJECT No. 20170 | DRAWING No. 1048 | REV. 6
P.O. No. 10089

FOR INFORMATION ONLY

NO.	DATE	REVISION	DWN	CHK	LEAD	QV
1	8-25-95	ISSUED FOR INFORMATION	TM	TMK	LAL	QV

M453-006 | REV. 1

D7

IES