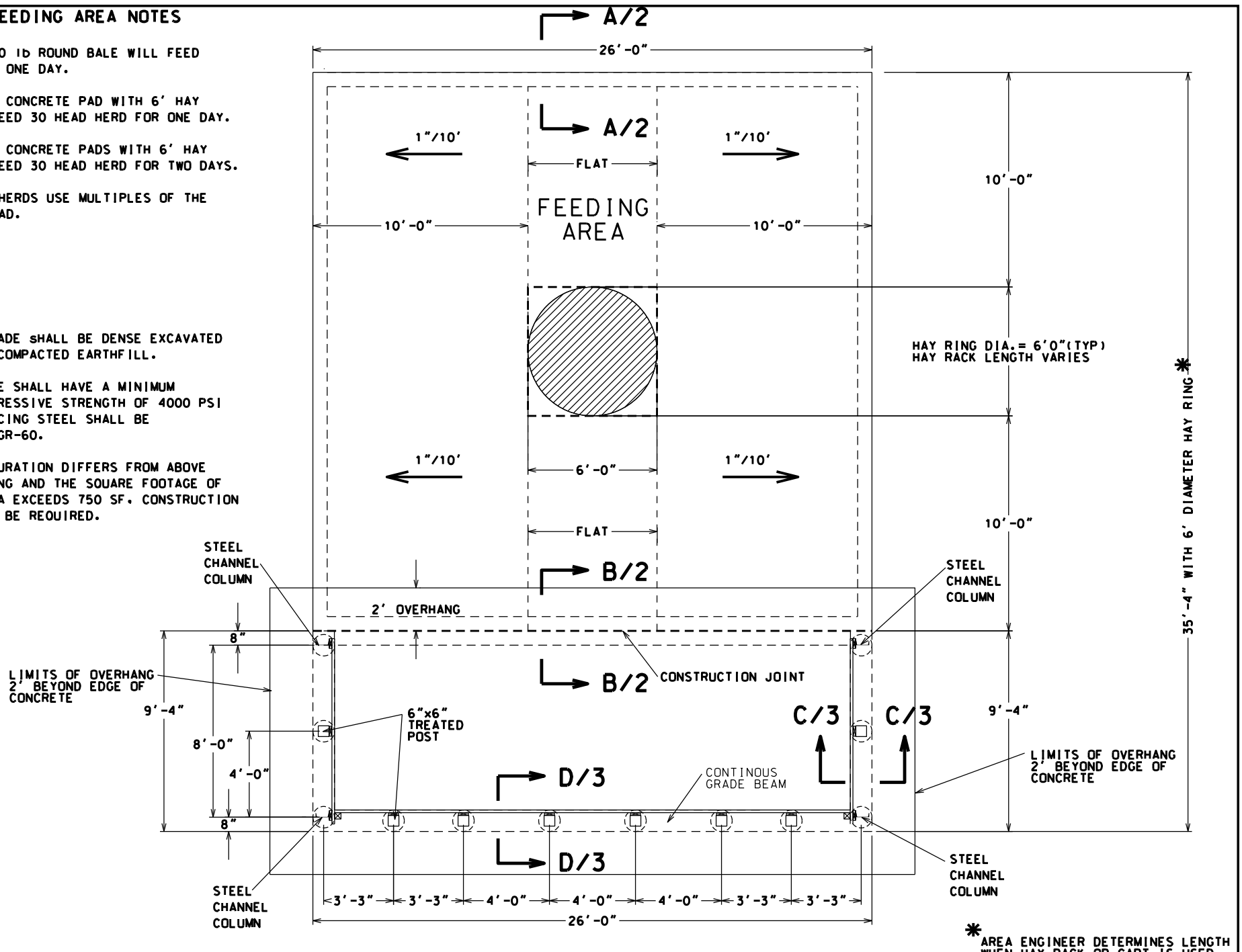
WINTER FEEDING AREA NOTES

1. ONE 900-1000 lb ROUND BALE WILL FEED 30 HEAD FOR ONE DAY.
2. 1-26'x35'4" CONCRETE PAD WITH 6' HAY RING WILL FEED 30 HEAD HERD FOR ONE DAY.
3. 2-26'x35'4" CONCRETE PADS WITH 6' HAY RING WILL FEED 30 HEAD HERD FOR TWO DAYS.
4. FOR LARGER HERDS USE MULTIPLES OF THE 26'x35'4" PAD.

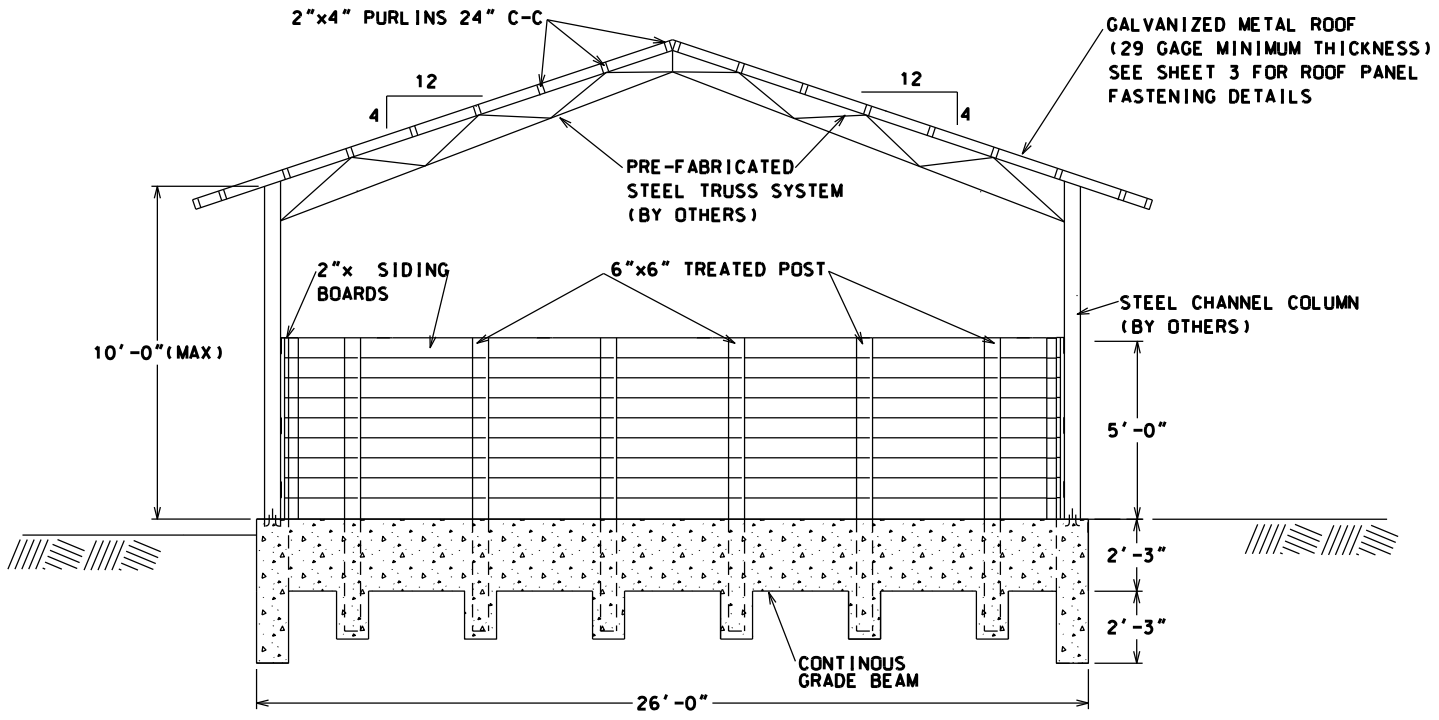
NOTES:

1. EARTH SUBGRADE SHALL BE DENSE EXCAVATED SURFACE OR COMPACTED EARTHFILL.
2. ALL CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI AND REINFORCING STEEL SHALL BE ASTM A-615.GR-60.
3. WHEN CONFIGURATION DIFFERS FROM ABOVE WITH HAY RING AND THE SQUARE FOOTAGE OF FEEDING AREA EXCEEDS 750 SF. CONSTRUCTION JOINTS WILL BE REQUIRED.



* AREA ENGINEER DETERMINES LENGTH WHEN HAY RACK OR CART IS USED

CONCRETE HEAVY USE AREA
PLAN VIEW



CONCRETE HEAVY USE AREA
END VIEW

NOTE:

THE METAL FRAME SUPERSTRUCTURE SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER (LA-PE) AND APPROVED BY THE STATE CONSEVATION ENGINEER PRIOR TO INSTALLATION.

NOTE:

THE METAL FRAME FABRICATOR IS REQUIRED TO PROVIDE A DRAWING SHOWING THE MATERIAL PROPOSED FOR USE IN THE LATERAL BRACING FOR THE BOTTOM CHORD AND COMPRESSION FLANGE OF THE FRAME. AND "X" BRACING DETAILS IN THE LONGITUDINAL DIRECTION OF THE BUILDING AND HOW THEY ARE TO BE INSTALLED.

NOTE: FOR STRUCTURES SOUTH OF I-10/I-12 AND ST. TAMMANY PARISH CONSULT STATE CONSERVATION ENGINEER BEFORE USING THIS DESIGN.

PG. S-6-128

NO.	DATE	REVISIONS APPROVED	TITLE

STANDARD DWG. NO. LA S-6-59

SHEET 1 OF 4

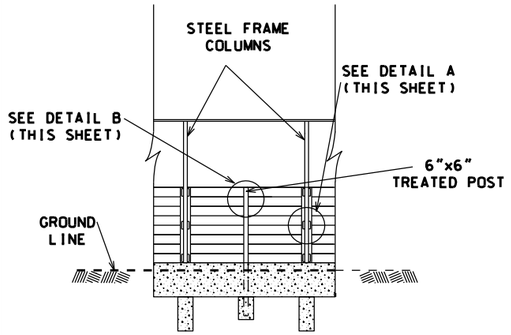
DATE 07/09

SHEET 1 OF 4 | 00/00/00 00:00 | DRAWING NAME FIG.S-6-59 | FILE NAME LA S-6-59

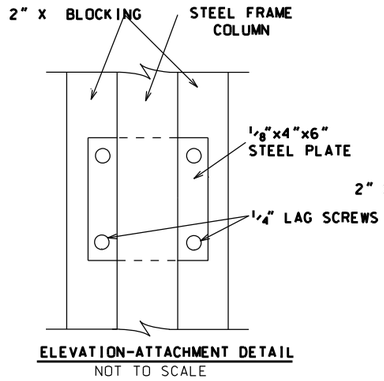
NRCS Natural Resources Conservation Service United States Department of Agriculture

CONCRETE HEAVY USE AREA FOR WINTER FEEDING TYPICAL DRAWING

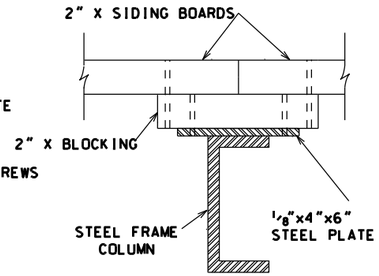
		DATE
DESIGNED	E.J. GIERING	7/09
DRAWN	A. GREMILLION	7/09
CHECKED	M. KENNEDY	7/09
APPROVED	E. J. GIERING	7/09



ELEVATION VIEW
NOT TO SCALE

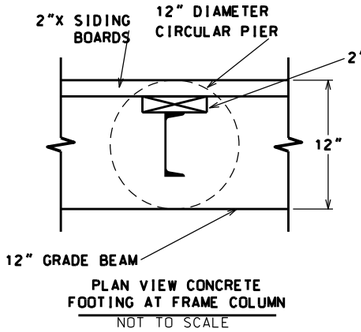


ELEVATION-ATTACHMENT DETAIL
NOT TO SCALE

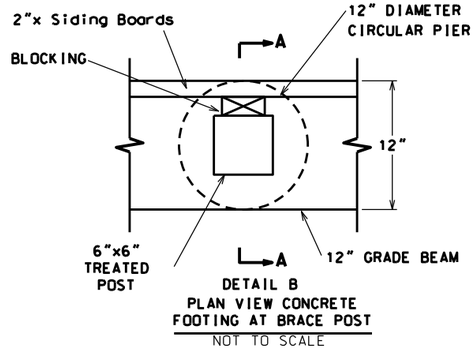


PLAN-ATTACHMENT DETAIL
NOT TO SCALE

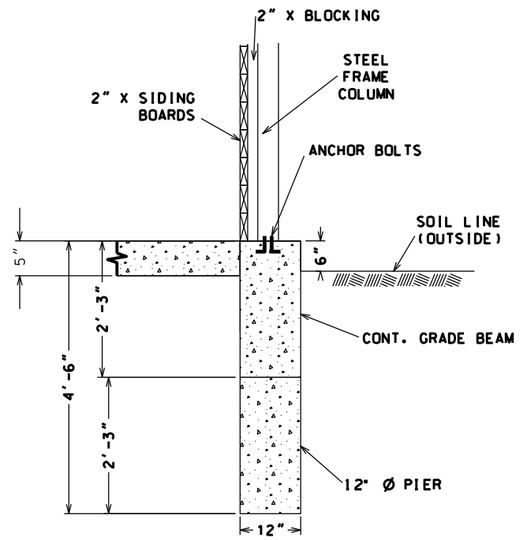
STEEL PLATE ATTACHMENT DETAIL



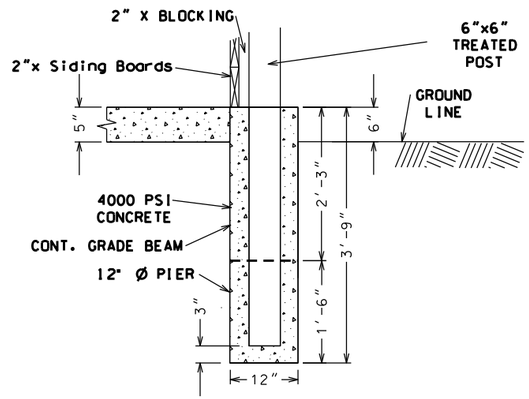
PLAN VIEW CONCRETE FOOTING AT FRAME COLUMN
NOT TO SCALE



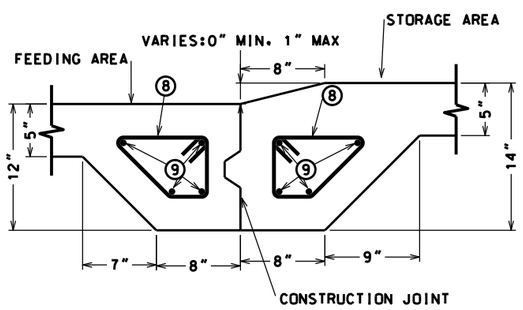
DETAIL B
PLAN VIEW CONCRETE FOOTING AT BRACE POST
NOT TO SCALE



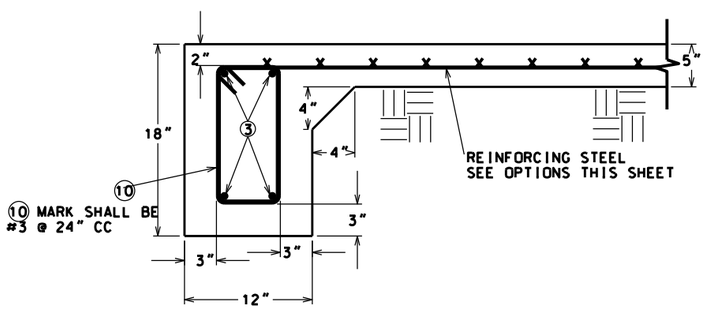
CONCRETE FOOTING AT COLUMN
NOT TO SCALE



CONCRETE FOOTING AT WOOD POST
NOT TO SCALE



SECTION "B-B/1"
NOT TO SCALE



SECTION "A-A/1"
NOT TO SCALE

5-INCH SLAB REINFORCEMENT MAY BE ANY OF THE FOLLOWING:

1. #3 BARS @ 18" C-C EACH WAY
2. 1 LAYER OF 6X6 - W2.9 X W2.9 WELDED WIRE FABRIC

GENERAL NOTES:

1. Wind loads were calculated as required by INTERNATIONAL BUILDING CODE,2009 EDITION for 90 MPH wind load.
2. Design soil bearing capacity is assumed to be 1500 PSF.
3. This design is only for use in constructing the footings, and the internal waste storage bin components. It in no way construes the adequacy of the building frame which is designed by other entities. Building frame to be attached to footings as per designer's recommendations.
4. The foundation design shown hereon has been based on a 26' span, 4:12 roof pitch, a minimum roof live load of 10 psf, no earthquake loading factor, 10' eave height, 8' frame spacing & a 5' high dry stacked waste load on the side walls. For conditions other than these contact the area engineer.

CONSTRUCTION NOTES:

1. Construction site shall be cleared of all trees, roots, brush, and debris. Unsuitable foundation soils shall be removed from the construction site and replaced with suitable compacted earthfill.
2. All lumber shall be Southern Yellow Pine No. 2 or better.
3. All lumber, with the exception of purlins, shall be pressure treated to a minimum retention of 0.4 p.c.f. ACQ or CCA (Type A, B, or C), or 0.41 p.c.f. CBA-A, or 0.21 p.c.f. CA-B.
4. All concrete shall have a minimum strength of 4000 p.s.i. and reinforcing steel shall be grade 60.
5. The bottom grade of all concrete footings shall be a minimum of 2.0' below the undisturbed parent soil.
6. Lumber for waste storage walls shall have a minimum 2" nominal thickness.
7. All nails and screws in contact with ACQ, CBA-A or CA-B treatments shall be hot-dipped galvanized or stainless steel. All others shall be zinc-coated.
8. Boards for litter storage wall shall be attached to steel columns by welding a 1/8"x4"x6" steel plate to the column. Four holes shall be drilled at each of the four plate corners. Boards shall be fastened to the plate using 1/4" lag screws. (See Steel Plate Attachment Detail)
9. Coal tar epoxy paint shall be applied to steel plates and columns to a height equal to that of the top board of the litter storage wall.

DESIGNED	E.J. GIERING	DATE 7/09
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APPROVED	E. J. GIERING	7/09

CONCRETE HEAVY USE AREA FOR WINTER FEEDING TYPICAL DRAWING

NRCS
Natural Resources Conservation Service
United States Department of Agriculture

FILE NAME
LA S-6-59

DRAWING NAME
FIG.S-6-59

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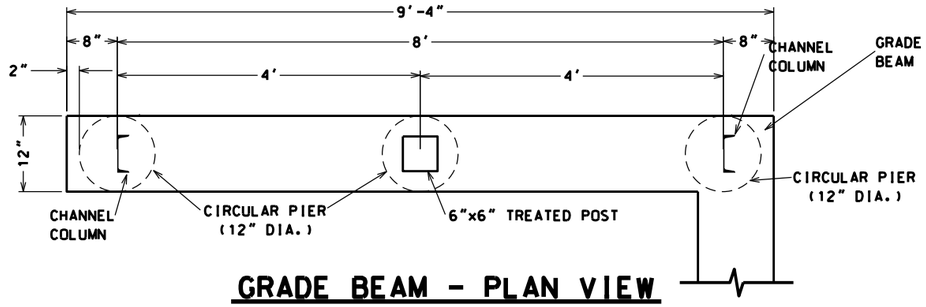
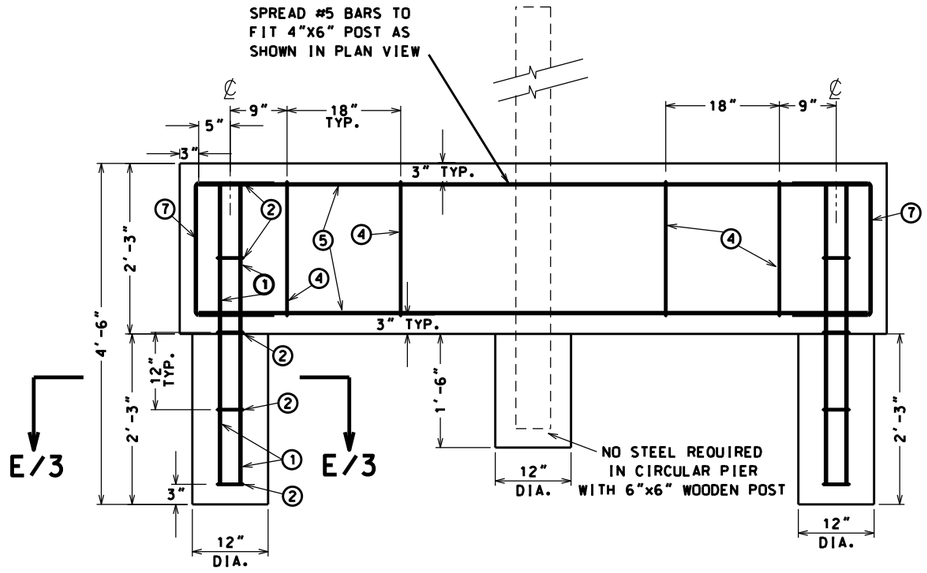
SHEET 2 OF 4

STANDARD DWG. NO. LA S-6-59	
DATE 07/09	SHEET 2 OF 4

REVISIONS			
NO.	DATE	APPROVED	TITLE



GRADE BEAM - PLAN VIEW



GRADE BEAM - ELEVATION VIEW

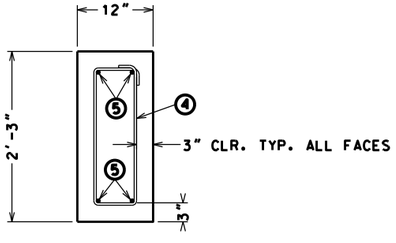
STEEL REQUIREMENTS AND DIMENSIONS ARE THE SAME FOR ALL CIRCULAR PIERS AT FRAME COLUMNS. SEE FIRST PIER AS TYPICAL

MARK	SIZE	QUANITY	TYPE	BAR LENGTH	A	B	C	D	E	G	LAP	UNIT WT.
1	#5	4 PER CIR. PIER	STR.	4'-0"								1.043
2	#3	T.B.D.	T2	1'-9 1/2"	2 1/4"	4 1/4"	4 1/4"	4 1/4"	4 1/4"	2 1/4"		0.376
3	#6	T.B.D.	STR.	CONT.							14"	1.043
4	#3	T.B.D.	T2	4'-10 1/2"	2 1/4"	21"	6"	21"	6"	2 1/4"		0.376
5	#5	T.B.D.	STR.	8'-10"								1.043
6	#5	T.B.D.	STR.	25'-6"							14"	1.043
7	#3	T.B.D.	BENT	3'-9"	12"	21"	12"					0.376
8	#3	T.B.D.	T2	2'-7"	2 1/4"	8 3/4"	8"	3 3/4"	6"	2 1/4"		0.376
9	#5	T.B.D.	STR.	25'-0"							14"	1.043
10	#3	T.B.D.	T2	2'-8 1/2"	2 1/4"	13"	6"	13"	6"	2 1/4"		0.376

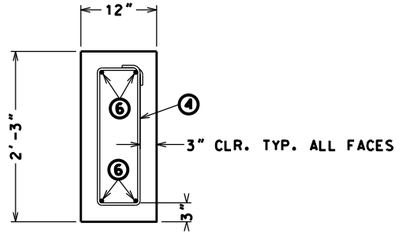
STEEL SCHEDULE
PER GRADE BEAM & CIRCULAR PIER

MARK ② & ④ & ⑩
TYPE T2

MARK ⑦
BENT



SECTION "C-C/1"



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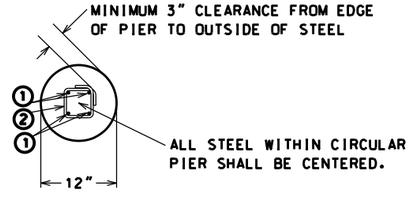
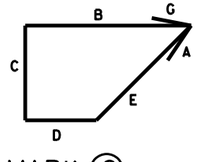


SECTION "E-E/3"



MARK ⑧
TYPE T2

DESIGNED	E.J. GIERING	DATE 7/09
DRAWN	A. GREMILLION	7/09
CHECKED	M. KENNEDY	7/09
APPROVED	E. J. GIERING	7/09

CONCRETE HEAVY USE AREA FOR WINTER FEEDING TYPICAL DRAWING

NRCS
Natural Resources Conservation Service
United States Department of Agriculture

FILE NAME
LA S-6-59

DRAWING NAME
FIG.S-6-59

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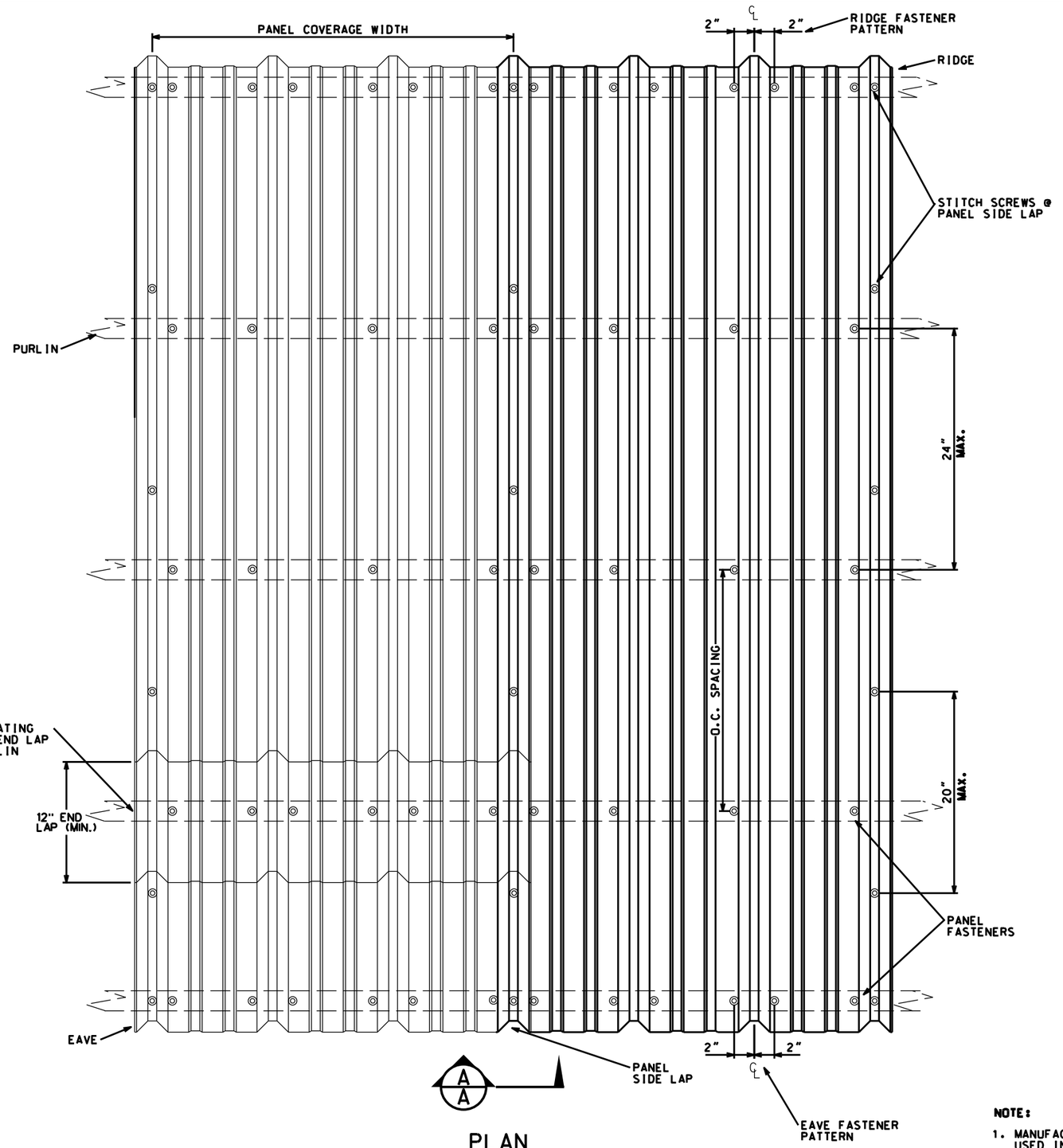
SHEET 3 OF 4

REVISIONS			
NO.	DATE	APPROVED	TITLE

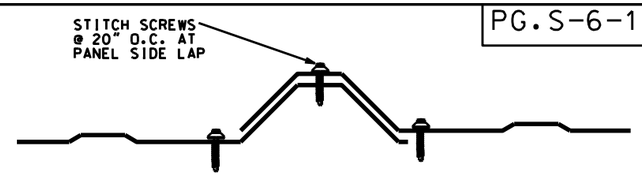
STANDARD DWG. NO. LA S-6-59	
DATE 07/09	SHEET 3 OF 4



PLAN
ROOF PANEL

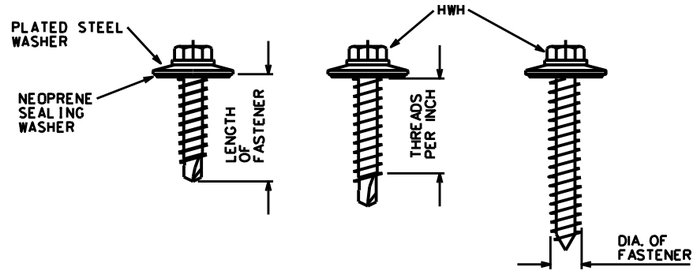
1 1/2 0 1 2 3

SCALE IN FEET



SECTION A-A
LAP/SCREW DETAILS

(NOT TO SCALE)



TYPICAL HEX HEAD SELF DRILLER SCREW PANEL TO PANEL CONNECTION

TYPICAL HEX HEAD SELF DRILLER SCREW PANEL TO METAL PURLIN CONNECTION

TYPICAL HEX HEAD SHARP POINT WOODFAST SCREW PANEL TO WOOD PURLIN CONNECTION

STITCH SCREW

PANEL FASTENER FOR METAL PURLIN

PANEL FASTENER FOR WOOD PURLIN

FASTENER DETAILS

FASTENER NOMENCLATURE:

EXAMPLE: NO.12-14 X 1" HWH
- NO.12 - DIAMETER OF FASTENER (HIGHER THE NUMBER THE LARGER THE DIAMETER)
- 14 - THREADS PER INCH. (TPI)
- 1" - LENGTH OF FASTENER
- HWH - HEX WASHER HEAD

FASTENER AND STICH SCREW SIZES:

1. STITCH SCREW SHALL BE NO. 14 X 3/4" HWH
2. PANEL FASTENERS SHALL BE NO. 12-14 X 1" HWH
3. WOODFAST SCREW SHALL BE NO. 9-15 X 1 1/2" HWH
4. ALL FASTENERS SHALL HAVE A SEPERATE 5/8" O.D. PLATED STEEL WASHER AND A BONDED NEOPRENE SEALING WASHER.

FASTENER SPACING:

1. EAVE AND RIDGE FASTENER PATTERN SHALL BE 2 INCHES FROM THE CL OF THE PANEL RIDGE ON EACH SIDE OF PANEL RIDGE.
2. STICH SCREW SPACING SHALL BE 20" O.C. (MAX) AT PANEL SIDE LAP.
3. PANEL TO PURLIN FASTENER SPACING SHALL BE ON ONE SIDE OF PANEL RIDGE EXCEPT AT PANEL END AND SIDE LAPS.

NOTE:

1. MANUFACTURERS RECOMMENDATIONS MAY BE USED IN LIEU OF THE SPECIFICATIONS STATED ABOVE IF THE MANUFACTURER SUPPLIES WRITTEN FASTENING PATTERN DETAILS OR IF THE MANUFACTURER'S WARRANTY COULD BE VOIDED.
2. THE MANUFACTURERS RECOMMENDATIONS SHALL BE SUBMITTED IN WRITING TO THE LOCAL NRCS FIELD OFFICE PRIOR TO CONSTRUCTION.
3. FASTENER SIZES AND ATTACHMENT REQUIREMENTS SHALL MEET MANUFACTURER'S RECOMMENDATIONS.

	DESIGNED	DRAWN	CHECKED	APPROVED
	E.J. GIERING	A. GREMILLION	M. KENNEDY	E. J. GIERING
DATE	07/09	07/09	07/09	07/09

CONCRETE HEAVY USE AREA FOR WINTER FEEDING TYPICAL DRAWING

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SHEET 4 OF 4

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DATE 07/09 | SHEET 4 OF 4