


CITY OF DE PERE  
RECEIVED

JUN 1 2 2022

\$350

	<p>CITY OF DE PERE</p> <p>PLANNING DEPT</p> <p>APPLICATION FOR SITE PLAN REVIEW <del>FOR</del> SITE PLAN</p>	<p>Fee: <del>\$ 300.00</del> \$ 350.00</p>
		<p>Receipt #: 183073</p>
		<p>Date: 6-12-23</p>

Read all instructions provided before completing. If additional space is needed, attach additional pages. Type or use black ink.

**SECTION 1: Applicant / Permittee Information**

Applicant Name (Ind., Org. or Entity) Preserve Development, LLC.	Authorized Representative Bill Kingston	Title Developer	
Mailing Address 3346 South Pine Tree Road	City Hobart	State WI	ZIP Code 54155
Email Address bkingston@draco-pm.com	Phone Number (incl. area code) 414-651-5077	Fax Number (incl. area code)	

**SECTION 2: Landowner Information (complete these fields when project site owner is different than applicant)**

Name (Ind. Org. or Entity)	Contact Person	Title	
Mailing Address	City	State	ZIP Code
Email Address	Phone Number (incl. area code)	Fax Number (incl. area code)	

**SECTION 3: Project or Site Location**

Project Address/Description Lawrence Drive	Parcel No. WD-D0034-1
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**SECTION 4: Project Information**

Existing Zoning:	R1-45		
Present Use of Parcel:	Vacant		
Proposed Use of Parcel:	Clubhouse		
Estimated Start Date:	6/15/23	Estimated Completion Date:	11/1/23

Please submit 1 hard copy 24x36, 1 hard copy 11x17 and 1 PDF copy of the submittal.

**SECTION 5: Certification and Permission**

**Certification:** I hereby certify that I am the owner or authorized representative of the owner of the property which is the subject of this Permit Application. I certify that the information contained in this form and attachments is true and accurate. I certify that the project will be in compliance with all permit conditions. I understand that failure to comply with any or all of the provisions of the permit may result in permit revocation and a fine and/or forfeiture under the provisions of applicable laws.

**Permission:** I hereby give the City permission to enter and inspect the property at reasonable times, to evaluate this notice and application, and to determine compliance with any resulting permit coverage.

Name of Owner/Authorized Representative (please print) Bill Kingston	Title Managing Member	Phone Number 414-651-5077
Signature of Applicant		Date Signed 5/19/23

**TO BE COMPLETED BY CITY STAFF**

CSM Review authorized by the De Pere Municipal Code, Chapter 46.

# CITY OF DE PERE

335 South Broadway, De Pere, WI 54115 | [www.de-pere.org](http://www.de-pere.org)



August 11, 2023

Bill Kingston, Developer  
Preserve Development, LLC  
3346 South Pine Tree RD  
Hobart, WI 54155

RE: Revised Site Plan Review for Preserve Development Clubhouse at 1600 N Honeysuckle Cl  
Parcel WD-D0034-1

Dear Bill:

Thank you for the revised site plan for the Preserve Development Clubhouse at 1600 N Honeysuckle Cl. The City of De Pere staff reviewed the revised site plan on August 11, 2023, and recommended approval with the following conditions that need to be addressed prior to obtaining occupancy permits:

- After exterior lighting is installed, provide a statement from the installer that the light spill from the property does not exceed the approved photometric plan.

You may now proceed to the Inspection Division to begin the process of obtaining permits. Should you have any questions regarding the decision or require further information, feel free to contact me at 339-4043 or [pschleinz@deperewi.gov](mailto:pschleinz@deperewi.gov).

Sincerely,

A handwritten signature in black ink that reads "Peter Schleinz". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Peter Schleinz  
Senior Planner | Zoning Administrator

cc: Daniel J. Lindstrom, AICP, Development Services Director  
Dennis Jensen, Senior Building Inspector





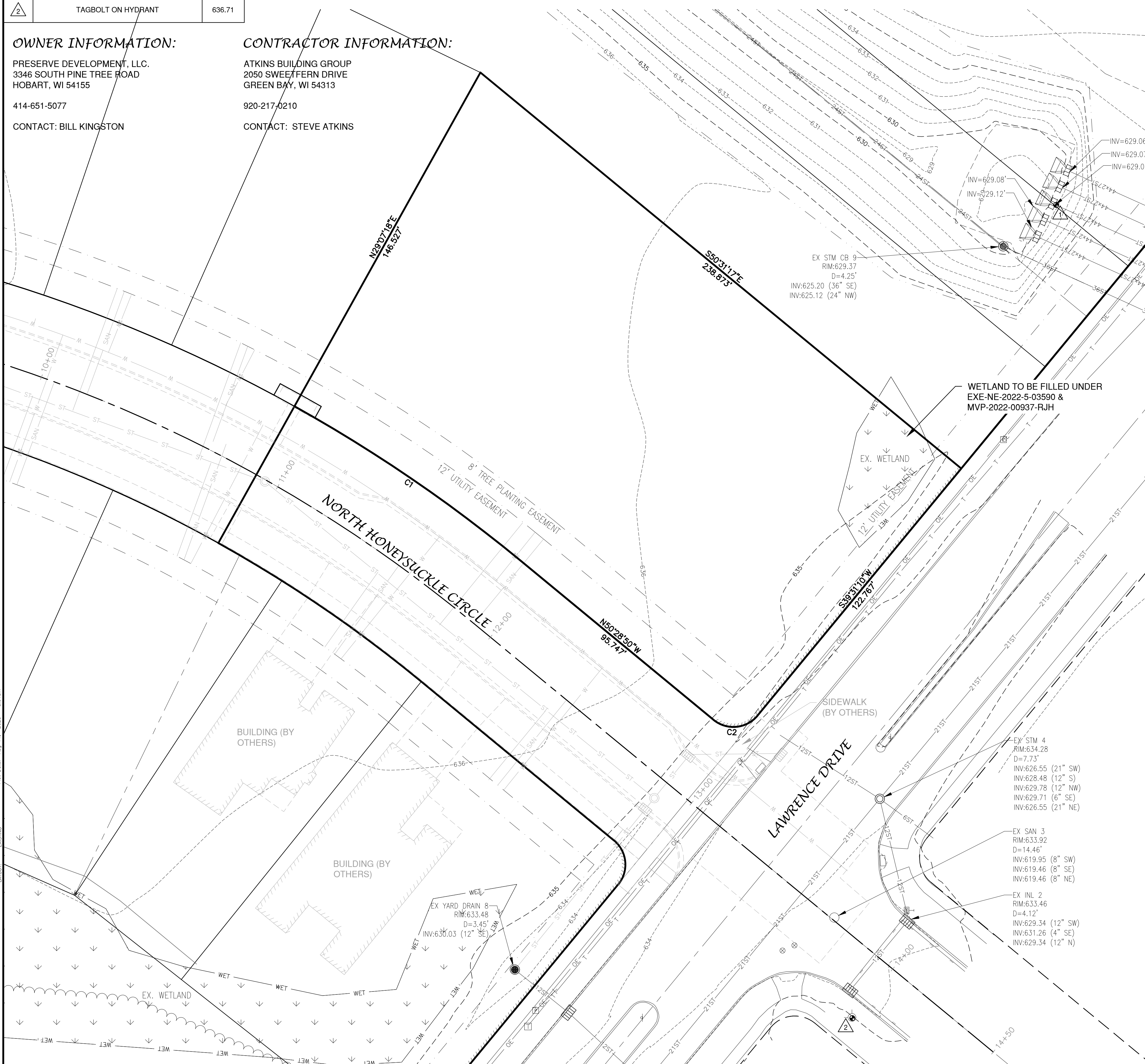


BENCHMARK		
BENCHMARK ESTABLISHED BY: ROBERT E. LEE & ASSOCIATES, INC.		
FIELD VERIFY BENCHMARKS FOR ACCURACY.		
NO.	DESCRIPTION	EL.
1	TOP CENTER CULV	631.91
2	TAGBOLT ON HYDRANT	636.71

Curve Table							
Curve #	Delta	Radius	Length	Chord Direction	Chord Length	Tangent Bearing	Second Tangent Bearing
C1	10°23'52"	580.00'	105.26'	N55°40'46"W	105.11'	N50°28'50"W	N60° 52' 42"W
C2	90°00'00"	12.00'	18.85'	S84°31'10"W	16.97'	S39°31'10"W	N50° 28' 50"W

**OWNER INFORMATION:**  
 PRESERVE DEVELOPMENT, LLC.  
 3346 SOUTH PINE TREE ROAD  
 HOBART, WI 54155  
 414-651-5077  
 CONTACT: BILL KINGSTON

**CONTRACTOR INFORMATION:**  
 ATKINS BUILDING GROUP  
 2050 SWEETFERN DRIVE  
 GREEN BAY, WI 54313  
 920-217-0210  
 CONTACT: STEVE ATKINS



**LEGEND**

<ul style="list-style-type: none"> <li>○ FIRE HYDRANT</li> <li>⊗ WATER VALVE/CURB STOP</li> <li>⊕ WATER MANHOLE</li> <li>▽ REDUCER/INCREASER</li> <li>○ SANITARY MANHOLE</li> <li>● AIR RELIEF MANHOLE</li> <li>⊙ STORM MANHOLE</li> <li>⊕ OPEN STORM MANHOLE</li> <li>⊕ STORM INLET</li> <li>⊕ STORM INLET MANHOLE</li> <li>⊕ TANK COVER</li> <li>⊕ SOIL BORING</li> <li>● POST</li> <li>● IRON PIPE/ROD</li> <li>▲ PK NAIL</li> </ul>	<ul style="list-style-type: none"> <li>⊕ POWER POLE</li> <li>⊕ POWER POLE W/GUY WIRE</li> <li>⊕ LIGHT POLE</li> <li>⊕ TRAFFIC SIGNAL POLE</li> <li>⊕ ELECTRIC MANHOLE</li> <li>⊕ ELECTRIC METER</li> <li>⊕ TELEPHONE MANHOLE</li> <li>⊕ TELEPHONE PEDESTAL</li> <li>⊕ CABLE TV MANHOLE</li> <li>⊕ CABLE TV PEDESTAL</li> <li>⊕ GAS VALVE</li> <li>⊕ GAS METER</li> <li>⊕ MAILBOX</li> <li>⊕ SIGN</li> <li>⊕ BOLLARD</li> </ul>	<ul style="list-style-type: none"> <li>○ DECIDUOUS TREE</li> <li>○ CONIFEROUS TREE</li> <li>○ BUSH</li> <li>○ RIP RAP</li> <li>⊓ CULVERT</li> <li>⊓ WETLANDS</li> <li>♿ HANDICAP PARKING</li> </ul>
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8SS	8SS	SANITARY SEWER (SIZE NOTED)
4FM	4FM	FORCEMAIN (SIZE NOTED)
10ST	10ST	STORM SEWER (SIZE NOTED)
6W	6W	WATERMAIN (SIZE NOTED)
G	G	GAS LINE
OT	OT	OVERHEAD TELEPHONE LINE
T	T	UNDERGROUND TELEPHONE LINE
OE	OE	OVERHEAD ELECTRIC LINE
E	E	UNDERGROUND ELECTRIC LINE
OTV	OTV	OVERHEAD CABLE TV LINE
TV	TV	CABLE TV LINE
FO	FO	FIBER OPTIC LINE
---	---	R/W LINE
---	---	PROPERTY LINE
---	---	EASEMENT LINE
---	---	BUILDING SETBACK LINE
---	---	SECTION LINE

GR.	GRAVEL	WM	WATERMAIN	VPC	VERTICAL POINT OF CURVATURE	B-B	BACK TO BACK (OF CURB)
BIT.	BITUMINOUS	HYD.	HYDRANT	VPI	VERTICAL POINT OF INTERSECTION	F-F	FACE TO FACE (OF CURB)
ASPH	ASPHALT	WV	WATER VALVE	VPT	VERTICAL POINT OF TANGENCY	R/W	RIGHT OF WAY
CONC	CONCRETE	SAN	SANITARY SEWER	PC	POINT OF CURVATURE	T/C	TOP OF CURB
SW	SIDEWALK	MH	MANHOLE	PI	POINT OF INTERSECTION	F/L	FLOW LINE
BLDG	BUILDING	ST	STORM SEWER	PT	POINT OF TANGENCY	C/L	CENTERLINE
HSE	HOUSE	CB	CATCH BASIN	R	RADIUS	R/L	REFERENCE LINE
PED	PEDESTAL	TELE	TELEPHONE	EX	EXISTING	INV	INVERT
PP	POWER POLE	ELEC	ELECTRIC	PR	PROPOSED	CMP	CORRUGATED METAL PIPE
LP	LIGHT POLE	TV	TELEVISION	EOR	END OF RADIUS	RCP	REINFORCED CONCRETE PIPE
BM	BENCH MARK	STA.	STATION	BOC	BACK OF CURB	CULV	CULVERT

**UTILITY INFORMATION:**

UTILITIES PRESENT:  
 CITY OF DE PERE UTILITIES, NET LEC, AT&T DISTRIBUTION, TIME WARNER CABLE, CENTURYLINK, AND WISCONSIN PUBLIC SERVICE.

UTILITIES SHOWN ON THIS MAP ARE BASED ON LOCATES FROM:

DIGGER'S HOTLINE TICKET NUMBER 20222405154 & DATE 6/20/22. VISIBLE OBSERVATION AND RECORD UTILITY PLAN DOCUMENTS. UTILITY LINE LOCATIONS SHOULD BE VERIFIED PRIOR TO ANY DIGGING. THIS SITE MAY CONTAIN BURIED UTILITIES NOT IDENTIFIED ON THIS MAP.

DIGGERS HOTLINE = 1-800-242-8511

WATER/SANITARY/STORM SEWER:  
 DEPARTMENT OF PUBLIC WORKS  
 CITY OF DE PERE  
 925 SIXTH ST.  
 DE PERE, WI 54155  
 (920) 339-8076

TELECOMMUNICATIONS:  
 NET LEC / NSIGHT / CELLCOM  
 C/O MI TECH SERVICES  
 1700 INDUSTRIAL DR.  
 GREEN BAY, WI 54302  
 (920) 288-8908

TELECOMMUNICATIONS:  
 AT & T / SBC  
 205 S. JEFFERSON ST.  
 GREEN BAY, WI 54301  
 (920) 433-4147

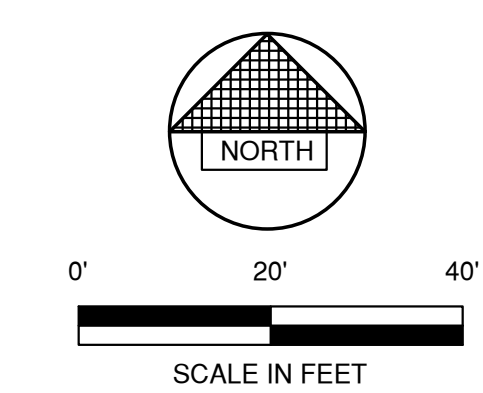
TELECOMMUNICATIONS:  
 TIME WARNER CABLE  
 2580 W. MASON ST.  
 GREEN BAY, WI 54303  
 (920) 944-1581

TELECOMMUNICATIONS:  
 CENTURYLINK  
 P.O. BOX 260  
 WAUSAUKEE, WI 54177  
 (715) 856-9738

GAS & ELECTRIC:  
 WISCONSIN PUBLIC SERVICE CORP.  
 700 N. ADAMS ST.  
 GREEN BAY, WI 54307  
 (800) 797-7434

**DIGGERS HOTLINE**  
 Dial 811 or (800) 242-8511  
 www.DiggersHotline.com

TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN  
 WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.



NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION

PRESERVE DEVELOPMENT CLUBHOUSE  
 FOR ATKINS FAMILY BUILDERS  
 CITY OF DE PERE  
 BROWN COUNTY, WISCONSIN

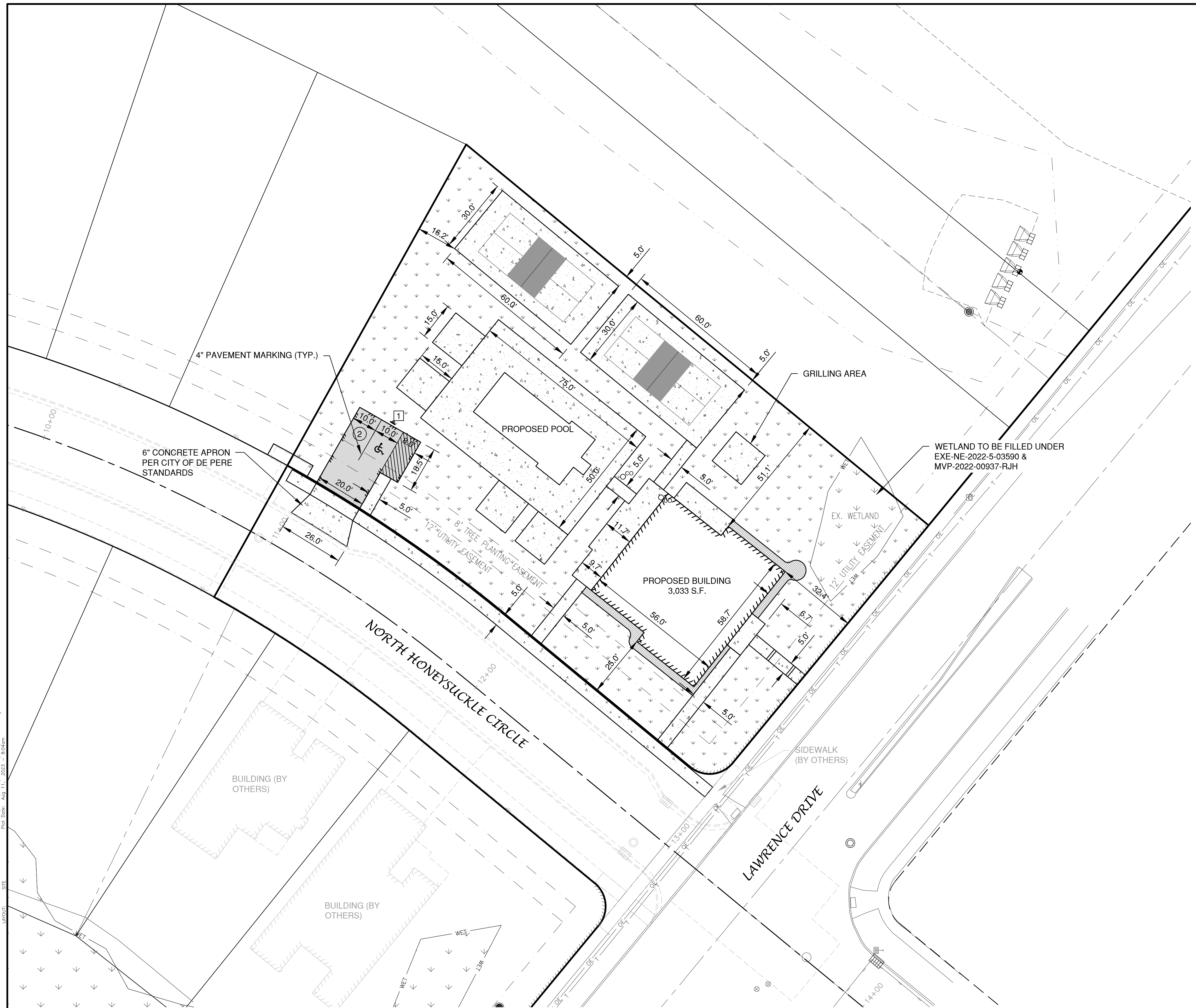
EXISTING SITE CONDITIONS

DATE	04/20/23
FILE	CLUBHOUSE
JOB NO.	6363026

**REL Robert E. Lee & Associates, Inc.**  
 1250 Centennial Centre Blvd | Hobart, WI | 920-662-9641 | releinc.com

**PRELIMINARY**  
 Not for Construction





**LEGEND**

- CONCRETE PAVEMENT
- ASPHALT PAVEMENT (LIGHT) (853 S.F.)
- LANDSCAPE AREA
- GREEN SPACE
- HANDICAPPED PARKING
- INDICATES NUMBER OF PARKING STALLS

**\*NOTE:** ALL DIMENSIONS ARE TO THE FACE OF CURB, UNLESS NOTED OTHERWISE

**NOTE**  
 ALL DISTURBED AREAS SHALL BE TOPSOILED TO A DEPTH OF 6 INCHES, SEEDED AND MULCHED. AREA TO BE RAKED FREE OF STONES AND CLUMPS.

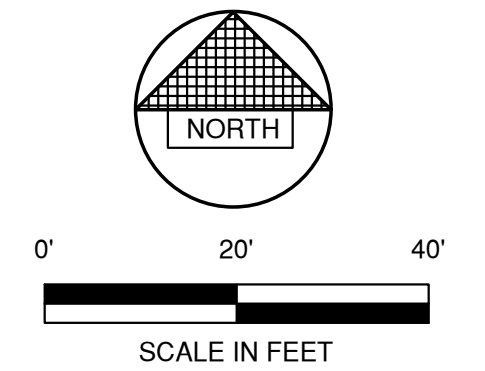
**PARKING DATA**  
 TOTAL PARKING STALLS PROVIDED = 9 (2 OFF-STREET, 7 ON-STREET)  
 HANDICAP ACCESSIBLE PARKING STALLS = 1  
 TOTAL PARKING STALLS REQUIRED = 9

1 STALL PER 10 UNITS THE NEIGHBORHOOD CLUBHOUSE SERVES  
 1 STALL/10 UNITS X 87 UNITS = 9 STALLS

**SITE DATA**  
 TOTAL AREA = 0.71 ACRES, 30,818 S.F.  
 BUILDING AREA = 0.07 ACRES, 3,033 S.F. (9.8%)  
 SIDEWALK/PARKING LOT AREA = 0.25 ACRES, 10,923 S.F. (35.5%)  
 GREEN SPACE = 0.39 ACRES, 16,862 S.F. (54.7%)

**ZONING**  
 R1-45

**PARCEL NO.**  
 WD-D0034-1



NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION

DRAWN BDR  
 CHECKED BBS  
 DESIGNED BDR

PRESERVE DEVELOPMENT CLUBHOUSE  
 FOR ATKINS FAMILY BUILDERS  
 CITY OF DE PERE  
 BROWN COUNTY, WISCONSIN

SITE PLAN

DATE 04/2023  
 FILE CLUBHOUSE  
 JOB NO. 5393026

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SHEET NO.  
**2**

**PRELIMINARY**  
 Not for Construction

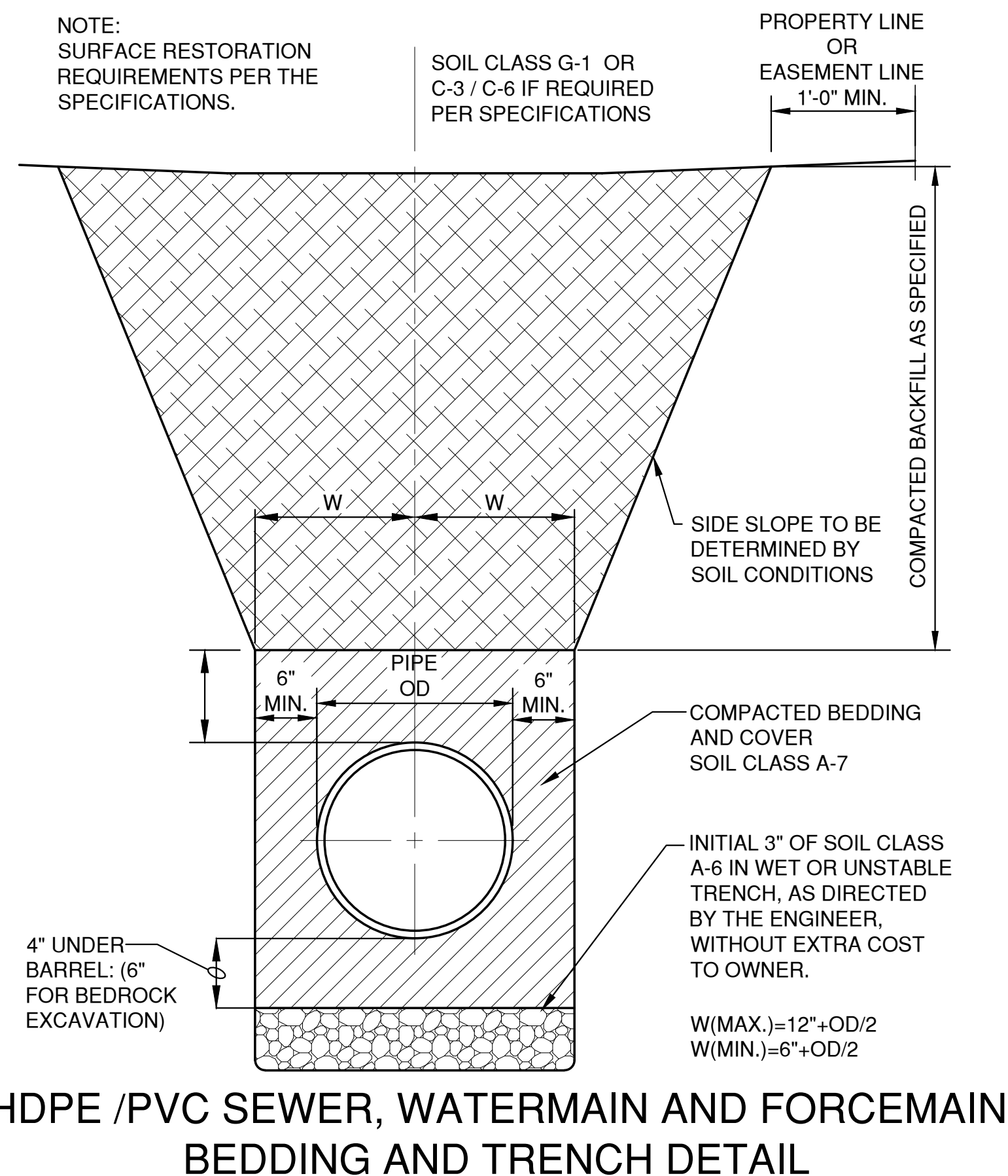




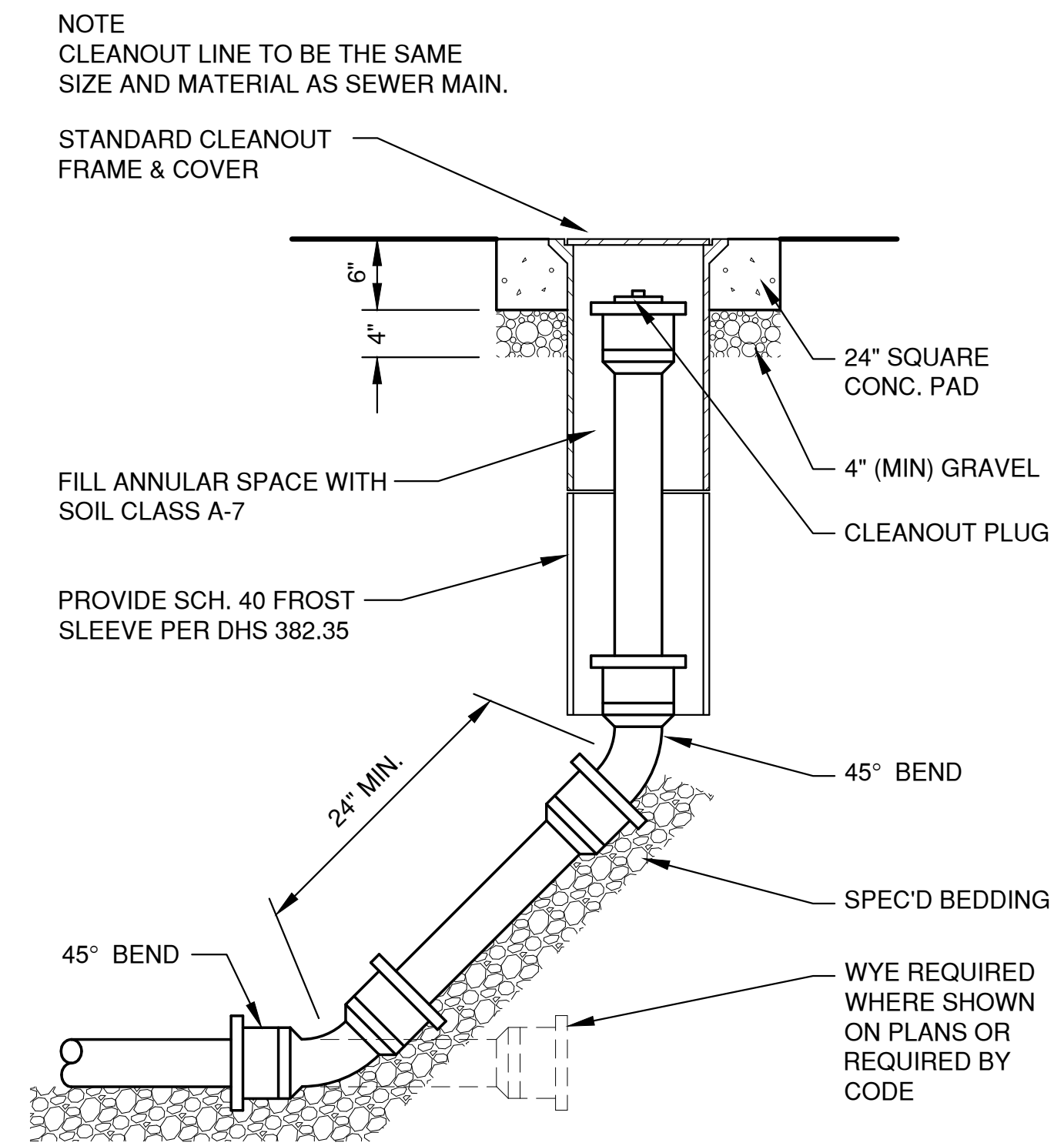




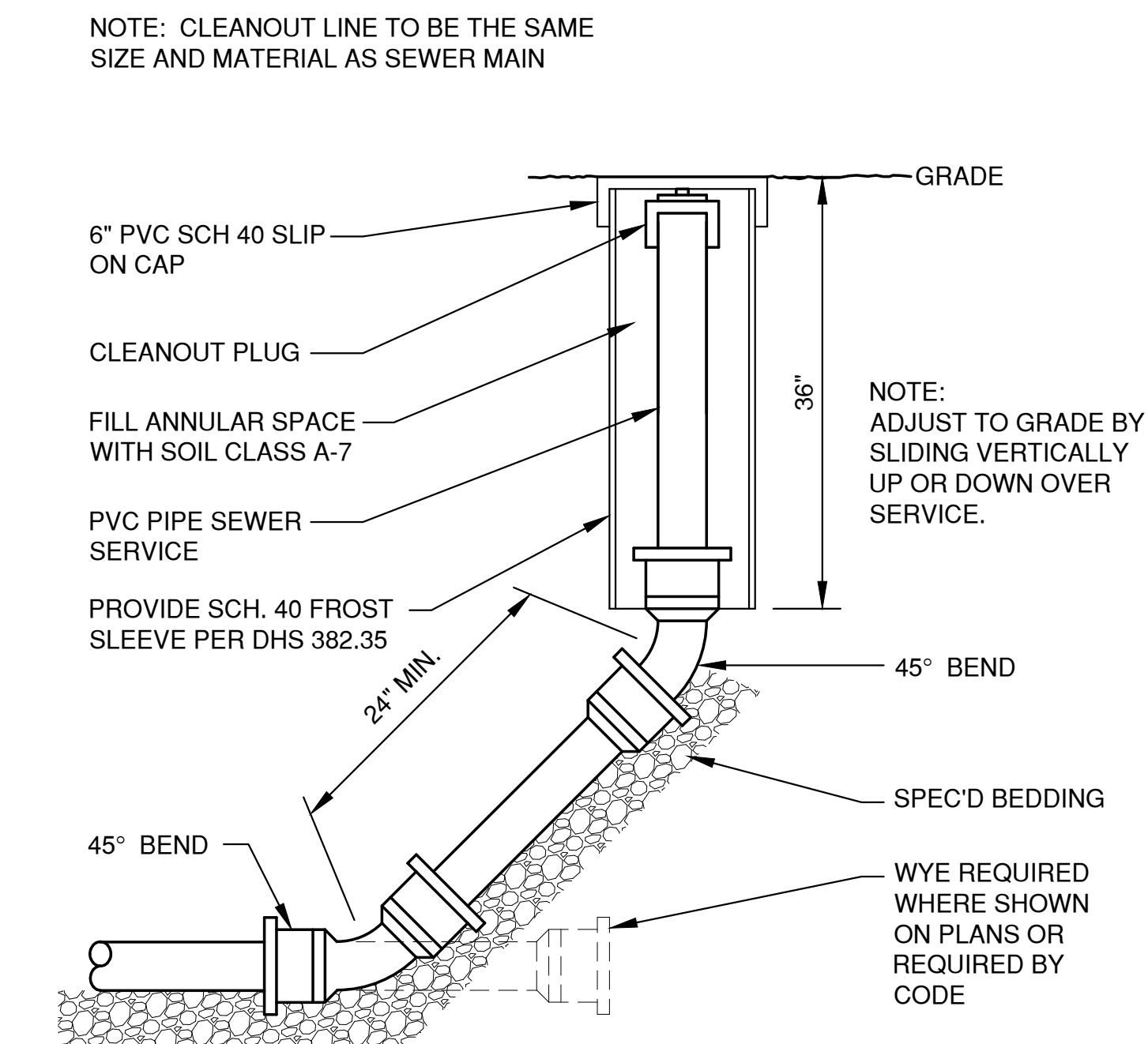




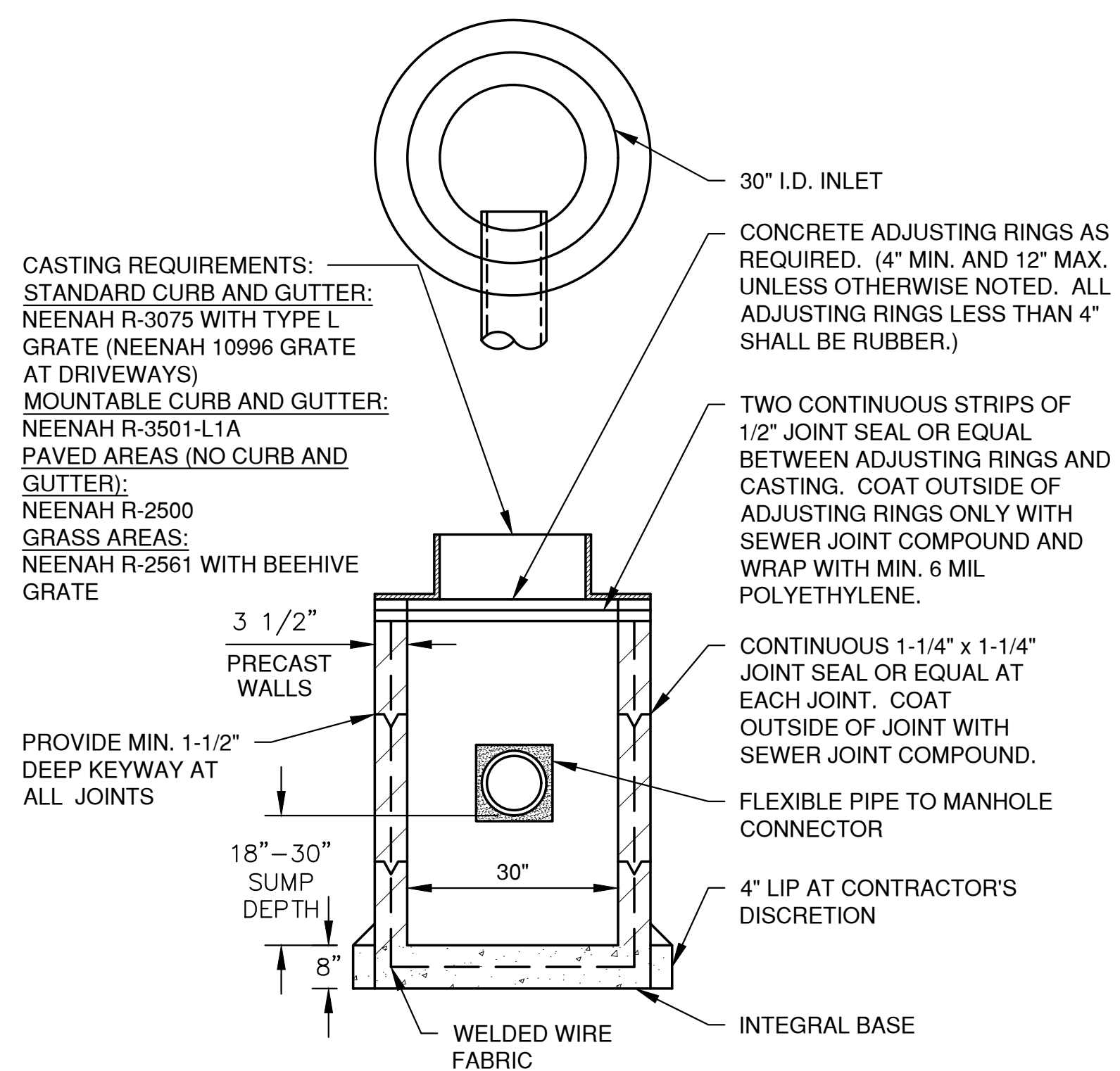
HDPE /PVC SEWER, WATERMAIN AND FORCEMAIN BEDDING AND TRENCH DETAIL



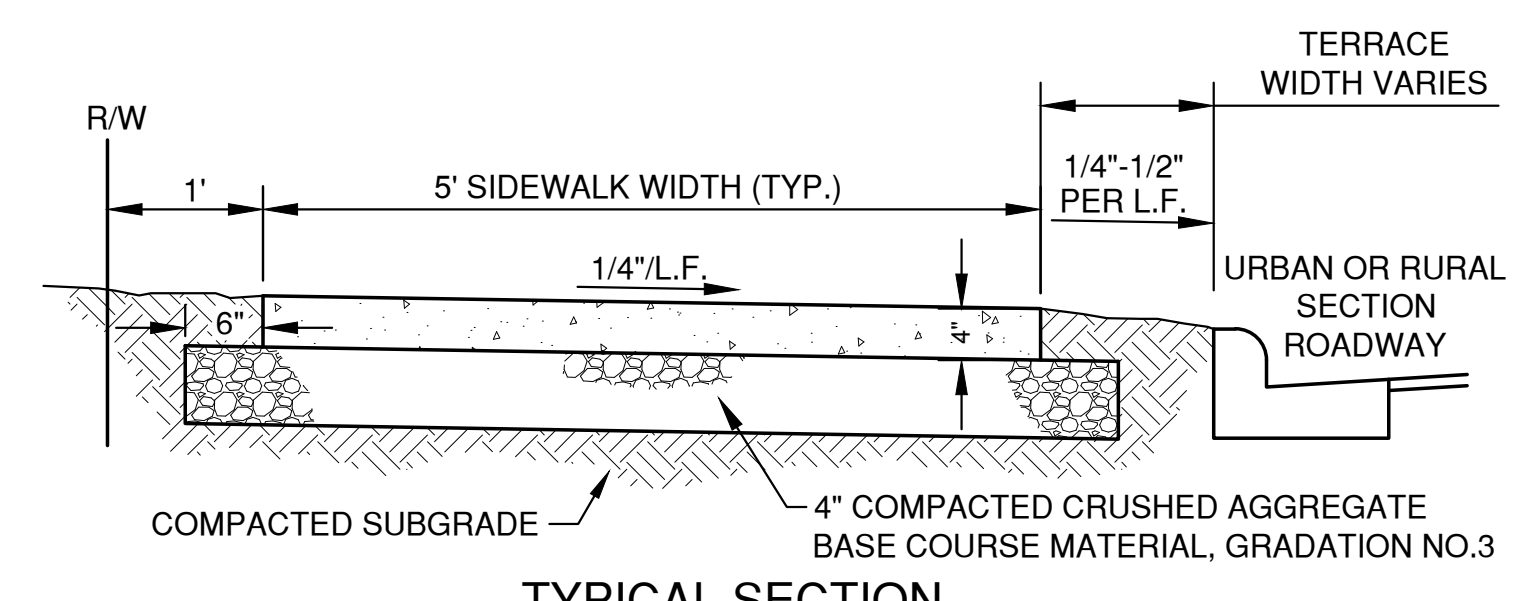
CLEAN-OUT DETAIL (TRAVELED AREAS)



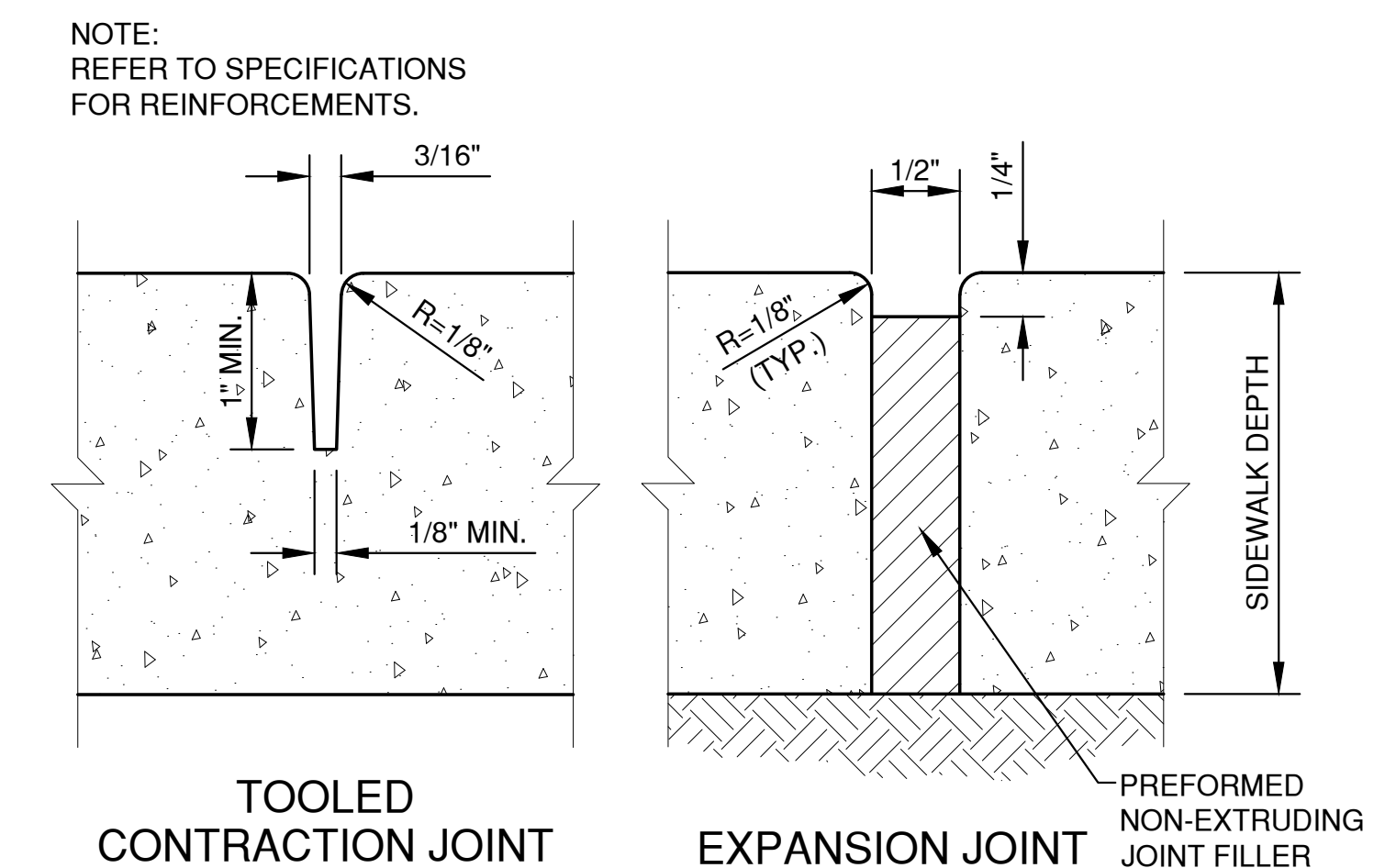
CLEAN-OUT DETAIL (NON-TRAVELED AREAS)



TYPE 'A' STORM INLET



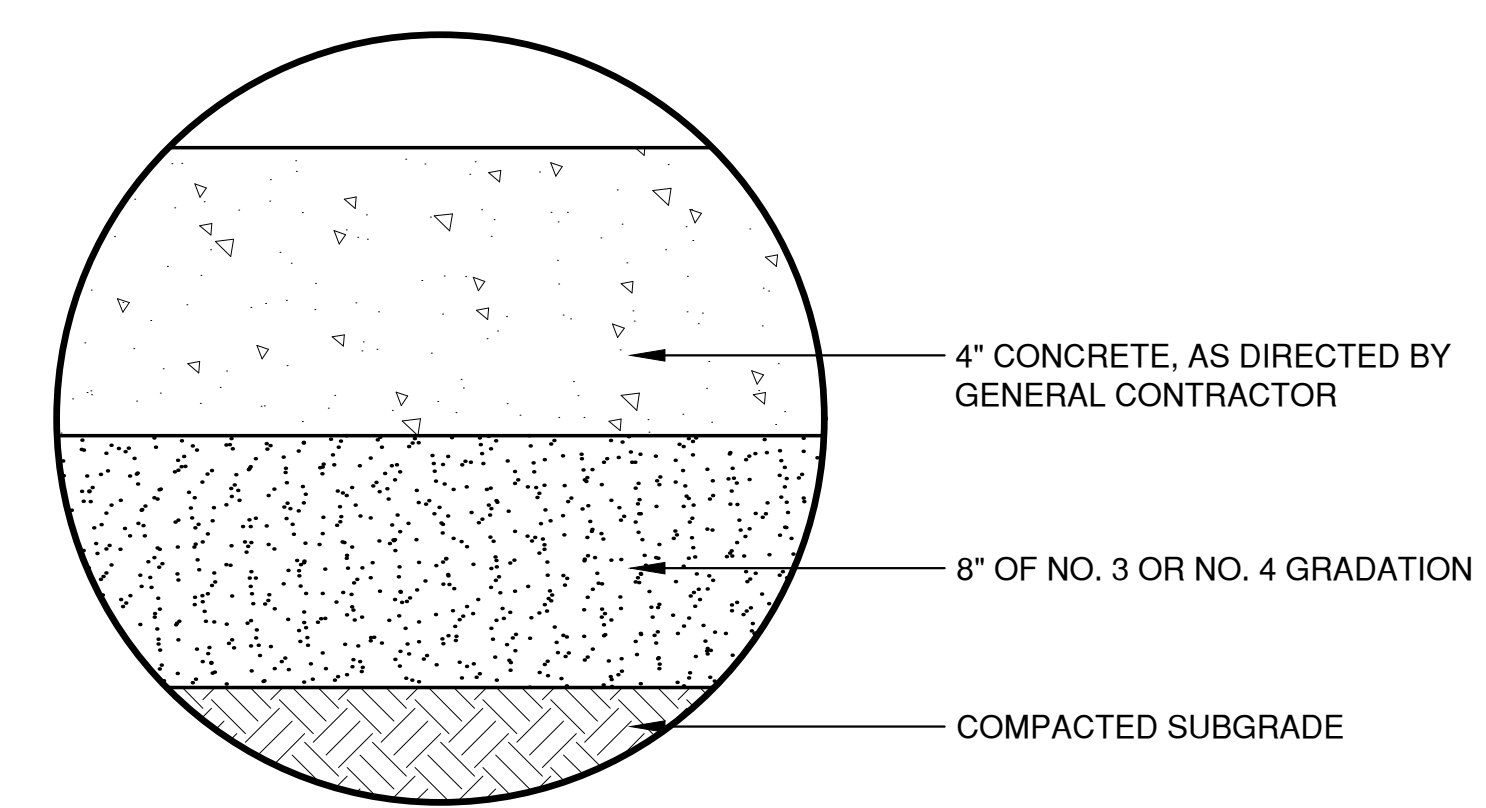
TYPICAL SECTION



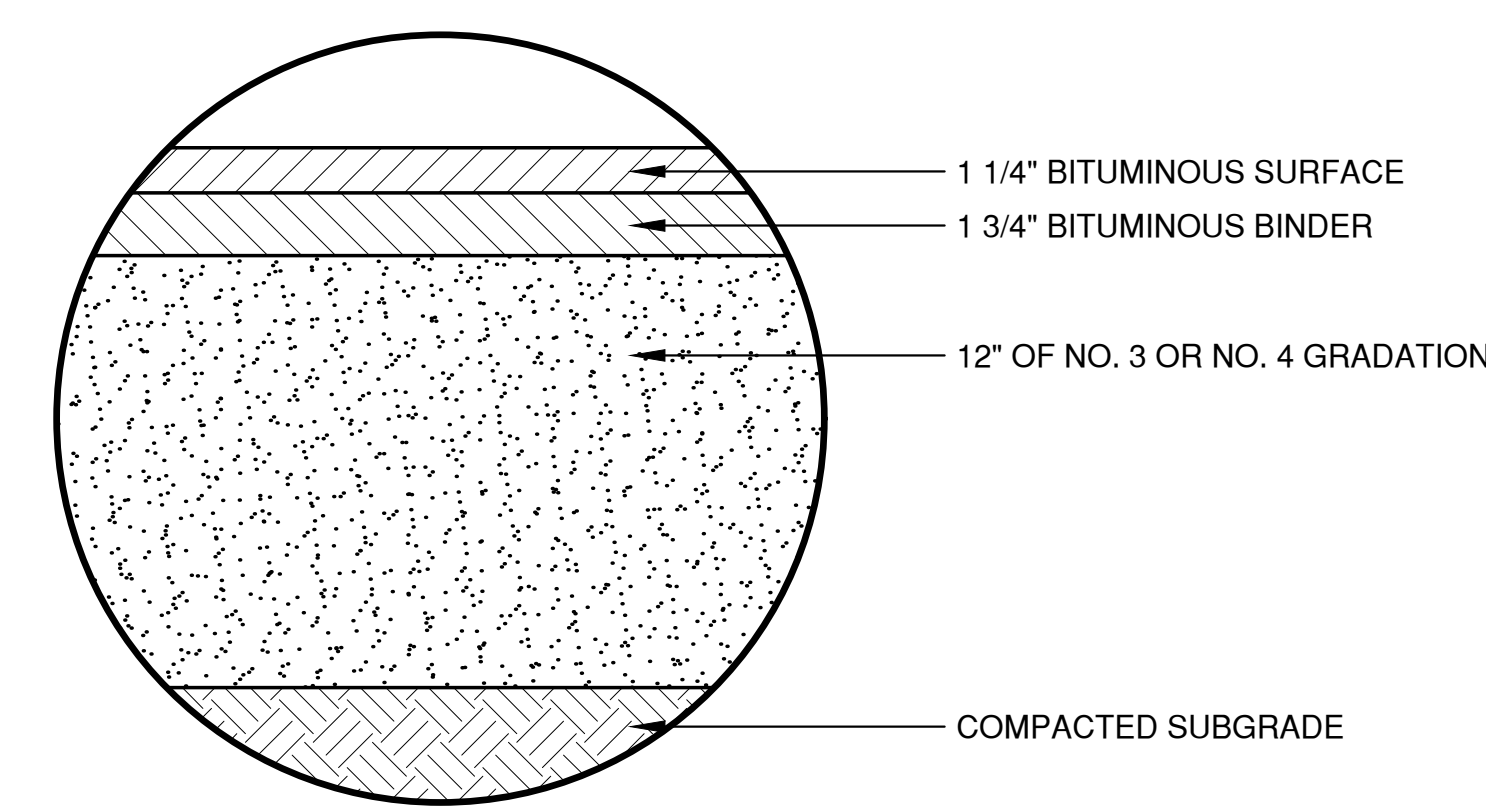
TOOLED CONTRACTION JOINT EXPANSION JOINT

WALK WIDTH	CONTRACTION JOINT SPACING		EXPANSION JOINT SPACING
	TRANSVERSE	LONGITUDINAL	
4'	4'	NOT REQ'D	100' MAX.
5'	5'	NOT REQ'D.	100' MAX.
6'	6'	NOT REQ'D.	100' MAX.
8'	4'	4'	100' MAX.
10'	5'	5'	100' MAX.
12'	6'	6'	100' MAX.

SIDEWALK DETAIL



CONCRETE PAVEMENT



LIGHT DUTY ASPHALT PAVEMENT

File: P:\S\2015\15030\15030.DWG, 5/13/2015, 10:10:10 AM  
 Plot Date: May 10, 2015 10:10:10 AM  
 LAYOUT: DETAILS (1)

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION

DRAWN BDR  
 CHECKED  
 DESIGNED BDR

PRESERVE DEVELOPMENT CLUBHOUSE  
 FOR ATKINS FAMILY BUILDERS  
 CITY OF DE PERE  
 BROWN COUNTY, WISCONSIN

DATE 05/20/23  
 FILE 539302DETAILS  
 JOB NO. 539302

**REL Robert E. Lee & Associates, Inc.**  
 1250 Centennial Centre Blvd | Hobart, WI | 920-662-9641 | releinc.com

SHEET NO. 5

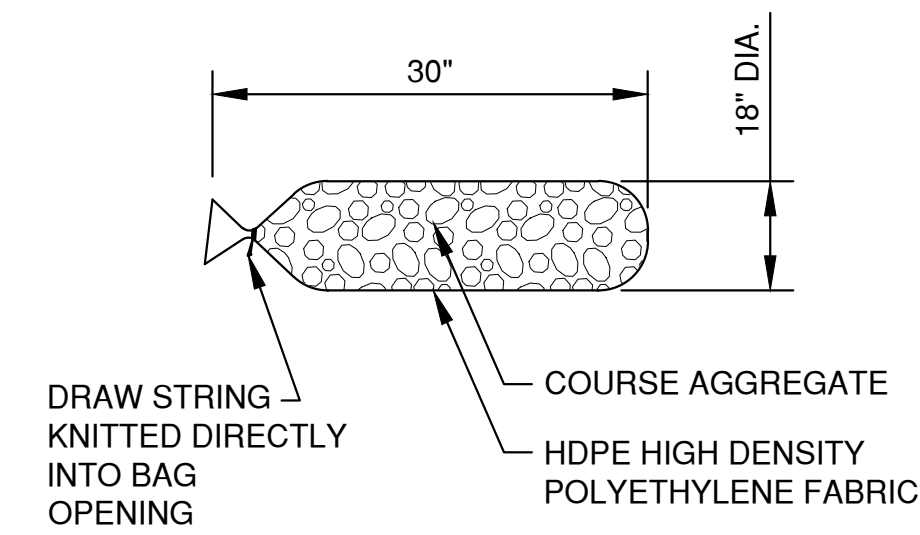












FILTER BAG DETAIL

NOTES:

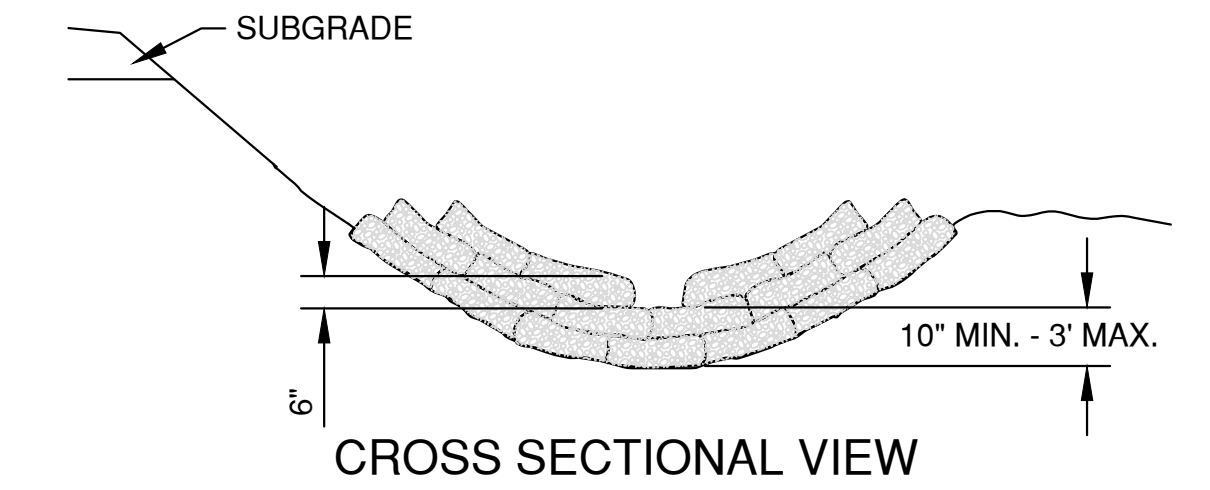
- 18" X 30" ROCK FILLED FILTER BAG SHALL BE COMPRISED OF THE FOLLOWING:

HDPE HIGH DENSITY POLYETHYLENE  
 HDPE HIGH DENSITY POLYETHYLENE DRAW STRING KNITTED DIRECTLY  
 INTO BAG OPENING.  
 80% FABRIC CLOSURE WITH APPARENT OPENING SIZE NO LARGER THAN  
 1/8" X 1/8"  
 ROLLED SEAM USING A MINIMUM OF 480 DENIER POLYESTER  
 SEWING YARN FOR STRENGTH AND DURABILITY.

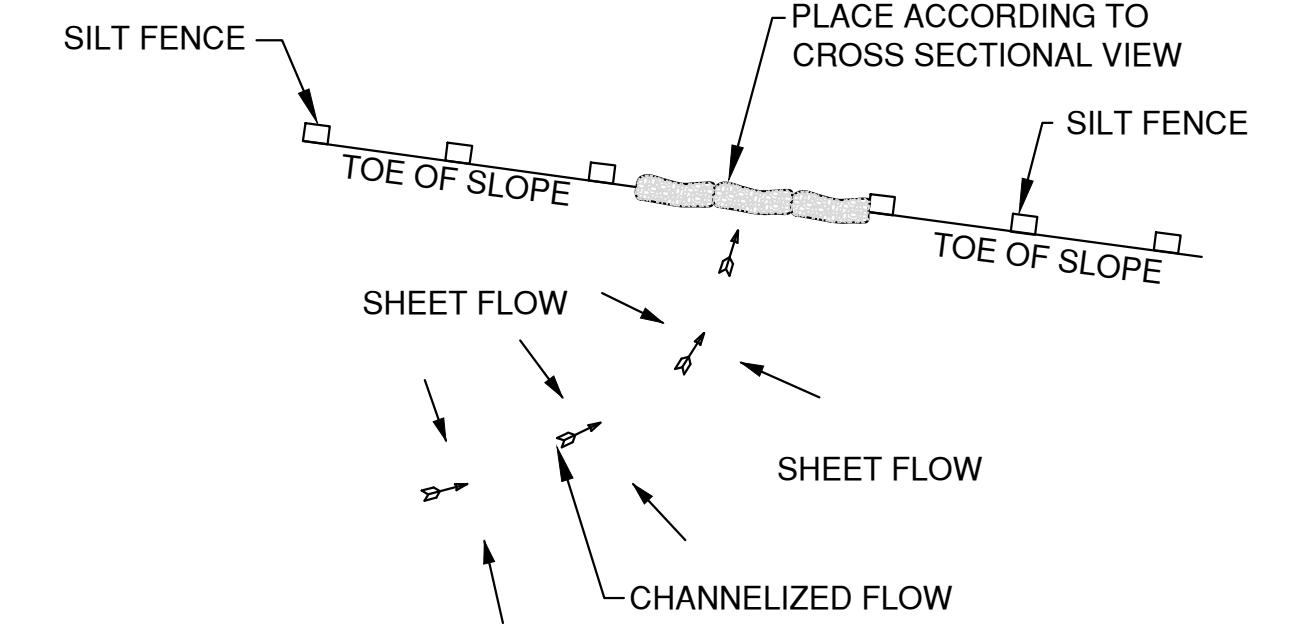
- USE WELL GRADED COURSE AGGREGATE CONFORMING TO THE FOLLOWING GRADATION REQUIREMENTS

SIEVE SIZE	SIZE NO.
2 INCH (50 mm)	-
1 1/2 INCH (37.5mm)	-
1 INCH (25.0 mm)	100
3/4 INCH (19.0mm)	90-100
3/8 INCH (9.5mm)	20-55
No. 4 (4.75mm)	0-10
No. 8 (2.36mm)	0-5

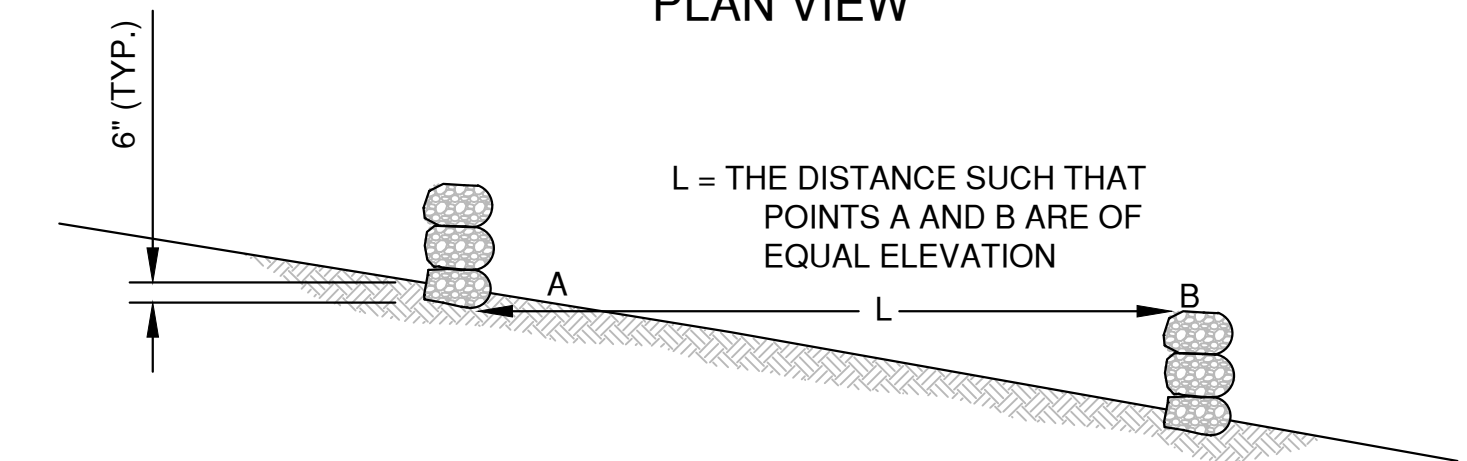
(1) SIZE No. ACCORDING TO AASHTO M 43



CROSS SECTIONAL VIEW



PLAN VIEW



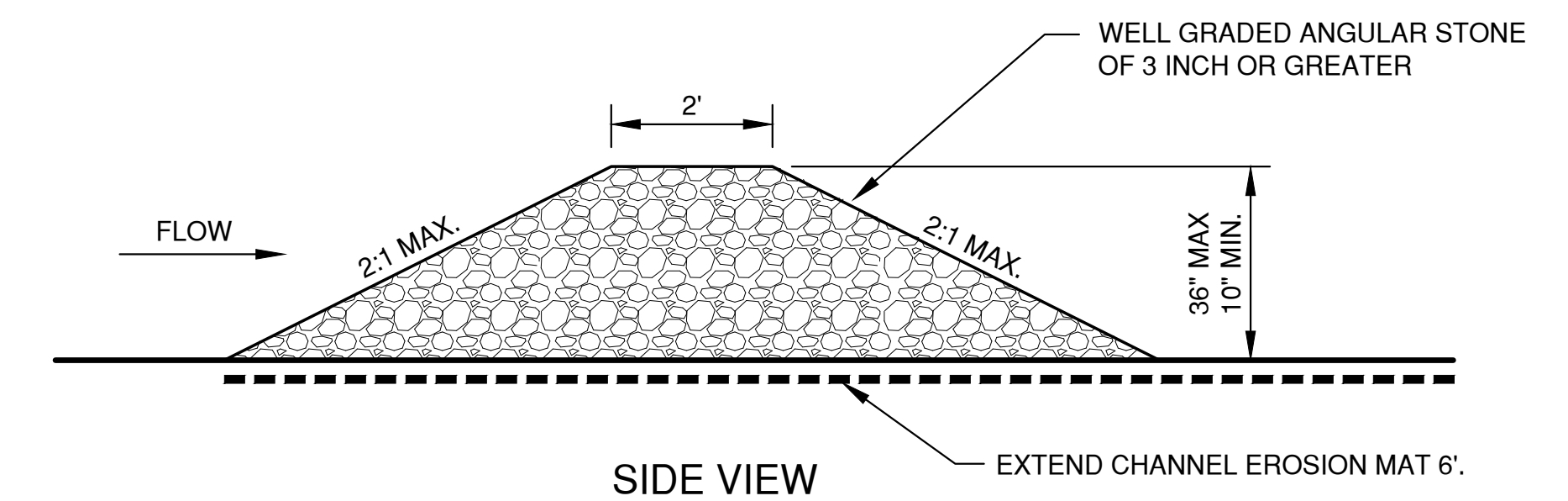
SIDE VIEW

DITCH CHECK DETAIL

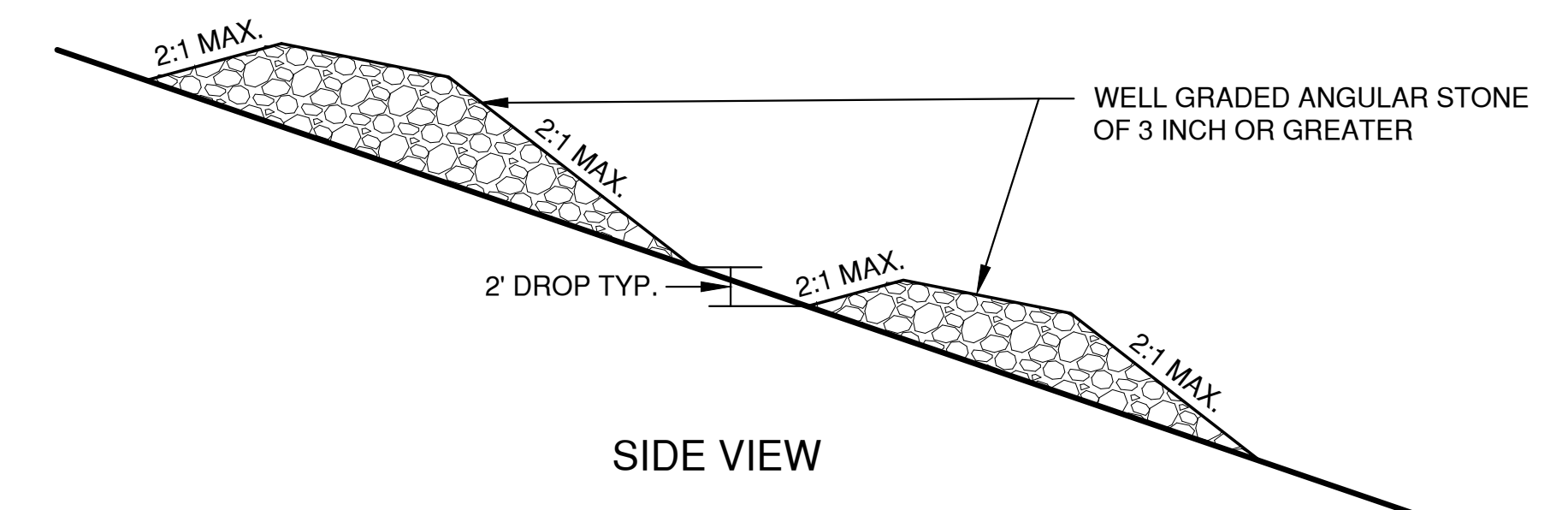
ROCK FILLED EROSION CONTROL BAGS  
 TYPE B

DITCH CHECK GENERAL NOTES:

- DITCH CHECKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1062.
- AT A MINIMUM, INSTALL ONE DITCH CHECK FOR EVERY 2 FEET OF VERTICAL DROP.
- DITCH CHECKS SHALL BE PLACED SUCH THAT THE RESULTING PONDING WILL NOT CAUSE AN INCONVENIENCE OR DAMAGE TO ADJACENT AREAS.



SIDE VIEW



SIDE VIEW

TEMPORARY DITCH CHECK USING STONE  
 TYPE C

File: P:\S\2020\15\15020\DWG\3-DITCH CHECK.dwg  
 Plot Date: May 10, 2023 7:35am  
 LAYOUT: 3. DITCH CHECKS

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION	DRAWN BDR
								CHECKED
								DESIGNED
								BDR

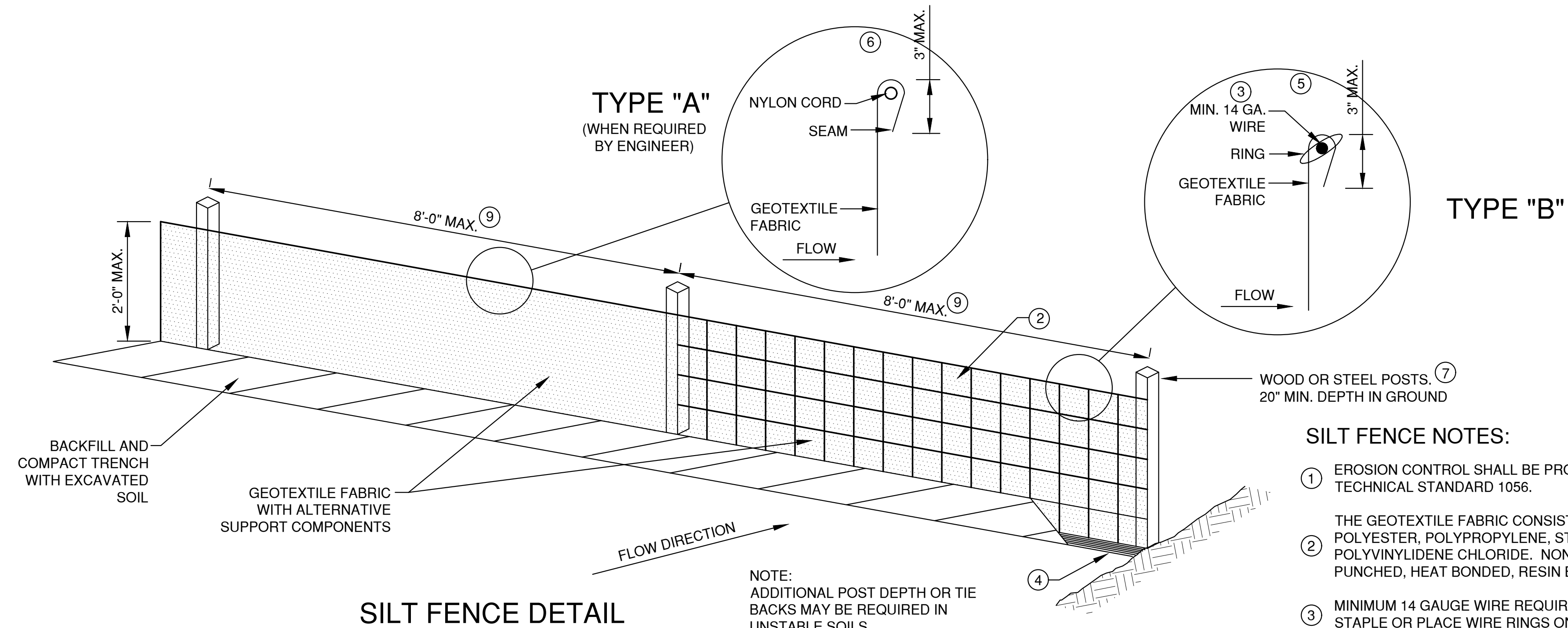
PRESERVE DEVELOPMENT CLUBHOUSE  
 FOR ATKINS FAMILY BUILDERS  
 CITY OF DE PERE  
 BROWN COUNTY, WISCONSIN

EROSION CONTROL  
 DITCH CHECK DETAILS

DATE  
05/2023  
 FILE  
5393026EC  
 JOB NO.  
5393026

**REL** Robert E. Lee  
 & Associates, Inc.  
 1250 Centennial Centre Blvd | Hobart, WI | 920-662-9641 | releinc.com

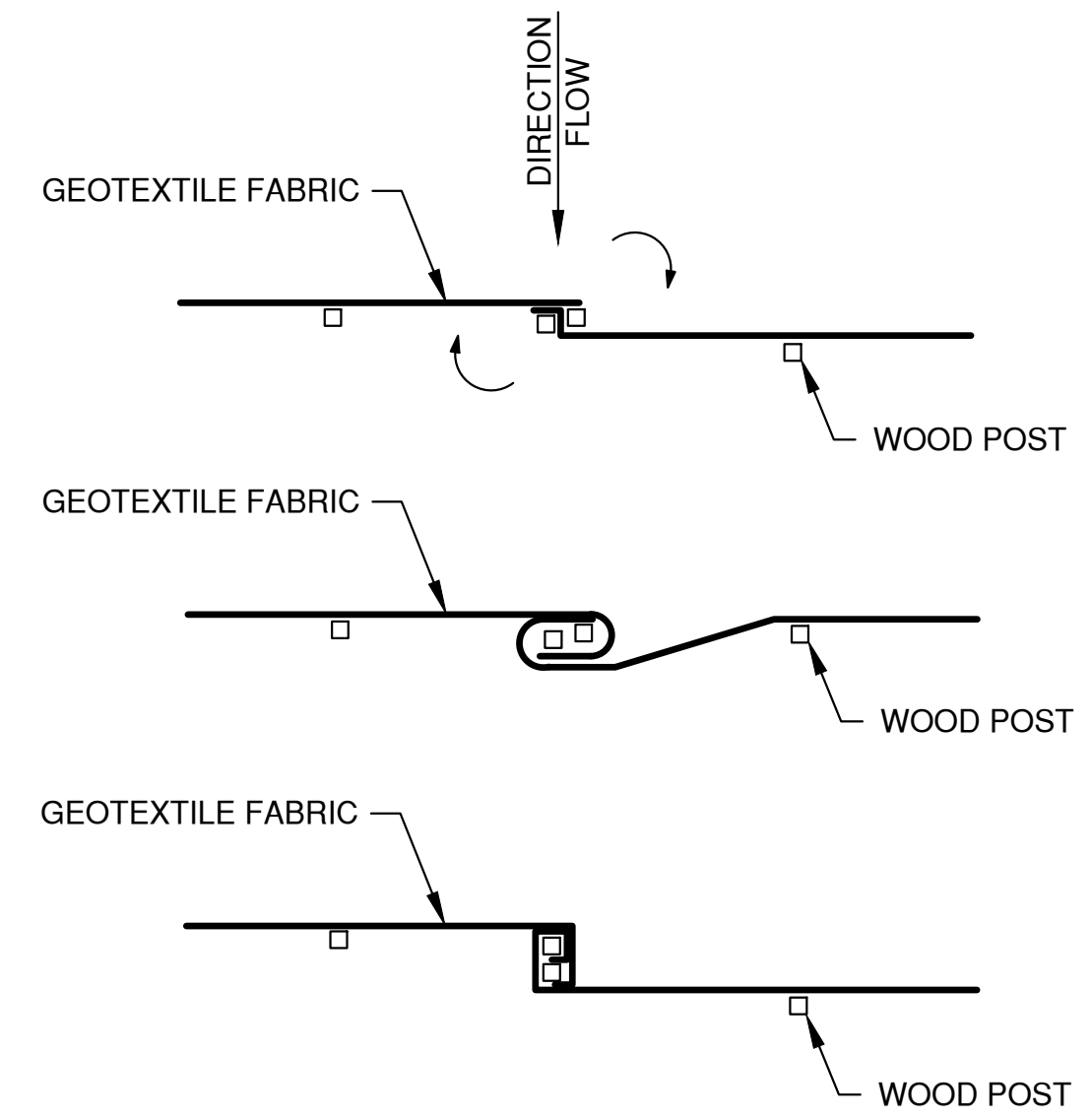




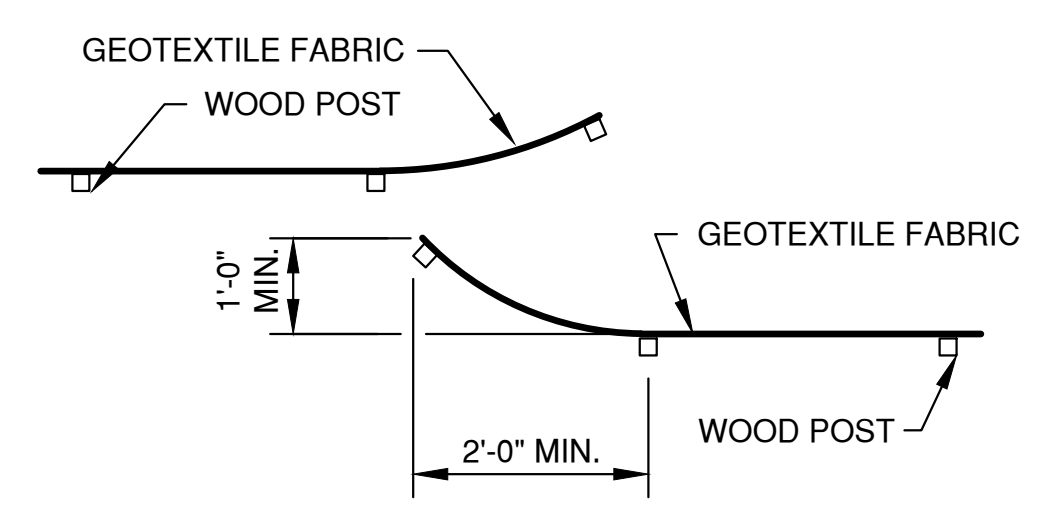
**SILT FENCE DETAIL**

**SILT FENCE NOTES:**

- ① EROSION CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1056.
- ② THE GEOTEXTILE FABRIC CONSISTS OF EITHER WOVEN OR NON-WOVEN POLYESTER, POLYPROPYLENE, STABILIZED NYLON, POLYETHYLENE OR POLYVINYLIDENE CHLORIDE. NON-WOVEN FABRIC MAY BE NEEDLE PUNCHED, HEAT BONDED, RESIN BONDED, OR COMBINATIONS THEREOF.
- ③ MINIMUM 14 GAUGE WIRE REQUIRED, FOLD FABRIC 3" OVER THE WIRE AND STAPLE OR PLACE WIRE RINGS ON 12" C.C.
- ④ EXCAVATE A TRENCH A MINIMUM OF 4" WIDE AND 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL AND COMPACT TRENCH WITH EXCAVATED SOIL
- ⑤ WIRE SUPPORT FENCE SHALL BE 14 GAUGE MINIMUM WOVEN WIRE WITH A MAXIMUM MESH SPACING OF 6". SECURE TOP OF GEOTEXTILE FABRIC TO TOP OF FENCE WITH STAPLES OR WIRE RINGS AT 12" C.C. (TYPE B)
- ⑥ GEOTEXTILE FABRIC SHALL BE REINFORCED WITH AN INDUSTRIAL POLYPROPYLENE NETTING WITH A MAXIMUM MESH SPACING OF 3/4" OR EQUAL. A HEAVY DUTY NYLON TOP SUPPORT CORD OR EQUIVALENT IS REQUIRED. (TYPE A)
- ⑦ STEEL POSTS SHALL BE 5' LONG WITH A MINIMUM STRENGTH OF 1.33 LBS PER FOOT. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1 1/8" X 1 1/8" OF OAK OR HICKORY. THE POSTS SHALL BE A MINIMUM OF 3' LONG FOR 24" SILT FENCE AND 4' LONG FOR 36" SILT FENCE.
- ⑧ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL, IF POSSIBLE, BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY, USE ONE OF THE FOLLOWING TWO METHODS: A.) TWIST METHOD -- OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B.) HOOK METHOD -- HOOK THE END OF EACH SILT FENCE LENGTH.
- ⑨ THE MAXIMUM SPACING OF POSTS FOR WOVEN FABRIC SILT FENCE SHALL BE 8 FEET AND FOR NON-WOVEN FABRIC, 3 FEET.

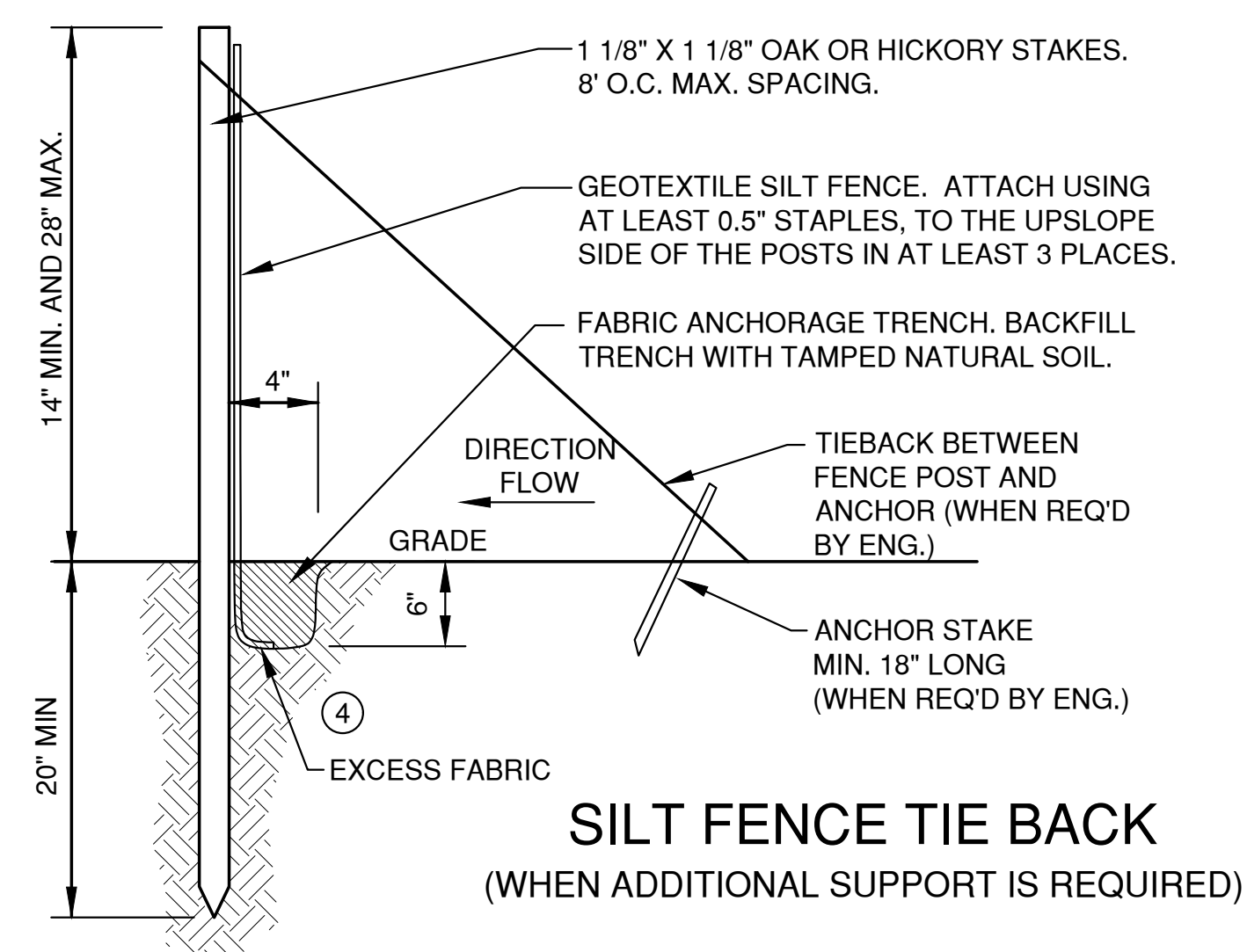


**TWIST METHOD ⑧**



**HOOK METHOD ⑧**

**JOINING TWO LENGTHS OF SILT FENCE**



**SILT FENCE TIE BACK (WHEN ADDITIONAL SUPPORT IS REQUIRED)**

**EROSION CONTROL SHEET FLOW NOTES:**

1. ANY SOIL STOCKPILED THAT REMAINS FOR MORE THAN 7 DAYS, SHALL BE COVERED OR TREATED WITH STABILIZATION PRACTICES SUCH AS TEMPORARY OR PERMANENT SEEDING AND MULCHING.
2. A MINIMUM OF 4" OF TOPSOIL MUST BE APPLIED TO ALL AREAS TO BE SEEDDED OR SODDED.
3. ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, WASTEWATER, TOXIC MATERIALS, OR HAZARDOUS MATERIALS) SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO BE CARRIED OFF-SITE BY RUNOFF OR WIND.
4. ALL OFF-SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF CONSTRUCTION WORK OR A STORM EVENT SHALL BE CLEANED UP BY THE END OF EACH DAY. **FLUSHING SHALL NOT BE ALLOWED.**
5. ANY SOIL EROSION THAT OCCURS AFTER FINAL GRADING AND/OR THE APPLICATION OF STABILIZATION MEASURES MUST BE REPAIRED AND THE STABILIZATION WORK REDONE.
6. FOR ANY DISTURBED AREA THAT REMAINS INACTIVE FOR GREATER THAN 7 WORKING DAYS, OR WHERE GRADING WORK EXTENDS BEYOND THE PERMANENT SEEDING DEADLINES, THE SITE MUST BE TREATED WITH TEMPORARY STABILIZATION MEASURES SUCH AS SOIL TREATMENT, TEMPORARY SEEDING AND/OR MULCHING.
7. ALL TEMPORARY EROSION CONTROL PRACTICES SHALL BE MAINTAINED UNTIL THE SITE IS STABILIZED WITH 70% VEGETATION AND A NOTICE OF TERMINATION HAS BEEN APPROVED BY THE WDNR.
8. WIND EROSION SHALL BE KEPT TO A MINIMUM DURING CONSTRUCTION. WATERING, MULCH OR A TACKING AGENT MAY NEED TO BE UTILIZED TO PROTECT NEARBY RESIDENCES/WATER RESOURCES.
9. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL THE EROSION CONTROL MEASURES IN CONFORMANCE WITH THE WDNR CONSERVATION PRACTICE STANDARDS LATEST EDITION.
10. UPON COMPLETION OF STORM INLET CONSTRUCTION, INSTALL STORM DRAIN INLET PROTECTION FOR CONSTRUCTION SITE AS SPECIFIED.
11. FINE SEDIMENT ACCUMULATIONS SHALL BE CLEANED FROM STREETS, PRIVATE DRIVES, OR PARKING AREAS BY MANUAL OR MECHANICAL SWEEPING A MINIMUM OF ONCE A WEEK AND BEFORE ALL IMMINENT RAINS
12. EROSION AND SEDIMENT CONTROL STRUCTURES SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS OF RAINFALL OF 0.5" OR MORE.

LAYOUT: 4 SHEET FLOW  
DATE: May 10, 2023  
FILE: P:\S\2023\5393026\5393026.ec.dwg

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION	DRAWN BDR	PRESERVE DEVELOPMENT CLUBHOUSE FOR ATKINS FAMILY BUILDERS CITY OF DE PERE BROWN COUNTY, WISCONSIN	EROSION CONTROL SHEET FLOW DETAILS	DATE		SHEET NO.
								CHECKED			05/2023		9
								DESIGNED			FILE		
								BDR			5393026EC		
										JOB NO.	1250 Centennial Centre Blvd   Hobart, WI   920-662-9641   releinc.com		
										5393026			





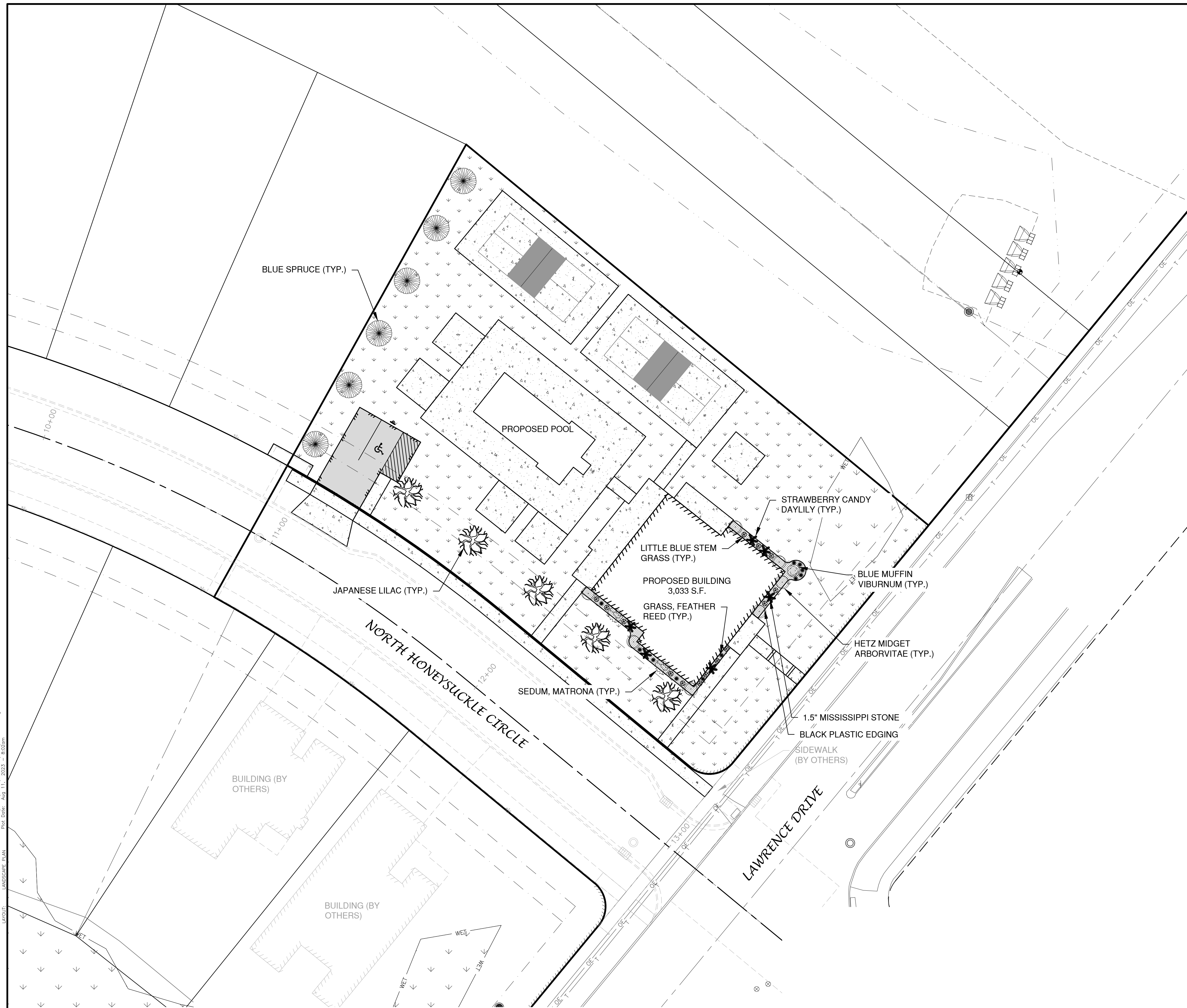












**TREE LEGEND**

SYMBOL	COMMON NAME	LATIN NAME	PLANT SIZE	QUANTITY
	JAPANESE TREE, IVORY SILK LILAC	SYRINGA RETICULATA 'IVORY SILK'	2" CALIPER	5
	BLUE SPRUCE	PICEA PUNGENS	6' TALL	6

**SHRUBS LEGEND**

SYMBOL	COMMON NAME	LATIN NAME	PLANT SIZE	QUANTITY
	BLUE MUFFIN VIBURNUM	VIBURNUM DENTATUM 'CHRISTOM'	5 GAL.	1
	HETZ MIDGET ARBORVITAE	THU JA OCCIDENTALIS 'HETZ MIDGET'	5 GAL.	7

**ORNAMENTAL GRASSES LEGEND**

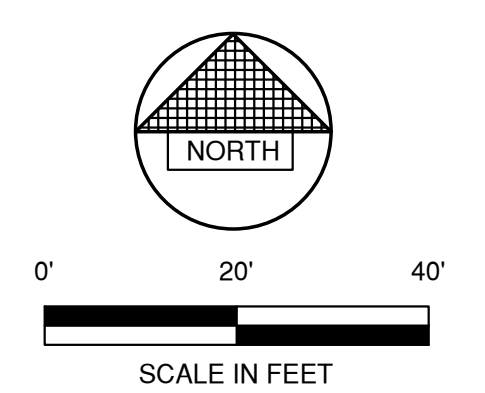
SYMBOL	COMMON NAME	LATIN NAME	PLANT SIZE	QUANTITY
	GRASS, FEATHER REED	CALAMAROSTIS ACUTIFLORA 'KARL FOERSTER'	1 GAL.	11
	LITTLE BLUE STEM GRASS	SCHIZACHRIUM SCOPARIUM	1 GAL.	14

**PERENNIALS LEGEND**

SYMBOL	COMMON NAME	LATIN NAME	PLANT SIZE	QUANTITY
	SEDUM, MATRONA	SEDUM 'MATRONA'	1 GAL.	2
	STRAWBERRY CANDY DAYLILY	HEMEROCALLIS 'STRAWBERRY CANDY'	1 GAL.	6

**TREE / PLANTING MAINTENANCE**

MAINTAIN TREES AND PLANTINGS BY PRUNING, CULTIVATING, WATERING, WEEDING, FERTILIZING, RESTORING PLANTING SAUCERS, ADJUSTING AND REPAIRING, AND RESETTling TO PROPER GRADES OR VERTICAL POSITION, AS REQUIRED TO ESTABLISH HEALTH. VIABLE PLANTINGS. SPRAY OR TREAT AS REQUIRED TO KEEP TREES AND SHRUBS FREE OF INSECTS AND DISEASE.



File: P:\S\2023\15\150305\DWG\Clubhouse.dwg  
 Plot Date: Aug 11, 2023 8:02am  
 LANDSCAPE PLAN  
 LAYOUT

NO.	DATE	APPROV.	REVISION	NO.	DATE	APPROV.	REVISION

DRAWN BDR  
 CHECKED BDB  
 DESIGNED BDR  
 PRESERVE DEVELOPMENT CLUBHOUSE  
 FOR ATKINS FAMILY BUILDERS  
 CITY OF DE PERE  
 BROWN COUNTY, WISCONSIN

LANDSCAPE PLAN

DATE 04/2023  
 FILE CLUBHOUSE  
 JOB NO. 5393026



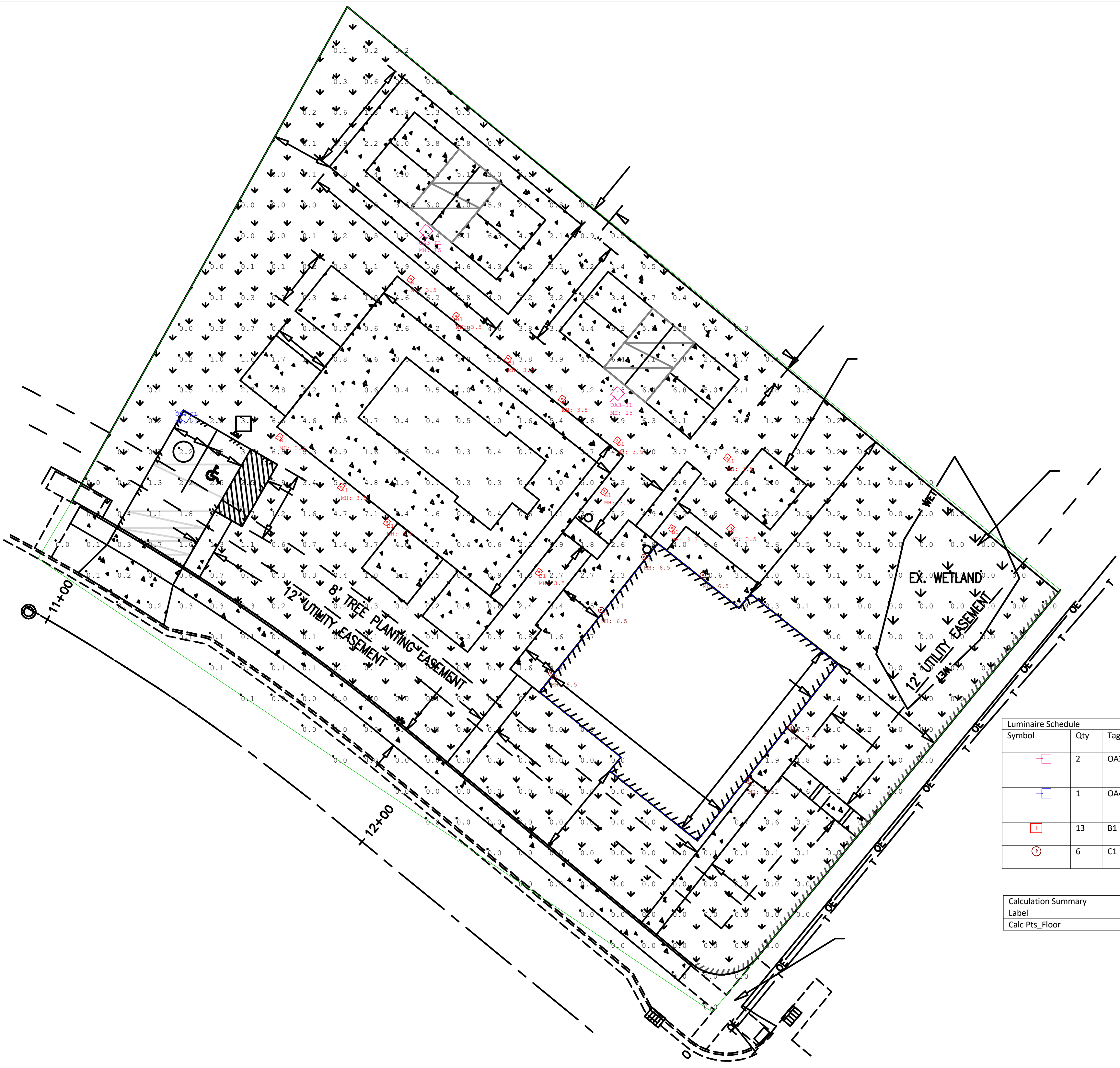
SHEET NO.  
**L1**

**PRELIMINARY**  
 Not for Construction









Symbol	Qty	Tag	Label	Arrangement	Description	[MANUFAC]	LLF	Luminaire Lumens	Luminaire Watts	Total Watts
□	2	OA3-IL	MRS-LED-09L-SIL-3-40-70CRI-IL	Single	MRS-LED-09L-SIL-3-40-70CRI-IL, 15' SSS POLE	LSI INDUSTRIES, INC.	0.950	6459	63	126
□	1	OA4-IL	MRS-LED-06L-SIL-FT-40-70CRI-IL	Single	MRS-LED-06L-SIL-FT-40-70CRI-IL, 15' SSS POLE	LSI INDUSTRIES, INC.	0.950	3991	41	41
□	13	B1	C202B-C-L22-12W-S-4K	Single	C202B-C-L22-12W-S-4K	WAVE LIGHTING LLC	0.600	2772	21.5	279.5
⊙	6	C1	S50V-C-LR12-C	Single	S50V-C-LR12-C	Inter-Global Inc	0.950	1068	12.547	75.282

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Avg/Min
Calc Pts_Floor	Illuminance	Fc	1.46	10.6	0.0	N.A.

1. Standard reflectance of 80/50/20 unless noted otherwise
2. Not a construction document, for design purposes only
3. Standard indoor calc points @ 30" AFF unless noted otherwise
4. Standard outdoor calc points @ grade unless noted otherwise
5. Visual Impact assumes no responsibility for installed light levels due to field conditions, etc.
6. Standard LLF of 0.95 unless noted otherwise

#	Date	Comments
Revisions		

Drawn By: ATH  
 Checked By:  
 Date: 8/2/2023  
 Scale:

**Preserve Clubhouse**  
 City of De Pere, WI



**PROJECT:**  
**BUNGALOWS OF DE PERE HOA CLUBHOUSE**

**APPLICABLE CODES AND STANDARDS:**

SPS 361-366 WISCONSIN COMMERCIAL BUILDING CODE  
 INTERNATIONAL BUILDING CODE (IBC) 2015  
 ADA STANDARDS FOR ACCESSIBLE DESIGN

**BUILDING SUMMARY:**

HOA CLUBHOUSE AND POOL  
 1 STORY  
 UNSPRINKLERED PER NFPA 13R GROUP A3/B

**BUILDING HEIGHT AND AREA:**

A3 ALLOWABLE HEIGHT (VA) = 2 STORIES / 50 FEET  
 BUILDING HEIGHT = 1 STORY / 26 FEET  
 AS ALLOWABLE AREA (VA) = 11,500 SF  
 INTERIOR FLOOR AREA = 3,039 SF

**FIRE RATINGS:**

(VA CONSTRUCTION)  
 STRUCTURAL FRAME = 1 HR  
 EXTERIOR WALLS = 0 HR  
 BEARING WALLS = 1 HR  
 ROOF CONSTRUCTION = 1 HR

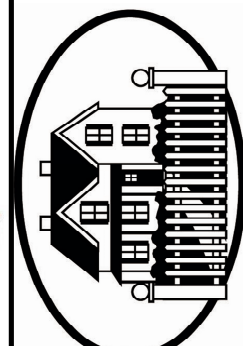
ATKINS FAMILY BUILDERS  
 2050 SWEETERN DR.  
 GREEN BAY, WI 54313  
 (920) 217-0210

BUNGALOWS OF DE PERE CLUBHOUSE

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DATE: 10 JULY 2023  
 DRAWN BY: Karl Kauffman  
 SCALE: 1/4" = 1'-0"  
 DRAWING NO: KR0-23-006  
 OF

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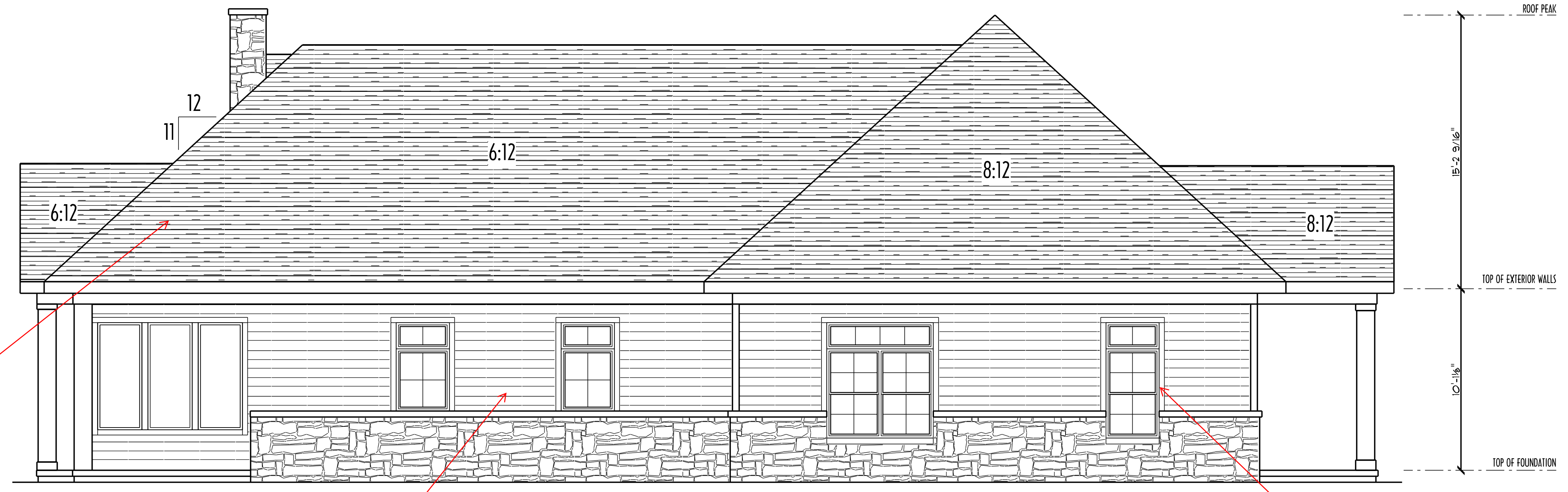




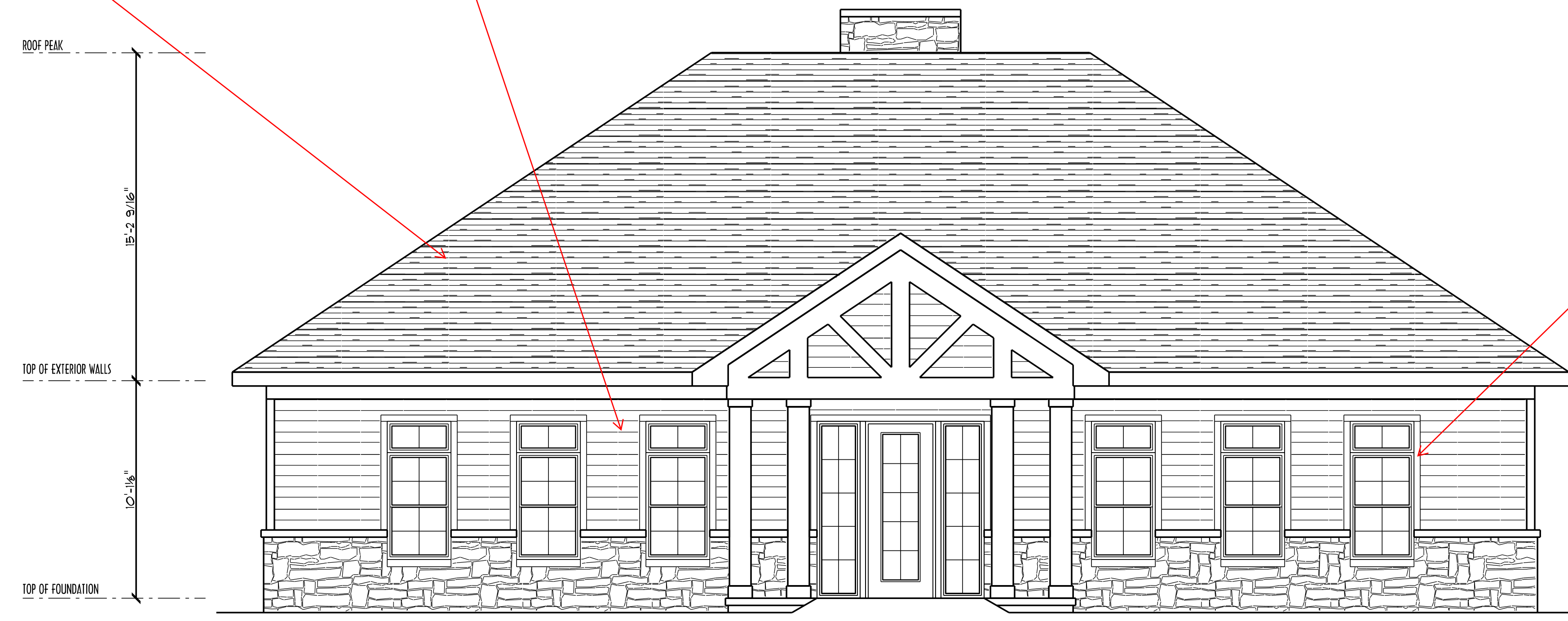
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BUNGALOWS OF DE PERE  
 CLUBHOUSE

ATKINS FAMILY BUILDERS  
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 GREEN BAY, WI 53313  
 (920) 217-0210



LEFT ELEVATION  
 SCALE: 1/4" = 1'-0"



FRONT ELEVATION

Landmark Weatherwood

Vinyl Natural Clay

Dark Bronze Windows and Trim

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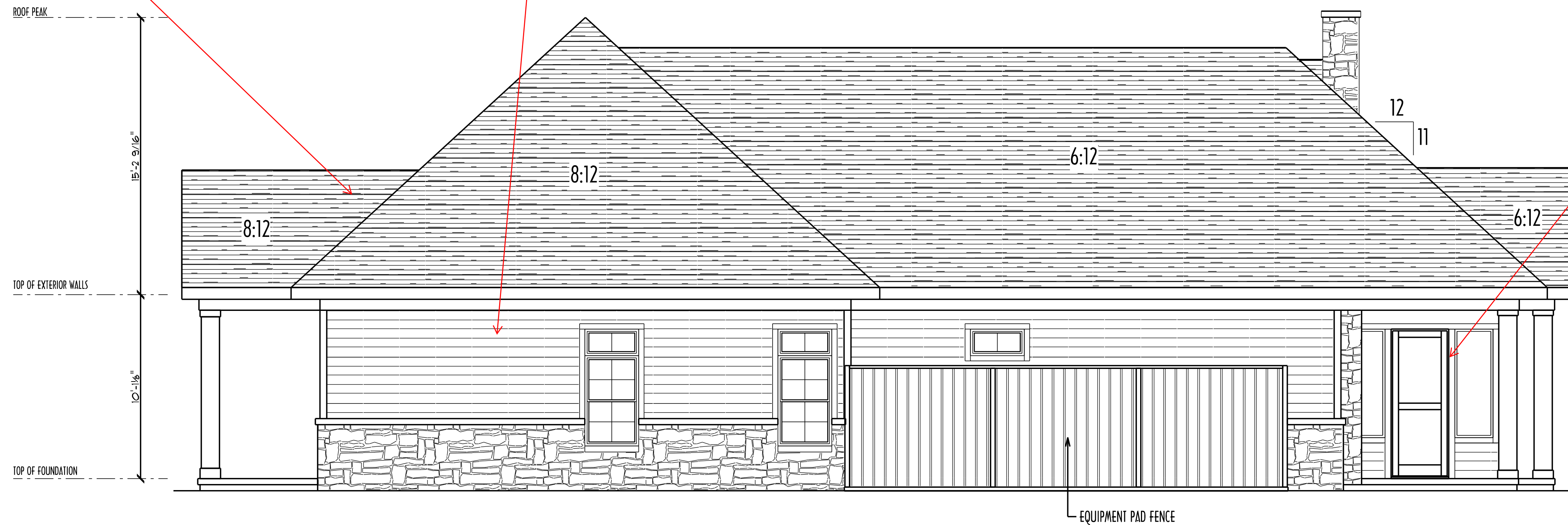
Landmark  
Weatherwood



**REAR ELEVATION**  
SCALE: 1/4" = 1'-0"

Vinyl Natural  
Clay

Dark Bronze  
Windows and  
Trim

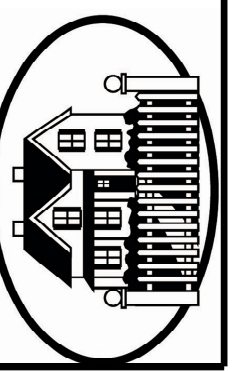


**RIGHT ELEVATION**  
SCALE: 1/4" = 1'-0"

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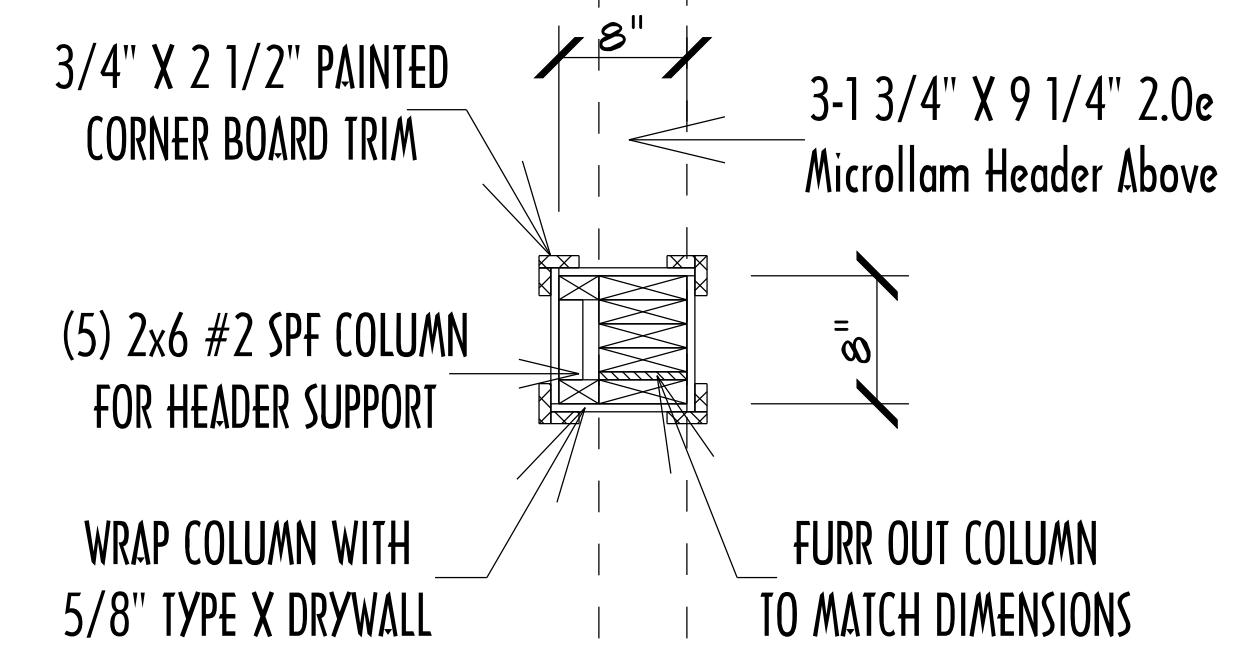
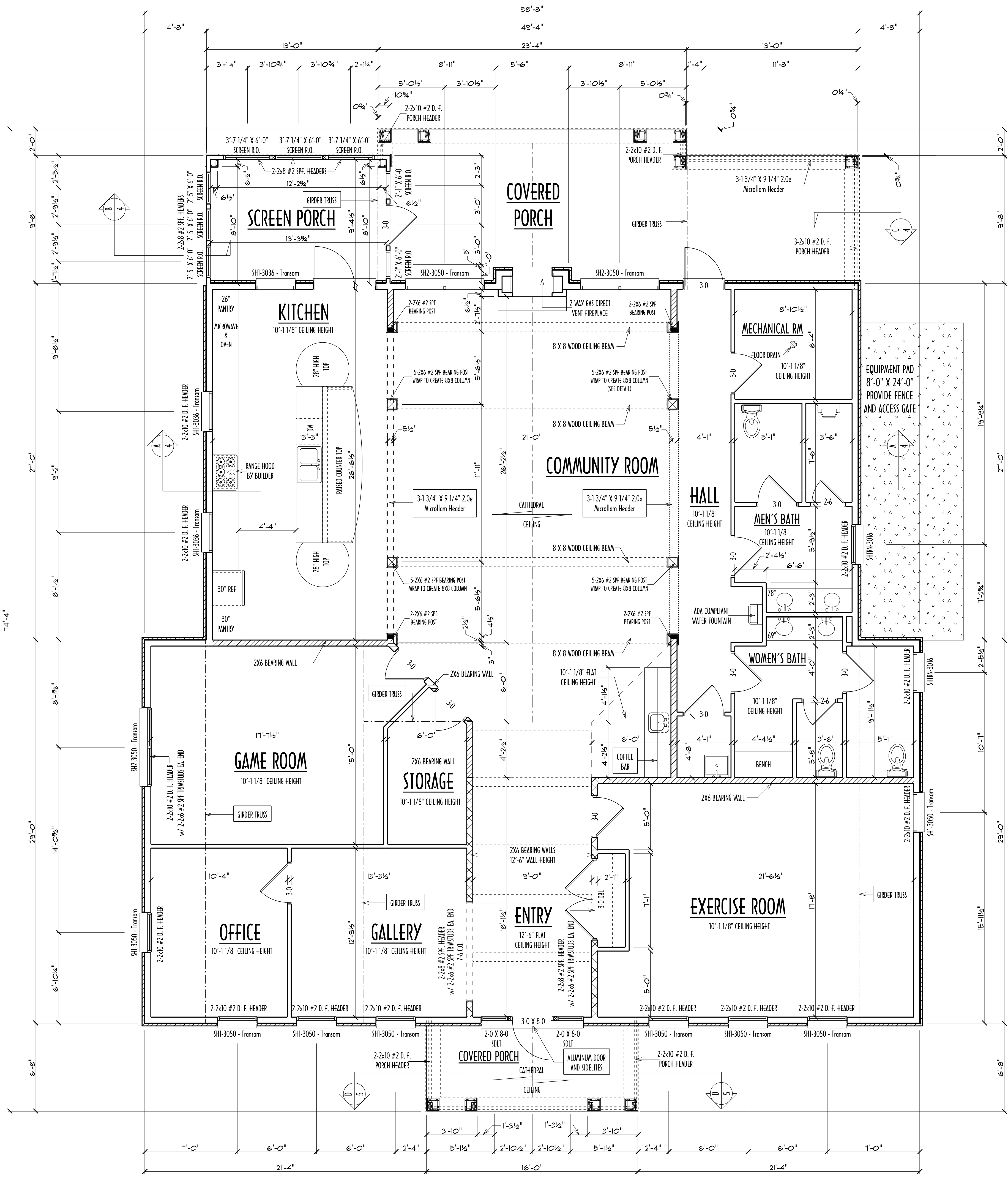
**BUNGALOWS OF DE PERE  
CLUBHOUSE**

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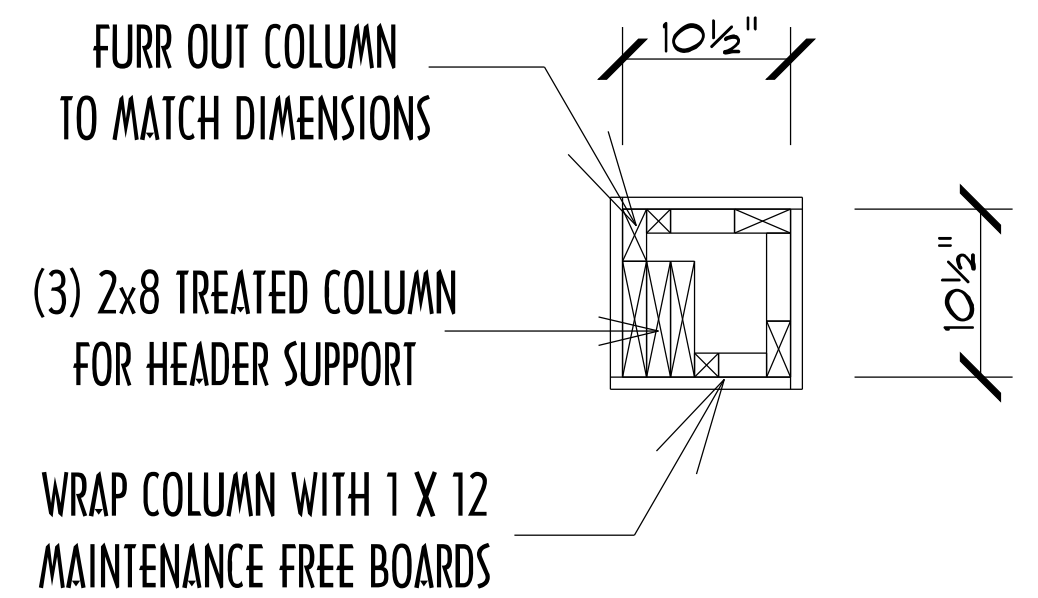
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**INTERIOR COLUMN DETAIL**

SCALE: 1" = 1'-0"



**EXTERIOR COLUMN DETAIL**

SCALE: 1" = 1'-0"

- NOTES:**
- FLOOR: 4" CONCRETE SLAB  
LOADING: TOTAL LOAD = 55#  
TOTAL LOAD AT TILE = 65#  
ICLL = 40#  
ICOL = 10#  
ICOL AT TILE = 20#  
BCOL = 5#  
FLOOR DEFLECTION: LL = L/480  
TL = L/240
  - ROOF SYSTEM:  
LOADING: TOTAL LOAD = 50#  
ICLL = 30#  
ICOL = 10#  
BCOL = 10#  
ROOF DEFLECTION: LL = L/240  
TL = L/180  
DURATION OF LOAD: 1.15%
  - STD. HEADERS: (2)-2x12 #2 DF
  - EXT. WALL STUDS: 1ST FLR: 2x6-116 5/8"
  - INT. WALL STUDS: 1ST FLR: 2x4-116 5/8"
  - WINDOW SIZES SHOWN ARE FOR VISIONS  
WINDOWS. SEE CATALOG FOR DETAILS
  - ALL DIMENSIONS SHOWN ARE TO FACE OF STUD.
  - STAIRS: BSMT. TO 1ST FLR: N/A
  - BUILDER TO PROVIDE AN ATTIC SCUTTLE
  - FIRE SEPARATION MUST BE PROVIDED BETWEEN HOUSE AND GARAGE. SEE CODE FOR DETAILS.
  - A MINIMUM OF DOUBLE TRIMSTUDS MUST BE USED FOR ALL OPENINGS 6'-0" AND LARGER.
  - THE CONDITIONS LISTED HERE ARE STANDARD FOR THIS PLAN. EXCEPTIONS ARE NOTED ON THE PLAN.

**FLOOR PLAN**  
10'-1 1/8" CEILING HEIGHT  
3039 SQ. FT. @ HOUSE  
132 SQ. FT. @ SCREEN PORCH

**NOTE:**

- ALL INTERIOR BEARING WALLS TO HAVE 5/8" TYPE X DRYWALL EACH SIDE.
- INTERIOR CEILINGS TO HAVE 5/8" TYPE C DRYWALL WITH RESILIENT CHANNEL AT 12" O/C.
- PORCH CEILINGS TO HAVE 2 LAYERS OF 5/8" EXTERIOR RATED FIBERGLASS-REINFORCED GYPSUM BOARD.

**NOTE:**  
PLEASE SEE CABENT BUILDERS LAYOUTS FOR CABINET DIMENSIONS

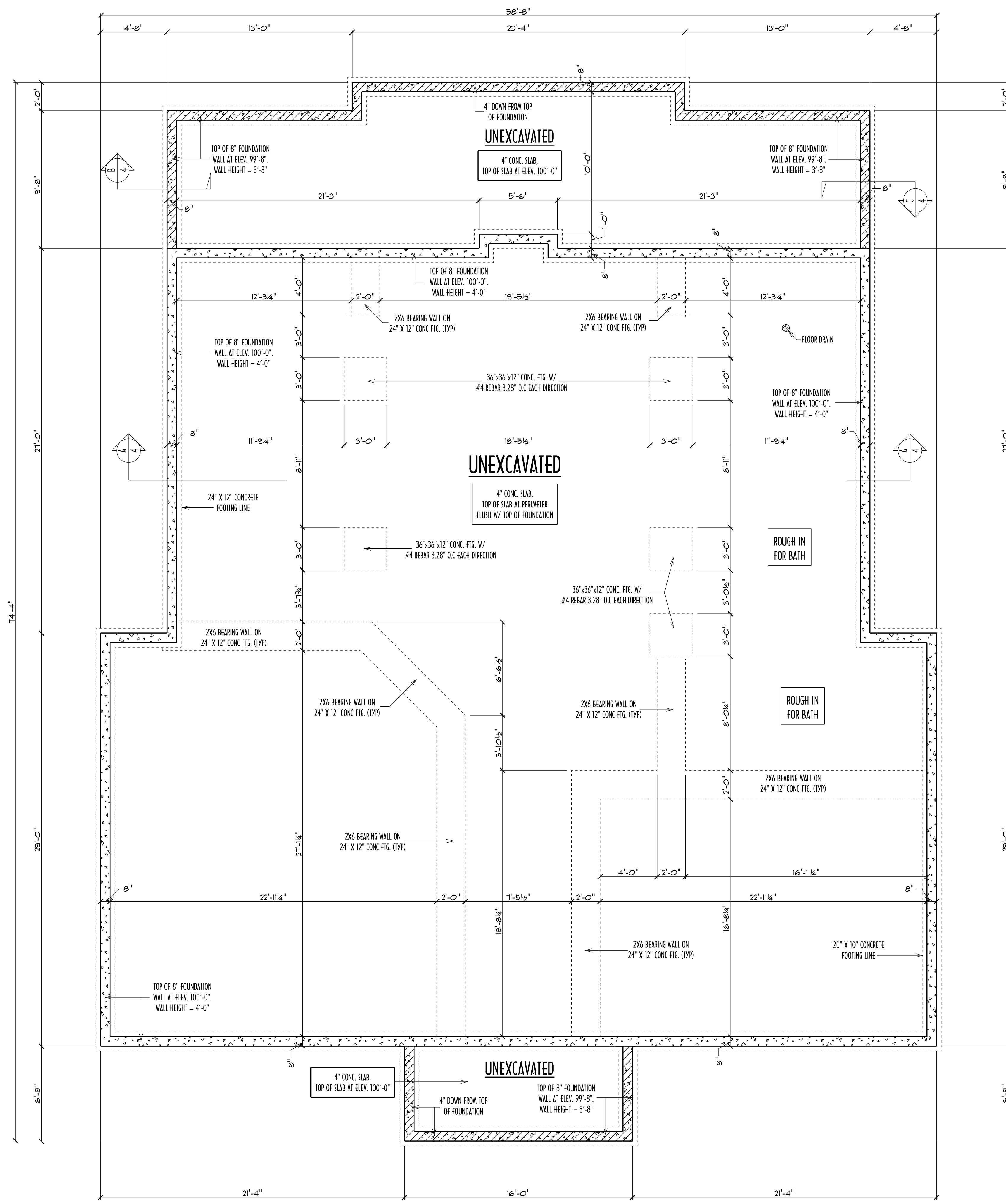
**NOTE:**  
BUILDER RESPONSIBLE TO TRANSFER ALL LOADS FROM ABOVE THROUGH FLOOR SYSTEM AND WALLS. USE SOLID BLOCKING AND BEARING POSTS TO TRANSFER LOADS TO BEAMS AND FOUNDATION.

**NOTE:**  
PLEASE SEE HEADER INFORMATION SHEETS FOR MULTI MEMBER FASTENING INFORMATION

**NOTE:**  
ALL BEARING OPENINGS REQUIRE 2-2X12 #2 D.F. HEADERS UNLESS A SPECIFIC HEADER IS NOTED BY AN OPENING. A MINIMUM OF DOUBLE TRIMSTUDS MUST BE USED FOR ALL OPENINGS 6'-0" AND LARGER

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- NOTES:**
- FOUNDATION WALLS:  
HOUSE: 8" POURED CONCRETE WALLS 4'-0" HIGH  
8" WALLS AT COVERED PORCH AREAS
  - THE FOLLOWING ITEMS ARE TO BE LOCATED IN THE FOUNDATION BY THE CONTRACTOR:  
BASEMENT WINDOWS      FLOOR DRAINS  
ELECTRIC SERVICES      WATER HEATER  
SLUMP PIT & PUMP      FURNACE
  - BUILDER TO PROVIDE HEADERS AT BASEMENT WINDOWS
  - POURED CONCRETE FOOTINGS TO BEAR ON UNDISTURBED SOIL BELOW THE FROST LINE.
  - STEEL COLUMNS TO SUPPORT 12,000 LBS UNLESS NOTED OTHERWISE.
  - ASSUMED SOIL BEARING CAPACITY IS 3000 PSF. FOOTING SIZES MUST BE ADJUSTED FOR VARYING SOIL CONDITIONS.
  - FOUNDATION WALLS ARE ASSUMED TO BE UNREINFORCED 3000 PSI CONCRETE. WALLS ARE DESIGNED PER UDC TABLE 21.10-B BASED ON THE HEIGHT OF UNBALANCED FILL. PROPER REINFORCEMENT (DESIGN BY OTHERS) MAY ALLOW FOR WALLS THAT ARE LESS THICK, BUT ANY DEVIATION FROM THE THICKNESSES SHOWN ON THE PLAN IS THE RESPONSIBILITY OF FOUNDATION AND / OR GENERAL CONTRACTOR.

**NOTE:**  
BUILDER RESPONSIBLE TO TRANSFER ALL LOADS FROM ABOVE THROUGH FLOOR SYSTEM AND WALLS. USE SOLID BLOCKING AND BEARING POSTS TO TRANSFER LOADS TO BEAMS AND FOUNDATION.

## FOUNDATION PLAN

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Although every effort has been made to ensure the accuracy of these plans, the contractor must check all details and be responsible for the same.	DATE: 10 JULY 2023 REVISION:	DRAWN BY: KRD-23-006 SCALE: 1/4" = 1'-0"	4 OF 5
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<b>BUNGALOWS OF DE PERE CLUBHOUSE</b>			
<b>ATKINS FAMILY BUILDERS</b> 2050 SWEETEN DR. GREEN BAY, WI 54313 (920) 217-0210			









# Steel Poles

## Square Straight



### QUICK LINKS

## FEATURES & SPECIFICATIONS

### Pole Shaft

- Straight poles are 4", 5", or 6" square.
- Pole shaft is electro-welded ASTM-A500 Grade C steel tubing with a minimum yield strength of 50,000 psi.
- On Tenon Mount steel poles, tenon is 2-3/8" O.D. high-strength pipe. Tenon is 4-3/4" in length.

### Hand-Hole

- Standard hand-hole location is 12" above pole base.
- Poles 22' and above have a 3" x 6" reinforced hand-hole. Shorter poles have a 2" x 4" non-reinforced hand-hole.

### Base

- Pole base is ASTM-A36 hot-rolled steel plate with a minimum yield strength of 36,000 psi.
- Two-piece square base cover is optional.

### Anchor Bolts

- Anchor bolts can be made available featuring zinc-plated double nuts and washers. Galvanized anchor bolts are optional.
- Anchor Bolts conform to ASTM F 1554-07a Grade 55 with a minimum yield strength of 55,000 PSI.

### Ground Lug

- Ground lug is standard.

### Duplex Receptacle

- Weatherproof duplex receptacle is optional.

### Ground Fault Circuit Interrupter

- Self-testing Ground fault circuit interrupter is optional.

### Finishes

- Every pole is provided with the DuraGrip Protection System and a 5-year limited warranty:
- When the top-of-the line DuraGrip Plus Protection System is selected, in addition to the DuraGrip Protection System, a non-porous, automotive-grade corrosion coating is applied to the lower portion of the pole interior sealing and further protecting it from corrosion. This option extends the limited warranty to 7 years.

### Determining The Luminaire/Pole Combination For Your Application:

- Select luminaire from luminaire ordering information.
- Select bracket configuration if required
- Determine EPA value from luminaire/bracket EPA chart

- Select Pole Height
- Select MPH to match wind speed in the application area (See windspeed maps).
- Confirm pole EPA equal to or exceeding value of luminaire/bracket EPA
- Consult factory for special wind load requirements and banner brackets.

### Pole Vibration Damper

- A pole vibration damper is recommended in open terrain areas of the country where low steady state winds are common.
- Non-tapered poles and lightly loaded poles are more susceptible to destructive vibration if a damper is not installed.

### Listings

- UL Listed
- BAA/TAA Compliant



# Steel Poles Square Straight

Type : \_\_\_\_\_

 **Have questions?** Call us at (800) 436-7800

## ORDERING GUIDE

TYPICAL ORDER EXAMPLE: 4SQ B3 S11G 24 S PLP DGP						
Pole Series	Mounting Method	Material	Height <sup>2</sup>	Mounting Configuration	Pole Finish	Options
4SQ - 4" x 4" Square Straight Pole (New Build)	<b>Bolt-On Mount</b> <sup>1</sup> - See pole selection guide for patterns and fixture matches	<b>S11G</b> - 11 Ga. Steel (4SQ/4SQU and 5SQ/5SQU Only)	8'	<b>S</b> - Single/Parallel	<b>BRZ</b> - Bronze	<b>GA</b> - Galvanized Anchor Bolts
5SQ - 5" x 5" Square Straight Pole (New Build)			10'			
6SQ - 6" x 6" Square Straight Pole (New Build)	<b>B5</b> - 5" Traditional Drilling Pattern	<b>S07G</b> - 07 Ga. Steel	12'	<b>D180</b> - Double	<b>BLK</b> - Black	<b>SF</b> - Single Flood <sup>3</sup>
4SQU - 4" x 4" Square Straight Pole (Retrofit)			13'			
5SQU - 5" x 5" Square Straight Pole (Retrofit)	<b>B3</b> - 3" Reduced Drilling Pattern	<b>S07G</b> - 07 Ga. Steel	14'	<b>D90</b> - Double	<b>PLP</b> - Platinum Plus	<b>DF</b> - Double Flood <sup>3</sup>
6SQU - 6" x 6" Square Straight Pole (Retrofit)			15'			
	<b>B2</b> - 2" Reduced Drilling Pattern	<b>S07G</b> - 07 Ga. Steel	16'	<b>T90</b> - Triple	<b>WHT</b> - White	<b>DGP</b> - DuraGrip <sup>®</sup> Plus
			17'			
	<b>T</b> - Tenon Mount - See pole selection guide for tenon and fixture/bracket matches	<b>S07G</b> - 07 Ga. Steel	17'6"	<b>TN120</b> - Triple	<b>SVG</b> - Satin Verde Green	<b>LAB</b> - Less Anchor Bolts
			18'			
			20'			
			22'			
			22'6"			
			23'			
			24'			
			25'			
			26'			
			27'			
	28'					
	30'					
	32'					
	35'					
	39'					
	<b>I</b> - No Mounting Holes <sup>4</sup>	<b>S07G</b> - 07 Ga. Steel		<b>Q90</b> - Quad	<b>MSV</b> - Metallic Silver	<b>CRXX</b> - Conduit Raceway <sup>4</sup>



**Need more information?**  
[Click here for our glossary.](#)

**Have additional questions?**  
 Call us at (800) 436-7800



## ACCESSORY ORDERING INFORMATION

Part Number	Description
122559CLR	4BC - 4" Square Base Cover
122561CLR	5BC - 5" Square Base Cover
122563CLR	6BC - 6" Square Base Cover
132488CLR	5BC - 5" Square Universal Base Cover
131252CLR	6BC - 6" Square Universal Base Cover
122566CLR	ER2 - Weatherproof Duplex Receptacle
122567CLR	GFI - Ground Fault Circuit Interrupter
132336	MH5 - mounting Hole Plugs for use with 5" traditional drill pattern (3 set of 3 plugs)
681126	MH3 - mounting Hole Plugs for use with 3" reduced drill pattern (3 set of 3 plugs)
725841	MH2 - Mounting Hole Plugs for use with 2" reduced drill pattern (3 sets of 3 plugs)
172539	Vibration Damper - 4" Square Pole (bolt-on mount only)
172538	Vibration Damper - 5" Square Pole (bolt-on mount only)
178361	Vibration Damper - 6" Square Pole (bolt-on mount only)

1 - See Area Light Brackets - 3" Reduced Drill Pattern and Area Light Brackets - 5" Traditional Drill Pattern Spec Sheets.

2 - Pole heights will have +/- 1/2" tolerance.

3 - See Flood Lighting Brackets section for choice of FBO brackets.

4 - CR selection must indicate required height and side of pole mounting location. Mounting template required at time of order.



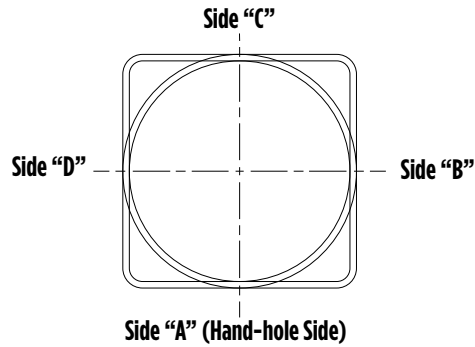
# Steel Poles Square Straight

Type : \_\_\_\_\_

 **Have questions?** Call us at (800) 436-7800

## DRILLING LOCATIONS

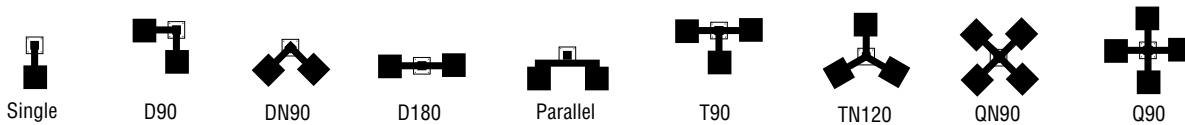
Sides	A	B	C	D
Hand-hole	X			
Single	X			
D180		X		X
D90	X			X
DN90 <sup>1</sup>				
T90	X	X		X
TN120 <sup>2</sup>				
Q90	X	X	X	X
QN90 <sup>3</sup>				
Single FBO	X			
Double FBO		X		X



- 1 - Two locations will be 45° to the left and right of Side A.
- 2 - Other two locations will be 120° to the left and right of Side A.
- 3 - Two locations will be 45° to the left and right of Side A and two locations will be 135° to the left and right of Side A.

Consult factory for custom variations. Standard SF and DF pole preparations are located 3/4 of the height of the pole from the base, except on 20' poles. Maximum height for SF and DF pole preparations on 20' poles is 13' from the base.

## FIXTURE CONFIGURATIONS





# Steel Poles Square Straight

Type : \_\_\_\_\_

 Have questions? Call us at (800) 436-7800

## BOLT CIRCLE

### STANDARD BASEPLATE

4" (102mm) square  
10-1/8" (257mm) sq.



11" (279mm) Dia. Bolt Circle

5" (127mm) square  
10-1/8" (257mm) sq.



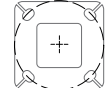
11" (279mm) Dia. Bolt Circle

5" (127mm) square  
10-1/8" (257mm) sq.



11" (279mm) Dia. Bolt Circle

6" (152mm) square  
12" (305mm) sq.



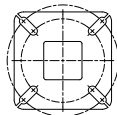
12" (305mm) Dia. Bolt Circle

Bolt Circle Designator	B	C	D	J
Bolt Circle	8"-11" Slotted (203mm-279mm)	9"-11" Slotted (229mm-279mm)	9"-11" Slotted (229mm-279mm)	12" Slotted (305mm)
Anchor Bolt Size	3/4" x 24" (19mm x 609mm)	3/4" x 24" (19mm x 609mm)	1" x 36" (25mm x 914mm)	1" x 36" (25mm x 914mm)
Anchor Bolt Projection	3-1/4" (83mm)	3-1/4" (83mm)	4" (102mm)	4" (102mm)
Base Plate Opening for Wireway Entry	3-5/8" (92mm)	4-3/4" (121mm)	4-5/8" (117mm)	5-5/8" (143mm)
Base Plate Dimensions	10-1/8" sq. x 3/4" thk. (257mm x 19mm)	10-1/8" sq. x 3/4" thk. (257mm x 19mm)	10-1/8" sq. x 1" thk. (257mm x 25mm)	12" sq. x 1-1/8" thk. (305mm x 29mm)
Pole Gauge	11	11	7	7

Note: Base plate illustrations may change without notice. Do not use for setting anchor bolts. Consult factory for the appropriate anchor bolt template.

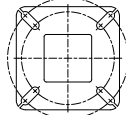
### UNIVERSAL BASEPLATE

4" (102mm) square  
10.5" (267mm) sq.



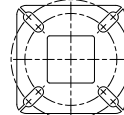
4SQ

5" (127mm) square  
11.125" (283mm) sq.



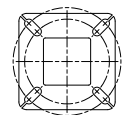
5SQ

5" (127mm) square  
11.75" (298mm) sq.



5SQ

6" (152mm) square  
12-1/2" (318mm) sq.



14" (356mm) Dia. Bolt Circle

Bolt Circle Designator	E	F	G	H
Bolt Circle	9"-12" Slotted	10"-13" Slotted	10"-13" Slotted	11"-14" Slotted (279mm-356mm)
Anchor Bolt Size	3/4" x 24" (19mm x 609 mm)	3/4x 24" (19mm x 609 mm)	1x 36" (25mm x 914 mm)	1" x 36" (25mm x 914mm)
Anchor Bolt Projection	3-1/4" (83 mm)	3-1/4" (83 mm)	4" (102 mm)	4" (102mm)
Base Plate Opening for Wireway Entry	3-5/8" (92mm)	4-3/4" (121mm)	5-1/8" (130 mm)	5-5/8" (143mm)
Base Plate Dimensions	10-1/2" sq. x 3/4" thk. (267 mm x 19 mm)	11-1/8 sq. x 3/4" thk. (283 mm x 19 mm)	11-3/4" sq. x 1" thk. (298 mm x 25 mm)	12 1/2" sq. x 1 1/8" thk. (318mm x 29mm)
Pole Gauge	11	11	7	7

Note: Base plate illustrations may change without notice. Do not use for setting anchor bolts. Consult factory for the appropriate anchor bolt template.



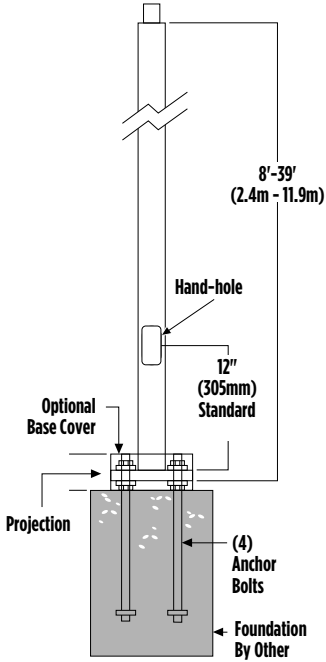
# Steel Poles Square Straight

Type : \_\_\_\_\_

 **Have questions?** Call us at (800) 436-7800

## PRODUCT DIMENSIONS

SQT -  
N= 2-3/8" (60mm) O.D. x 4-3/4" (121mm) Tenon



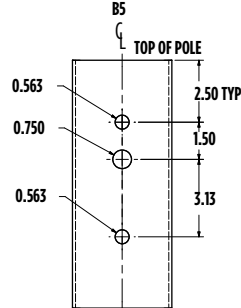
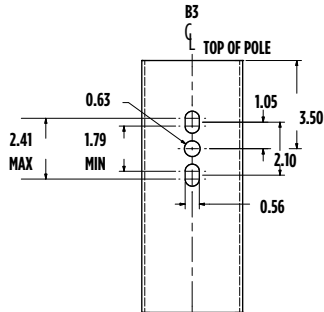
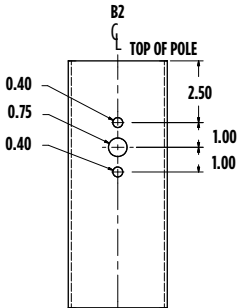
SF -  
Single Flood  
Pole Preparation



### SHIPPING WEIGHTS

4" (102mm) sq. 11 Ga. is approximately	7.50 lbs./ft.
4" (102mm) sq. 07 Ga. is approximately	10.00 lbs./ft.
5" (127mm) sq. 11 Ga. is approximately	9.00 lbs./ft.
5" (127mm) sq. 07 Ga. is approximately	12.50 lbs./ft.
6" (152mm) sq. 07 Ga. is approximately	15.40 lbs./ft.
Anchor Bolts (3/4" x 24") (19mm x 609mm)	15 lbs. (7kg)/set
Anchor Bolts (1" x 36") (25mm x 914mm)	30 lbs. (14kg)/set

### Bolt-On Mount 2-Bolt Pattern





# Steel Poles Square Straight

Type : \_\_\_\_\_

 Have questions? Call us at (800) 436-7800

## WIND SPEED

### EPA Information

All LSI Industries' poles are guaranteed to meet the EPA requirements listed. LSI Industries is not responsible if a pole order has a lower EPA rating than the indicated wind-loading zone where the pole will be located.

CAUTION: This guarantee does not apply if the pole/bracket/fixture combination is used to support any other items such as flags, pennants, or signs, which would add stress to the pole. LSI Industries cannot accept responsibility for harm or damage caused in these situations.

NOTE: Pole calculations include a 1.3 gust factor over steady wind velocity. Example: poles designed to withstand 80 MPH steady wind will withstand gusts to 104 MPH. EPAs are for locations 100 miles away from hurricane ocean lines. Consult LSI for other areas. Note: Hurricane ocean lines are the Atlantic and Gulf of Mexico coastal areas. For applications in Florida or Canada, consult factory.

POLE <sup>1</sup>	Mtg. Height Length (ft)	Wall Thick (ga)	BOLT CIRCLE			EPA								
			Designator	Dia. (in)	Anchor bolt Dia {in}	110 MPH	115 MPH	120 MPH	130 MPH	140 MPH	150 MPH	160 MPH	170 MPH	180 MPH
4" x 11-ga x 12'	12	11	B	8" - 11"	0.75	13.9	12.5	11.3	9.2	7.6	6.3	5.2	4.3	3.6
4" x 11-ga x 14'	14	11	B	8" - 11"	0.75	10.7	9.5	8.5	6.8	5.4	4.4	3.5	2.7	2.1
4" x 11-ga x 16'	16	11	B	8" - 11"	0.75	8.2	7.2	6.4	4.9	3.8	2.9	2.1	1.5	1.0
4" x 11-ga x 18'	18	11	B	8" - 11"	0.75	6.3	5.4	4.7	3.4	2.4	1.6	1.0	0.4	n/a
4" x 11-ga x 20'	20	11	B	8" - 11"	0.75	4.6	3.9	3.2	2.1	1.2	0.6	n/a	n/a	n/a
4" x 11-ga x 22'	22	11	B	8" - 11"	0.75	7.6	6.6	5.7	4.2	3.0	2.0	1.2	0.5	n/a
4" x 11-ga x 24'	24	11	B	8" - 11"	0.75	6.0	5.1	4.3	2.9	1.8	0.9	n/a	n/a	n/a
4" x 11-ga x 26'	26	11	B	8" - 11"	0.75	4.6	3.7	3.0	1.7	0.7	n/a	n/a	n/a	n/a
4" x 7-ga x 14'	14	7	B	8" - 11"	0.75	18.3	16.4	14.9	12.2	10.2	8.5	7.1	5.9	5.0
4" x 7-ga x 16'	16	7	B	8" - 11"	0.75	14.7	13.2	11.8	9.6	7.8	6.3	5.2	4.2	3.4
4" x 7-ga x 18'	18	7	B	8" - 11"	0.75	11.9	10.5	9.3	7.4	5.9	4.6	3.6	2.8	2.1
4" x 7-ga x 20'	20	7	B	8" - 11"	0.75	9.6	8.4	7.4	5.7	4.3	3.2	2.3	1.6	0.9
4" x 7-ga x 22'	22	7	B	8" - 11"	0.75	7.7	6.6	5.7	4.2	3.0	2.0	1.2	0.5	n/a
4" x 7-ga x 24'	24	7	B	8" - 11"	0.75	6.0	5.1	4.3	2.9	1.8	0.9	n/a	n/a	n/a
4" x 7-ga x 26'	26	7	B	8" - 11"	0.75	4.6	3.7	3.0	1.7	0.7	n/a	n/a	n/a	n/a
4" x 7-ga x 28' <sup>2</sup>	28	7	B	8" - 11"	0.75	3.3	2.5	1.8	0.7	n/a	n/a	n/a	n/a	n/a
4" x 7-ga x 30' <sup>2</sup>	30	7	B	8" - 11"	0.75	2.2	1.4	0.8	n/a	n/a	n/a	n/a	n/a	n/a
5" x 11-ga x 14'	14	11	C	9" - 11"	0.75	17.4	15.7	14.1	11.5	9.3	7.7	6.3	5.2	4.2
5" x 11-ga x 16'	16	11	C	9" - 11"	0.75	13.8	12.3	10.9	8.7	6.9	5.5	4.3	3.3	2.5
5" x 11-ga x 18'	18	11	C	9" - 11"	0.75	10.8	9.6	8.4	6.5	4.9	3.7	2.6	1.8	1.1
5" x 11-ga x 20'	20	11	C	9" - 11"	0.75	8.5	7.3	6.3	4.6	3.2	2.1	1.2	0.5	n/a
5" x 11-ga x 22'	22	11	C	9" - 11"	0.75	10.9	9.5	8.3	6.2	4.5	3.2	2.1	1.2	0.5
5" x 11-ga x 24'	24	11	C	9" - 11"	0.75	8.8	7.5	6.4	4.5	3.0	1.8	0.8	n/a	n/a
5" x 11-ga x 26'	26	11	C	9" - 11"	0.75	6.8	5.7	4.6	3.0	1.6	0.6	n/a	n/a	n/a
5" x 11-ga x 28'	28	11	C	9" - 11"	0.75	5.2	4.1	3.2	1.6	0.4	n/a	n/a	n/a	n/a
5" x 11-ga x 30'	30	11	C	9" - 11"	0.75	3.6	2.7	1.8	0.4	n/a	n/a	n/a	n/a	n/a
5" x 7-ga x 20'	20	7	D	9" - 11"	1.00	21.6	19.3	17.3	14.0	11.3	9.2	7.4	6.0	4.8
5" x 7-ga x 22'	22	7	D	9" - 11"	1.00	20.7	18.6	16.6	13.3	10.7	8.5	6.8	5.4	4.2
5" x 7-ga x 24'	24	7	D	9" - 11"	1.00	17.7	15.6	13.8	10.8	8.5	6.6	5.0	3.7	2.6
5" x 7-ga x 26'	26	7	D	9" - 11"	1.00	14.9	13.1	11.4	8.8	6.6	4.9	3.5	2.3	1.3
5" x 7-ga x 28'	28	7	D	9" - 11"	1.00	12.5	10.9	9.4	6.9	4.9	3.4	2.1	1.0	n/a
5" x 7-ga x 30'	30	7	D	9" - 11"	1.00	10.3	8.9	7.5	5.2	3.4	2.0	0.8	n/a	n/a
5" x 7-ga x 35'	35	7	D	9" - 11"	1.00	6.0	4.8	3.6	1.8	n/a	n/a	n/a	n/a	n/a
6" x 7-ga x 24'	24	7	J	12"	1.00	18.6	16.4	14.3	11.2	8.6	6.5	4.8	3.4	2.2
6" x 7-ga x 26'	26	7	J	12"	1.00	15.6	13.4	11.7	8.8	6.5	4.6	3.0	1.8	0.7
6" x 7-ga x 28'	28	7	J	12"	1.00	12.9	10.9	9.3	6.7	4.6	2.8	1.5	n/a	n/a
6" x 7-ga x 30'	30	7	J	12"	1.00	10.4	8.8	7.3	4.8	2.9	1.3	n/a	n/a	n/a
6" x 7-ga x 32'	32	7	J	12"	1.00	8.3	6.8	5.5	3.1	1.3	n/a	n/a	n/a	n/a
6" x 7-ga x 34'	34	7	J	12"	1.00	6.5	5.0	3.7	1.6	n/a	n/a	n/a	n/a	n/a
6" x 7-ga x 35'	35	7	J	12"	1.00	5.5	4.2	2.9	0.9	n/a	n/a	n/a	n/a	n/a
6" x 7-ga x 39'	39	7	J	12"	1.00	2.3	1.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a



# Steel Poles Square Straight

Type : \_\_\_\_\_

 Have questions? Call us at (800) 436-7800

## WIND SPEED

POLE <sup>1</sup>	Mtg. Height Length (ft)	Wall Thick (ga)	BOLT CIRCLE			EPA								
			Designator	Dia. (in)	Anchor Bolt Dia (in)	110 MPH	115 MPH	120 MPH	130 MPH	140 MPH	150 MPH	160 MPH	170 MPH	180 MPH
5" x 11-ga x 14'	14	11	F	11"	0.75	17.6	15.8	14.2	11.5	9.4	7.7	6.3	5.2	4.3
5" x 11-ga x 14'	14	11	F	13"	0.75	17.6	15.8	14.2	11.5	9.4	7.7	6.3	5.2	4.3
5" x 11-ga x 16'	16	11	F	11"	0.75	13.9	12.2	11.0	8.8	7.0	5.5	4.3	3.4	2.5
5" x 11-ga x 16'	16	11	F	13"	0.75	13.9	12.2	11.0	8.8	7.0	5.5	4.3	3.4	2.5
5" x 11-ga x 18'	18	11	F	11"	0.75	11.0	9.6	8.4	6.5	5.0	3.7	2.7	1.8	1.1
5" x 11-ga x 18'	18	11	F	13"	0.75	11.0	9.6	8.4	6.5	5.0	3.7	2.7	1.8	1.1
5" x 11-ga x 20'	20	11	F	11"	0.75	8.6	7.4	6.4	4.6	3.3	2.2	1.3	0.5	-
5" x 11-ga x 20'	20	11	F	13"	0.75	8.6	7.4	6.4	4.6	3.3	2.2	1.3	0.5	-
5" x 11-ga x 22'	22	11	F	11"	0.75	12.7	11.1	9.6	7.4	5.6	4.1	3.0	2.0	1.1
5" x 11-ga x 22'	22	11	F	12"	0.75	10.3	8.9	7.7	5.7	4.1	2.8	1.8	0.9	-
5" x 11-ga x 22'	22	11	F	13"	0.75	8.6	7.4	6.4	4.6	3.1	2.0	1.1	-	-
5" x 11-ga x 24'	24	11	F	11"	0.75	10.2	8.9	7.6	5.6	4.0	2.6	1.6	0.7	-
5" x 11-ga x 24'	24	11	F	12"	0.75	8.0	6.9	5.8	4.0	2.6	1.5	0.5	-	-
5" x 11-ga x 24'	24	11	F	13"	0.75	6.7	5.5	4.6	3.0	1.7	0.7	-	-	-
5" x 11-ga x 26'	26	11	F	11"	0.75	8.1	6.9	5.8	4.0	2.5	1.3	-	-	-
5" x 11-ga x 26'	26	11	F	12"	0.75	6.2	5.1	4.1	2.6	1.3	-	-	-	-
5" x 11-ga x 26'	26	11	F	13"	0.75	5.0	4.0	3.1	1.6	0.5	-	-	-	-
5" x 11-ga x 28'	28	11	F	11"	0.75	6.3	5.2	4.3	2.5	1.1	-	-	-	-
5" x 11-ga x 28'	28	11	F	12"	0.75	4.6	3.6	2.7	1.2	-	-	-	-	-
5" x 11-ga x 28'	28	11	F	13"	0.75	3.4	2.5	1.7	-	-	-	-	-	-
5" x 11-ga x 30'	30	11	F	11"	0.75	4.7	3.7	2.8	1.2	-	-	-	-	-
5" x 11-ga x 30'	30	11	F	12"	0.75	3.1	2.2	1.4	-	-	-	-	-	-
5" x 11-ga x 30'	30	11	F	13"	0.75	2.0	1.2	0.5	-	-	-	-	-	-
5" x 7-ga x 20'	20	7	G	11"	0.75	19.0	17.0	15.0	12.2	9.7	7.8	6.2	5.0	3.8
5" x 7-ga x 20'	20	7	G	12"	0.75	21.4	19.1	17.1	13.8	11.2	9.1	7.3	5.9	4.7
5" x 7-ga x 20'	20	7	G	13"	0.75	21.4	19.2	17.2	13.9	11.3	9.2	7.4	6.0	4.8
5" x 7-ga x 20'	20	7	G	11"	1	21.7	19.4	17.4	14.0	11.4	9.3	7.5	6.0	4.8
5" x 7-ga x 20'	20	7	G	13"	1	21.7	19.4	17.4	14.0	11.4	9.3	7.5	6.0	4.8
5" x 7-ga x 22'	22	7	G	11"	0.75	16.0	14.1	12.5	9.8	7.6	5.9	4.4	3.3	2.3
5" x 7-ga x 22'	22	7	G	12"	0.75	17.7	15.9	14.2	11.2	8.7	7.0	5.4	4.1	3.0
5" x 7-ga x 22'	22	7	G	13"	0.75	19.9	17.3	15.6	12.6	10.0	8.0	6.3	5.0	3.8
5" x 7-ga x 22'	22	7	G	11"	1	21.0	18.7	16.7	13.4	10.6	8.5	6.8	5.4	4.2
5" x 7-ga x 22'	22	7	G	12"	1	23.4	20.6	18.4	15.0	12.2	9.9	8.0	6.4	5.1
5" x 7-ga x 22'	22	7	G	13"	1	21.3	18.8	17.0	13.7	11.0	8.8	7.0	5.6	4.3
5" x 7-ga x 24'	24	7	G	11"	0.75	13.3	11.6	10.0	7.7	5.7	4.2	2.9	1.9	1.0
5" x 7-ga x 24'	24	7	G	12"	0.75	15.0	13.0	11.6	8.9	6.8	5.1	3.8	2.6	1.7
5" x 7-ga x 24'	24	7	G	13"	0.75	16.6	14.6	12.9	10.2	8.0	6.1	4.6	3.3	2.3
5" x 7-ga x 24'	24	7	G	11"	1	17.5	15.7	13.9	10.9	8.6	6.7	5.0	3.7	2.7
5" x 7-ga x 24'	24	7	G	12"	1	20.0	17.4	15.4	12.3	9.9	7.8	6.0	4.7	3.5
5" x 7-ga x 24'	24	7	G	13"	1	18.1	16.0	14.2	11.0	8.7	6.7	5.3	3.9	2.8
5" x 7-ga x 26'	26	7	G	11"	0.75	10.9	9.3	8.0	5.9	4.1	2.7	1.6	0.6	-
5" x 7-ga x 26'	26	7	G	12"	0.75	12.4	10.9	9.5	7.0	5.1	3.6	2.3	1.3	-
5" x 7-ga x 26'	26	7	G	13"	0.75	14.0	12.3	10.7	8.1	6.0	4.4	3.1	2.0	1.0
5" x 7-ga x 26'	26	7	G	11"	1	15.0	13.2	11.5	8.8	6.7	4.9	3.5	2.3	1.3



# Steel Poles Square Straight

Type: \_\_\_\_\_

 Have questions? Call us at (800) 436-7800

## WIND SPEED

POLE <sup>1</sup>	Mtg. Height Length (ft)	Wall Thick (ga)	BOLT CIRCLE			EPA								
			Designator	Dia. (in)	Anchor Bolt Dia (in)	110 MPH	115 MPH	120 MPH	130 MPH	140 MPH	150 MPH	160 MPH	170 MPH	180 MPH
5" x 7-ga x 26'	26	7	G	12"	1	17.0	14.8	13.0	10.2	7.9	6.0	4.4	3.1	2.1
5" x 7-ga x 26'	26	7	G	13"	1	15.3	13.5	11.8	9.0	6.8	5.0	3.6	2.5	1.4
5" x 7-ga x 28'	28	7	G	11"	0.75	8.9	7.4	6.3	4.3	2.7	1.4	-	-	-
5" x 7-ga x 28'	28	7	G	12"	0.75	10.2	8.8	7.5	5.3	3.5	2.1	1.0	-	-
5" x 7-ga x 28'	28	7	G	13"	0.75	11.8	10.2	8.8	6.4	4.5	3.0	1.7	0.7	-
5" x 7-ga x 28'	28	7	G	11"	1	12.5	10.9	9.5	7.0	5.0	3.3	2.1	1.0	-
5" x 7-ga x 28'	28	7	G	12"	1	14.2	12.4	11.0	8.2	6.0	4.3	3.0	1.7	0.8
5" x 7-ga x 28'	28	7	G	13"	1	12.9	11.0	9.7	7.2	5.2	3.6	2.2	1.1	-
5" x 7-ga x 30'	30	7	G	11"	0.75	7.0	5.8	4.7	2.8	1.3	-	-	-	-
5" x 7-ga x 30'	30	7	G	12"	0.75	8.4	7.0	5.8	3.8	2.2	0.9	-	-	-
5" x 7-ga x 30'	30	7	G	13"	0.75	9.7	8.2	7.0	4.8	3.0	1.6	0.5	-	-
5" x 7-ga x 30'	30	7	G	11"	1	10.4	8.8	7.6	5.3	3.4	2.0	0.8	-	-
5" x 7-ga x 30'	30	7	G	12"	1	12.0	10.3	9.0	6.4	4.4	2.9	1.6	0.5	-
5" x 7-ga x 30'	30	7	G	13"	1	10.6	9.1	7.7	5.5	3.6	2.1	1.0	-	-
5" x 7-ga x 35'	35	7	G	11"	0.75	3.2	2.2	1.2	-	-	-	-	-	-
5" x 7-ga x 35'	35	7	G	12"	0.75	4.4	3.2	2.2	0.5	-	-	-	-	-
5" x 7-ga x 35'	35	7	G	13"	0.75	5.5	4.2	3.1	1.3	-	-	-	-	-
5" x 7-ga x 35'	35	7	G	11"	1	6.0	4.8	3.6	1.8	-	-	-	-	-
5" x 7-ga x 35'	35	7	G	12"	1	7.3	6.0	4.8	2.7	1.1	-	-	-	-
5" x 7-ga x 35'	35	7	G	13"	1	6.3	5.0	3.8	1.9	-	-	-	-	-
6" x 7-ga x 24'	24	7	H	11"	1	16.5	14.4	12.6	9.6	7.2	5.3	3.8	2.5	1.4
6" x 7-ga x 24'	24	7	H	12-1/2"	1	19.8	17.5	15.4	12.0	9.2	7.0	5.3	3.8	2.7
6" x 7-ga x 24'	24	7	H	14"	1	23.0	20.5	18.0	14.3	11.2	8.9	6.9	5.3	3.8
6" x 7-ga x 26'	26	7	H	11"	1	13.7	11.8	10.2	7.5	5.3	3.6	2.1	1.0	-
6" x 7-ga x 26'	26	7	H	12-1/2"	1	16.5	14.6	12.6	9.6	7.0	5.2	3.6	2.2	1.1
6" x 7-ga x 26'	26	7	H	14"	1	19.6	17.3	15.2	11.7	8.9	6.7	5.0	3.5	2.2
6" x 7-ga x 28'	28	7	H	11"	1	11.0	9.3	7.8	5.5	3.5	1.9	0.6	-	-
6" x 7-ga x 28'	28	7	H	12-1/2"	1	13.8	12.0	10.2	7.5	5.2	3.4	1.9	0.7	-
6" x 7-ga x 28'	28	7	H	14"	1	16.4	14.5	12.5	9.4	6.9	4.7	3.2	1.8	0.7
6" x 7-ga x 30'	30	7	H	11"	1	9.0	7.3	6.0	3.6	1.9	0.5	-	-	-
6" x 7-ga x 30'	30	7	H	12-1/2"	1	11.4	9.6	8.0	5.5	3.4	1.7	-	-	-
6" x 7-ga x 30'	30	7	H	14"	1	14.0	12.0	10.0	7.2	5.0	3.2	1.6	-	-
6" x 7-ga x 32'	32	7	H	11"	1	7.0	5.5	4.2	2.0	-	-	-	-	-
6" x 7-ga x 32'	32	7	H	12-1/2"	1	9.2	7.6	6.0	3.8	1.8	-	-	-	-
6" x 7-ga x 32'	32	7	H	14"	1	11.4	9.7	8.0	5.4	3.2	1.6	-	-	-
6" x 7-ga x 34'	34	7	H	11"	1	5.1	3.7	2.5	0.6	-	-	-	-	-
6" x 7-ga x 34'	34	7	H	12-1/2"	1	7.2	5.6	4.4	2.2	-	-	-	-	-
6" x 7-ga x 34'	34	7	H	14"	1	9.3	7.6	6.2	3.6	1.7	-	-	-	-
6" x 7-ga x 35'	35	7	H	11"	1	4.2	3.0	1.8	-	-	-	-	-	-
6" x 7-ga x 35'	35	7	H	12-1/2"	1	6.2	4.8	3.6	1.4	-	-	-	-	-
6" x 7-ga x 35'	35	7	H	14"	1	8.2	6.6	5.2	2.9	1.0	-	-	-	-
6" x 7-ga x 39'	39	7	H	11"	1	1.0	-	-	-	-	-	-	-	-
6" x 7-ga x 39'	39	7	H	12-1/2"	1	3.0	1.6	0.5	-	-	-	-	-	-
6" x 7-ga x 39'	39	7	H	14"	1	4.6	3.3	2.0	-	-	-	-	-	-





Catalog #: \_\_\_\_\_

Project: \_\_\_\_\_

Prepared By: \_\_\_\_\_

Date: \_\_\_\_\_

# Mirada Small Area (MRS)

## Outdoor LED Area Light



IP66 IK08



### OVERVIEW

Lumen Package	6,000 - 24,000
Wattage Range	39-196
Efficacy Range (LPW)	112-158
Fixture Weight lbs (kg)	20 (9.1)

### QUICK LINKS

[Ordering Guide](#)[Performance](#)[Photometrics](#)[Dimensions](#)

## FEATURES & SPECIFICATIONS

### Construction

- Rugged die-cast aluminum housing contains factory prewired driver and optical unit. Cast aluminum wiring access door located underneath.
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Shipping weight: 27 lbs in carton.

### Optical System

- State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP66 rated seal.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in distribution types 2, 3, 5W, and FT.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93%.
- Zero uplight.
- Available in 5000K, 4000K, and 3000K color temperatures per ANSI C78.377
- Minimum CRI of 70.
- Integral louver (IL) and integral half louver (IH) options available for enhanced backlight control.

### Electrical

- High-performance driver features over-voltage, under-voltage, short-circuit and over temperature protection.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 VAC) Input 50/60 Hz or optional High Voltage (347-480 VAC).
- L70 Calculated Life: >60k Hours
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +50°C (-40°F to +122°F).
- Power factor: >.90
- Input power stays constant over life.
- Field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Driver is fully encased in potting material for moisture resistance and complies with FCC standards. Driver and key electronic components can easily be accessed.

### Controls

- Optional integral passive infrared Bluetooth™ motion and photocell sensor. Fixtures operate independently and can be commissioned via iOS or Android configuration app.
- LSI's AirLink™ wireless control system options reduce energy and maintenance costs while optimizing light quality 24/7.

### Installation

- Designed to mount to square or round poles.
- A single fastener secures the hinged door, underneath the housing and provides quick & easy access to the electrical compartment.
- Included terminal block accepts up to 12 ga. wire.
- Utilizes LSI's traditional B3 drill pattern.

### Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to <https://www.lsicorp.com/resources/terms-conditions-warranty/> for more information.

### Listings

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- IDA compliant; with 3000K color temperature selection.
- Title 24 Compliant; see local ordinance for qualification information.
- Suitable for wet locations.
- IP66 rated Luminaire per IEC 60598-1.
- 3G rated for ANSI C136.31 high vibration applications are qualified.
- IK08 rated luminaire per IEC 66262 mechanical impact code
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.



## ORDERING GUIDE

[Back to Quick Links](#)

### TYPICAL ORDER EXAMPLE: MRS LED 18L SIL FT UNV DIM 40 70CRI ALBCS1 BLK IH

Prefix	Light Source	Lumen Package	Lens	Distribution	Orientation <sup>2</sup>	Voltage	Driver
MRS - Mirada Small Area Light	LED	6L - 6,000 lms 9L - 9,000 lms 12L - 12,000 lms 15L - 15,000 lms 18L - 18,000 lms 21L - 21,000 lms 24L - 24,000 lms Custom Lumen Packages <sup>1</sup>	SIL - Silicone	2 - Type 2 3 - Type 3 5W - Type 5 Wide FT - Forward Throw	(blank) - standard L - Optics rotated left 90° R - Optics rotated right 90°	UNV - Universal Voltage (120-277V) HV - High Voltage (347-480V)	DIM - 0-10V Dimming (0-10%)

Color Temp	Color Rendering	Controls (Choose One)	Finish	Options
50 - 5,000 CCT 40 - 4,000 CCT 30 - 3,000 CCT	70CRI - 70 CRI	(Blank) - None  <b>Wireless Controls System</b> ALSC - AirLink Synapse Control System ALSCS2 - AirLink Synapse Control System with 12-20' MH Motion Sensor ALSCS4 - AirLink Synapse Control System with 20-40' MH Motion Sensor ALBCS1 - AirLink Blue Wireless Motion & Photo Sensor Controller (8-24' MH) ALBCS2 - AirLink Blue Wireless Motion & Photo Sensor Controller (25-40' MH)  <b>Stand-Alone Controls</b> EXT - 0-10v Dimming leads extended to housing exterior CR7P - 7 Pin Control Receptacle ANSI C136.41 <sup>3</sup> IMSBT1 - Integral Bluetooth™ Motion and Photocell Sensor (8-24' MH) <sup>4</sup> IMSBT2 - Integral Bluetooth™ Motion and Photocell Sensor (25-40' MH) <sup>4</sup>	BLK - Black BRZ - Dark Bronze GMG - Gun Metal Gray GPT - Graphite MSV - Metallic Silver PLP - Platinum Plus SVG - Satin Verde Green WHT - White	(Blank) - None  IH - Integral Half Louver (Moderate Spill Light Cutoff) <sup>2</sup> IL - Integral Louver (Sharp Spill Light Cutoff) <sup>2</sup>



**Need more information?**  
Click here for our glossary

**Have additional questions?**  
Call us at (800) 436-7800



## Accessory Ordering Information<sup>5</sup>

CONTROLS ACCESSORIES	
Description	Order Number
Twist Lock Photocell (120V) for use with CR7P	122514
Twist Lock Photocell (208-277) for use with CR7P	122515
Twist Lock Photocell (347V) for use with CR7P	122516
Twist Lock Photocell (480V) for use with CR7P	1225180
AirLink 5 Pin Twist Lock Controller	661409
AirLink 7 Pin Twist Lock Controller	661410
Shorting Cap for use with CR7P	149328

FUSING OPTIONS <sup>7</sup>	
Description	Order Number
Single Fusing (120V)	<a href="#">See Fusing Accessory Guide</a>
Single Fusing (277V)	
Double Fusing (208V, 240V)	
Double Fusing (480V)	
Double Fusing (347V)	

SHIELDING OPTIONS	
Description	Order Number
Mirada Small	<a href="#">See Shielding Guide</a>
Mirada Medium	
Mirada Large	
Zone Medium	
Zone Large	
Slice Medium	

- Custom lumen and wattage packages available, consult factory. Values are within industry standard tolerances but not DLC listed.
- Not available on "Type 5W" distribution.
- Control device or shorting cap must be ordered separately. See Accessory Ordering Information.
- IMSBT is field configurable via the LSI app that can be downloaded from your smartphone's native app store.
- Accessories are shipped separately and field installed.
- "CLR" denotes finish. See Finish options.
- Fusing must be located in hand hole of pole. See [Fusing Accessory Guide](#) for compatibility.

## ACCESSORIES

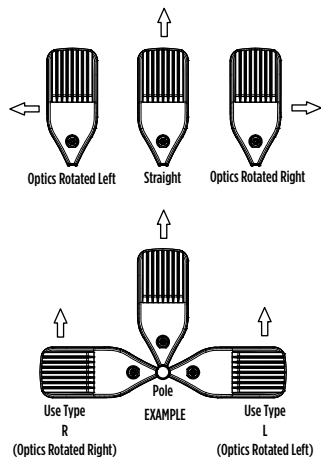
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MOUNTING ACCESSORIES		SHIELDING, POLES & MISC. ACCESSORIES		
Side Arm	<b>Universal Mounting Bracket</b> Mounts to $\geq 3"$ square or round (tapered/straight) poles with (2) mounting hole spaces between 3.5" to 5"  <b>Part Number: BKA UMB CLR</b>		<b>Integral Louver</b> Field Install Integral Louver provides maximum backlight control by shielding each individual row of LEDs  <b>Part Number: 686485</b>	
	<b>Quick Mount Plate</b> True one person installation to existing/new construction poles with hole spaces between 2.4 to 4.6"  <b>Part Number: BKS POM B3B5 XX CLR</b>		<b>Integral Half Louver</b> Field Install Integral Half Louver provides great backlight control without impacting front side distribution.  <b>Part Number: 743416</b>	
	<b>15° Tilt Quick Mount Plate</b> True one person installation to existing/new construction poles with hole spaces between 2.4 to 4.6"  <b>Part Number: BKS PQ15 B3B5 XX CLR</b>		<b>External Shield</b> External shield blocks view of light source from anyside of luminaire, additional shielding configurations available  <b>Part Number: 783607BLK (3") / 776538BLK (6")</b>	
Tenon / Slipfitter	<b>Adjustable Slipfitter</b> Mounts onto a 2" (51mm) IP, 2.375" (60mm) O.D. tenon and provides 180° of tilt (max 45° above horizontal)  <b>Part Number: BKA ASF CLR</b>		<b>Square Poles</b> 14 - 39' steel and aluminum poles in 4", 5" and 6" sizes for retrofit and new construction  <b>Part Number: 45Q/55Q/65Q</b>	
	<b>Square Tenon Top</b> Mounts onto a 2" (51mm) IP, 2.375" (60mm) O.D. tenon and allows for mounting up to 4 luminaires  <b>Part Number: BKA XNM *</b>			
	<b>Square Internal Slipfitter</b> Mounts inside 4" or 5" square pole and allows for mounting up to 4 luminaires  <b>Part Number: BKA X_ISF * CLR</b>			
Wall Mount / Wood Pole	<b>Wall Mount Bracket</b> Mounts onto vertical wall surface ( hardware/anchors not included)  <b>Part Number: BKS XBO WM CLR</b>		<b>Round Poles</b> 10 - 30' steel and aluminum poles in 4" and 5" sizes for retrofit and new construction  <b>Part Number: 4RP/5RP</b>	
	<b>Wood Pole Bracket</b> Mounts onto wooden poles (6" minimum OD, hardware/anchors not included)  <b>Part Number: BKS XBO WP CLR</b>			
			<b>Tapered Poles</b> 20' - 39' steel and aluminum poles for retrofit and new construction  <b>Part Number: RTP</b>	
			<b>Bird Spikes</b> 10' Linear Bird Spike Kit, 4' recommended per luminaire, includes silicone adhesive and application tool  <b>Part Number: 736795</b>	

Replace CLR with paint finish description  
 Replace XX with SQ for square pole or RD for round pole ( $\geq 3"$  OD)  
 Replace \* with S (Single), D180 (Double @180°), D90 (Double @90°), T90 (Triple), Q90 (Quad)  
 Replace \_ with 4 (4" square pole) or 5 (5" square pole)

## OPTICS ROTATION

Top View



## ACCESSORIES/OPTIONS

### Integral Louver (IL) and House-Side Shield (IH)

Integral louver (IL) and half louver (IH) accessory shields available for improved backlight control without sacrificing street side performance. LSI's Integral Louver (IL) and Integral House-Side Shield (IH) options deliver backlight control that significantly reduces spill light behind the poles for applications with pole locations close to adjacent properties. The design maximizes forward reflected light while reducing glare, maintaining the optical distribution selected, and most importantly eliminating light trespass. Both options rotate with the optical distribution.

Luminaire Shown with Integral Louver (IL)



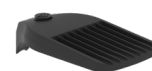
Luminaire Shown with IMSBT Option



### 7 Pin Photoelectric Control

7-pin ANSI C136.41-2013 control receptacle option available for twist lock photocontrols or wireless control modules. Control accessories sold separately. Dimming leads from the receptacle will be connected to the driver dimming leads (Consult factory for alternate wiring).

Luminaire Shown with CR7P





# Mirada Small Area Light (MRS)

Type: \_\_\_\_\_

 Have questions? Call us at (800) 436-7800

## PERFORMANCE

[Back to Quick Links](#)

DELIVERED LUMENS*												
Lumen Package	Distribution	CRI	3000K CCT			4000K CCT			5000K CCT			Wattage
			Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	
6L	2	70	5918	149	B2-U0-G1	6136	155	B2-U0-G1	6122	155	B2-U0-G1	39
	3		6016	152	B1-U0-G2	6238	158	B1-U0-G2	6224	157	B1-U0-G2	
	5W		5690	144	B3-U0-G1	5899	149	B3-U0-G1	5886	149	B3-U0-G1	
	FT		5822	147	B1-U0-G1	6037	152	B1-U0-G1	6023	152	B1-U0-G1	
9L	2	70	9091	145	B2-U0-G2	9484	152	B2-U0-G2	9462	151	B2-U0-G2	63
	3		9241	148	B2-U0-G2	9641	154	B2-U0-G2	9619	154	B2-U0-G2	
	5W		8740	140	B3-U0-G2	9,118	146	B3-U0-G2	9097	144	B3-U0-G2	
	FT		8943	143	B2-U0-G2	9330	149	B2-U0-G2	9308	149	B2-U0-G2	
12L	2	70	12132	141	B3-U0-G2	12685	148	B3-U0-G2	12514	146	B3-U0-G2	86
	3		12333	143	B2-U0-G2	12894	150	B2-U0-G2	12721	148	B2-U0-G2	
	5W		11664	136	B4-U0-G2	12195	142	B4-U0-G2	12031	140	B4-U0-G2	
	FT		11935	139	B2-U0-G2	12479	145	B2-U0-G2	12311	143	B2-U0-G2	
15L	2	70	14220	128	B3-U0-G2	15167	137	B3-U0-G2	14488	131	B3-U0-G2	111
	3		14938	135	B2-U0-G2	15933	144	B2-U0-G2	15219	137	B2-U0-G2	
	5W		14304	129	B4-U0-G2	15257	137	B4-U0-G2	14574	131	B4-U0-G2	
	FT		14342	129	B2-U0-G2	15297	138	B2-U0-G2	14612	132	B2-U0-G2	
18L	2	70	16438	122	B3-U0-G3	17532	130	B3-U0-G3	16747	124	B3-U0-G3	135
	3		17267	128	B3-U0-G3	18417	137	B3-U0-G3	17592	131	B3-U0-G3	
	5W		16535	123	B4-U0-G2	17636	133	B5-U0-G3	16846	125	B4-U0-G2	
	FT		16578	123	B3-U0-G3	17682	131	B3-U0-G3	16890	125	B3-U0-G3	
21L	2	70	19488	118	B3-U0-G3	20786	126	B3-U0-G3	19885	120	B3-U0-G3	165
	3		20472	124	B3-U0-G3	21835	132	B3-U0-G3	20857	126	B3-U0-G3	
	5W		19604	119	B5-U0-G3	20,909	126	B5-U0-G3	19973	121	B5-U0-G3	
	FT		19655	119	B3-U0-G3	20964	127	B3-U0-G3	20025	121	B3-U0-G3	
24L	2	70	21976	112	B3-U0-G3	23439	120	B3-U0-G3	22390	114	B3-U0-G3	196
	3		23085	118	B3-U0-G3	24622	126	B3-U0-G3	23519	120	B3-U0-G3	
	5W		22105	113	B5-U0-G3	23578	120	B5-U0-G3	22522	115	B5-U0-G3	
	FT		22164	113	B3-U0-G3	23640	121	B3-U0-G3	22581	115	B3-U0-G3	

\*LEDs are frequently updated therefore values are nominal.

ELECTRICAL DATA (AMPS)*						
Lumens	120V	208V	240V	277V	347V	480V
6L	0.34	0.20	0.17	0.15	0.12	0.09
9L	0.52	0.30	0.26	0.23	0.18	0.13
12L	0.72	0.41	0.36	0.31	0.25	0.18
15L	0.93	0.53	0.46	0.40	0.32	0.23
18L	1.12	0.65	0.56	0.49	0.39	0.28
21L	1.38	0.80	0.69	0.60	0.48	0.34
24L	1.63	0.94	0.82	0.71	0.56	0.41

\*Electrical data at 25°C (77°F). Actual wattage may differ by +/-10%

RECOMMENDED LUMEN MAINTENANCE <sup>1</sup>					
Ambient Temp	Lumen Multiplier				
	0 hrs. <sup>2</sup>	25K hrs. <sup>2</sup>	50K hrs. <sup>2</sup>	75K hrs. <sup>3</sup>	100K hrs. <sup>3</sup>
0 C - 25 C	100%	95%	89%	84%	79%
40 C	100%	94%	87%	80%	74%

- Lumen maintenance values at 25°C are calculated per TM-21 based on LM-80 data and in-situ luminaire testing.
- In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip).
- In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times NA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip).

# Mirada Small Area Light (MRS)

Type: \_\_\_\_\_

 Have questions? Call us at (800) 436-7800

## PHOTOMETRICS

[Back to Quick Links](#)

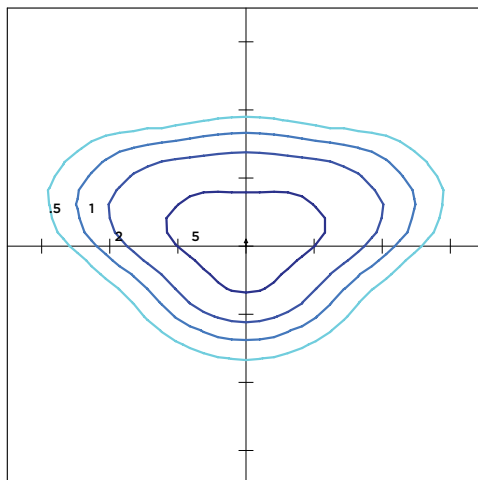
Luminaire photometry has been conducted by an accredited laboratory in accordance with IESNA LM-79. As specified by IESNA LM-79 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

### MRS-LED-18L-SIL-2-40-70CRI

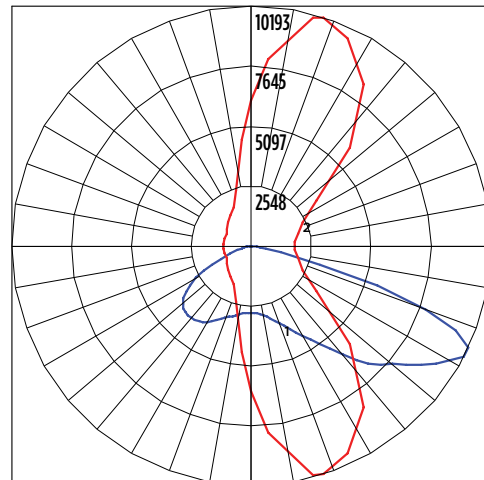
Luminaire Data	
Type 2 Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	17,532
Watts	135
Efficacy	130
IES Type	Type II - Short
BUG Rating	B3-U0-G3

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
Low (0-30)°	2831	16%
Medium (30-60)°	10310	59%
High (60-80)°	4208	24%
Very High (80-90)°	184	1%
Uplight (90-180)°	0	0%
<b>Total Flux</b>	<b>17532</b>	<b>100%</b>

ISO FOOTCANDLE



POLAR CURVE



20' Mounting Height/20' Grid Spacing

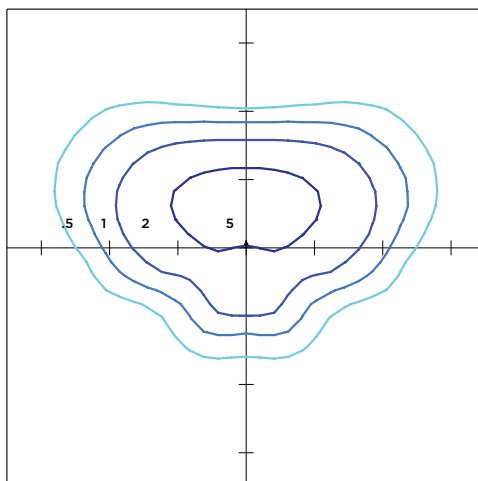
■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC

### MRS-LED-18L-SIL-3-40-70CRI

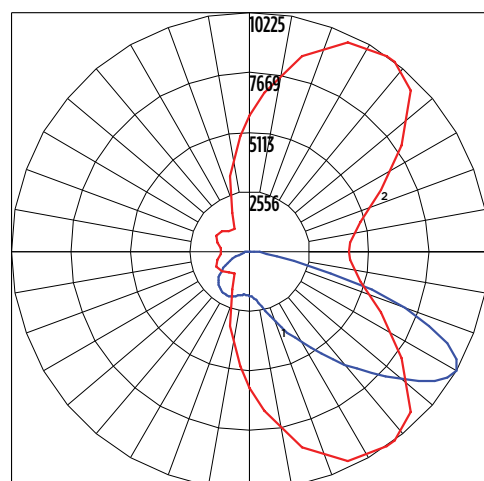
Luminaire Data	
Type 3 Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	18,417
Watts	135
Efficacy	137
IES Type	Type III - Short
BUG Rating	B3-U0-G3

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
Low (0-30)°	2329	13%
Medium (30-60)°	10634	61%
High (60-80)°	5246	30%
Very High (80-90)°	208	1%
Uplight (90-180)°	0	0%
<b>Total Flux</b>	<b>18417</b>	<b>100%</b>

ISO FOOTCANDLE



POLAR CURVE



20' Mounting Height/20' Grid Spacing

■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC



# Mirada Small Area Light (MRS)

Type: \_\_\_\_\_

 Have questions? Call us at (800) 436-7800

## PHOTOMETRICS (CONT)

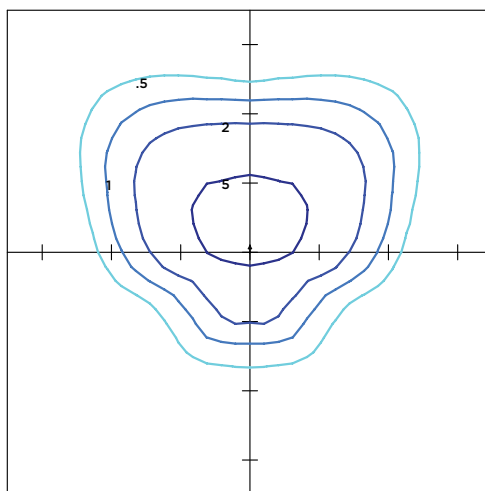
[Back to Quick Links](#)

### MRS-LED-18L-SIL-FT-40-70CRI

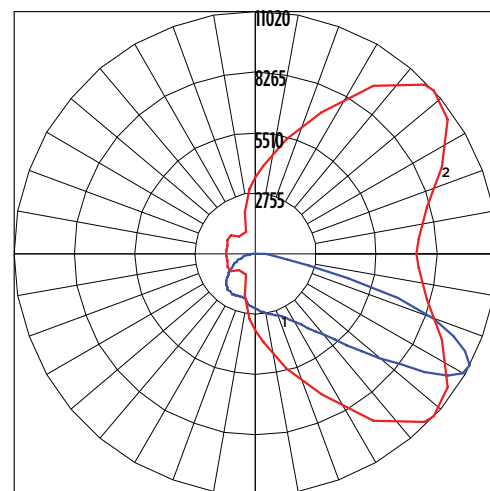
Luminaire Data	
Type FT Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	17,682
Watts	135
Efficacy	131
IES Type	Type III - Short
BUG Rating	B3-U0-G2

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
Low (0-30)°	2255	13%
Medium (30-60)°	9463	54%
High (60-80)°	5696	32%
Very High (80-90)°	268	2%
Uplight (90-180)°	0	0%
<b>Total Flux</b>	<b>17682</b>	<b>100%</b>

ISO FOOTCANDLE



POLAR CURVE



20' Mounting Height/20' Grid Spacing

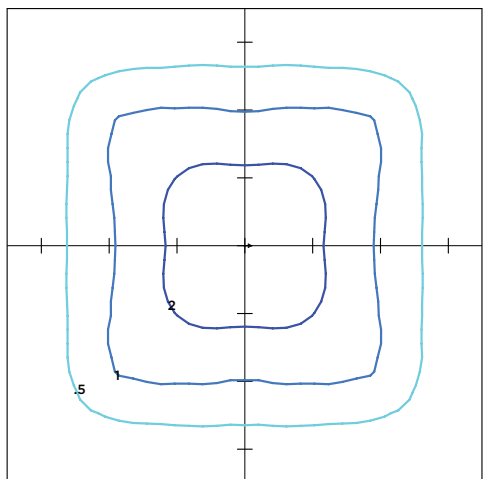
■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC

### MRM-LED-30L-SIL-5W-40-70CRI

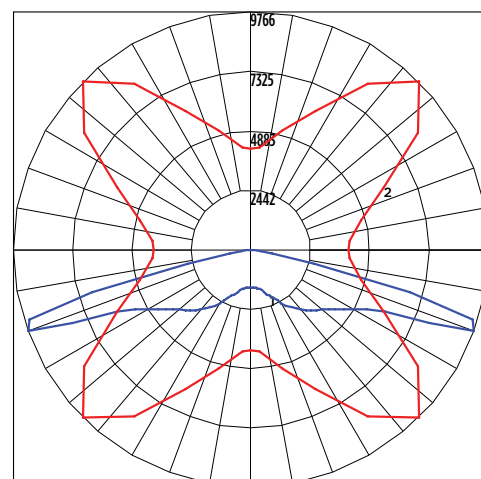
Luminaire Data	
Type 5W Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	17,636
Watts	135
Efficacy	131
IES Type	Type VS - Short
BUG Rating	B4-U0-G2

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
Low (0-30)°	1646	9%
Medium (30-60)°	7453	43%
High (60-80)°	8405	48%
Very High (80-90)°	132	1%
Uplight (90-180)°	0	0%
<b>Total Flux</b>	<b>17636</b>	<b>100%</b>

ISO FOOTCANDLE



POLAR CURVE



20' Mounting Height/20' Grid Spacing

■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC

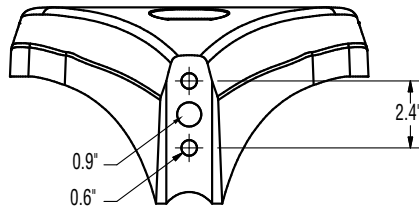
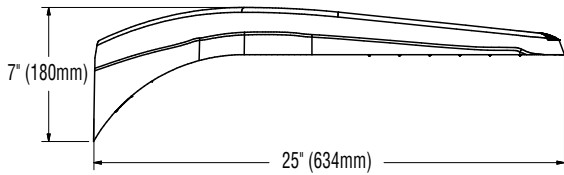
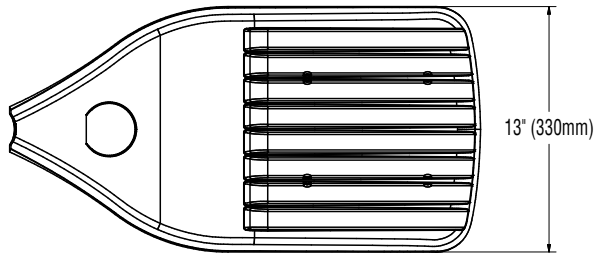
# Mirada Small Area Light (MRS)

Type: \_\_\_\_\_







 Have questions? Call us at (800) 436-7800

## PRODUCT DIMENSIONS

[Back to Quick Links](#)



**B3 Drill Pattern**

LUMINAIRE EPA CHART - MRS									
Tilt Degree		0°	30°	45°	Tilt Degree		0°	30°	45°
	Single	0.5	1.3	1.8		T90°	1.4	2.3	2.6
	D180°	0.9	1.3	1.8		TN120°	1.4	1.9	2.3
	D90°	0.9	1.8	2.2		Q90°	1.4	2.3	2.6

## CONTROLS

### AirLink Wireless Lighting Controller

The AirLink integrated controller is a California Title 24 compliant lighting controller that provides real-time light monitoring and control with utility-grade power monitoring. It includes a 24V sensor input and power supply to connect a sensor into the outdoor AirLink wireless lighting system. The wireless integrated controller is compatible with this fixture.

[Click here to learn more about AirLink.](#)

### Integral Bluetooth™ Motion and Photocell Sensor (IMSBT)

Slim low profile sensor provides multi-level control based on motion and/or daylight. Sensor controls 0-10 VDC LED drivers and is rated for cold and wet locations (-30° C to 70° C). Two unique PIR lenses are available and used based on fixture mounting height. All control parameters are adjustable via an iOS or Android App capable of storing and transmitting sensor profiles.

[Click here to learn more about IMSBT.](#)

### AirLink Blue

Wireless Bluetooth Mesh Outdoor Lighting Control System that provides energy savings, code compliance and enhanced safety/security for parking lots and parking garages. Three key components; Bluetooth wireless radio/sensor controller, Time Keeper and an iOS App. Capable of grouping multiple fixtures and sensors as well as scheduling time-based events by zone. Radio/Sensor Controller is factory integrated into Area/Site, Wall Mounted, Parking Garage and Canopy luminaires.

[Click here to learn more about AirLink Blue.](#)



Landmark  
Weatherwood

Dark Bronze  
Windows and  
Trim

Vinyl Natural  
Clay







Landmark  
Weatherwood

Dark Bronze  
Windows and  
Trim

Vinyl Natural  
Clay

LEFT ELEVATION





Landmark  
Weatherwood

Vinyl Natural  
Clay

REAR ELEVATION

Dark Bronze  
Windows and  
Trim



Landmark  
Weatherwood



Vinyl Natural  
Clay

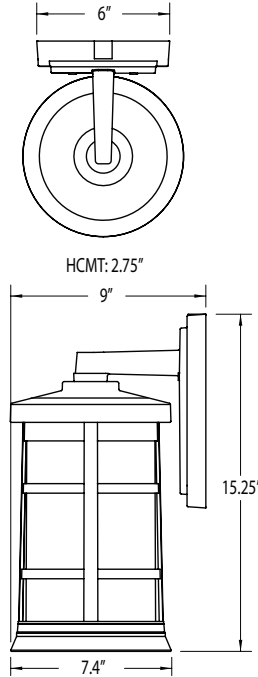
**RIGHT ELEVATION**

Dark Bronze  
Windows and  
Trim



## OUTDOOR WALL FIXTURE S50V

## OUTDOOR DECORATIVE MARLEX®



Wave Lighting's New Artisan Collection adds a stylish look to any outdoor space. Wave Lighting's S50V is designed for wall applications and mounting hardware is included. Options include Photocell.



### LED SOURCE OPTIONS

#### LIGHTWAVE LED - LR/LT

- 120V, 50/60 Hz
- AC Driver-On-Board Array
- Estimated 50,000 Hrs L<sub>70</sub>
- Low Flicker (LT models)
- Surge Supression
- Dimmable (see compatible dimmer list)
- High Efficacy LED Light Source
- 3000K or 4000K CCT 80 or 90CRI
- 5 Year Warranty
- UL Listed & Energy Star

#### E26 MEDIUM BASE - LE26

- 120V, 50/60Hz
- "Screw-In" Medium Base A19/E26 LED Lamp
- Estimated 15,000 Hrs L<sub>70</sub>
- Low Flicker (3K models)
- Dimmable (see compatible dimmer list)
- 3000K CCT 90CRI or 4000K CCT 80CRI
- 3 Year Warranty
- UL Listed & Energy Star

### SPECIFICATIONS

- Black, White, & Bronze
- Composite Construction
- Clear or Frosted Acrylic Diffuser
- Wall Mount Only
- Minimum Starting Temp -20°F
- UL Listed for Wet Locations

BK BLACK WH WHITE BZ BRONZE



GUIDE CODE: S50VF-BK-PC

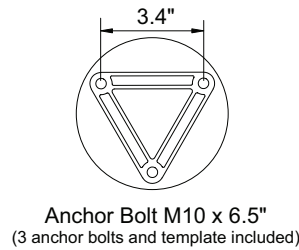
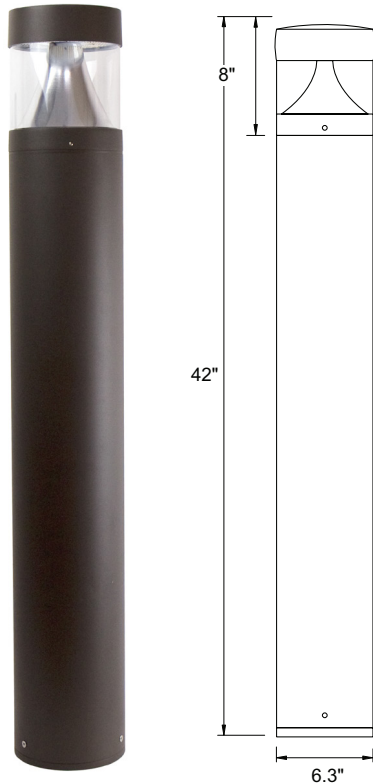
CALL FOR PHOTOMETRIC INFORMATION

ITEM #	DIFFUSER	LIGHT SOURCE	CCT	COLOR	OPTIONS
S50V	ACRYLIC C-Clear F-Frosted	<b>E26 MEDIUM BASE</b>	C-4K W-3K	BK-Black WH-White BZ-Bronze	PC-Photocell
		(1) 60W MAX Medium Base <b>LE26-9.5W 800lm (E26 LED Lamp) + ★</b>			
		<b>120V LIGHTWAVE LED</b>			
		<b>LR12-13W 1000lm 80CRI ★</b> <b>LT12-12W 1040lm 90CRI</b>			

+ Lamp included. ★Energy Star qualified product.

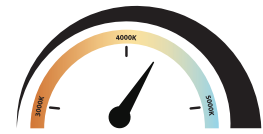
## OUTDOOR BOLLARD C202BC

## COMMERCIAL LIGHTING



Wave Lighting's C202BC Bollard adds a modern look to any pathway. This fixture is available LED and its industrial strength features make it ETL listed and suitable for wet locations. Wave Lighting's C202BC is designed for low mounting in reinforced concrete (by others). Hardware and template are included.

**TUNABLE**  
Color Temperature  
& Lumen Output



SWITCH PANEL  
ON REVERSE SIDE



### SPECIFICATIONS

- Tunable CCT
- Switchable Lumen / Wattage
- Powder Coated Finish
- Aluminum Housing
- Mounting Hardware Included
- Polycarbonate Lens
- Minimum Starting Temp -20°F
- ETL Listed for Wet Locations

BK BLACK

BZ BRONZE



### LED SOURCE OPTIONS

#### LED MULTI-VOLT SYSTEM - L22

- 120-277V, 50/60Hz
- Estimated 50,000 Hrs L<sub>70</sub>
- Surge Supression
- Switchable 3K, 4K, 5K CCT 80CRI
- 0 - 10V Dimming
- 5 Year Warranty

CALL FOR PHOTOMETRIC INFORMATION

GUIDE CODE: C202BC-L22S-BK

ITEM #	LENS	LED LIGHT SOURCE	CCT	COLOR
C202B	POLYCARBONATE C-Clear	<b>120-277V MULTI-VOLT</b>	S-Switchable 3K, 4K & 5K	BK-Black BZ-Bronze
		L22-Switchable 12W, 1600lm; 16W, 2100lm or 22W, 3000lm		