

NOTES:

1. USE 4000 PSI CONCRETE @ 28 DAYS. CONCRETE SHALL BE A MIX DESIGN UTILIZING TYPE II PORTLAND CEMENT AND NORMAL WEIGHT AGGREGATES WITH 5-7% AIR ENTRAINMENT. NO FLY ASH WILL BE ALLOWED. MAXIMUM ALLOWABLE SLUMP SHALL BE 4 1/2". CONCRETE TO BE MECHANICALLY VIBRATED TO INSURE PROPER CONSOLIDATION.

2. USE A MIX DESIGN WHICH WILL DEVELOP 4000 PSI STRENGTH IN 7 DAYS ON THE APPROACHES.

3. ALL REINFORCING TO BE ASTM A-615 GR 60 DEFORMED BARS. ALL BAR TO BE LOCATED AS SHOWN ON PLANS WITH ALL INTERSECTING BAR SECURELY TIED AND CHAIRED INTO POSITION. BEND BARS COLD. REMOVE SCALE, LOOSE FLAKY RUST, DIRT AND OTHER COATING THAT WOULD IMPAIR BONDING.

4. ALL CONCRETE SURFACES SHALL BE FORMED WITH WOOD OR METAL FORMS USING APPROVED METHODS. NO CONCRETE VERTICAL SURFACE SHALL BE POURED AGAINST DIRT.
5. MAKE 3 CONCRETE TEST CYLINDERS, LABEL WITH POUR DATE AND DESCRIPTION OF POUR, WRAP CYLINDERS IN 6 MIL POLY.

7. ALL WORK TO BE IN ACCORDANCE WITH ACI 301.


8. BOTTOM OF PIT SHOULD BE SUPPORTED ON NON-EXPANSIVE WELL DRAINED MATERIAL CAPABLE OF SAFELY SUPPORTING 1500 PSF WITH LESS THAN 3/4 INCH TOTAL SETTLEMENT.

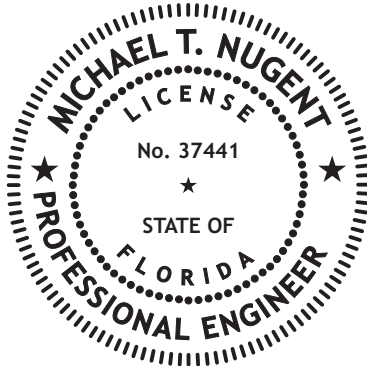
9. ALL BACKFILL SHOULD BE PLACED IN 8 INCH LIFTS AND COMPACTED TO 95% OF MAXIMUM DENSITY PER ASTM 1557 OR APPROVED ALTERNATE.

10. SUITABLE CONDUIT FOR LOW VOLTAGE CONDUCTOR SHIELDED CABLE MUST PASS THRU THE PIT WALL AS INDICATED ON THIS DRAWING. CONDUIT MUST EXTEND BEYOND PIT WALL 2" MIN.

11. WORK FROM CENTER LINES WHEN ERECTING FORMS AND PLACING FOUNDATION EMBEDMENTS. PLACE EMBEDMENTS TO WITHIN +/-1/8" OF POSITIONS INDICATED ON DRAWINGS. (EMBEDMENT MUST BE PLACED WITHIN +/-1/8" OF TOTAL DIMENSIONS OF SCALE.)
12. PROVIDE MEANS SO THAT ADEQUATE DRAINAGE FOR THE PIT EXISTS. UTILIZE SUMP PUMPS TO INSURE THAT NO STANDING WATER CAN ACCUMULATE IN THE PIT.

FAIRBANKS

5					 <div>C.A.T. SCALE CO. P.O. Box 639 Walcott, Iowa 52773</div>					
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REV.	DATE	REVISION DESCRIPTION		DR.	APPVD.	TITLE Shuttle Truck Stop 75 Lake City, FL 32024 PLAN – 5’–0” DEEP SCALE PIT				
REVISIONS						SCALE	DR.	TB	DATE	DRAWING NUMBER
						NONE	CHK'D	MTN	1/2016	1



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Michael Nugent
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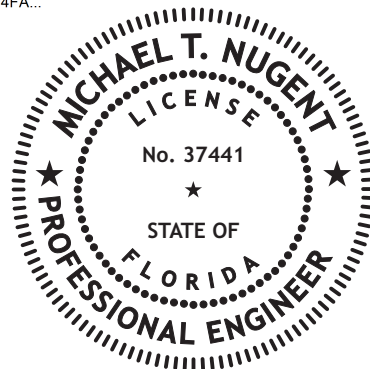
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Michael Nugent

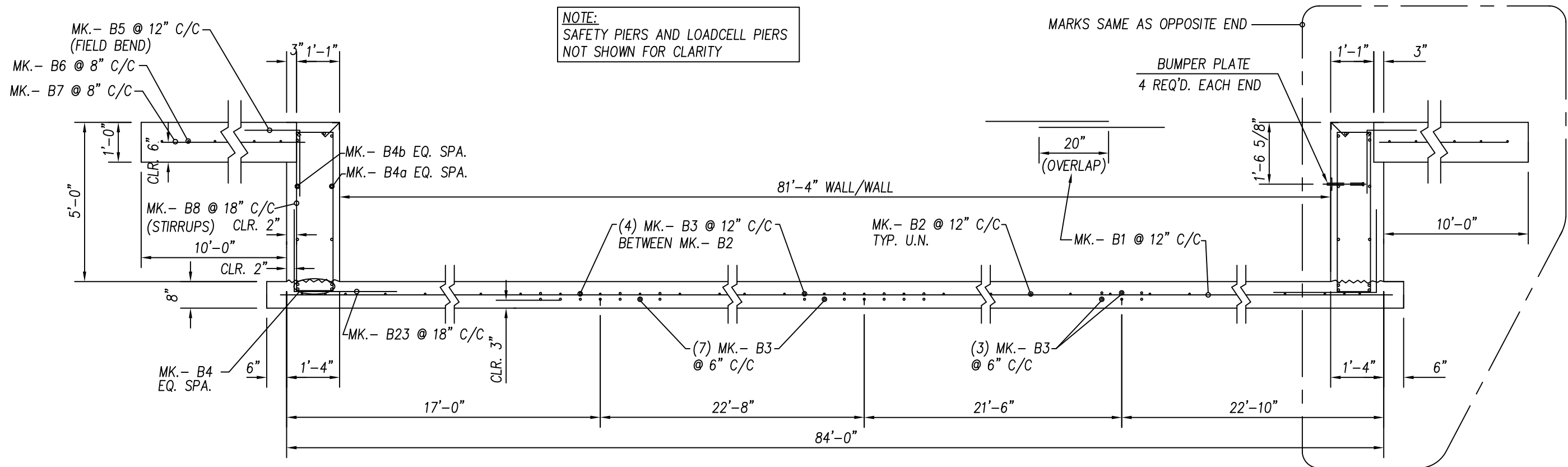
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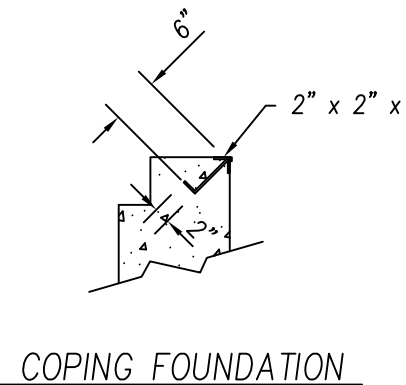
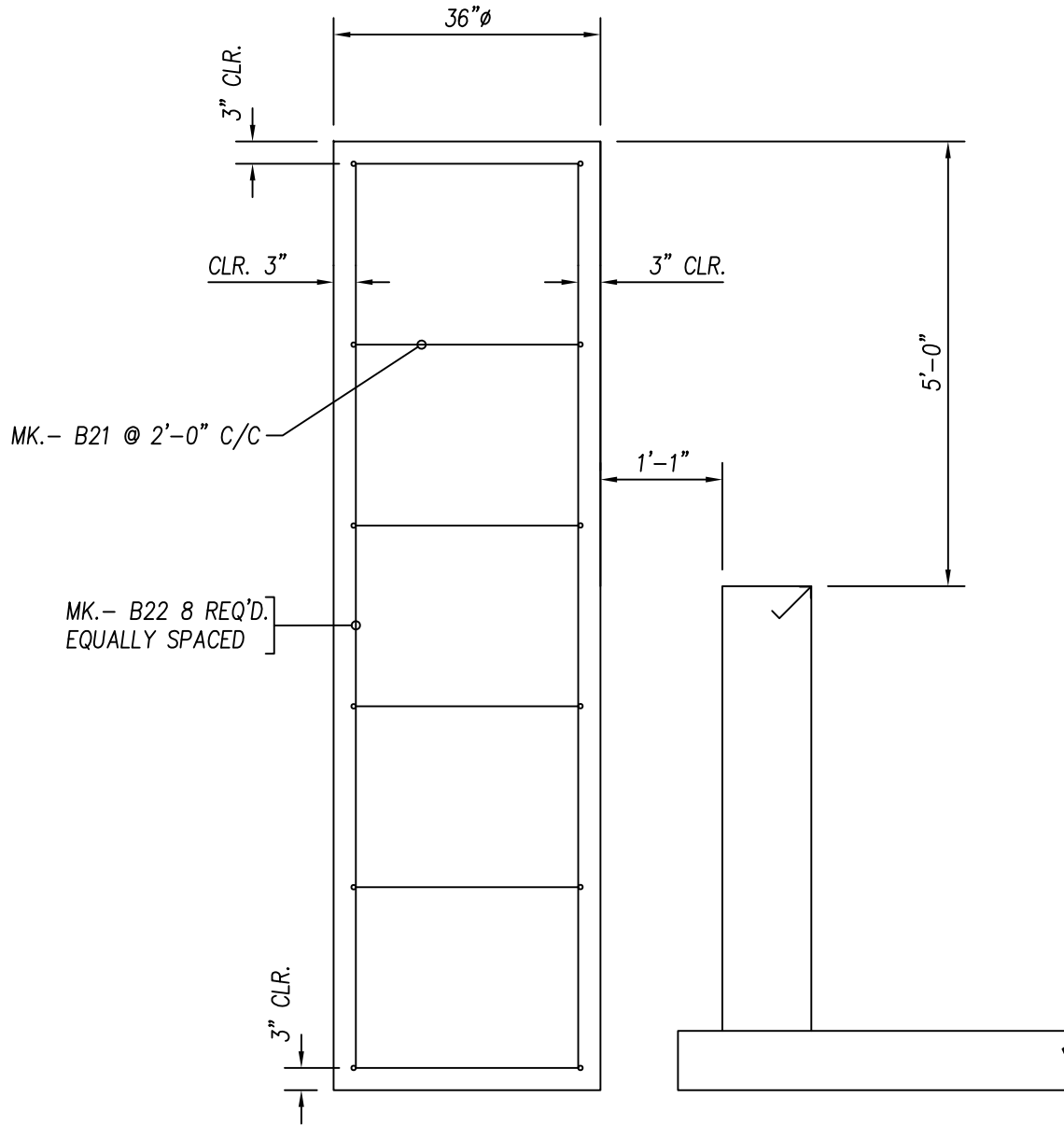
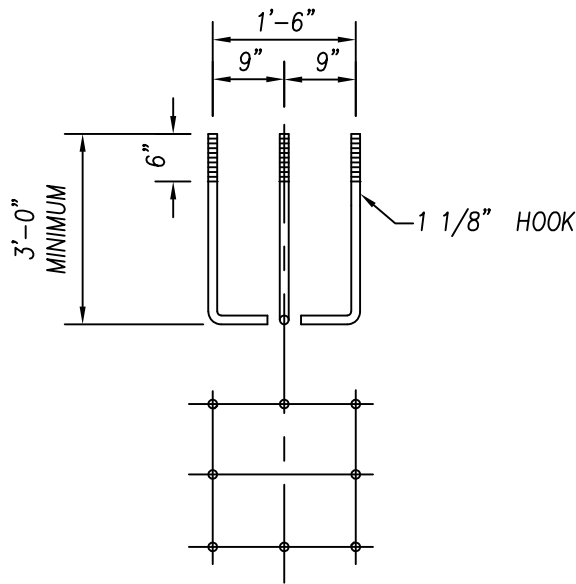
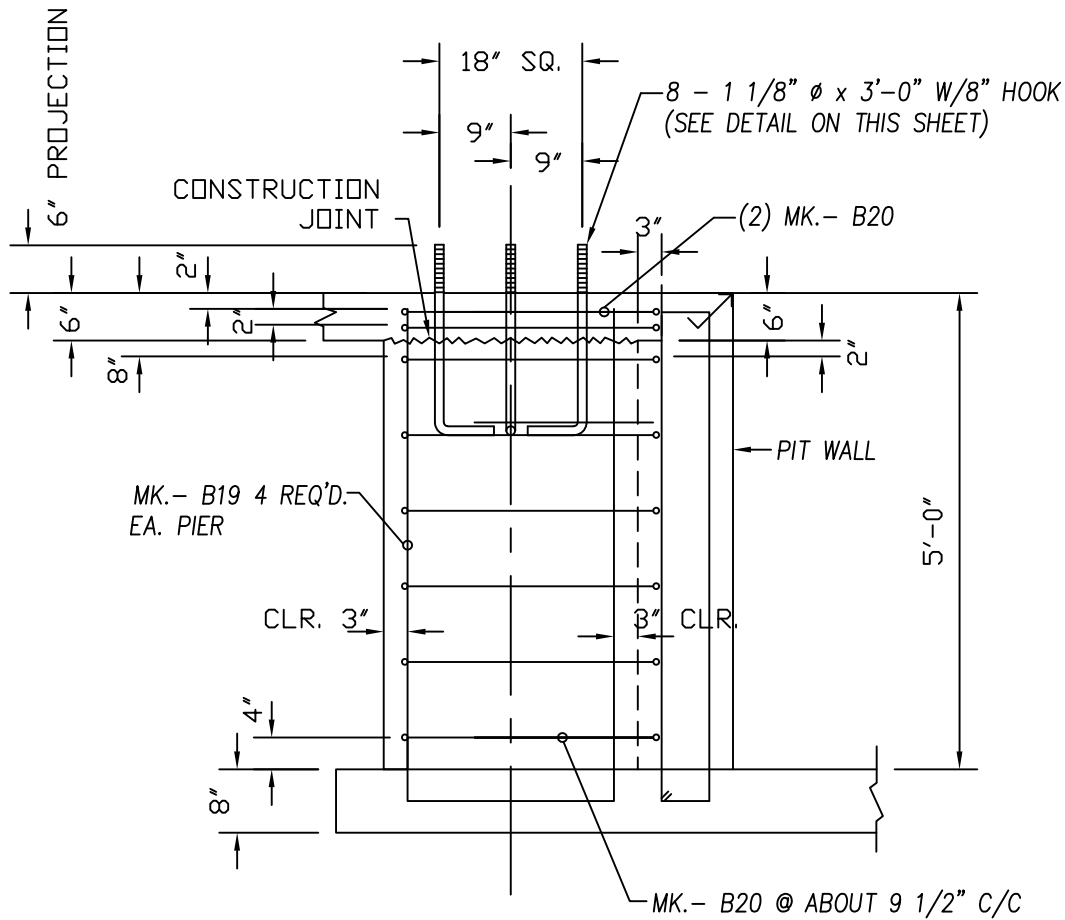
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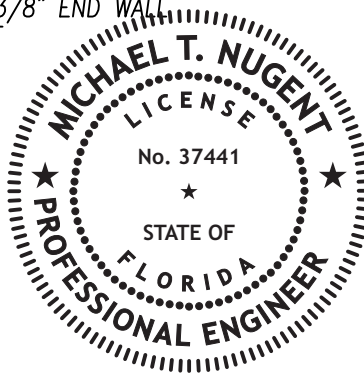


SECTION A-A

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REV.	DATE	REVISION DESCRIPTION	DR.	APPVD.	<div>TITLE</div> <div>Shuttle Truck Stop 75 Lake City, FL 32024 <i>ELEVATION – 5’–0” DEEP SCALE PIT</i></div>										
REVISIONS					<table><tr><td>SCALE</td><td>DR.</td><td>TB</td><td>DATE</td><td>DRAWING NUMBER</td></tr><tr><td>NONE</td><td>CHK'D</td><td>MTN</td><td>1/2016</td><td>2</td></tr></table>	SCALE	DR.	TB	DATE	DRAWING NUMBER	NONE	CHK'D	MTN	1/2016	2
SCALE	DR.	TB	DATE	DRAWING NUMBER											
NONE	CHK'D	MTN	1/2016	2											




8/19/20

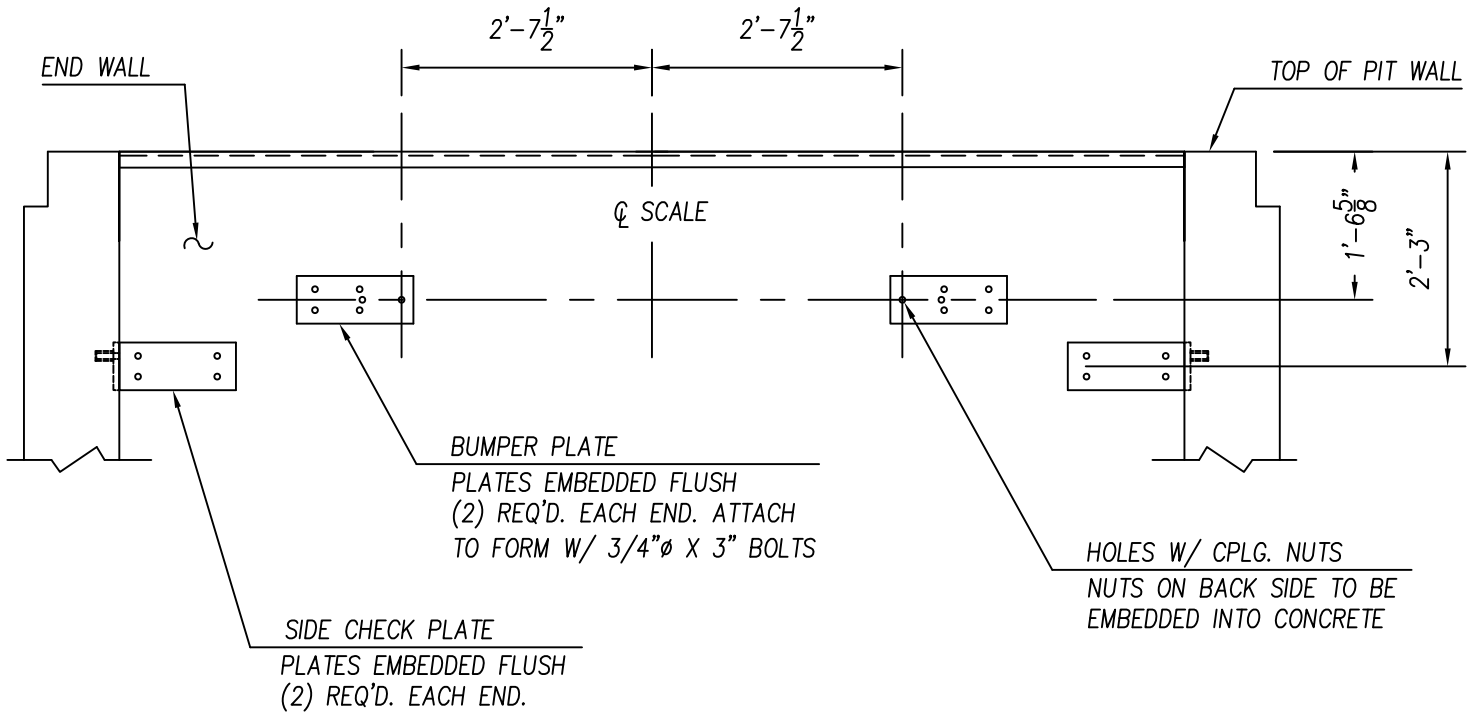


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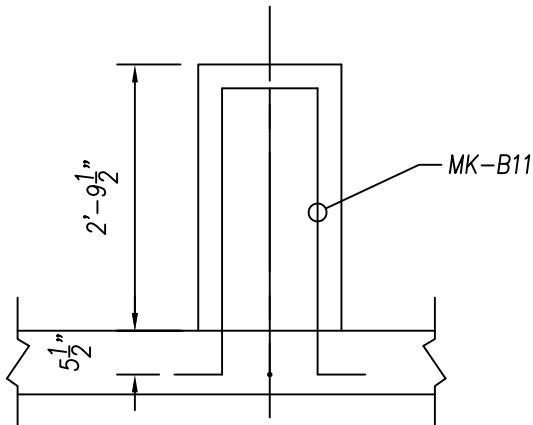
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REV.	DATE	REVISION DESCRIPTION	DR.	APPVD.	TITLE
REVISIONS					Shuttle Truck Stop 75 Lake City, FL 32024 SECTIONS C-C & D-D - CAT SCALE PIT
SCALE		DR.	TB	DATE	DRAWING NUMBER
NONE		CHK'D	MTN	1/2016	4



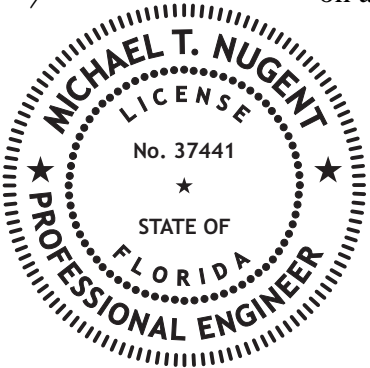
DETAIL – END WALL CHECKING



DETAIL – SAFETY PIER


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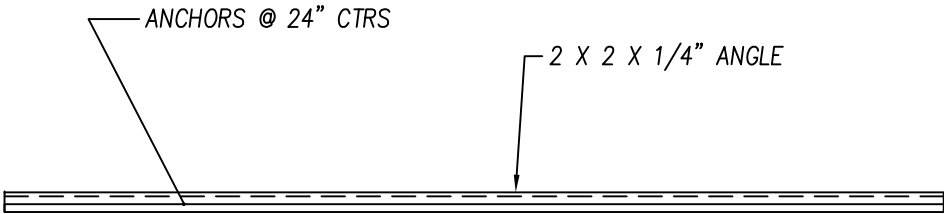
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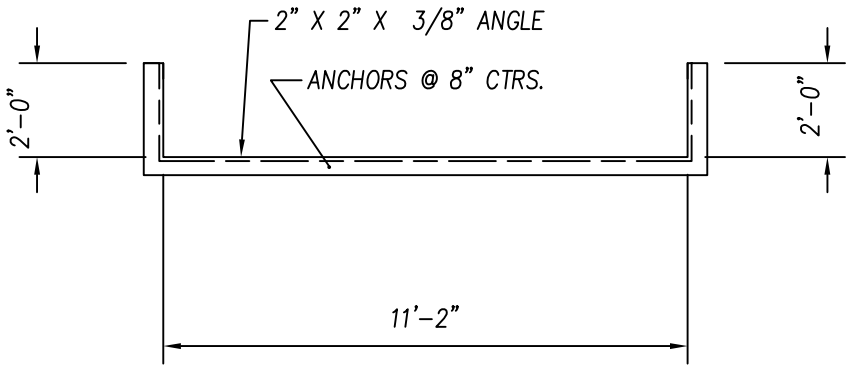
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REV.	DATE	REVISION DESCRIPTION	DR.	APPVD.	TITLE Shuttle Truck Stop 75 Lake City, FL 32024 DETAILS – WALL CHECKING & SAFETY PIERS
REVISIONS					SCALE NONE
					DR. TB CHK'D MTN
					DATE 1/2016
					DRAWING NUMBER 5



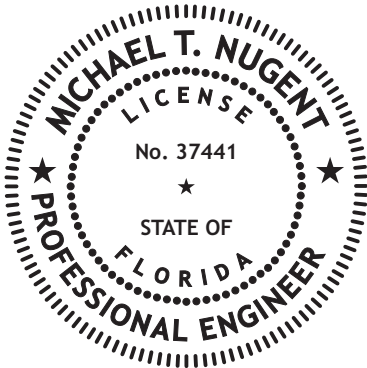
TYPICAL 20'-0" COPING
8 - REQ'D.



TYPICAL END WALL COPING
2 - REQ'D.

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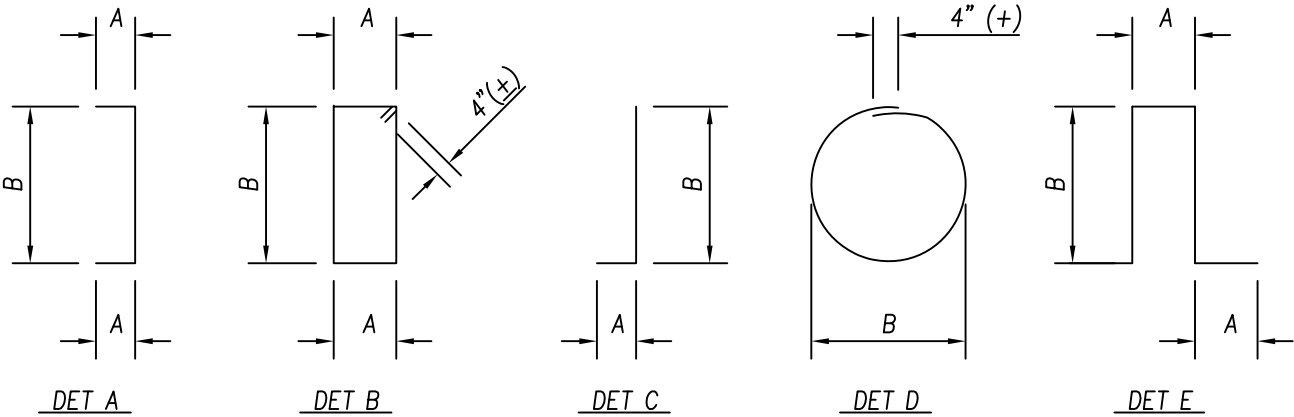
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FAIRBANKS

REINFORCING STEEL SCHEDULE - 5'-0" PIT

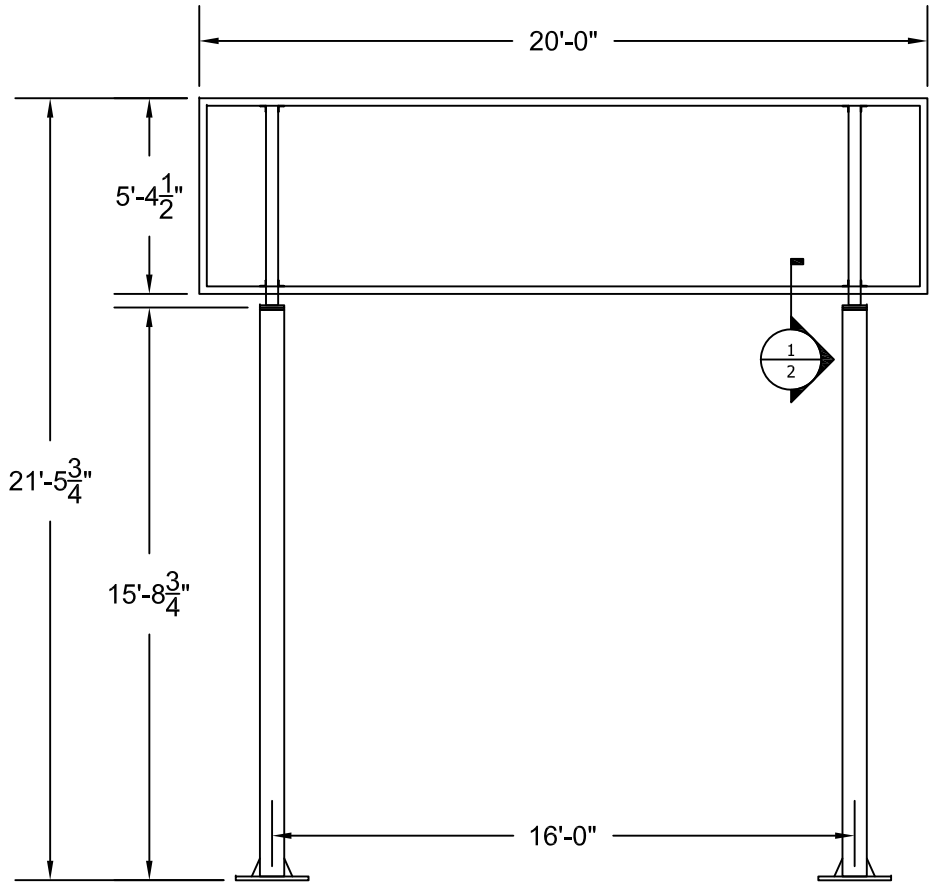
MARK	QTY	DESCRIPTION	LENGTH	A	B
B1	60	# 4 STRAIGHT	22'-6"		
B2	86	# 4 STRAIGHT	13'-10"		
B3	28	# 5 STRAIGHT	13'-10"		
B4a	12	# 6 BENT - DET A	15'-9"	2'-0"	11'-9"
B4b	12	# 6 BENT - DET A	16'-8"	2'-0"	12'-8"
B5	188	# 4 STRAIGHT	6'-6"		
B6	30	# 4 STRAIGHT	12'-2"		
B7	40	# 4 STRAIGHT	9'-10"		
B8	18	# 4 STIRRUPS - DET B	12'-8"	0'-11"	5'-1"
B9	96	# 5 STRAIGHT	22'-6"		
B10	110	# 4 STIRRUPS - DET B	12'-0"	0'-7"	5'-1"
B11	32	# 4 BENT - DET E	8'-6"	0'-10"	3'-0"
B12	50	# 4 STRAIGHT	22'-6"		
*B13	40	# 4 STRAIGHT	4'-0"		
B14	8	# 5 TIES - DET B	14'-8"	4'-6"	2'-6"
B15	4	# 5 TIES - DET B	8'-8"	1'-6"	2'-6"
B16	8	# 5 TIES - DET B	9'-8"	2'-0"	2'-6"
B17	40	# 4 BENT - DET C	2'-10"	1'-0"	1'-10"
B18	72	# 6 BENT - DET C	3'-3"	1'-0"	2'-3"
B19	8	# 6 BENT - DET C	6'-2"	1'-0"	5'-2"
B20	16	# 5 TIES - DET B	10'-4"	2'-8"	2'-2"
B21	6	# 5 HOOP - DET D	8'-3"	(DIA.)	2'-6"
B22	8	# 6 STRAIGHT	10'-2"		
B23	128	# 4 BENT - DET C	5'-0"	2'-0"	3'-0"

*MK B13 IS SUPPLEMENTARY AND IS NOT PART OF THE SCALE PIT REBAR

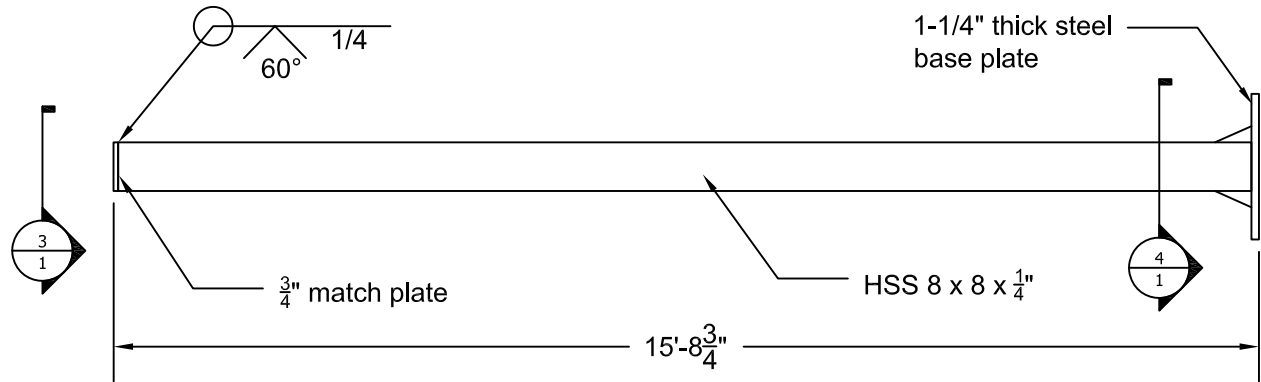


NOTE:
ALL REINFORCING STEEL TO BE ASTM A615 GRADE 60 DEFORMED.
ALL BENDING MUST BE COLD FORMED.

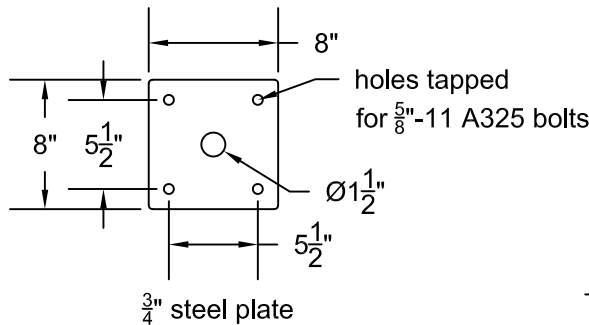
5					<div>CAT SCALE</div> <div>C.A.T. SCALE CO. P.O. Box 639 Walcott, Iowa 52773</div> <div>TITLE</div> <div>Shuttle Truck Stop 75 Lake City, FL 32024</div> <div>COPING DETAIL & REINFORCING STEEL DETAIL</div>			
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REV.	DATE	REVISION DESCRIPTION	DR.	APPVD.	SCALE	DR. TB	DATE	DRAWING NUMBER
REVISIONS					NONE	CHK'D MTN	1/2016	6



1 Elevation
Scale: 3/16" = 1'0"

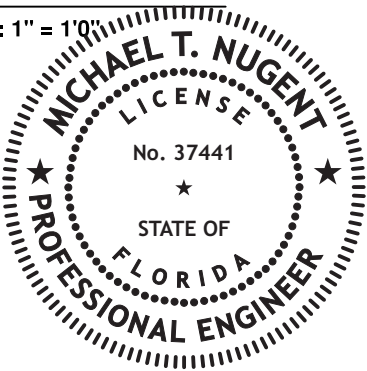


2 Column Detail
Scale: 3/8" = 1'0"

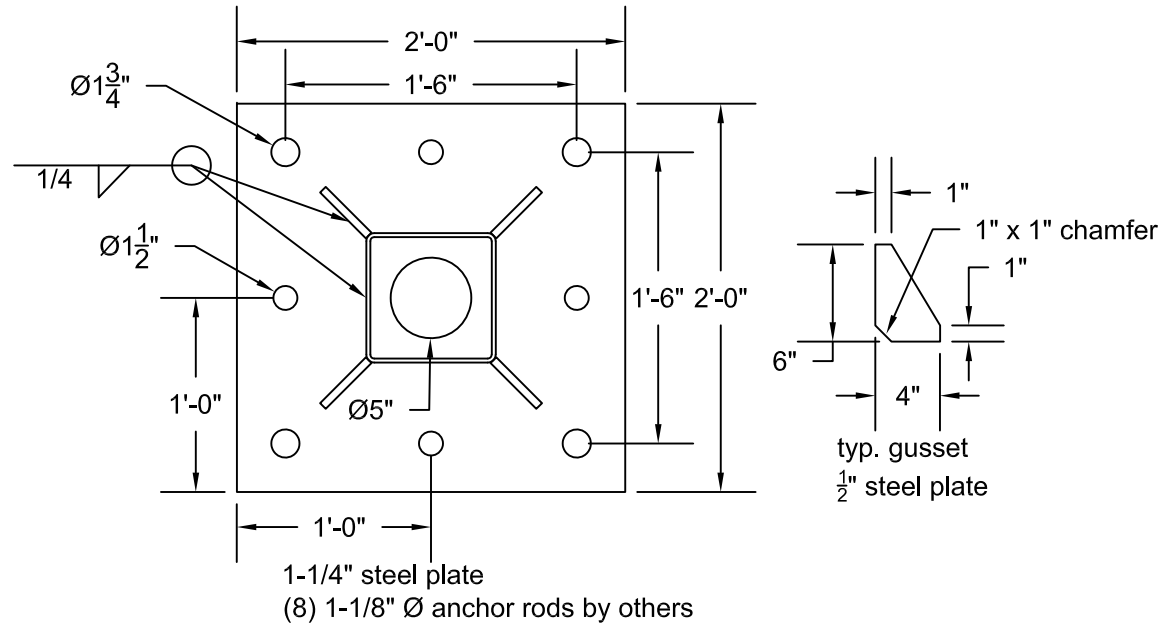


3 Match Plate
Scale: 1" = 1'0"

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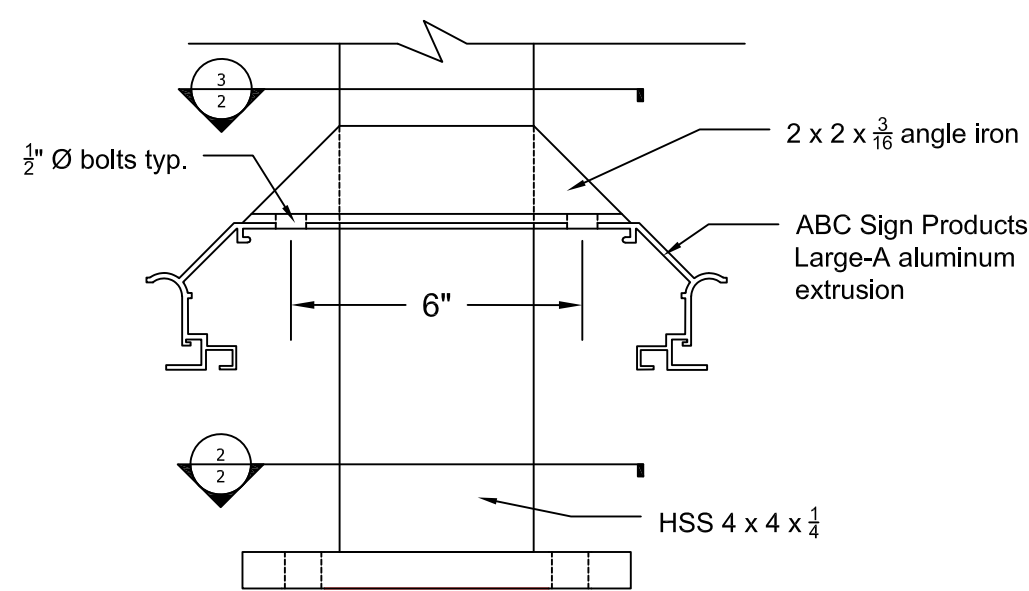
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4 Base Plate
Scale: 1" = 1'0"

- General Notes:
- All design, fabrication, construction, and installation shall conform to the following specifications unless specifically noted on the drawing:
 - Minimum requirements of 2012 and 2015 International Building Code
 - American Institute of Steel Construction, Inc., Steel Construction Manual (13th Edition)
 - American Welding Society ANSI/AWS D1.1 Structural Welding Code - Steel
 - All steel components shall be as listed here, unless noted otherwise:
 - All plates and bars shall be ASTM A36 or equal.
 - All structural tubing shall be ASTM A500, Gr. B or equal.
 - All bolted connections shall be made with SAE Grade 5 bolts or equal.
 - A325 bolts are required for match plate connection to base poles.
 - All welds shall be made with E70XX electrode or equal.
 - All exposed materials shall be properly protected from weathering and/or corrosion.
 - Extruded aluminum sign frame shall be 6063 alloy T6 temper.
 - Footing details are presented on pages 1 and 4 from the Scale Pit Drawings.
 - The structure has been designed to withstand a 115 mph (3-sec gust) design wind according to ASCE 7-10 (exposure C).
 - Drawings based on structural calculations completed by Sullaway Engineering dated 9-27-2017.
 - EAGLE SIGN CO. is in no way responsible for the safety of the work site during installation. The installer shall take appropriate measures to make sure the erection of the structure is preformed using methods in compliance with OSHA regulations.

5					 <div>EAGLE SIGN CO. 605 SW 37th Street Grimes, Iowa 50111</div>				
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REV.	DATE	REVISION DESCRIPTION		DR.	APPVD.	TITLE <div>Shuttle Truck Stop 75 Lake City, FL 32024</div> <div>CAT Scale – 115 MPH – Elevation</div>			
REVISIONS						SCALE as shown	DR. TJN CHK'D	DATE 11/2017	DRAWING NUMBER 1 of 2

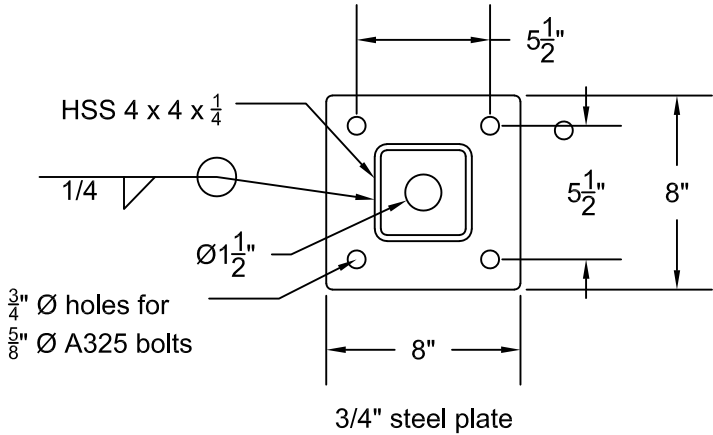


Cabinet detail and saddle attachment similar / typical at 4 locations (top and bottom) where stub poles meet ABC Large-A extrusion

1

Cabinet Detail

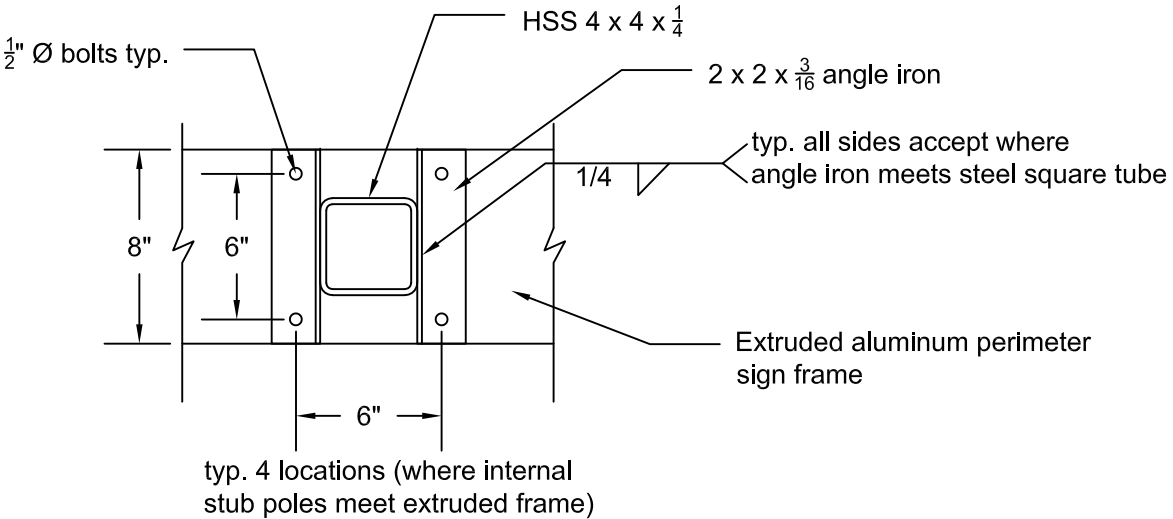
Scale: 3" = 1'0"



2

Match Plate

Scale: 1-1/2" = 1'0"



3

Saddle Detail

Scale: 1-1/2" = 1'0"

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8/19/20

MICHAEL T. NUGENT

LICENSE

No. 37441

★

STATE OF


FLORIDA

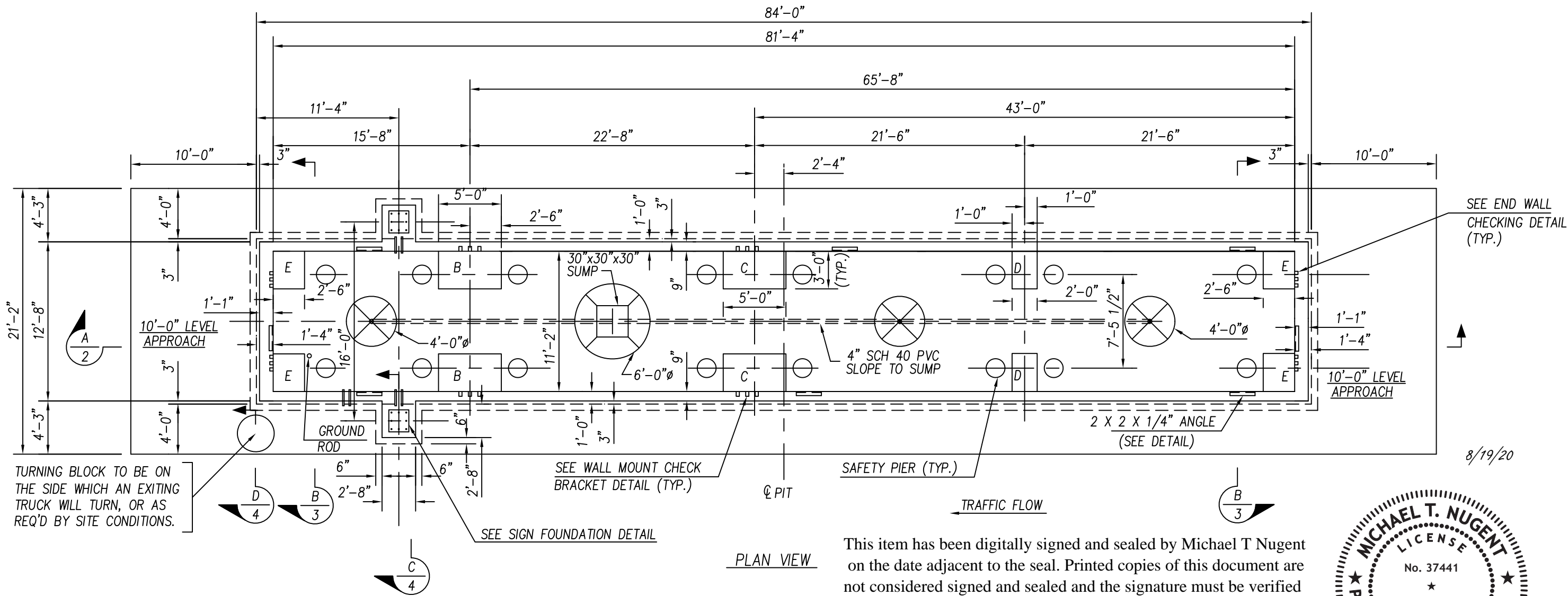
PROFESSIONAL ENGINEER

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Michael Nugent

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REV.	DATE	REVISION DESCRIPTION	DR.	APPVD.	TITLE Shuttle Truck Stop 75 Lake City, FL 32024 <i>CAT Scale – 115 MPH – Details</i>
REVISIONS					SCALE as shown
					DR. TJN CHK'D
					DATE 11/2017
					DRAWING NUMBER 2 of 2



NOTES:

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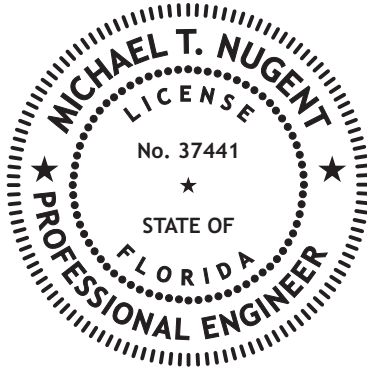
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12. PROVIDE MEANS SO THAT ADEQUATE DRAINAGE FOR THE PIT EXISTS. UTILIZE SUMP PUMPS TO INSURE THAT NO STANDING WATER CAN ACCUMULATE IN THE PIT.

FAIRBANKS

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REV.	DATE	REVISION DESCRIPTION		DR.	APPVD.	TITLE <div>Shuttle Truck Stop 75 Lake City, FL 32024 PLAN – 5’–0” DEEP SCALE PIT</div>				
REVISIONS						SCALE NONE	DR. CHK'D	TB MTN	DATE 1/2016	DRAWING NUMBER 1



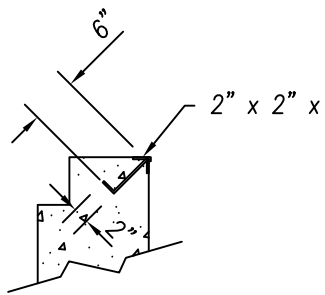
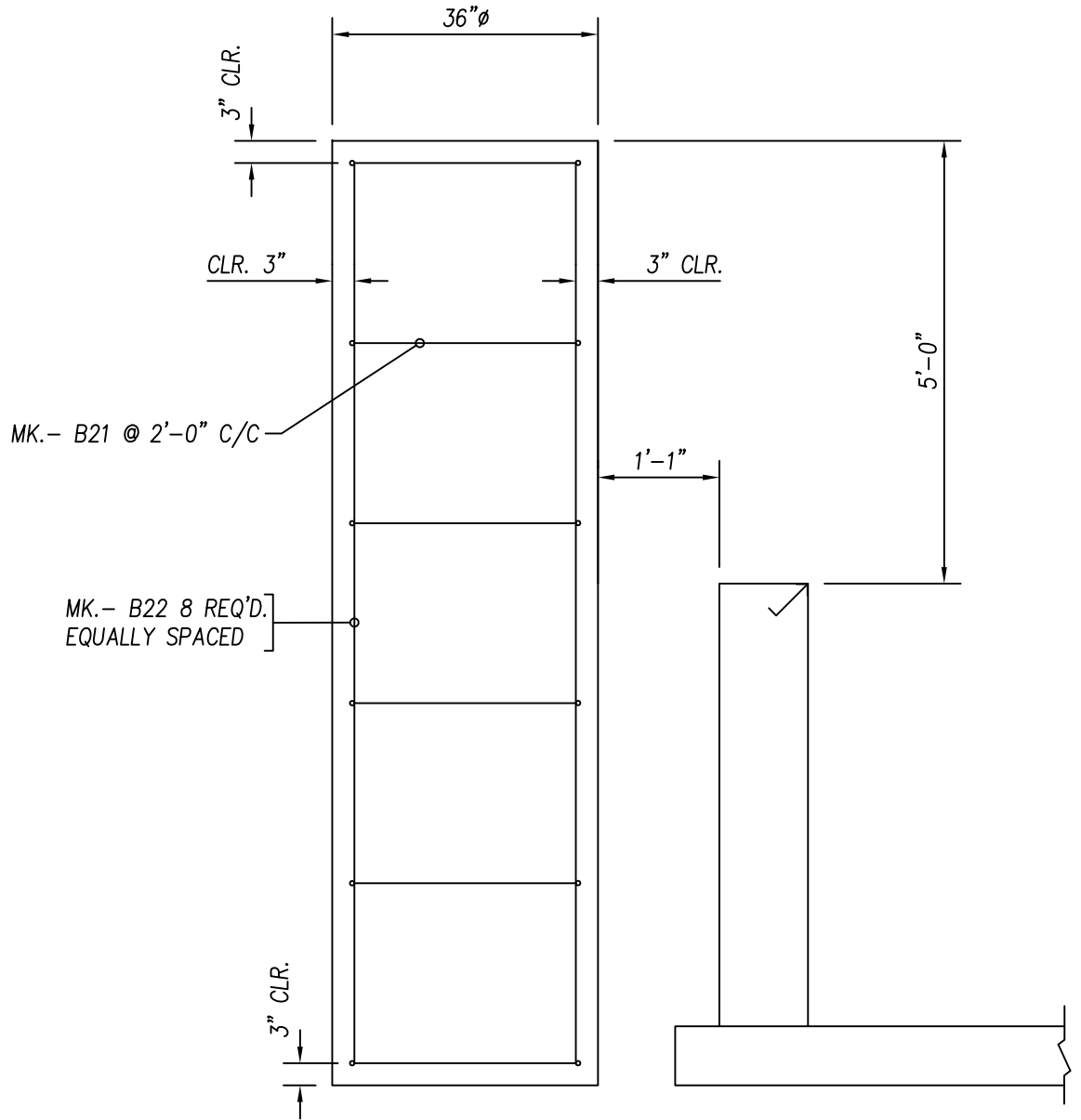
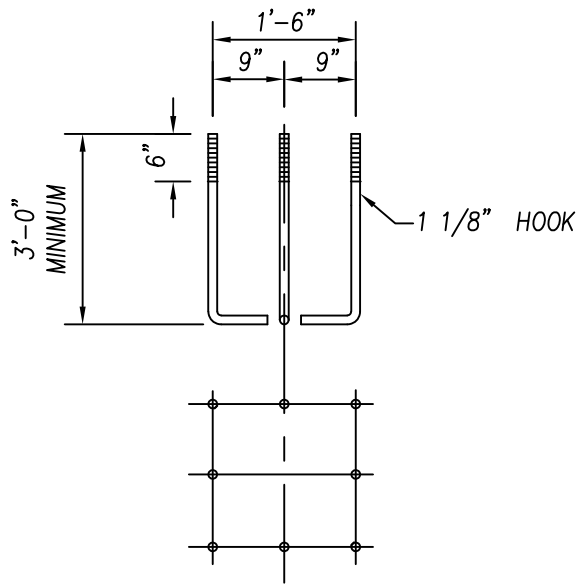
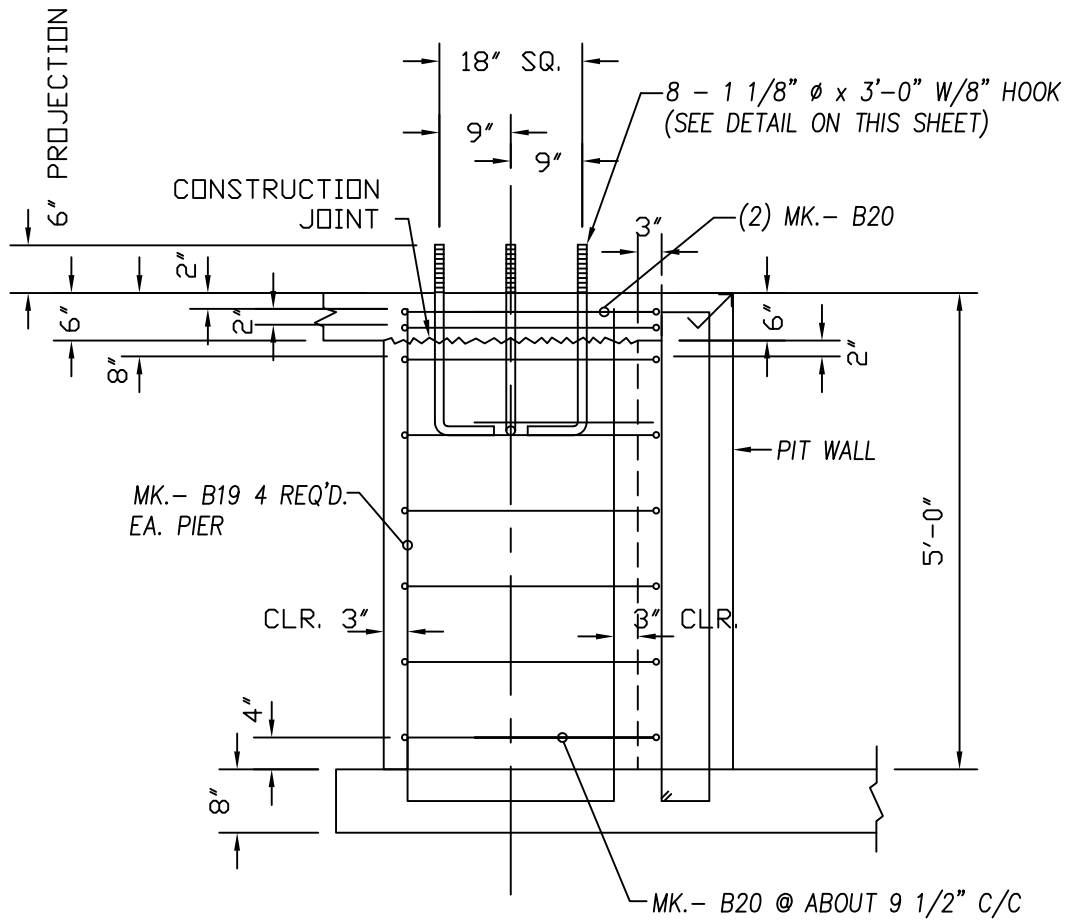
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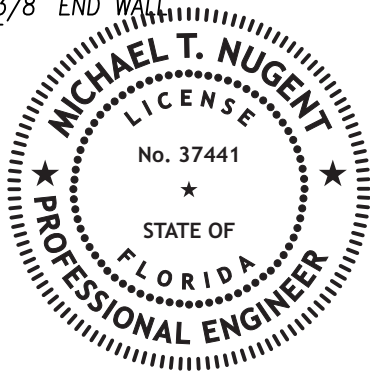
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REV.	DATE	REVISION DESCRIPTION	DR.	APPVD.	TITLE
REVISIONS					Shuttle Truck Stop 75 Lake City, FL 32024 SECTIONS C-C & D-D - CAT SCALE PIT
SCALE		DR.	TB	DATE	DRAWING NUMBER
NONE		CHK'D	MTN	1/2016	4