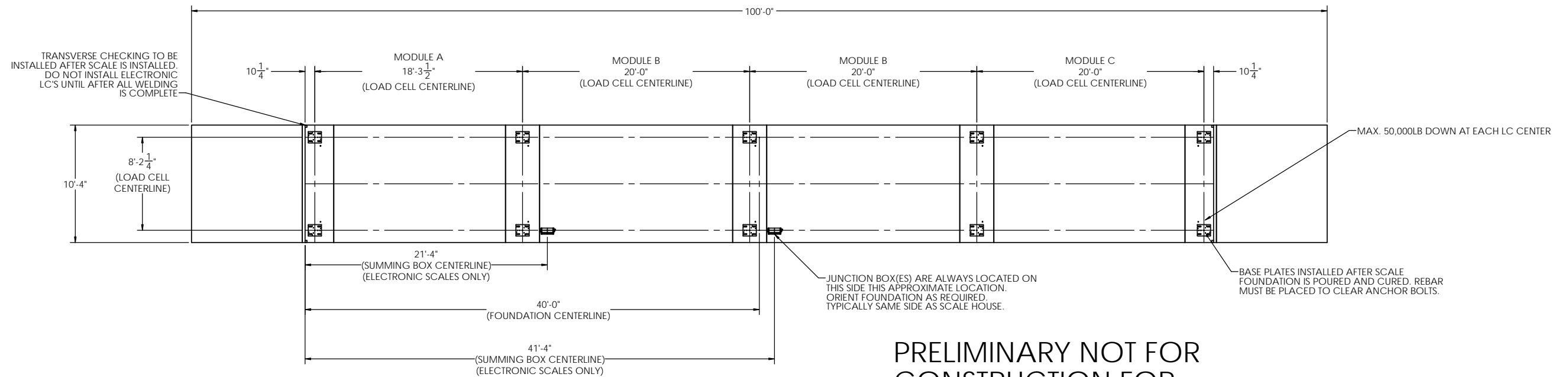
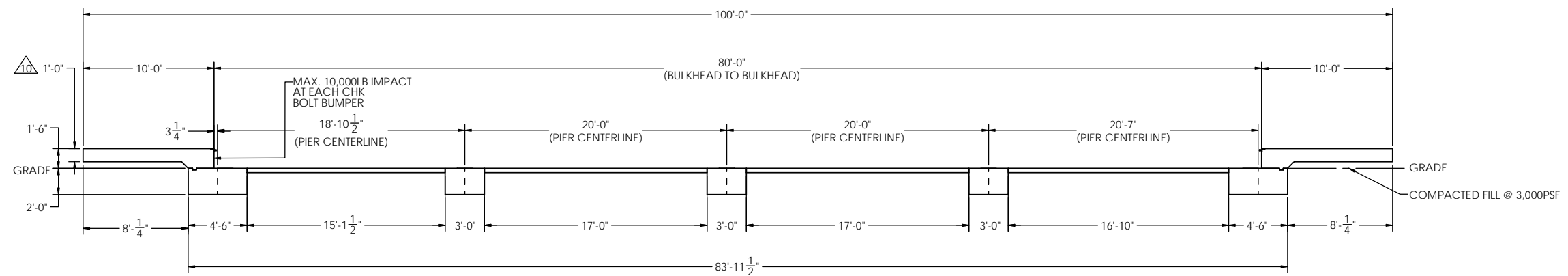


DETAILS

REV.	ECO	DESCRIPTION	INIT	DATE
A		ENGINEERING RELEASE	SPJ	07/19/2019



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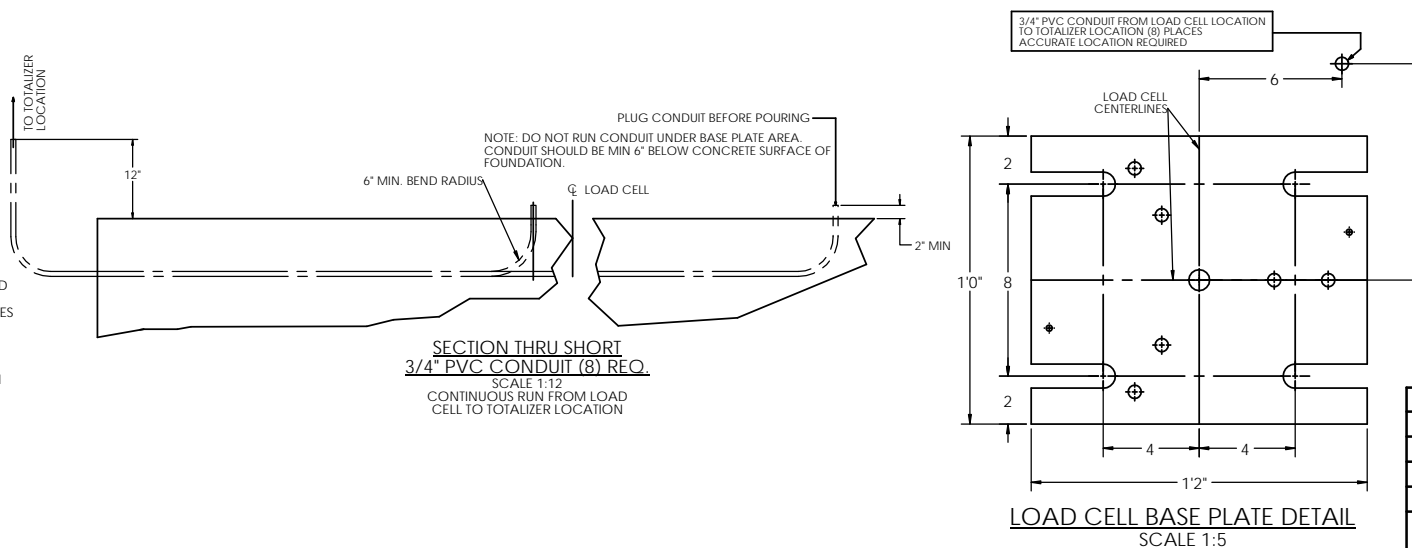
FOR NON COMMERCIAL SCALES PROVIDE AN APPROACH OF 2 FEET MINIMUM LENGTH WHICH IS LEVEL AND IN THE SAME PLANE AS THE PLATFORM.

FOR COMMERCIAL SCALES CHECK WITH LOCAL WEIGHTS AND MEASURES OFFICIALS BEFORE STARTING CONSTRUCTIONS. NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY (NIST) HANDBOOK H44 REQUIRES:

- A) A STRAIGHT APPROACH 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 TO BE LEVEL AND IN THE SAME PLANE AS THE PLATFORM.

NOTES:

1. CONCRETE STRENGTH: $f_c = 4000$ PSI @ 28 DAYS
REINFORCING ROD: $F_y = 60,000$ PSI, ASTM A615 GRADE 60
ALL CONCRETE WORK TO BE DONE PER CRSI CODE
ALL FOUNDATION MATERIAL AND LABOR BY OTHERS ALWAYS WORK FROM CERTIFIED DRAWINGS
2. PIERS AS SHOWN ARE SIZED FOR 3,000 LB/SQ.FT. THE END USER SHALL BE RESPONSIBLE FOR DETERMINING WHETHER OR NOT SOIL CHARACTERISTICS MEET THE REQUIREMENT.
3. THE CONCRETE AND REBAR SPECIFICATIONS SHOWN ARE FOR A NATIONWIDE RANGE OF CONDITIONS AND MAY NEED MODIFICATION FOR LOCAL CONDITIONS. EMERY WINSLOW SCALE WILL NOT BE RESPONSIBLE FOR ANY CHANGES NECESSITATED BY ANY REGULATORY AUTHORITIES OR LOCAL SITE CONDITIONS.
4. APPROACH COPING (BULKHEAD) TO BE ON A COMMON PLANE WITHIN 1/4".
5. TOP OF REBAR MUST BE PLACED TO CLEAR ANCHOR BOLTS. ANCHOR BOLTS ARE TO BE INSTALLED AFTER FOUNDATION HAS CURED.
6. PIERS MUST BE INSTALLED WITH EXTREME CARE AND MUST NOT BE ALLOWED TO SHIFT.
7. THESE PLANS ARE NOT SUITABLE WHERE SOIL MIGRATION IN AN ISSUE. SOIL MUST BE STABLE AND NOT SUBJECT TO FLOODING OR OTHER POSSIBLE CAUSES OF SOIL MIGRATION THAT MAY RESULT IN SHIFTING OF THE PIERS.
8. BASE PLATES ARE NOT GROUDED. IF GROUTING IS REQUIRED ADD GROUT THICKNESS TO APPROACH DEPTH SHOWN.
9. THERE ARE (2) ANCHOR BOLTS PER BASE PLATE. THEY SHOULD BE PLACED DIAGONALLY FROM EACH OTHER.
10. APPROACH THICKNESS MAY BE 10" MINIMUM WHERE ALLOWED BY STATE REGULATIONS
11. REFER TO ASSEMBLY DRAWING FOR BASE PLATE ORIENTATION.

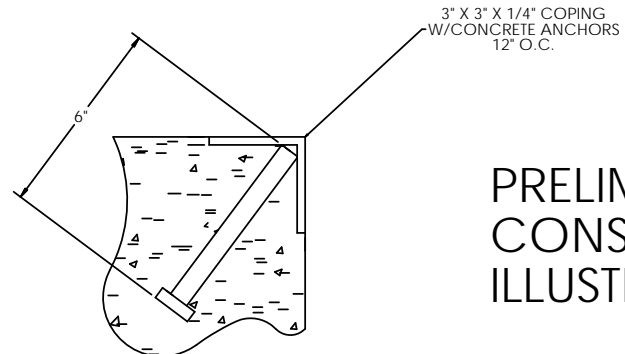


ALL SHARP CORNERS AND EDGES TO BE BROKEN		EMERY WINSLOW SCALE COMPANY SEYMOUR, CT. U.S.A. TERRE HAUTE, IN.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		FOUNDATION, CONCRETE PIER 80' X 10', CONCRETE DECK	
DATE	BY	DRAWN: S. JOHNSON	DATE: 07/19/19
DATE	BY	CHECKED:	DATE:
DATE	BY	ACAD FILENAME:	SCALE
DATE	BY	LAYERS USED:	FIRST USED ON
DATE	BY		DRAWING NO.
DATE	BY		196635
DATE	BY		REV.
DATE	BY		A

CONCRETE SCHEDULE			
	VOLUME (CUBIC YARDS)		
APPROACHES	8.5		
CLEANOUT	8.4		
PIERS	13.8		
TOTAL	30.8		
MISC. STEEL			
PIT COPING	3 X 3 X 1/4	21 LN. FT	103 LBS

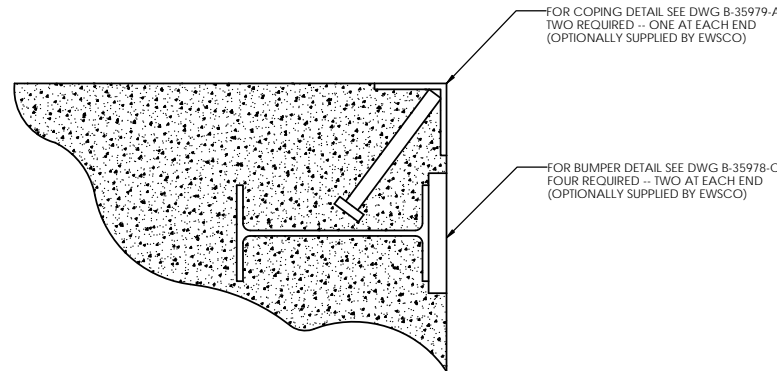
VOLUME SHOWN FOR STATED PIER DEPTH.
ADD ADDITIONAL CONCRETE FOR
DEEPER PIERS AS NEEDED.

CONCRETE LAYOUT

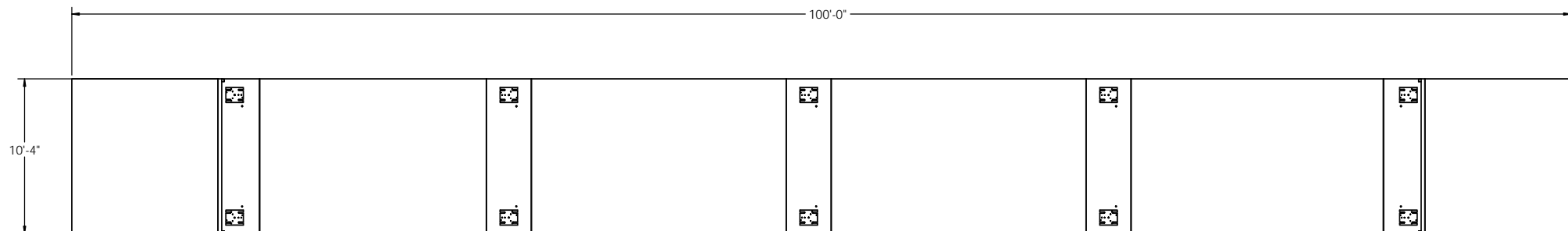


DETAIL C

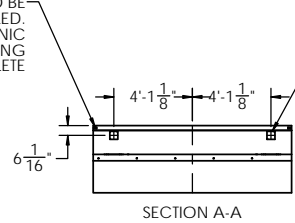
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DETAIL OF BULKHEAD INSTALLATION
NO SCALE



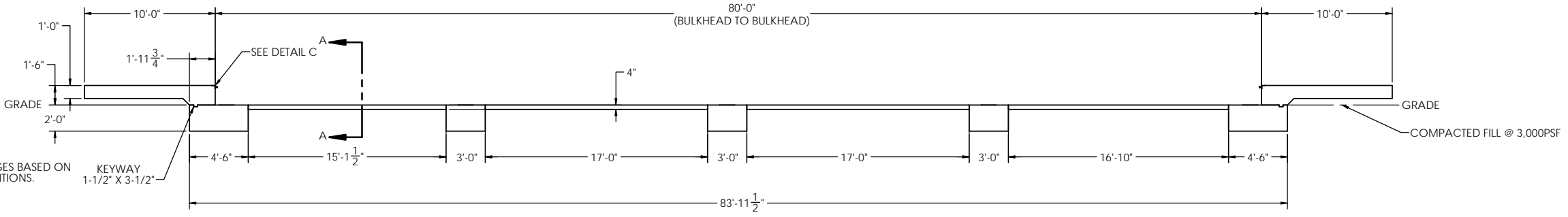
TRANSVERSE CHECKING TO BE
INSTALLED AFTER SCALE IS INSTALLED.
DO NOT INSTALL ELECTRONIC
LC'S UNTIL AFTER ALL WELDING
IS COMPLETE



SECTION A-A

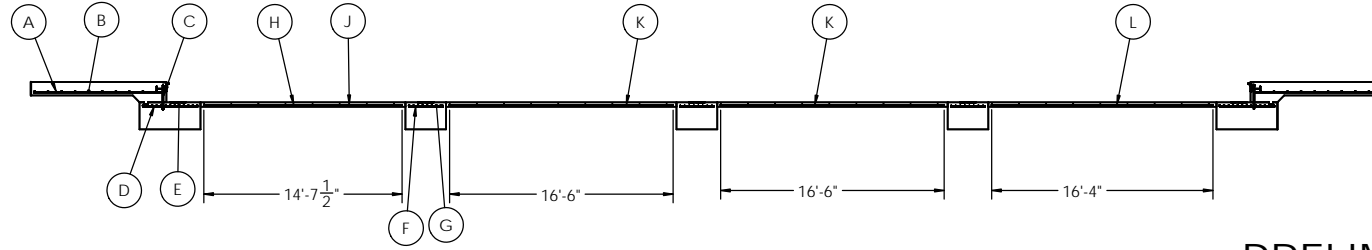
MAX. 10,000LB IMPACT
AT EACH CHK
BOLT BUMPER

DEPTH CHANGES BASED ON
LOCAL CONDITIONS.



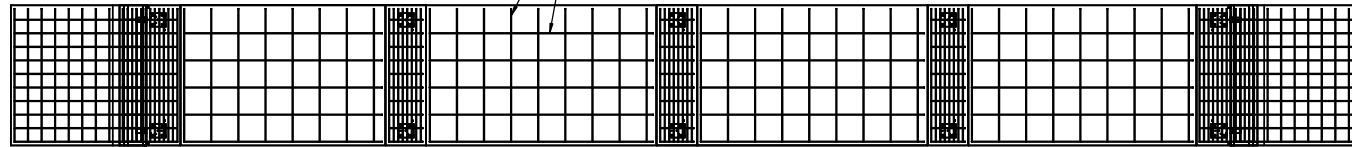
LTR		DATE	BY	ALL SHARP CORNERS AND EDGES TO BE BROKEN	EMERY WINSLOW SCALE COMPANY SEYMOUR, CT. U.S.A. TERRE HAUTE, IN.
THIS DRAWING IS THE PROPERTY OF EMERY WINSLOW SCALE COMPANY SEYMOUR, CONNECTICUT. THE INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND IS NOT TO BE USED OR DISSEMINATED TO OTHERS WITHOUT THE EXPRESS WRITTEN CONSENT OF EMERY WINSLOW SCALE COMPANY.		DATE	BY	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES MACHINING FABRICATION XX: ±.01 XX: ±.13 XXX: ±.005	
DRAWN: S. JOHNSON DATE: 07/19/19				FOUNDATION, CONCRETE PIER 80' X 10', CONCRETE DECK	
CHECKED: DATE:				SCALE	FIRST USED ON
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LAYERS USED:				196635	REV.
					A

REBAR LAYOUT



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#4 REBAR SPACED EVERY 24"
OR YOU MAY SUBSTITUTE
6X6X10 GA. WIRE MESH



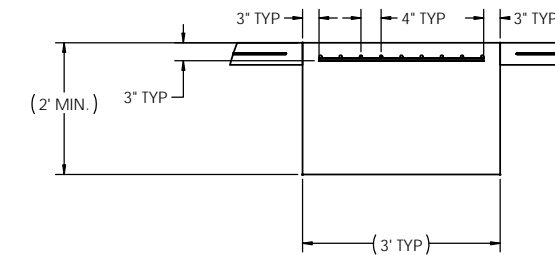
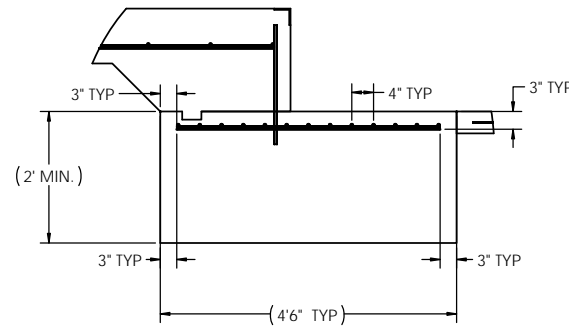
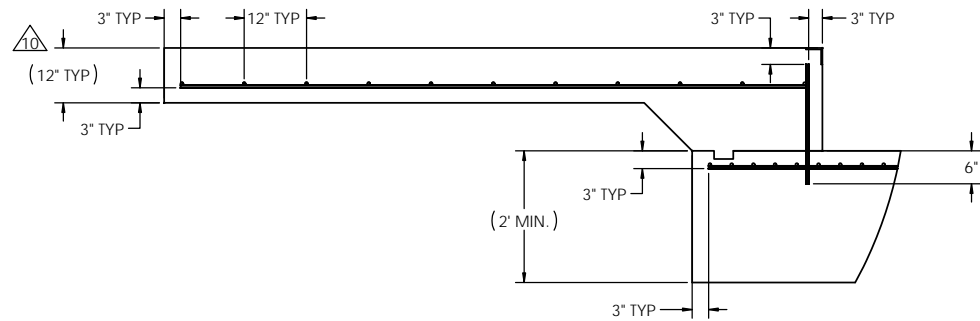
MATERIAL REQUIREMENTS				
REBAR SCHEDULE				
BAL. NO.	QUANTITY	LENGTH (FT-IN.)	DESCRIPTION	WEIGHT
A	20	9' 6"	# 4 @ 12 O.C.	127
B	20	9' 10"	# 4 @ 12 O.C.	131
C	20	1' 9 1/4"	# 4 @ 12 O.C.	24
D	20	4' 0"	# 4 @ 12 O.C.	53
E	26	9' 10"	# 4 @ 4 O.C.	171
F	30	2' 6"	# 4 @ 12 O.C.	50
G	24	9' 10"	# 4 @ 4 O.C.	158
CLEANOUT SCHEDULE				
H	5	14' 7 1/2"	# 4 @ 24 O.C.	49
J	35	9' 10"	# 4 @ 24 O.C.	230
K	10	16' 6"	# 4 @ 24 O.C.	110
L	5	16' 4"	# 4 @ 24 O.C.	55
TOTAL WEIGHT OF REBAR (LBS.)				1157
TOTAL LENGTH OF REBAR (FT.)				1733
WIRE MESH	6 X 6-10 GA.	680 SQ FT		

APPROACH STANDARD VIEWS

APPROACH PIER STANDARD VIEWS

PIER STANDARD VIEWS

NOTES: 1) LEFT AND RIGHT APPROACHES ARE MIRROR IMAGES OF EACH OTHER AND CONTAIN AN IDENTICAL PART LIST



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DRAWN: S. JOHNSON DATE: 07/19/19				FOUNDATION, CONCRETE PIER 80' X 10', CONCRETE DECK	
CHECKED: DATE:				SCALE	FIRST USED ON
ACAD FILENAME:				1:48	
LAYERS USED:				DRAWING NO.	REV.
				196635	A