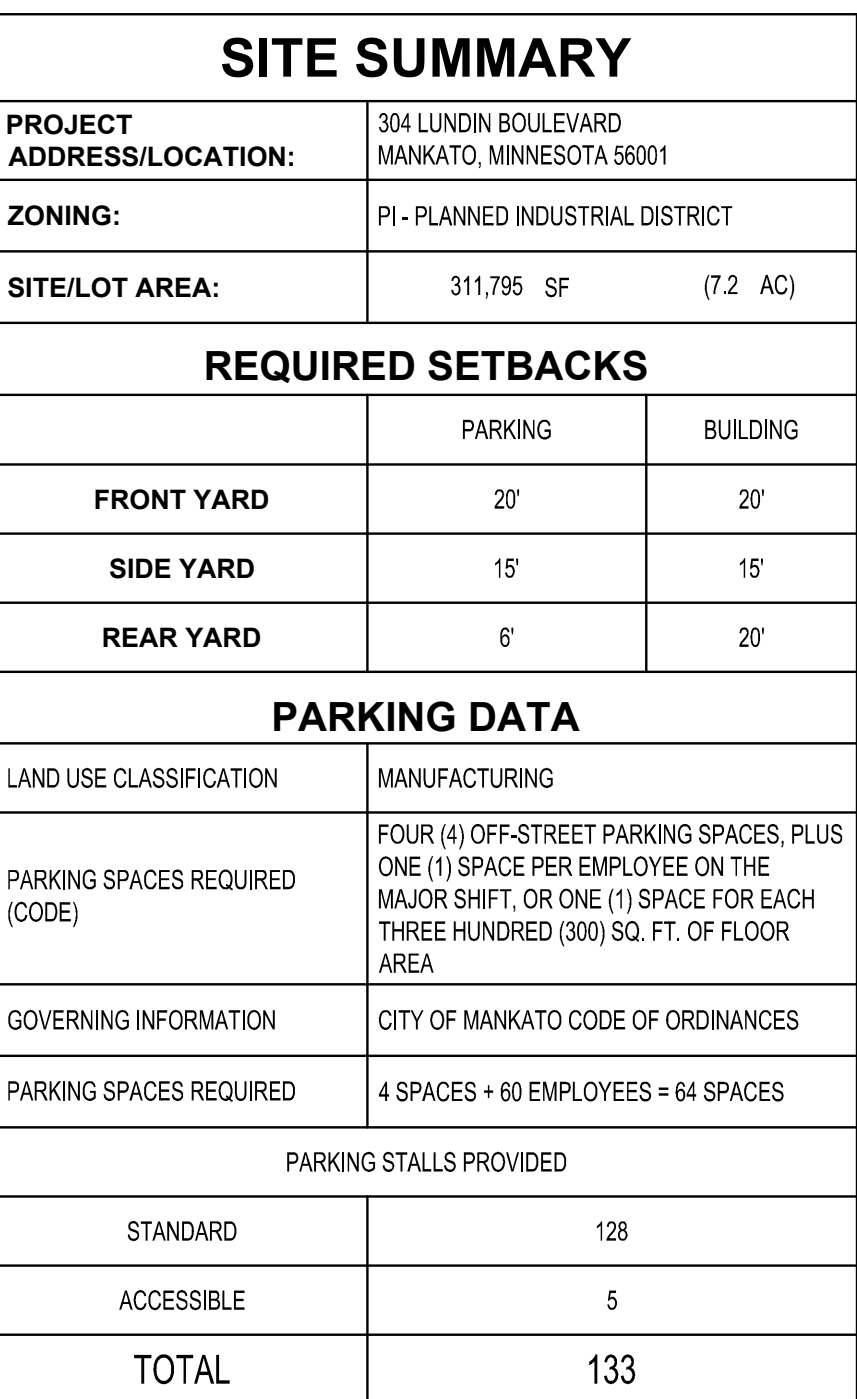


EXISTING		PROPOSED
EX STM MH	STORM MANHOLE	
EX CB	STORM CATCH BASIN	
EX CO	STORM CLEANOUT	
	STORM CULVERT	
	DOWNSPOUT	
	ROOF DRAIN	
EX SAN MH	SANITARY MANHOLE	
EX CO	SANITARY CLEANOUT	
EX LIFT STATION	LIFT STATION	
	WATER REDUCER	
	WATER VALVE	
	WATER VALVE MAHOLE	
	WATER CURB STOP	
	WATER SHUT-OFF	
EX POST INDICATOR VALVE	POST INDICATOR VALVE	
	FIRE DEPARTMENT CONNECTION	
	WELL	
EX MW	MONITORING WELL	
	LAWN SPRINKLER BOX	
	LAWN SPRINKLER HEAD	
	HYDRANT	
EX YARD HYD	YARD HYDRANT	
	UTILITY POLE	
	LIGHT POLE	
	GROUND LIGHT	
	GUY WIRE	
	TRANSFORMER	
	HANDHOLE	
EX ELECTRIC MH	ELECTRIC MANHOLE	
	ELECTRIC METER	
	UTILITY VAULT	
	AIR CONDITIONER	
	GAS METER	
	GAS VALVE	
SB-1	SOIL BORING	
	FLAG POLE	
	MAILBOX	
EX SIGNAL	TRAFFIC SIGNAL	
	SIGN	
	STREET SIGN	
	WHEEL STOP	
RR	RAILROAD CROSSING SIGN	
	POST	
	DECIDUOUS TREE	
	CONIFEROUS TREE	
	BUSH	
	TREE STUMP	
	WETLAND / MARSH	
	ROCK / BOULDER	

EXISTING		PROPOSED	
— — — — — >> — — — — —	STORM DRAIN	— — — — — >> — — — — —	
— — — — — > — — — — —	SANITARY SEWER	— — — — — > — — — — —	
— — — — — II> — — — — —	SANITARY SEWER FORCEMAIN	— — — — — II> — — — — —	
— — — — — — — — — —	WATER MAIN	— — — — — — — — — —	
— — — — — G — — — — —	GAS	— — — — — G — — — — —	
— — — — — OE — — — — —	OVERHEAD ELECTRIC	— — — — — OE — — — — —	
— — — — — UE — — — — —	UNDERGROUND ELECTRIC	— — — — — UE — — — — —	
— — — — — UT — — — — —	UNDERGROUND TELEPHONE	— — — — — UT — — — — —	
— — — — — UTV — — — — —	UNDERGROUND TV	— — — — — UTV — — — — —	
— — — — — OHL — — — — —	OVERHEAD UTILITY	— — — — — OHL — — — — —	
— — — — — UTL — — — — —	UNDERGROUND UTILITY	— — — — — UTL — — — — —	
— — — — — FO — — — — —	FIBER OPTIC	— — — — — FO — — — — —	
— — — — — WET — — — — —	WETLAND	— — — — — WET — — — — —	
— — — — — W — — — — —	WATER EDGE	— — — — — — — — — —	
~~~~~>~~~~~>~~~~~	DITCH / SWALE	~~~~~>~~~~~>~~~~~	
— — — — — x — — — — — x — — — — —	FENCE LINE	— — — — — x — — — — — x — — — — —	
~~~~~	TREE LINE	~~~~~	
— — — — — — — — — —	PROPERTY / LOT LINE	— — — — — — — — — —	
— — — — — — — — — —	RIGHT OF WAY LINE	— — — — — — — — — —	
— — — — — Δ — — — — — Δ — — — — —	ACCESS CONTROL	— — — — — — — — — —	
-----	EASEMENT LINE	-----	

NOTE:
CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES.

ADA	AMERICANS WITH	GC	GENERAL	PVC	POLYVINYL
ADL	DISABILITIES ACT	CONTRACTOR	CONTRACTOR	CONTRACTOR	CHLORIDE
ADD	ADD	CONCRETE FLOOR	CONCRETE FLOOR	PMVT	PAVEMENT
ABF	ABOVE FINISHED	GL	ELEVATION	QTY	QUANTITY
FLOOR	FLOOR	GFE	ELEVATION	R	RM
AGG	AGGREGATE	GP	GALVANS PER	RAD	RADIUS
APPROX	APPROXIMATE	GMV	MINUTE	RCP	REINFORCED
ARCH	ARCHITECT	GV	GAVE VALVE	CONC	CONCRETE PIPE
ARCHIT	ARCHITECTURAL	HUPE	HIGH DENSITY	RF	ROOF DRAIN
BASE	BASEMENT FLOOR	HDPE	HIGH DENSITY	REBAR	REINFORCING BAR
ELEV	ELEVATION	HV	HEAVY DUTY	REM	REMOVE
BIT	BITUMINOUS	HI	HAND-HELD	ROW	RIGHT OF WAY
BUILD	BUILDING	HMC	HOT MIX ASPHALT	RW	RIGHT OF WAY
BA	BENCH MARK	HORZ	HORIZONTAL	SAN	SANITARY
CAD	COMPUTER-AIDED	HR	HOUR	SCH	SCHEDULE
CG	CATCH BASIN	HRL	HIGH WATER LEVEL	SC	SCORE FOOT
CB	CUBIC FEET	HWHY	HIGHWAY	SPEC	SPECIFICATION
CD	SECOND	HWD	HYD	SQ	SQUARE
CF	CUBIC FOOT	I	INVERT	SQ	SQUARE
CI	CAST IRON PIPE	ID	INSIDE DIAMETER	STM	STORM
CIP	CAST IN PLACE	IN	INCH	ST	SQUARE YARD
CIPC	CONCRETE	IN	INCH	TIC	TOP OF CURB
CL	CAST IRON JOINT	IN	INCH	TEL	TELEPHONE
CL	CENTERLINE	IPS	IRON PIPE SIZE	TEMP	TEMPERATURE
CL	CORRUGATED	J	JOINT	THRU	THROUGH
CMP	METAL PIPE	J-BOX	JUNCTION BOX	THRU	THRU TO FIRE
CONC	CONCRETE	LF	LINEAL FEET	TNPH	TEMPORARY
CONC	CONCRETE	LN	LINEAR	TRANS	TRANSFORMER
CONST	CONSTRUCTION	LP	LOW PRESSURE	TV	TELEVISION
CONST	CONSTRUCTION	STEAM	STEAM	TW	TWO OF WALL
CR	COUNTRY ROAD	LIN	LINEAL	TY	TYPICAL
CY	CUBIC YARD	LS	LOWEST	UNDER	UNDERGROUND
C&G	CURBS AND GUTTER	MAX	MAXIMUM	UP	UNDERPINE
DEMO	DEMOLITION	MB	MAX BOX	VCP	VERTICAL CLAY PIPE
DI	DROP IN	MECH	MECHANICAL	WO	WITHOUT
DIAMETER	DIAMETER	M	MEASURABLE	W	WITH
DI	DIMENSION	M	MEASURABLE	YD	YARD
DS	DOWNSPOUT	MISC	MISCELLANEOUS	YR	YEAR
EA	EACH	NO	NUMBER		
ELEC	ELECTRICAL	NTS	NOT TO SCALE		
ELEV	ELEVATION	NW	NUMBER		
EOP	EMERGENCY	OC	ON CENTER		
EQ	EQUIPMENT	OCEN	ON CENTER EACH		
EX	EXISTING	OCEN	ON CENTER EACH		
FG	FINISH GRADE	OH	OVERHEAD		
FD	FIRE DEPARTMENT	OHV	ORDINARY HIGH		
CON	CONNECTION	OHV	OVERHEAD WATER		
FDC	FOUNDATION	OHV	OVERHEAD WATER		
FED	FLARED END	OC	ONCE		
FE	FEET	OC	ON CENTER		
FIN	FINISHED FLOOR	PCC	PORTLAND CEMENT		
FES	FEET	PCC	PORTLAND CEMENT		
FEL	ELEVATION	PE	PEDESTAL		
FPM	FEET PER MINUTE	PERF	PERFORATED		
FP	FEET PER SECOND	PP	POLYPROPYLENE		
FT	FOOT	PL	POLY LINE		
FTG	FOOTING	PP	POLYPROPYLENE		
GA	GALV	PSI	POUNDS PER		
GAL	GALVANIZED	PSI	SQUARE INCH		



C0-10 SITE DATA
C0-20 DETAILS
C0-21 DETAILS
C0-22 DETAILS
C2-10 EXISTING SITE AND REMOVAL PLAN
C3-10 SITE AND UTILITY PLAN
C4-10 GRADING PLAN
C5-10 SITE RESTORATION AND PLANTING PLAN
C5-20 LANDSCAPE DETAILS
E2-01 SITE PHOTOMETRIC PLAN

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

BRYAN M. PETZEL

DATE _____ LIC. NO. **53191**

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR
REPORT WAS PREPARED BY ME OR UNDER MY DIRECT
SUPERVISION AND THAT I AM A DULY LICENSED
LANDSCAPE ARCHITECT UNDER THE LAWS OF THE
STATE OF MINNESOTA.

BRETT A. HARRIS

DATE _____ LIC. NO. 60537

SHEET NOT VALID UNLESS THIS TEXT IS COLOR

THIS DOCUMENT IS THE PROPERTY OF I & S GROUP, INC. AND MAY NOT BE USED, COPIED OR DUPLICATED WITHOUT PRIOR WRITTEN CONSENT.
© 2024 I & S GROUP, INC.

PROJECT

**ROLLS ROYCE
SOLUTIONS
AMERICA, INC**

LUNDIN LPR

MANKATO MINNESOTA

[illegible]

PROJECT NO.	25-32426
-------------	----------

FILE NAME	32426-C0-GENERA
-----------	-----------------

DRAWN BY	AAQ
DESIGNED BY	AAQ/DMP

DESIGNED BY	AAQ/BMP
REVIEWED BY	BMP

ORIGINAL ISSUE DATE

CLIENT PROJECT NO. 118

TITLE

SPECIFICATIONS REFERENCE

ALL CONSTRUCTION SHALL COMPLY WITH THE CITY OF MANKATO REQUIREMENTS AND MNDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION, 2020 EDITION, THE STANDARD SPECIFICATIONS FOR SANITARY SEWER, STORM DRAIN AND WATERMAIN AS PROPOSED BY THE CITY ENGINEERS ASSOCIATION OF MINNESOTA, 2023 EDITION, AND THE CURRENT VERSION OF THE MINNESOTA STATE PLUMBING CODE UNLESS DIRECTED OTHERWISE.

HORIZONTAL COORDINATES HAVE BEEN REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83), 1996 ADJUSTMENT (NAD83(1996)) ON THE BLUE EARTH COUNTY COORDINATE SYSTEM, IN U.S. SURVEY FEET. ELEVATIONS HAVE BEEN REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). RTK GPS METHODS WERE USED TO ESTABLISH HORIZONTAL AND VERTICAL COORDINATES FOR THIS PROJECT.

THIS PROJECT'S TOPOGRAPHIC SURVEY CONSISTS OF DATA COLLECTED IN MARCH 2025 BY ISG.

B.M. ELEVATION=836.27

C0-10

1. ALL WORK SHALL CONFORM TO THE CONTRACT DOCUMENTS, WHICH INCLUDE, BUT ARE NOT LIMITED TO, THE OWNER - CONTRACTOR AGREEMENT, THE PROJECT MANUAL (WHICH INCLUDES GENERAL SUPPLEMENTARY CONDITIONS AND SPECIFICATIONS), DRAWINGS OF ALL DISCREPANCIES AND ALL ADDENDA, MODIFICATIONS, AND CLARIFICATIONS ISSUED BY ARCHITECT/ENGINEER.
2. CONTRACT DOCUMENTS SHALL BE ISSUED TO ALL SUBCONTRACTORS BY THE GENERAL CONTRACTOR IN COMPLETE SETS IN ORDER TO ACHIEVE THE FULL EXTENT AND COMPLETE COORDINATION OF ALL WORK.
3. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
4. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
5. DETAILS SHOWN ARE INTENDED TO BE INDICATIVE OF THE PROFILES AND TYPE OF DETAILING REQUIRED THROUGHOUT THE WORK. DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO DETAILS SHOWN, WHERE SPECIFIC DIMENSIONS, DETAILS, OR DESIGN INTENT CANNOT BE DETERMINED. NOTIFY ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.
6. ALL MANUFACTURED ARTICLES, MATERIALS, AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED, ERECTED, CLEANED, AND CONDITIONED ACCORDING TO MANUFACTURER'S INSTRUCTIONS. IN CASE OF DISCREPANCIES BETWEEN MANUFACTURER'S INSTRUCTIONS AND THE CONTRACT DOCUMENTS, NOTIFY ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.
7. ALL DISSIMILAR METALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER TO AVOID GALVANIC CORROSION.
8. THE LOCATION AND TYPE OF ALL EXISTING UTILITIES SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY AND ARE ACCURATE AND COMPLETE TO THE BEST OF THE KNOWLEDGE OF I & S GROUP, INC. (ISS) NO WARRANTY OR GUARANTEE IS IMPLIED. THE CONTRACTOR SHALL VERIFY THE SIZES, LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES OR VARIATIONS FROM PLAN.
9. THE CONTRACTOR IS TO CONTACT "GOPHER STATE ONE CALL" FOR UTILITY LOCATIONS A MINIMUM OF 2 BUSINESS DAYS PRIOR TO ANY EXCAVATION / CONSTRUCTION (1-800-252-1166).



PRELIMINARY NOT FOR CONSTRUCTION

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

BRYAN M. PETZEL

DATE UIC. NO. 53191

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

BRETT A. HARRIS

DATE UIC. NO. 60537

SHEET NOT VALID UNLESS THIS TEXT IS COLOR.

THIS DOCUMENT IS THE PROPERTY OF I & S GROUP, INC. AND MAY NOT BE USED, COPIED OR DUPLICATED WITHOUT PRIOR WRITTEN CONSENT.
© 2024 I & S GROUP, INC.

PROJECT

**ROLLS ROYCE
SOLUTIONS
AMERICA, INC**

LUNDIN LPR

MANKATO MINNESOTA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO. 25-32426

FILE NAME 32426-CO-DETAILS

DRAWN BY AAG

DESIGNED BY AAG/BMP

REVIEWED BY BMP

ORIGINAL ISSUE DATE 11/1/2024

CLIENT PROJECT NO. 1180

TITLE

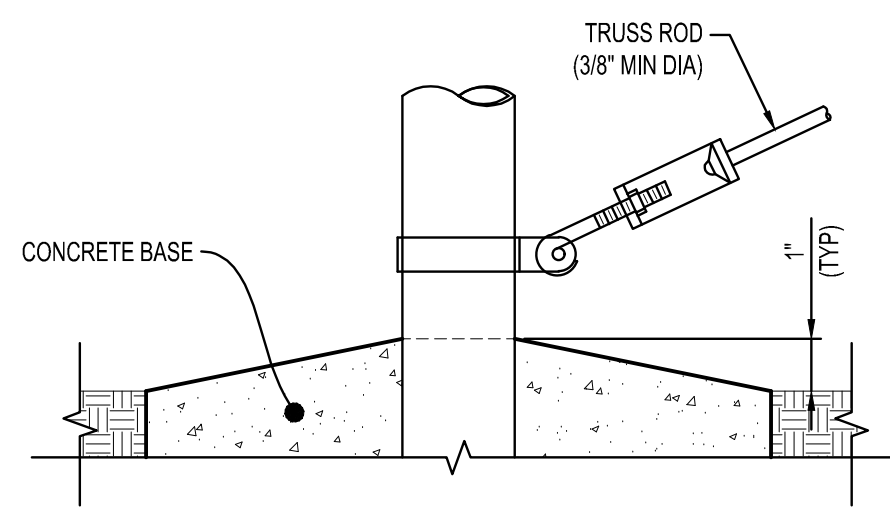
DETAILS

SHEET

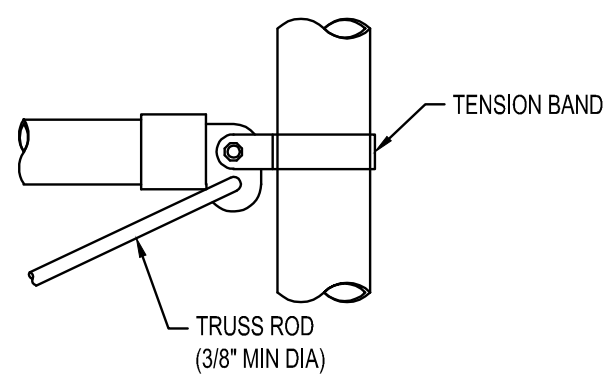
C0-21

NOTES:

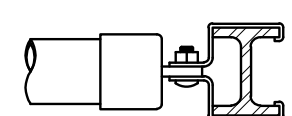
- PERIMETER FENCE SHALL BE SECURED AT ALL TIMES. THE FENCE IS CONSIDERED SECURE WHEN IT IS IN ITS FULL UPRIGHT POSITION, INCLUDING BARBED WIRE.
- FENCE SHALL BE GROUNDED IN ACCORDANCE TO STANDARD SPECIFICATIONS, AND AT ALL LOCATIONS WHERE THE FENCE CROSSES OVERHEAD POWER LINES.
- CONTRACTOR IS REQUIRED TO LOCATE ALL UTILITIES, INCLUDING PRIVATE UTILITIES, CROSSING EXISTING AND PROPOSED FENCE LINE.
- EXCAVATED MATERIAL TO BE DISPOSED ON-SITE SHALL BE THINLY SPREAD INSIDE FENCE LINE.
- DETAILS SHOWN ARE TO CLARIFY REQUIREMENTS AND ARE NOT INTENDED TO LIMIT OTHER TYPES OF FENCE SECTIONS AND METHODS OF INSTALLATION THAT COMPLY WITH THE SPECIFICATIONS.
- WIRE TIES, RAILS, POSTS AND BRACES SHALL BE CONSTRUCTED ON THE SECURE SIDE OF THE FENCE ALIGNMENT. CHAIN-LINK FABRIC SHALL BE PLACED ON THE SIDE OPPOSITE THE SECURE AREA.
- UNLESS SPECIFICALLY SHOWN OR SPECIFIED, ALL FENCE SHALL HAVE APRON EXTENDED OUTWARD FROM THE AREA BEING PROTECTED.
- C-SECTION POSTS SHALL BE INSTALLED SO THAT THE VOID INSIDE THE POST IS COMPLETELY FILLED WITH CONCRETE UP TO THE TOP OF THE FOUNDATION.
- ALL CORNER, END, PULL, AND LINE POSTS SHALL BE SIZED AND DESIGNED BY FENCE SUPPLIER USING THE WIND LOAD CRITERIA LISTED BELOW (REFERENCE ASCE 7-10). FENCE SHALL NOT BE DESIGNED FOR ANY COVERINGS OR PRIVACY SLATTING. PROVIDE CALCULATIONS FOR REVIEW PRIOR TO FABRICATION.
- ALL MAN GATES SHALL HAVE CRASHBAR HARDWARE INSTALLED ON THE INTERIOR SIDE OF THE GATE.
- FENCE SHALL HAVE FABRIC PIN STAKE BETWEEN POSTS.
- MATCH EXISTING / ADJACENT FENCE IN ALL ASPECTS.



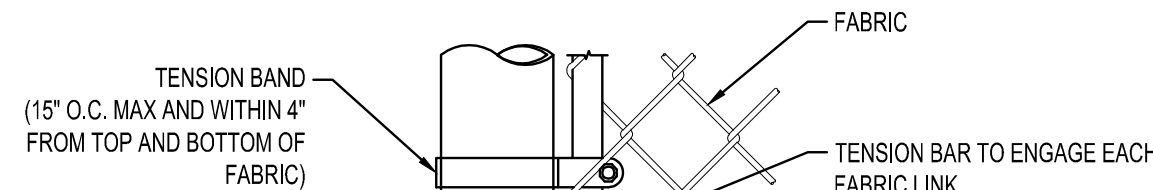
TRUSS ROD & BAND



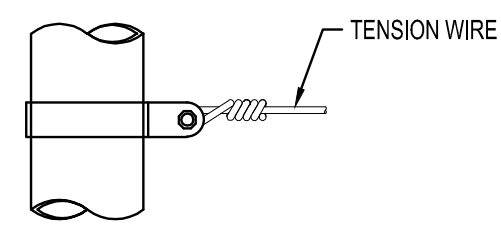
ROUND POST



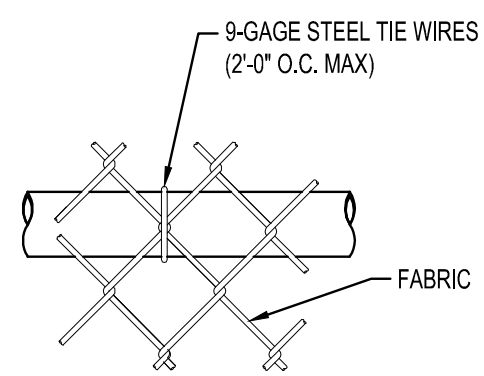
H-BEAM
BRACE RAIL CLAMP



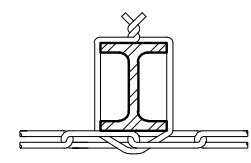
END OR GATE POST



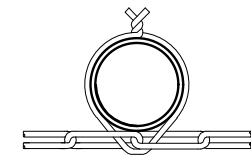
TENSION BAND



TOP OR BRACE RAIL ATTACHMENT

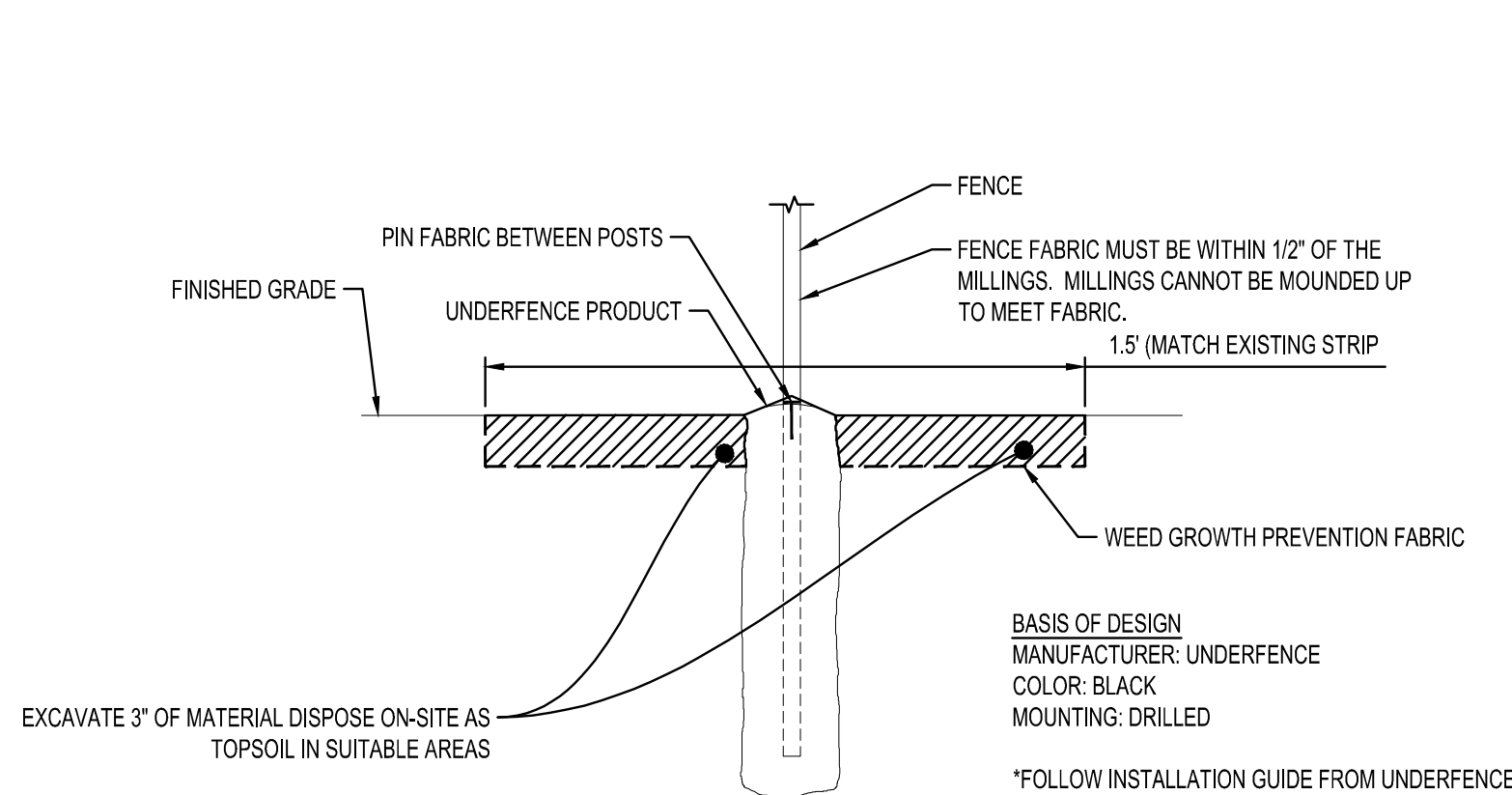


LINE POST ATTACHMENT

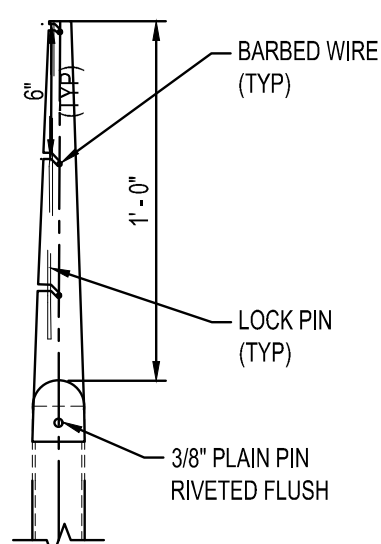


9-GAUGE STEEL TIE WIRE (15" O.C. MAX AND WITHIN 4" FROM TOP AND BOTTOM OF FABRIC)

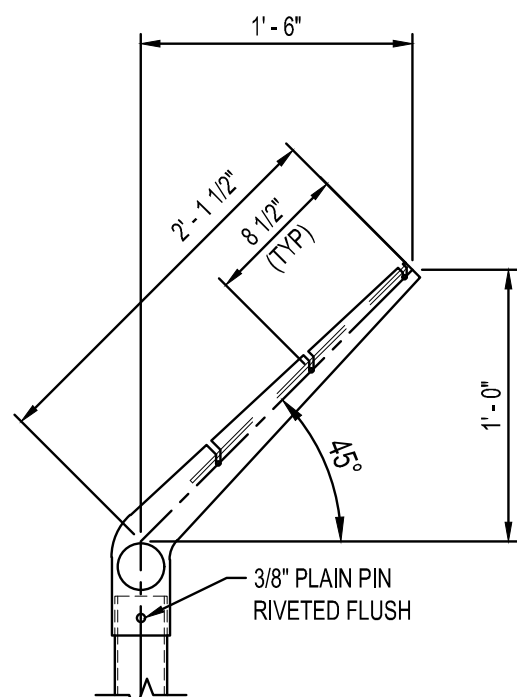
CHAIN-LINK FENCE FASTENING DETAILS



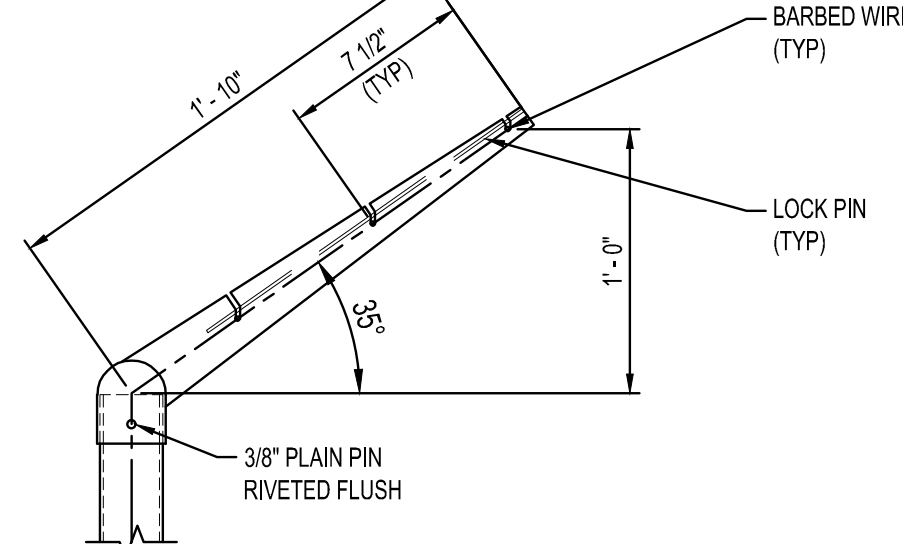
MAINTENANCE STRIP DETAIL



GATE POST

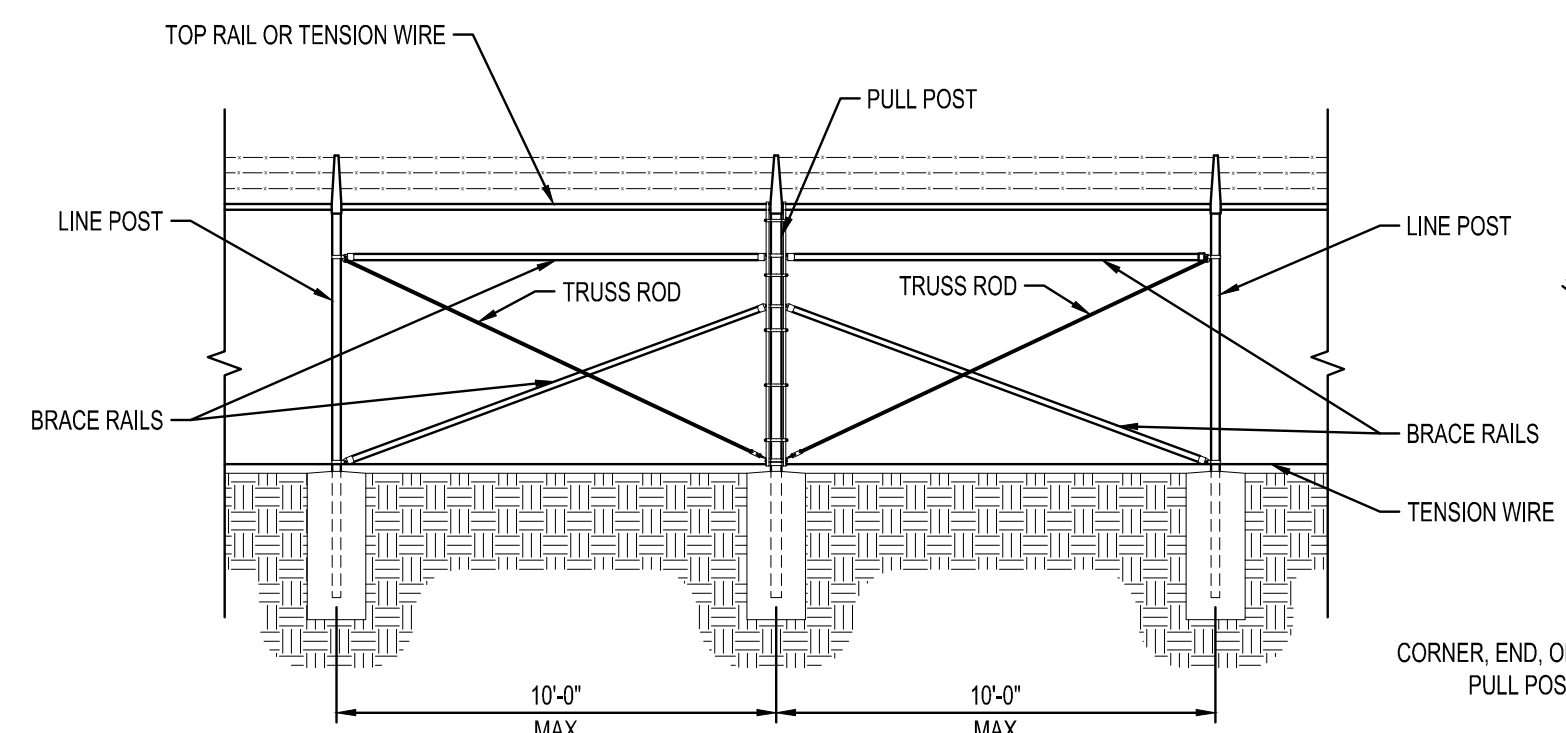


LINE POST



CORNER POST

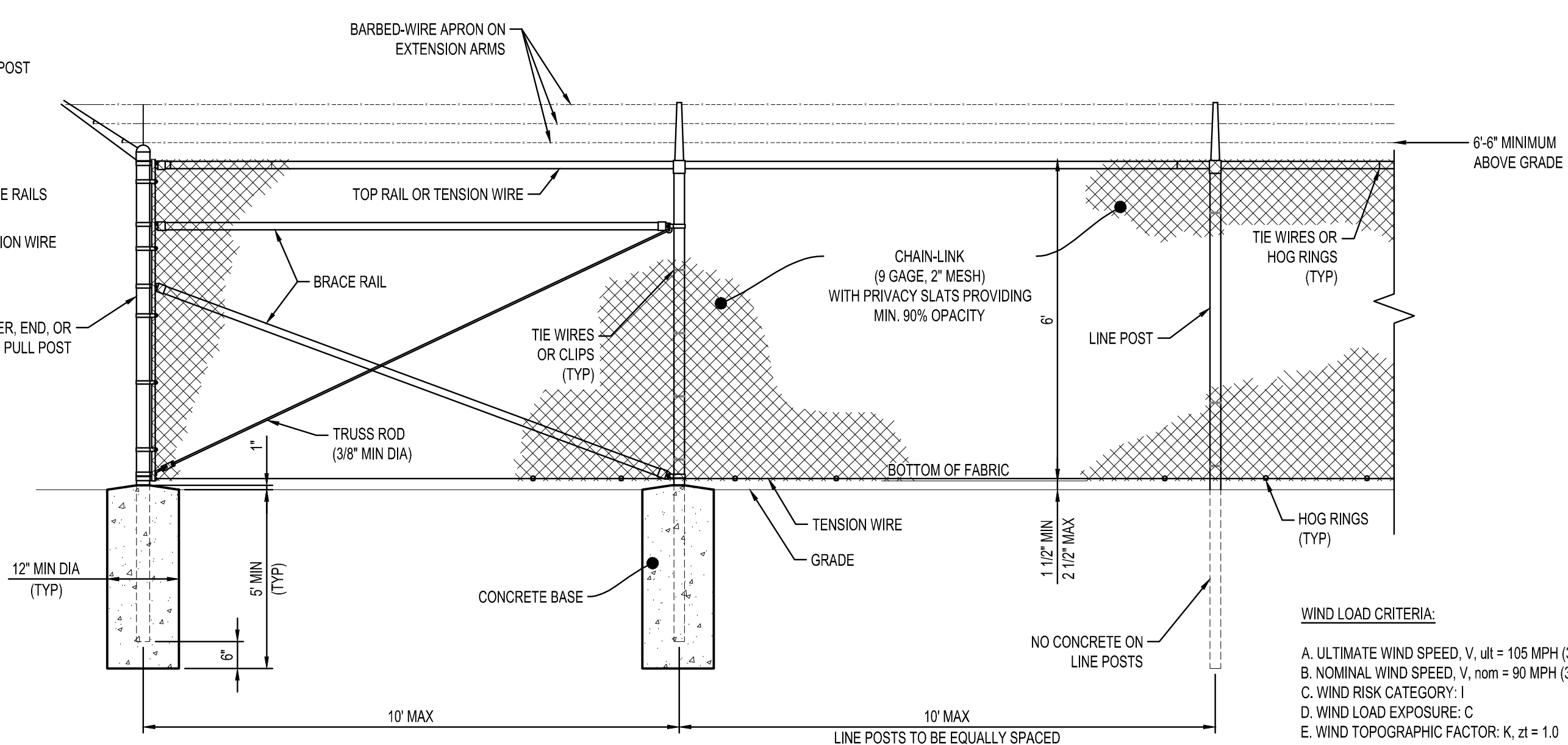
EXTENSION ARM DETAILS



NOTES:

PROVIDE BRACE PANEL WHENEVER STRAIGHT RUNS EXCEED 500 FEET.

BRACE PANEL



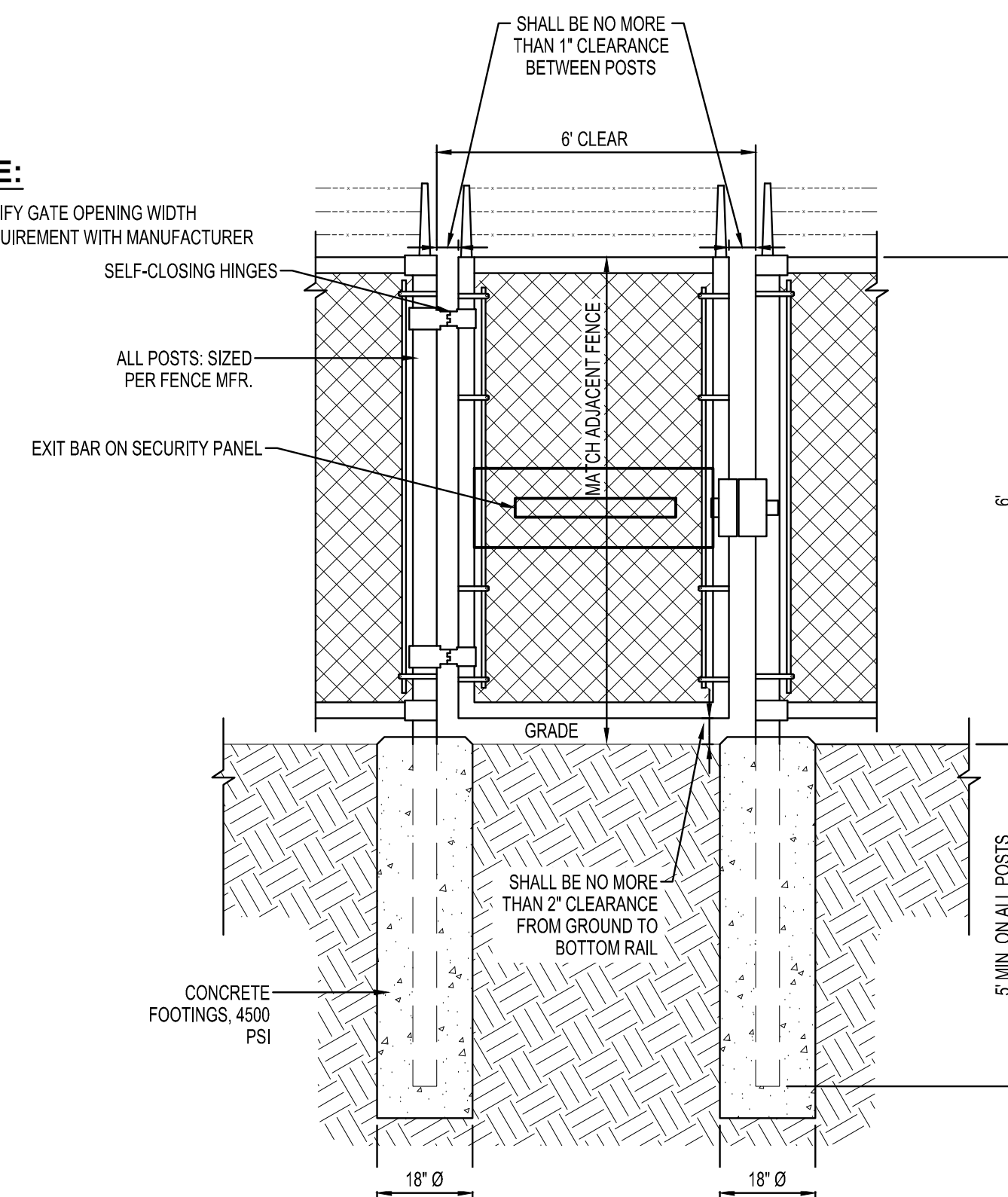
NOTES:

ALL GATE AND CORNER POSTS SHALL BE SET IN CONCRETE.
PROVIDE PRIVACY SLATS FOR ALL FENCES EXCEPT IN AREAS IDENTIFIED AS HAVING NO SLATS ON THE PLANS

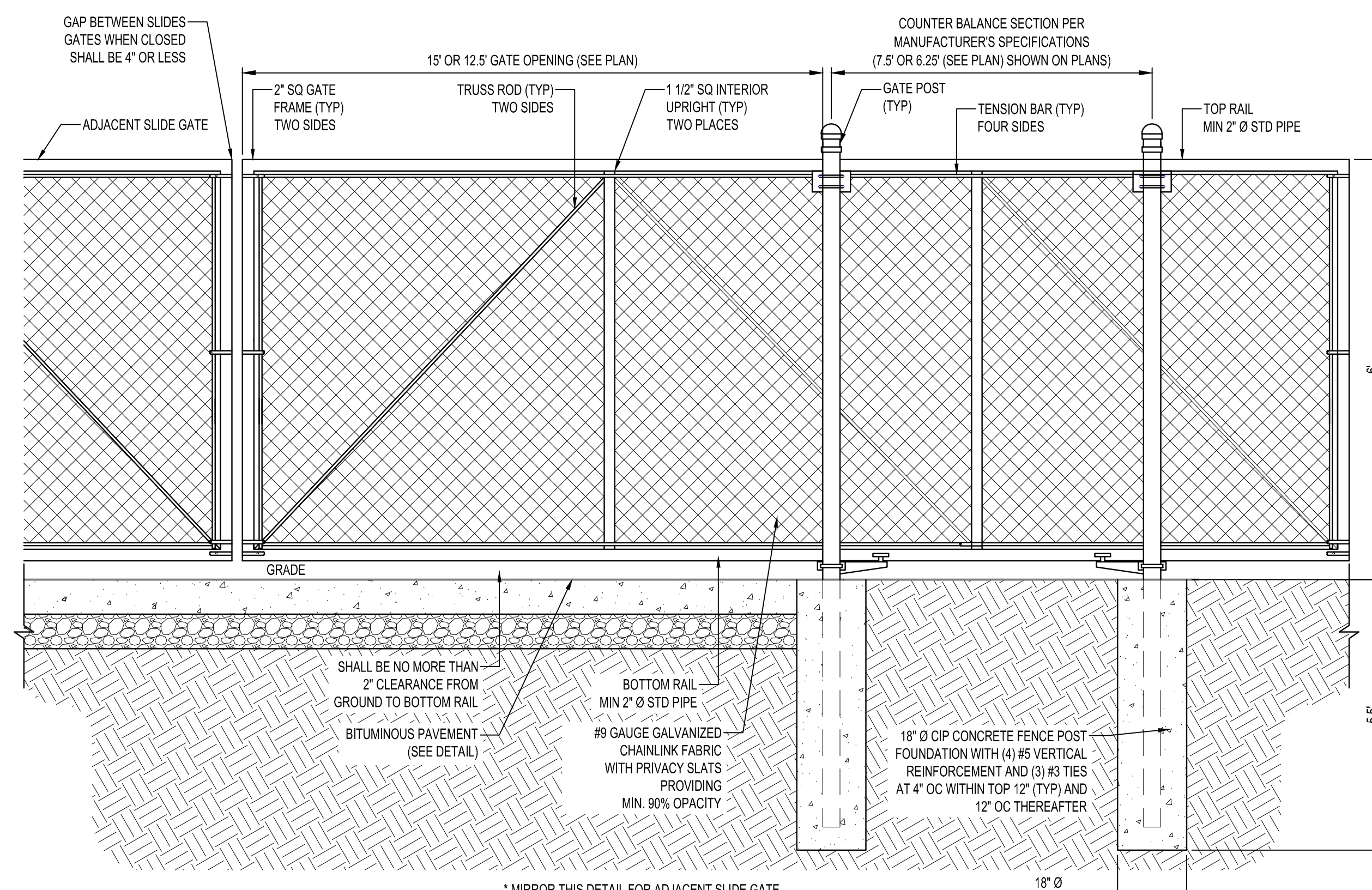
BARBED WIRE
CHAIN-LINK FENCE
NTS

NOTE:

- VERIFY GATE OPENING WIDTH REQUIREMENT WITH MANUFACTURER

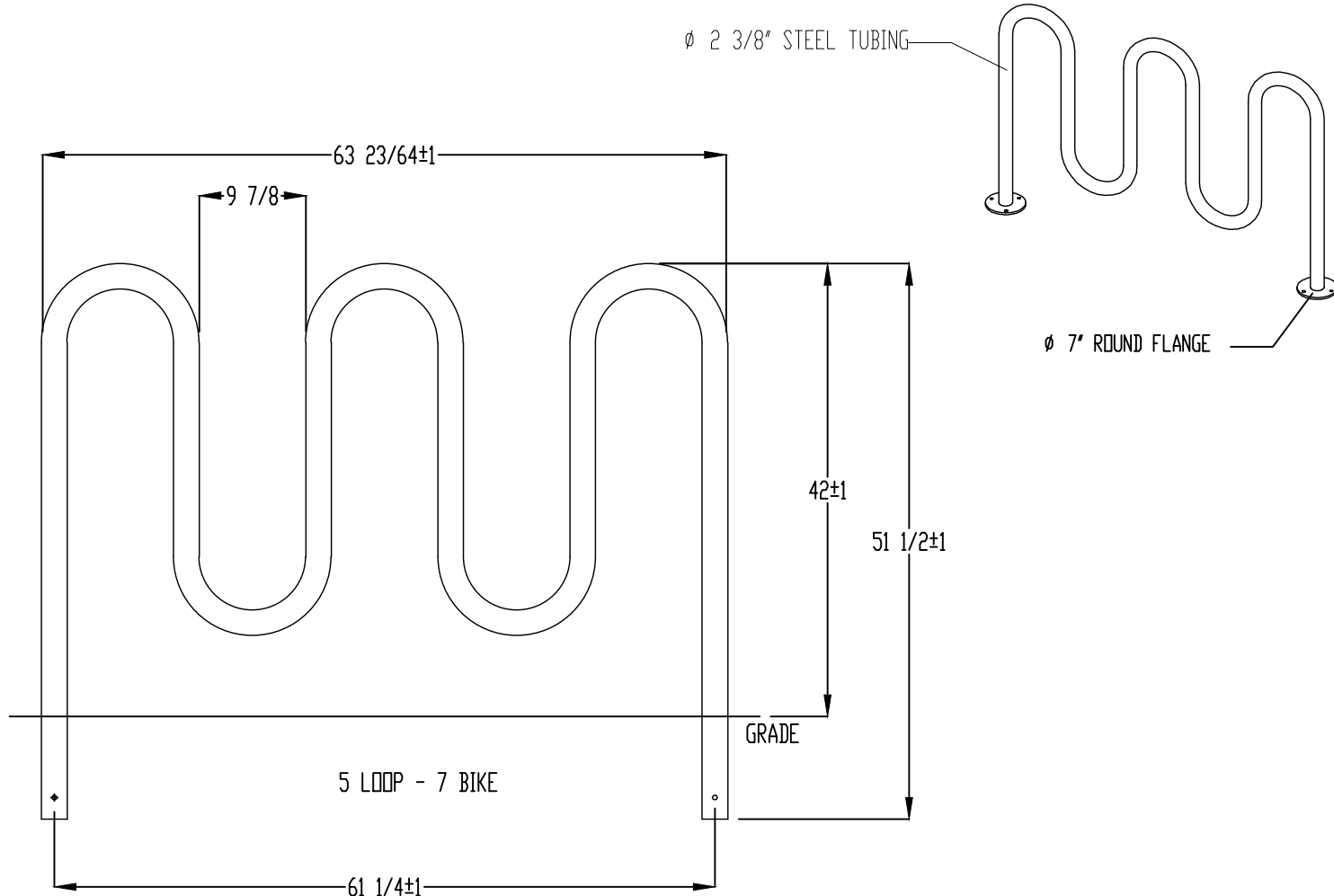
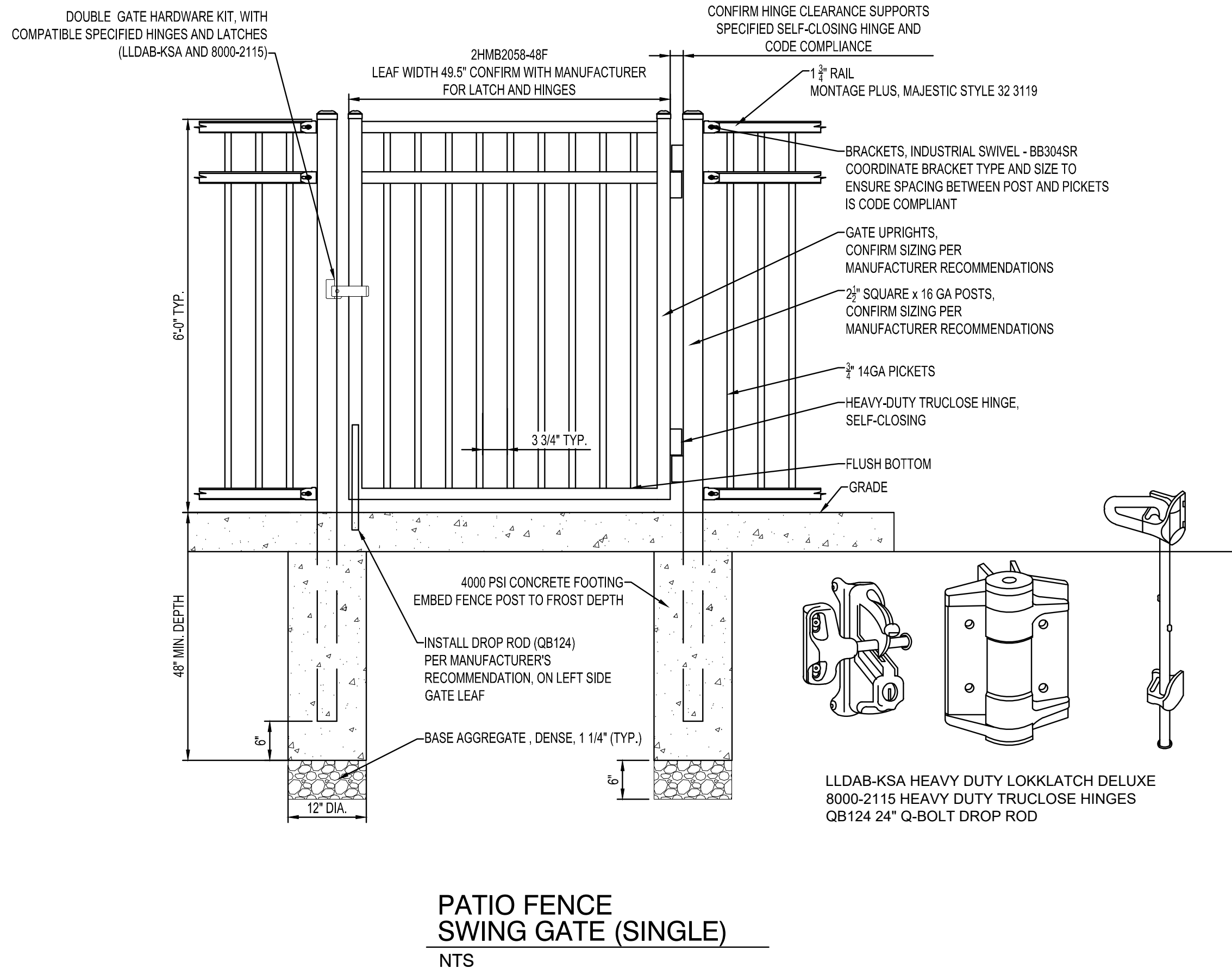
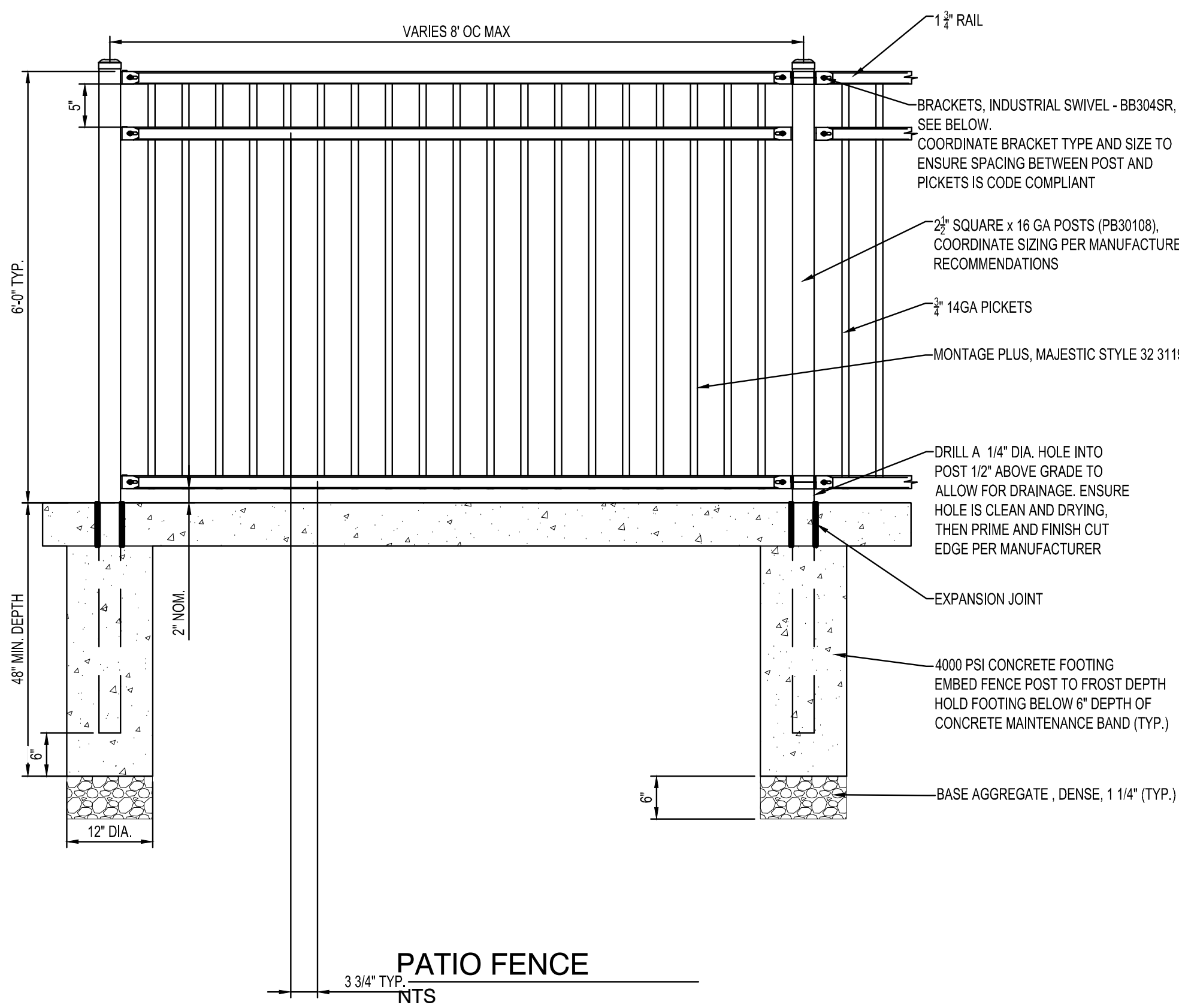


MAIN GATE
NTS



* MIRROR THIS DETAIL FOR ADJACENT SLIDE GATE.
** REFER TO ELECTRICAL PLANS FOR GATE OPERATORS POWER AND CONTROLS.
*** PROVIDE PRIVACY SLATS FOR ALL GATES EXCEPT IN AREAS IDENTIFIED AS HAVING NO SLATS ON THE PLANS.

15' OR 12.5' (SEE PLAN) AUTOMATED SLIDING GATE
NTS



PRODUCT: HW238-7-10(SF)
DESCRIPTION: HEAVY DUTY WINDER BIKE RACK
7 BIKE, SURFACE OR IN GROUND MOUNT
DATE: 10-16-18
END: SMC
CONFIDENTIAL: DRAWING AND INFORMATION IS NOT TO BE COPIED OR REPRODUCED
WITHOUT THE CONSENT OF GRABER MANUFACTURING, INC.
SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.
©2019 GRABER MANUFACTURING, INC. ALL PROPRIETARY RIGHTS RESERVED.

NOTES:
1. INSTALL BIKE RACKS ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
2. CONSULTANT TO SELECT COLOR OF FINISH. SEE MANUFACTURER'S SPECIFICATIONS.
3. SEE SITE PLAN FOR LOCATION OR CONSULT OWNER.



I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

BRYAN M. PETZEL

DATE: 10/16/18 LIC. NO. 53191

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

BRETT A. HARRIS

DATE: 10/16/18 LIC. NO. 60537

SHEET NOT VALID UNLESS THIS TEXT IS COLOR.

THIS DOCUMENT IS THE PROPERTY OF I & S GROUP, INC. AND MAY NOT BE USED, COPIED OR DUPLICATED WITHOUT PRIOR WRITTEN CONSENT.
© 2024 I & S GROUP, INC.

PROJECT

**ROLLS ROYCE
SOLUTIONS
AMERICA, INC**

LUNDIN LPR

MANKATO

MINNESOTA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO. 25-32426
FILE NAME 32426-CO-DETAILS
DRAWN BY AAG
DESIGNED BY AAG/BMP
REVIEWED BY BMP
ORIGINAL ISSUE DATE 10/16/18
CLIENT PROJECT NO. 1180

TITLE

DETAILS

SHEET

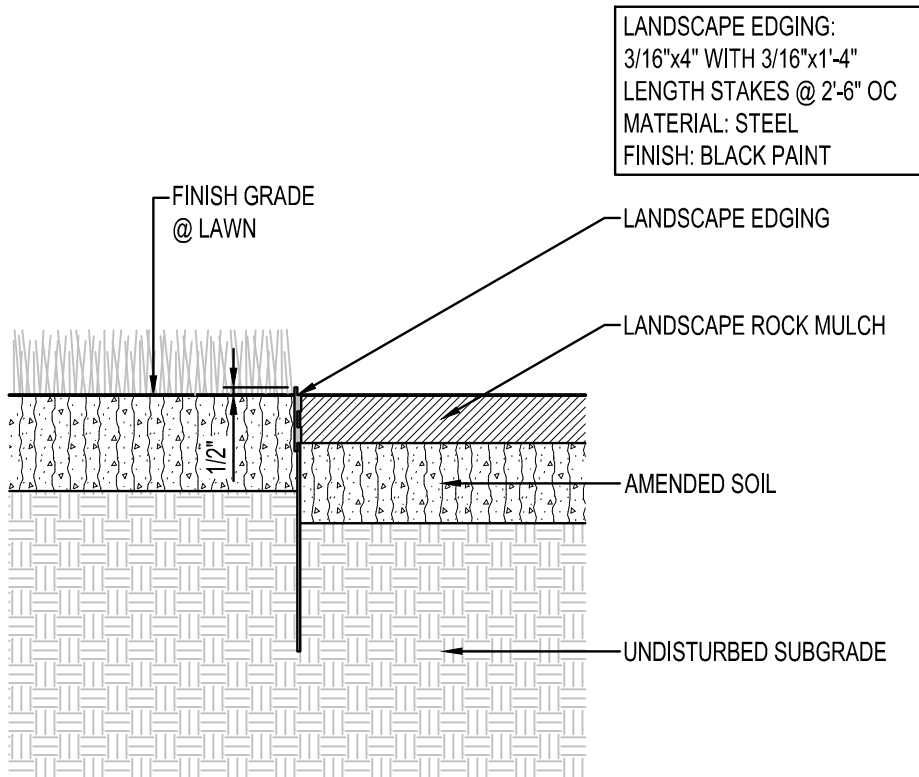
C0-22

PRELIMINARY NOT FOR CONSTRUCTION

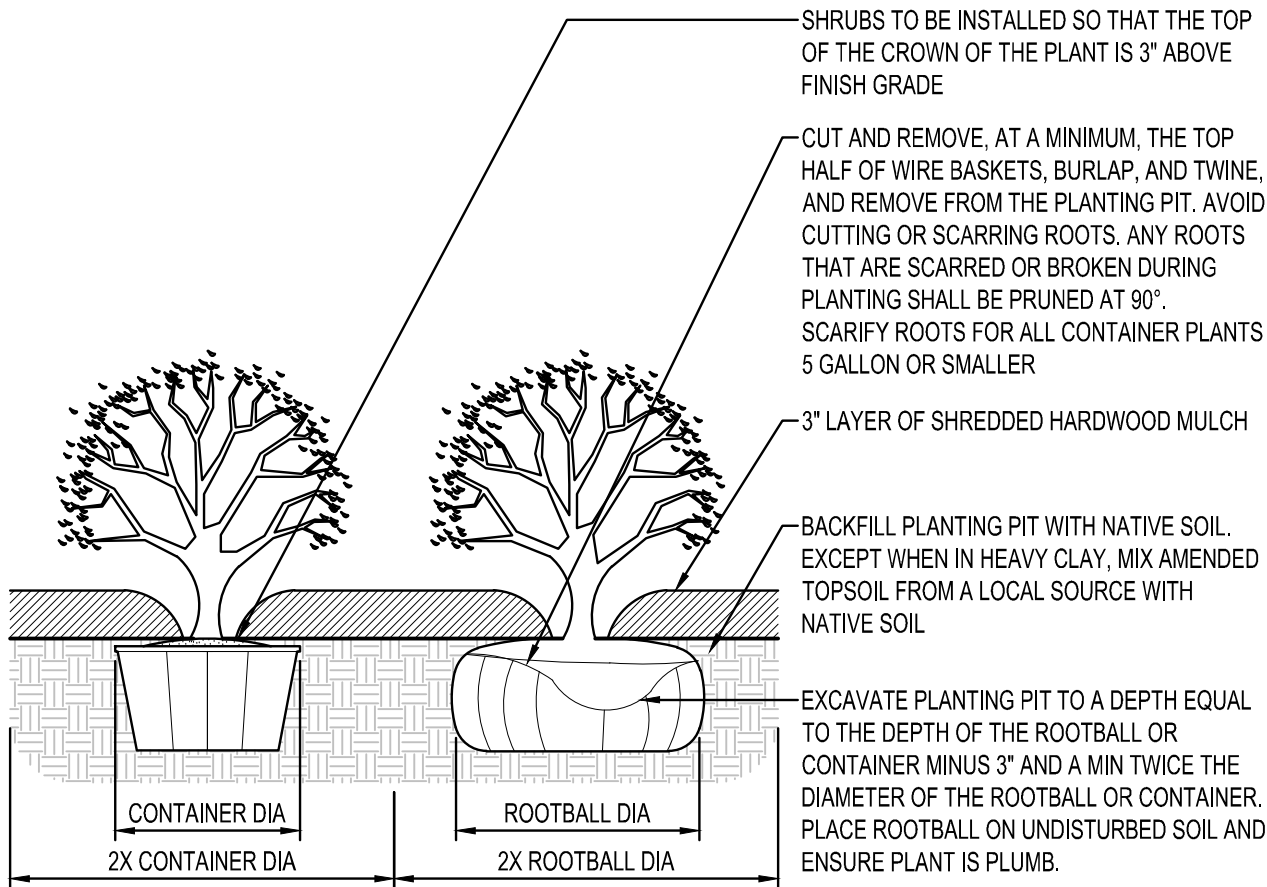


PLANTING NOTES

- COORDINATE LOCATION OF ALL UTILITIES (LINES, DUCTS, CONDUITS, SLEEVES, FOOTINGS, ETC.) WITH LOCATIONS OF PROPOSED LANDSCAPE ELEMENTS (FENCE, FOOTINGS, TREE ROOTBALLS, ETC.). CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO OWNER'S REPRESENTATIVE PRIOR TO CONTINUING WORK.
- SAVE AND PROTECT ALL EXISTING TREES NOT NOTED TO BE REMOVED.
- REMOVE ALL CONSTRUCTION DEBRIS AND MATERIALS INJURIOUS TO PLANT GROWTH FROM PLANTING PITS AND BEDS PRIOR TO BACKFILLING WITH PLANTING MIX.
- REFER TO PLANTING DETAILS FOR AMENDED SOIL DEPTH IN PLANTING BEDS AND SURROUNDING TREES.
- FIELD STAKE PLANTINGS ACCORDING TO PLAN. OWNER'S REPRESENTATIVE SHALL APPROVE ALL PLANT LOCATIONS PRIOR TO INSTALLATION. OWNERS REPRESENTATIVE RESERVES THE RIGHT TO REVISE PLANTING LAYOUT AT TIME OF INSTALLATION.
- ALL PLANT MATERIALS SHALL BE TRUE TO THEIR SCIENTIFIC NAME AND SIZE AS INDICATED IN THE PLANT SCHEDULE.
- IF DISCREPANCIES EXIST BETWEEN THE NUMBER OF PLANTS DRAWN ON THE PLANTING PLAN AND THE NUMBER OF PLANTS IN THE SCHEDULE, THE PLANTING PLAN SHALL GOVERN.
- ANY PROPOSED SUBSTITUTIONS OF PLANT SPECIES SHALL BE MADE WITH PLANTS OF EQUIVALENT OVERALL FORM, HEIGHT, BRANCHING HABIT, FLOWER, LEAF, COLOR, FRUIT AND CULTURE, AND ONLY AFTER WRITTEN APPROVAL OF THE OWNER'S REPRESENTATIVE.
- ALL PLANT MATERIALS MUST CONFORM TO AMERICAN STANDARDS FOR NURSERY STOCK (ANSI Z60.1), LATEST EDITION PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, WASHINGTON D.C. LARGER SIZED PLANT MATERIALS OF THE SPECIES LISTED MAY BE USED IF THE STOCK CONFORMS TO ANSI Z60.1.
- ALL PLANT MATERIAL SHALL BE GUARANTEED BY THE CONTRACTOR TO BE IN A LIVE AND HEALTHY GROWING CONDITION FOR ONE FULL GROWING SEASON (ONE YEAR) AFTER FINAL PROJECT ACCEPTANCE OR SHALL BE REPLACED BY THE CONTRACTOR FREE OF CHARGE WITH THE SAME GRADE AND SPECIES.
- ALL TREES SHALL HAVE A STRONG CENTRAL LEADER. ANY TREES DEEMED NOT TO HAVE A STRONG CENTRAL LEADER SHALL BE REJECTED.
- CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE DUE TO CONSTRUCTION OPERATIONS. ANY AREAS THAT ARE DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- PROVIDE LANDSCAPE ROCK MULCH SURROUNDING ALL PROPOSED TREES (6" Ø) AND WITHIN PLANTING BEDS TO A 3" MINIMUM DEPTH AS SHOWN IN TREE PLANTING DETAIL. DO NOT USE AN UNDERLAYMENT SUCH AS PLASTIC SHEET OR LANDSCAPE FABRIC. APPLY PRE-EMERGENT TO ALL PLANTING BEDS PRIOR TO MULCHING. REFER TO PLANS FOR ADDITIONAL DETAILS. REFER TO STORMWATER DETAILS FOR BASIN CONSTRUCTION AND MULCH APPLICATION.
- MULCHING MATERIAL SHALL BE LANDSCAPE ROCK MULCH, WITH NO INDIVIDUAL PIECES LARGER THAN 3", FREE OF GROWTH OR GERMINATION INHIBITING INGREDIENTS, 3" MINIMUM DEPTH. MINIMUM DEPTHS AT LOCATIONS INDICATED ON DRAWINGS.
- CONTRACTOR SHALL PROVIDE SAMPLE OF MULCH TO BE APPROVED BY THE LANDSCAPE ARCHITECT.
- INDICATED QUANTITIES ARE ESTIMATES AND SHALL BE CONFIRMED BY THE CONTRACTOR.
- ADJUST SPACING OF PLANT MATERIALS AROUND ADJACENT UTILITY STRUCTURES.



LANDSCAPE EDGING
NTS



SHRUB PLANTING
NTS

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

BRYAN M. PETZEL

DATE U.C. NO. 53191

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

BRETT A. HARRIS

DATE U.C. NO. 60537

SHEET NOT VALID UNLESS THIS TEXT IS COLOR.

THIS DOCUMENT IS THE PROPERTY OF I & S GROUP, INC. AND MAY NOT BE USED, COPIED OR DUPLICATED WITHOUT PRIOR WRITTEN CONSENT.
© 2024 I & S GROUP, INC.

PROJECT

ROLLS ROYCE
SOLUTIONS
AMERICA, INC

LUNDIN LPR

MANKATO

MINNESOTA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	25-32426
FILE NAME	32426-C5-LAND
DRAWN BY	AAQ
DESIGNED BY	AAQ/BMP
REVIEWED BY	BMP
ORIGINAL ISSUE DATE	11/1/24
CLIENT PROJECT NO.	1180

TITLE

LANDSCAPE
DETAILS

SHEET

C5-20

PRELIMINARY NOT FOR CONSTRUCTION