



LEGEND (PROPOSED)

- PROPOSED PROPERTY BOUNDARY
- - - EASEMENT
- ▭ BUILDING FOOTPRINT
- ▭ 18" CURB AND GUTTER
- ▭ ASPHALT PAVEMENT
- ▭ CONCRETE PAVEMENT
- ▭ STORMWATER TREATMENT FACILITY

GENERAL NOTES

- UNDERLYING SITE CONTOURS AND INFORMATION BASED ON TOPOGRAPHIC & UTILITY DATA AS SURVEYED BY WYSER ENGINEERING ON THE WEEK OF AUGUST 8, 2023. WYSER ENGINEERING SHALL NOT BE HELD RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY ARISE AS A RESULT OF ERRONEOUS OR INCOMPLETE INFORMATION PROVIDED BY OTHERS. CONTRACTOR TO CONFIRM ALL ELEVATIONS, GENERAL DRAINAGE AND EARTHWORK REQUIREMENTS PRIOR TO CONSTRUCTION.
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SITE INFORMATION BLOCK:

SITE ADDRESS: 2840 COMMERCE PARK DRIVE
 SITE ACREAGE: 3,577,395 SQ. FT. (81.21 ACRES)
 USE OF PROPERTY: CONFERENCE / EVENT SPACE
 ZONING: GENERAL INDUSTRIAL DISTRICT (I-G)

SETBACKS:
 FRONT YARD: 30- FEET
 REAR YARD: 15- FEET
 SIDE YARD: 10- FEET

TOTAL NUMBER OF PARKING STALLS: 36
 NUMBER OF STALLS DESIGNATED ACCESSIBLE: 1
 EXISTING DEVELOPMENT AREA: 19
 PROPOSED DEVELOPMENT AREA: 26

EXISTING IMPERVIOUS SURFACE AREA PRIOR TO 2018: 169,934 SQ. FT.
 ROOFTOP: 0 SQ. FT.
 PAVED: 0 SQ. FT.
 GRAVEL: 169,934 SQ. FT.

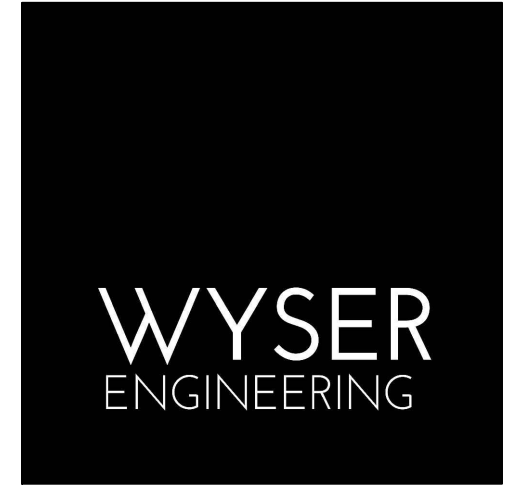
IMPERVIOUS AREA ADDED IN 2018 IMPROVEMENTS: 45,000 SQ. FT.
 ROOFTOP: 10,250 SQ. FT.
 PAVED: 34,750 SQ. FT.

PROPOSED IMPERVIOUS SURFACE AREA WITH THIS PROJECT: 58,445 SQ. FT.
 ROOFTOP: 15,950 SQ. FT.
 PAVED: 42,495 SQ. FT.

REMOVED IMPERVIOUS SURFACE AREA: 169,934 SQ. FT.
 ROOFTOP: 0 SQ. FT.
 PAVED: 0 SQ. FT.
 GRAVEL: 169,934 SQ. FT.

FINAL IMPERVIOUS SURFACE AREA: 103,445 SQ. FT.

DISTURBANCE LIMITS: 250,000 SQ. FT.
 IMPERVIOUS SURFACE AREA WITHIN DISTURBANCE LIMITS: 58,445 SQ. FT.
 PERCENT IMPERVIOUS WITHIN DISTURBANCE LIMITS: 23.4%



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Sub-Zero Corporate
Conference Center
2840 Commerce Park Drive
Fitchburg, Wisconsin

2022.32.00

Date	Issuance/Revisions	Symbol
02/20/2024	ARCHITECTURAL DESIGN REVIEW SUBMITTAL	

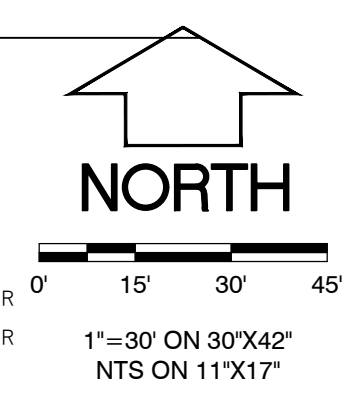
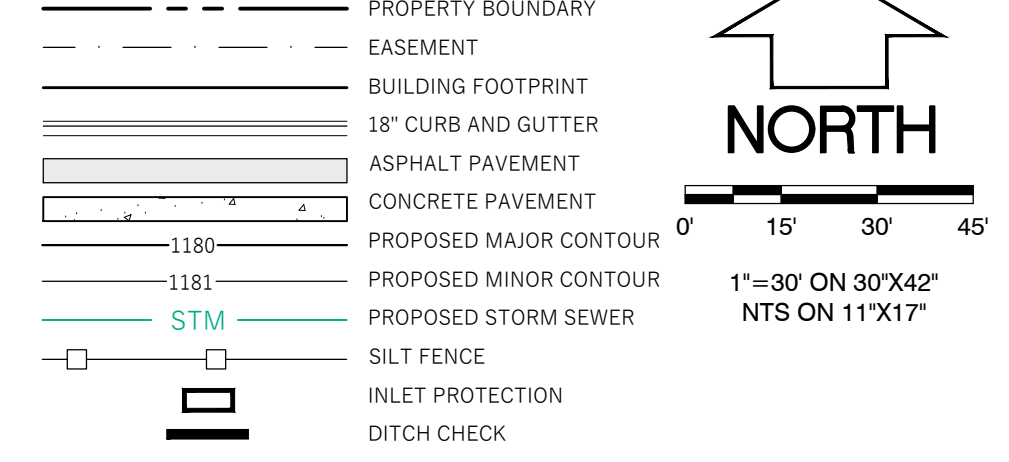
SITE PLAN -
OVERALL

C100

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File: \\WYSER\SERVERS\Wysr_Engineering\2023\231091_PU - Sub Zero - 2840 Commerce Park Drive, Fitchburg, WI\Draw\23_1091_Civil_Designing Layout_Site Plan_Overall User: Note Plotted: Feb 15, 2024 - 10:36am

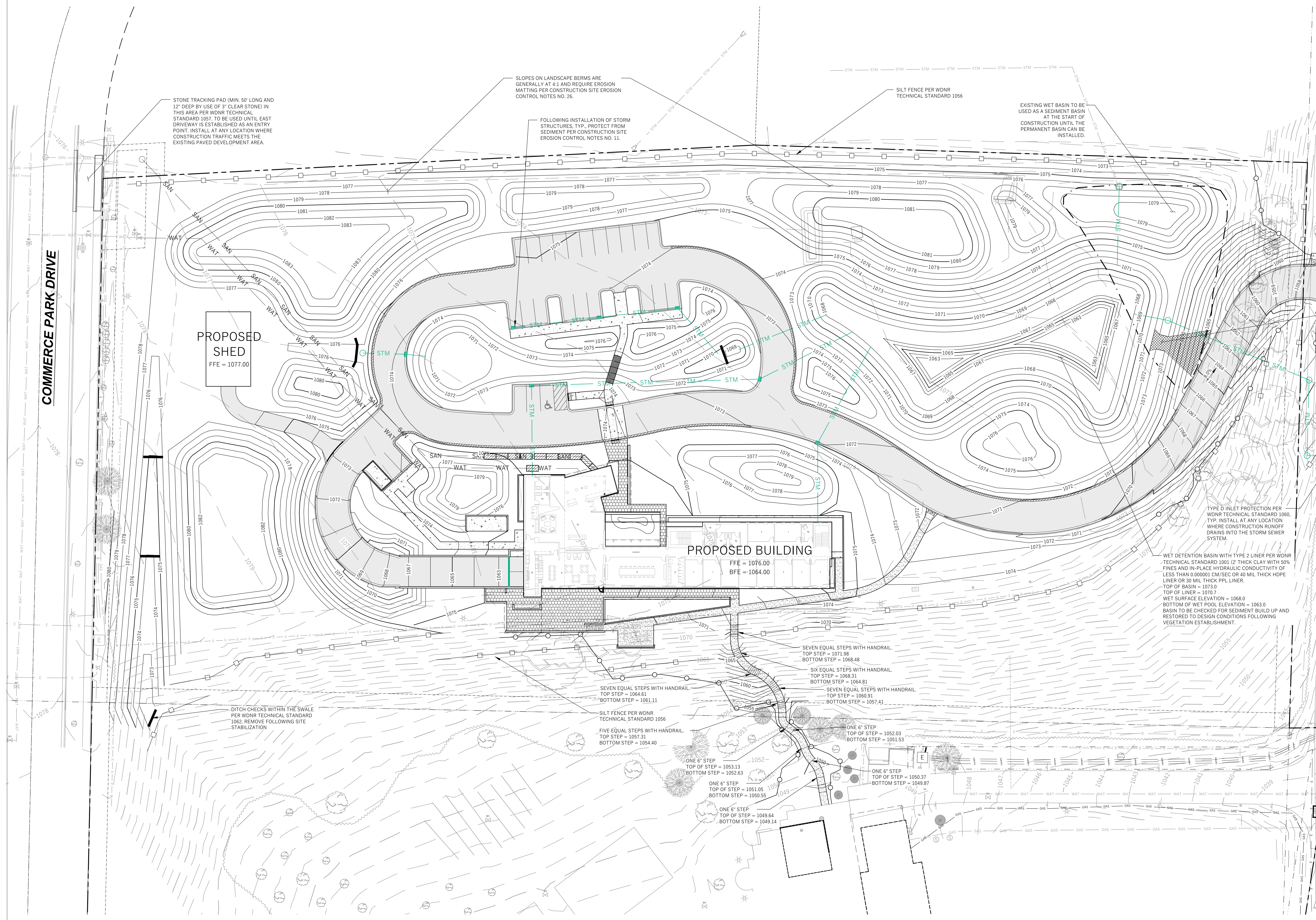
LEGEND (PROPOSED)



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OVERFLOW WIER: 15' WIDE AT ELEVATION 1072.0. WIER SHALL BE REINFORCED WITH TURF REINFORCED MAT (TRM) - CLASS II, TYPE C BY PYRAMAT OR APPROVED EQUAL. TRM SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.



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CONSTRUCTION SITE EROSION CONTROL REQUIREMENTS

- POST WORK CERTIFICATE OF PERMIT COVERAGE AND MUNICIPAL EROSION CONTROL PERMITS ON SITE AND MAINTAIN UNTIL CONSTRUCTION ACTIVITIES HAVE CEASED. THE SITE IS STABILIZED, AND A NOTICE OF TERMINATION IS FILED WITH WDNR.
- KEEP A COPY OF THE CURRENT EROSION CONTROL PLAN ON SITE THROUGHOUT THE DURATION OF THE PROJECT.
- ENGINEER / AUTHORITIES WITH JURISDICTION HAVE THE RIGHT TO REQUIRE CONTRACTOR TO IMPLEMENT ADDITIONAL EROSION CONTROL MEASURES AS NECESSARY. CONTRACTOR MUST NOTIFY THE CITY OF FITCHBURG BUILDING INSPECTOR TWO (2) WORKING DAYS IN ADVANCE OF ANY SOIL DISTURBANCE ACTIVITIES.
- SUBMIT PLAN REVISIONS OR AMENDMENTS TO THE WORK AT LEAST 5 DAYS PRIOR TO FIELD IMPLEMENTATION.
- THE SITE CONTRACTOR IS RESPONSIBLE FOR ROUTINE SITE INSPECTIONS AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.6 INCHES OR GREATER. KEEP INSPECTION REPORTS ON SITE AND MAKE THEM AVAILABLE UPON REQUEST.
- INSPECT AND MAINTAIN ALL INSTALLED EROSION CONTROL PRACTICES UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
- WHEN POSSIBLE, PRESERVE EXISTING VEGETATION (ESPECIALLY ADJACENT TO SURFACE WATERS), MINIMIZE LAND-DISTURBING CONSTRUCTION ACTIVITY ON SLOPES OF 20% OR MORE, MINIMIZE SOIL COMPACTION, AND PRESERVE TOPSOIL.
- REFER TO THE WORK STORMWATER CONSTRUCTION TECHNICAL STANDARDS AT <https://dnr.wisconsin.gov/topic/water/landclearing/landclearing.htm>
- INSTALL PERIMETER EROSION CONTROLS AND ROCK TRACKING PAD CONSTRUCTION ENTRANCES PRIOR TO ANY LAND-DISTURBING ACTIVITIES, INCLUDING CLEARING AND GRUBBING. USE WDNR TECHNICAL STANDARD STONE TRACKING PAD AND TIRE
- WASHING #1067 FOR ROCK CONSTRUCTION ENTRANCES).
- INSTALL INLET PROTECTION PRIOR TO LAND-DISTURBING ACTIVITIES IN THE CONTRIBUTING DRAINAGE AREA AND/OR IMMEDIATELY UPON INLET INSTALLATION. COMPLY WITH WDNR TECHNICAL STANDARD STORM DRAIN INLET PROTECTION FOR CONSTRUCTION SITES #1060 AND DANE COUNTY REQUIREMENTS FOR FRAMED INLET PROTECTION.
- CONTRACTOR TO PROVIDE SLOTTED LID OR METAL PLATE ON ALL OPEN MANHOLES DURING CONSTRUCTION TO MINIMIZE SEDIMENT FROM ENTERING THE STORM SEWER SYSTEM.
- STAGE CONSTRUCTION GRADING ACTIVITIES TO MINIMIZE THE CUMULATIVE EXPOSED AREA. CONDUCT TEMPORARY GRADING FOR EROSION CONTROL PER WDNR TECHNICAL STANDARD TEMPORARY GRADING PRACTICES FOR EROSION CONTROL #1067.
- PERMITTING OF GROUNDWATER DEWATERING IS THE RESPONSIBILITY OF THE CONTRACTOR. GROUNDWATER DEWATERING IS SUBJECT TO A DNR WASTEWATER DISCHARGE PERMIT AND A DNR HIGH CAPACITY WELL APPROVAL. IF CUMULATIVE PUMP CAPACITY IS TO GRM OR MORE.
- PROVIDE ANTI-SCOUR PROTECTION AND MAINTAIN NON-EROSIVE FLOW DURING DEWATERING. PERFORM DEWATERING OF ACCUMULATED SURFACE RUNOFF IN ACCORDANCE WITH WDNR TECHNICAL STANDARD DE-WATERING #1061.
- COMPLETE AND STABILIZE SEDIMENT BASINS/TRAPS OR WET PONDS PRIOR TO MASS LAND DISTURBANCE TO CONTROL RUNOFF DURING CONSTRUCTION. REMOVE SEDIMENT AS NEEDED TO MAINTAIN 3 FEET OF DEPTH TO THE OUTLET, AND PROPERLY DISPOSE OF SEDIMENT REMOVED DURING MAINTENANCE (REFER TO HR 538). CONSTRUCT AND MAINTAIN THE SEDIMENT BASIN PER WDNR TECHNICAL STANDARD SEDIMENT BASIN #1064 AND SEDIMENT TRAP # 1063.
- INSTALL AND MAINTAIN SILT FENCING PER WDNR TECHNICAL STANDARD SILT FENCE #1064. REMOVE SEDIMENT FROM BEHIND SILT FENCES AND SEDIMENT BARRIERS

- BEFORE SEDIMENT REACHES A DEPTH THAT IS EQUAL TO ONE-HALF OF THE FENCE AND/OR BARRIER HEIGHT.
- REPAIR BREAKS AND GAPS IN SILT FENCES AND BARRIERS IMMEDIATELY. REPLACE DECOMPOSING STRAW BALES (TYPICAL BALE LIFE IS 3 MONTHS). LOCATE, INSTALL, AND MAINTAIN STRAW BALE PER WDNR TECHNICAL STANDARD DITCH CHECKS #1062.
- INSTALL AND MAINTAIN FILTER SOCKS IN ACCORDANCE WITH WDNR TECHNICAL STANDARD INTERM MANUFACTURED PERIMETER CONTROL AND SLOPE INTERRUPTION PRODUCTS # 1071.
- IMMEDIATELY STABILIZE STOCKPILES AND SURROUND STOCKPILES AS NEEDED WITH SILT FENCE OR OTHER PERIMETER CONTROL. IF STOCKPILES WILL REMAIN INACTIVE FOR 7 DAYS OR LONGER.
- IMMEDIATELY STABILIZE ALL DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR 14 DAYS OR LONGER. BETWEEN SEPTEMBER 15 AND OCTOBER 15, STABILIZE WITH MULCH, TAGGED AND A PERSONAL SEED MIXED WITH WHITE WHEAT ANNUAL GRASS OR ANNUAL RYE, AS APPROPRIATE FOR REGION AND SOIL. TYPE OCTOBER 15 THROUGH COLD WEATHER. STABILIZE WITH A POLYMER AND DOMINANT SEED MIX, AS APPROPRIATE FOR REGION AND SOIL TYPE.
- PROVIDE AREAS OF FINAL GRADING WITHIN 7 DAYS OF REACHING FINAL GRADE.
- SWEEP/CLEAN UP ALL SEDIMENT/TRASH THAT MOVES OFF-SITE DUE TO CONSTRUCTION ACTIVITY OR STORM EVENTS BEFORE THE END OF THE SAME WORKDAY OR AS DIRECTED BY THE AUTHORITIES WITH JURISDICTION. SEPARATE SWEEP MATERIALS (SOILS AND TRASH) AND DISPOSE OF APPROPRIATELY.
- THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST PER WDNR TECHNICAL STANDARD DUST CONTROL ON CONSTRUCTION SITES # 1068.
- PROPERLY DISPOSE OF ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, OR OTHER CONSTRUCTION MATERIALS) AND DO

- NOT ALLOW THESE MATERIALS TO BE CARRIED BY RUNOFF INTO THE RECEIVING CHANNEL.
- COORDINATE WITH THE AUTHORITIES WITH JURISDICTION TO UPDATE THE LAND DISTURBANCE PERMIT TO INDICATE THE ANTICIPATED OR LIKELY DISPOSAL LOCATIONS FOR ANY EXCAVATED SOILS OR CONSTRUCTION DEBRIS THAT WILL BE HAULLED OFF-SITE FOR DISPOSAL. THE DEPOSITED OR STOCKPILED MATERIAL NEEDS TO INCLUDE PERIMETER SEDIMENT CONTROL MEASURES SUCH AS SILT FENCE, HAY BALES, FILTER SOCKS, OR COMPACTED EARTHEN BARRIERS.
- FOR NON-CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED SLOPES, PROVIDE CLASS III TYPE B EROSION CONTROL MATTING, INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD NON-CHANNEL EROSION MAT #1062.
- FOR CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED AREAS, PROVIDE CLASS II TYPE B EROSION CONTROL MATTING UNLESS OTHERWISE SPECIFIED ON THE PLAN. INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD CHANNEL EROSION MAT #1065.
- MAKE PROVISIONS FOR WATERING DURING THE FIRST 8 WEEKS FOLLOWING SEEDING OR PLANTING OF DISTURBED AREAS WHENEVER MORE THAN 7 CONSECUTIVE DAYS OF DRY WEATHER OCCUR.
- THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE WDNR REMEDIATION AND WASTE MANAGEMENT REQUIREMENTS FOR HANDLING AND DISPOSING OF CONTAMINATED MATERIALS. SITE-SPECIFIC INFORMATION FOR AREAS WITH KNOWN OR SUSPECTED SOIL AND/OR GROUNDWATER CONTAMINATION CAN BE FOUND ON WDNR'S BUREAU OF REMEDIATION AND REDEVELOPMENT TRACKING SYSTEM (BRTS) PUBLIC DATABASE AT: <https://dnr.wis.gov/bortm/>
- INSTALL AND MAINTAIN A CONCRETE WASHOUT BASIN PER EPA 633-F-11-006. <https://www3.epa.gov/region9/water/conservation/washout.pdf>. REQUIRE USE BY ALL CONCRETE CONTRACTORS. LIQUID MAY BE REUSED IN CONCRETE MIXING, EVAPORATED, OR DISPOSED OF AS WASTEWATER.

GRADING, SEEDING & RESTORATION NOTES

- ALL GRADES SHOWN ARE FINAL FINISHED SURFACE GRADES.
- AREAS TO BE SEEDDED SHALL HAVE A MINIMUM 6 INCHES TOPSOIL UNLESS OTHERWISE NOTED.
- AREAS NOT RESTORED WITH EROSION MATTING OR OTHER STABILIZATION MEASURES SHALL BE STABILIZED WITH MULCH.
- APPLY ANIONIC POLYMER TO DISTURBED AREAS IF EROSION BECOMES PROBLEMATIC.
- MULCH SHALL BE WEED-FREE STRAW AND SHALL BE INSTALLED AT THE RATE OF 3 TONS PER ACRE PER SECTION 627 OF "STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION" (WISDOT 2014)
- PERMANENT SEEDING SHALL NOT OCCUR BETWEEN SEPTEMBER 15TH AND APRIL 15TH. ALTERNATE SEEDING/PLANTING METHODS AND/OR EROSION PROTECTION MAY BE NECESSARY FOR SEEDING/PLANTING THAT OCCURS DURING THAT TIME. COORDINATE WITH THE OWNER AS NECESSARY.
- TEMPORARY STABILIZATION SHALL CONSIST OF ONE OR MORE OF THE FOLLOWING OPTIONS:
 - TEMPORARY SEEDING CONSISTING OF ANNUAL RYE GRASS APPLIED AT A RATE OF 1.5 LBS PER 1000 SQUARE FEET.
 - WISDOT PAL CLASS I TYPE B URBAN EROSION CONTROL MAT.

BM LABEL	ELEVATION	DESCRIPTION
BM - 1	1079.79	TOP NUT HYDRANT LOCATED ON COMMERCE PARK DRIVE NE CORNER OF SITE
BM - 2	1081.80	TOP NUT HYDRANT LOCATED ON COMMERCE PARK DRIVE SE CORNER OF SITE
BM - 3	1067.18	TOP NUT HYDRANT LOCATED ON BUD DRIVE EAST OF SITE
BM - 4	1042.96	TOP NUT HYDRANT LOCATED ON BUD DRIVE SE OF SITE

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GRADING & EROSION
CONTROL PLAN
C200

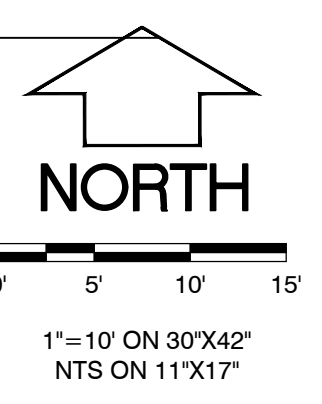
NOTE:
 SPOT GRADES ARE AS FOLLOWS:
 FFE - FINISHED FLOOR GRADE
 EP - EDGE OF ASPHALT PAVEMENT
 EC - EDGE OF CONCRETE PAVEMENT
 BC - BACK OF CURB
 SW - EDGE OF SIDEWALK
 FG - FINISH GRADE
 TW - FINISH GRADE ADJACENT TOP OF WALL
 BW - FINISH GRADE ADJACENT BOTTOM OF WALL (NOT FOOTING)

LEGEND (PROPOSED)

- PROPERTY BOUNDARY
- EASEMENT
- BUILDING FOOTPRINT
- 18" CURB AND GUTTER
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- 1180- PROPOSED MAJOR CONTOUR
- 1181- PROPOSED MINOR CONTOUR
- STM PROPOSED STORM SEWER
- SPOT GRADE
- 1181.25 EP
- DRAINAGE GRADE BREAK
- DRAINAGE ARROW

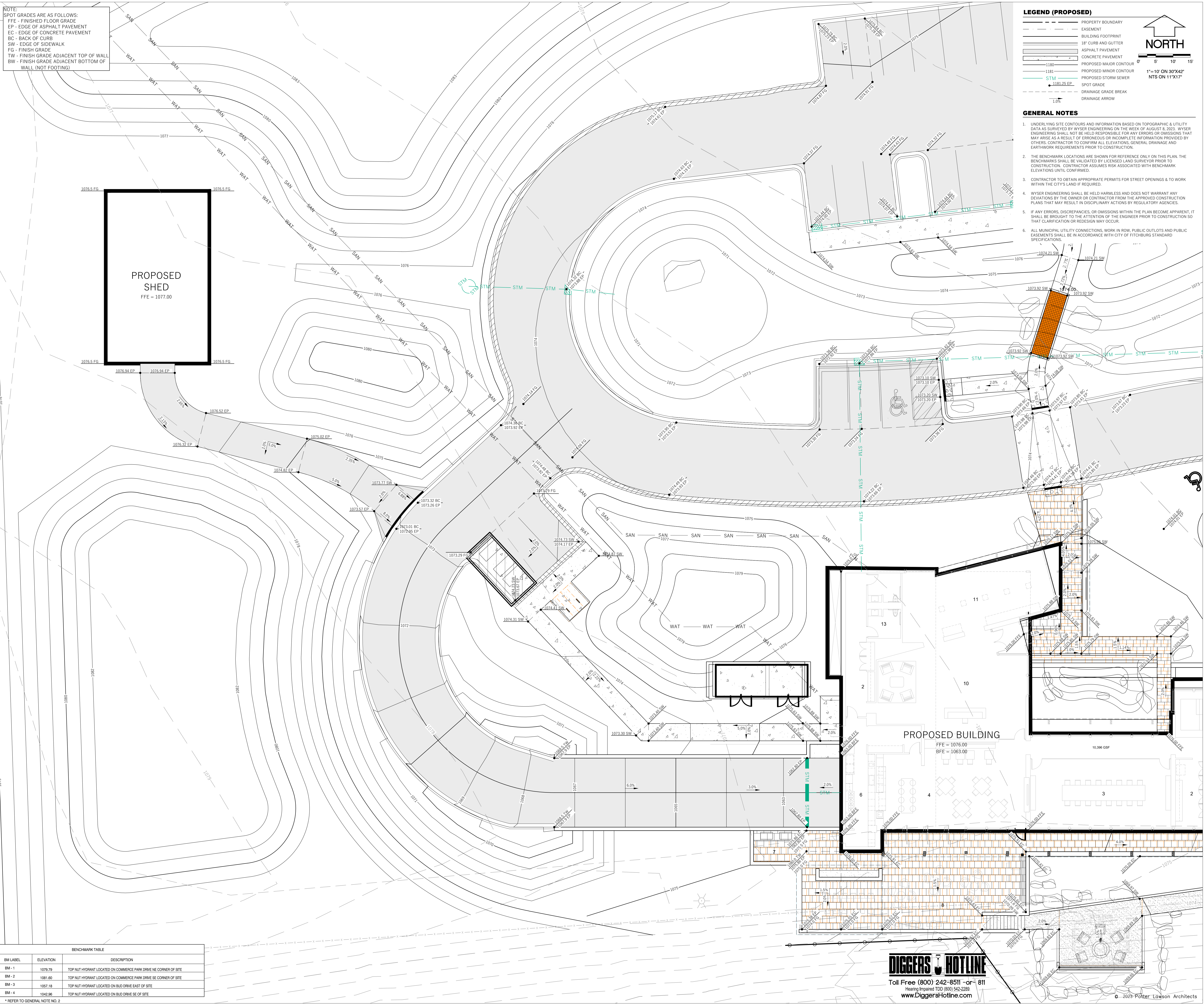
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WYSER ENGINEERING



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**DETAILED GRADING
 PLAN - WEST**

C201

BENCHMARK TABLE

BM LABEL	ELEVATION	DESCRIPTION
BM-1	1079.79	TOP NUT HYDRANT LOCATED ON COMMERCE PARK DRIVE NE CORNER OF SITE
BM-2	1081.60	TOP NUT HYDRANT LOCATED ON COMMERCE PARK DRIVE SE CORNER OF SITE
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BM-4	1042.96	TOP NUT HYDRANT LOCATED ON BLD DRIVE SE OF SITE

* REFER TO GENERAL NOTE NO.2

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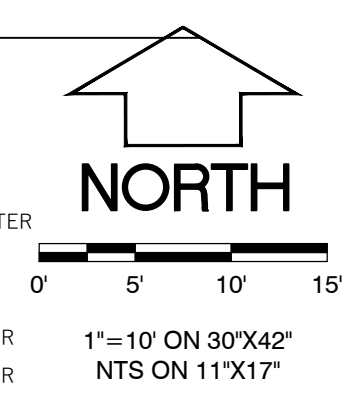
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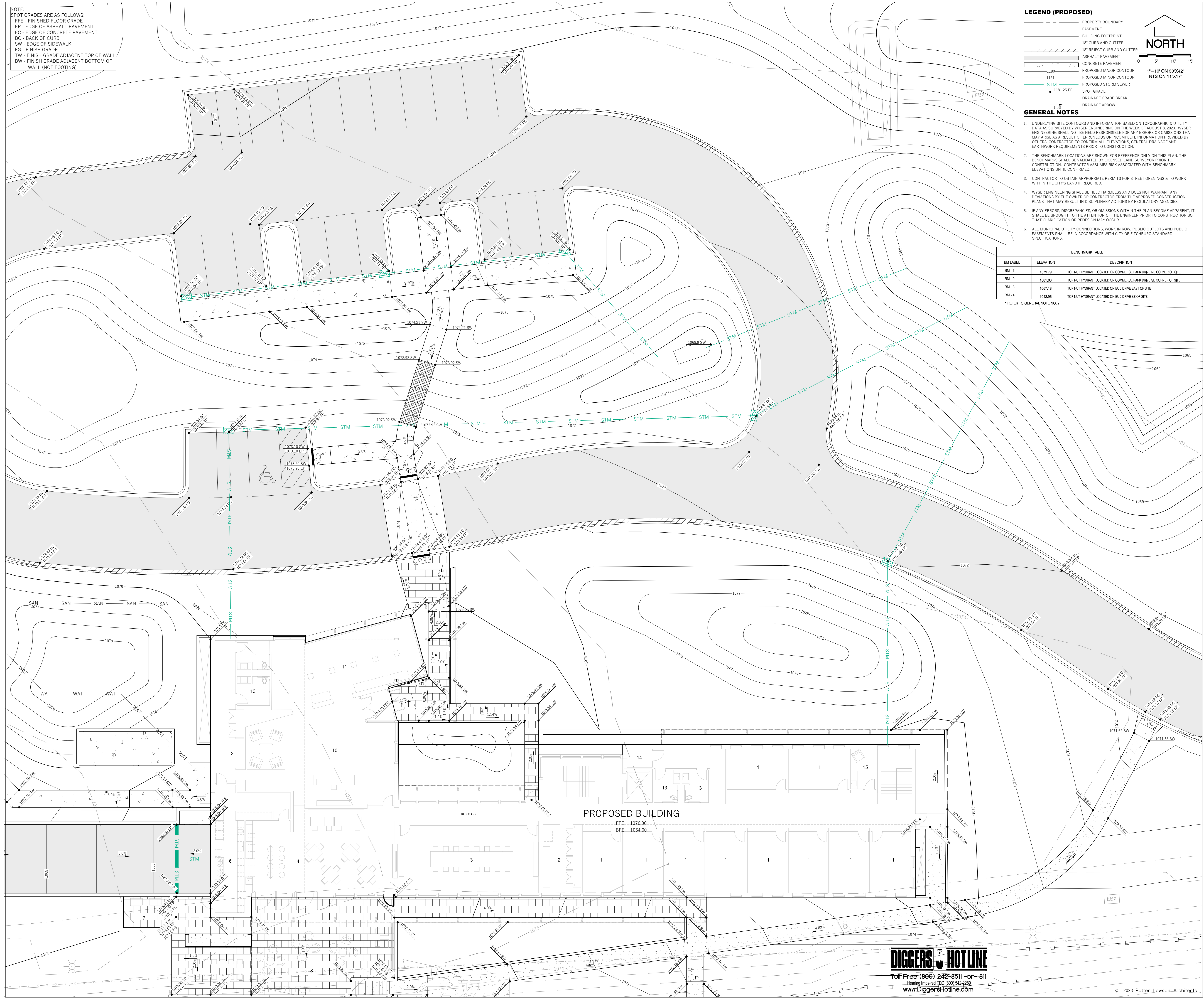
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* REFER TO GENERAL NOTE NO. 2



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**DETAILED GRADING
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C202

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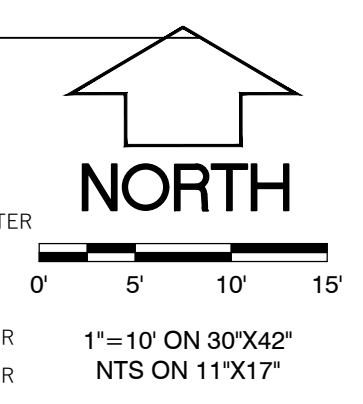
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- SPRING GRADE BREAK
- ▭ DRAINAGE ARROW

GENERAL NOTES

- UNDERLYING SITE CONTOURS AND INFORMATION BASED ON TOPOGRAPHIC & UTILITY DATA AS SURVEYED BY WYSER ENGINEERING ON THE WEEK OF AUGUST 8, 2023. WYSER ENGINEERING SHALL NOT BE HELD RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY ARISE AS A RESULT OF ERRONEOUS OR INCOMPLETE INFORMATION PROVIDED BY OTHERS. CONTRACTOR TO CONFIRM ALL ELEVATIONS, GENERAL DRAINAGE AND EARTHWORK REQUIREMENTS PRIOR TO CONSTRUCTION.
- THE BENCHMARK LOCATIONS ARE SHOWN FOR REFERENCE ONLY ON THIS PLAN. THE BENCHMARKS SHALL BE VALIDATED BY LICENSED LAND SURVEYOR PRIOR TO CONSTRUCTION. CONTRACTOR ASSUMES RISK ASSOCIATED WITH BENCHMARK ELEVATIONS UNTIL CONFIRMED.
- CONTRACTOR TO OBTAIN APPROPRIATE PERMITS FOR STREET OPENINGS & TO WORK WITHIN THE CITY'S LAND IF REQUIRED.
- WYSER ENGINEERING SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER OR CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY REGULATORY AGENCIES.
- IF ANY ERRORS, DISCREPANCIES, OR OMISSIONS WITHIN THE PLAN BECOME APPARENT, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
- ALL MUNICIPAL UTILITY CONNECTIONS, WORK IN ROW, PUBLIC OUTLOTS AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH CITY OF FITCHBURG STANDARDS.



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WYSER ENGINEERING

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Sub-Zero Corporate
 Conference Center
 2840 Commerce Park Drive
 Fitchburg, Wisconsin

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02/20/2024	ARCHITECTURAL DESIGN REVIEW SUBMITTAL	

DETAILED GRADING PLAN - EAST

C203

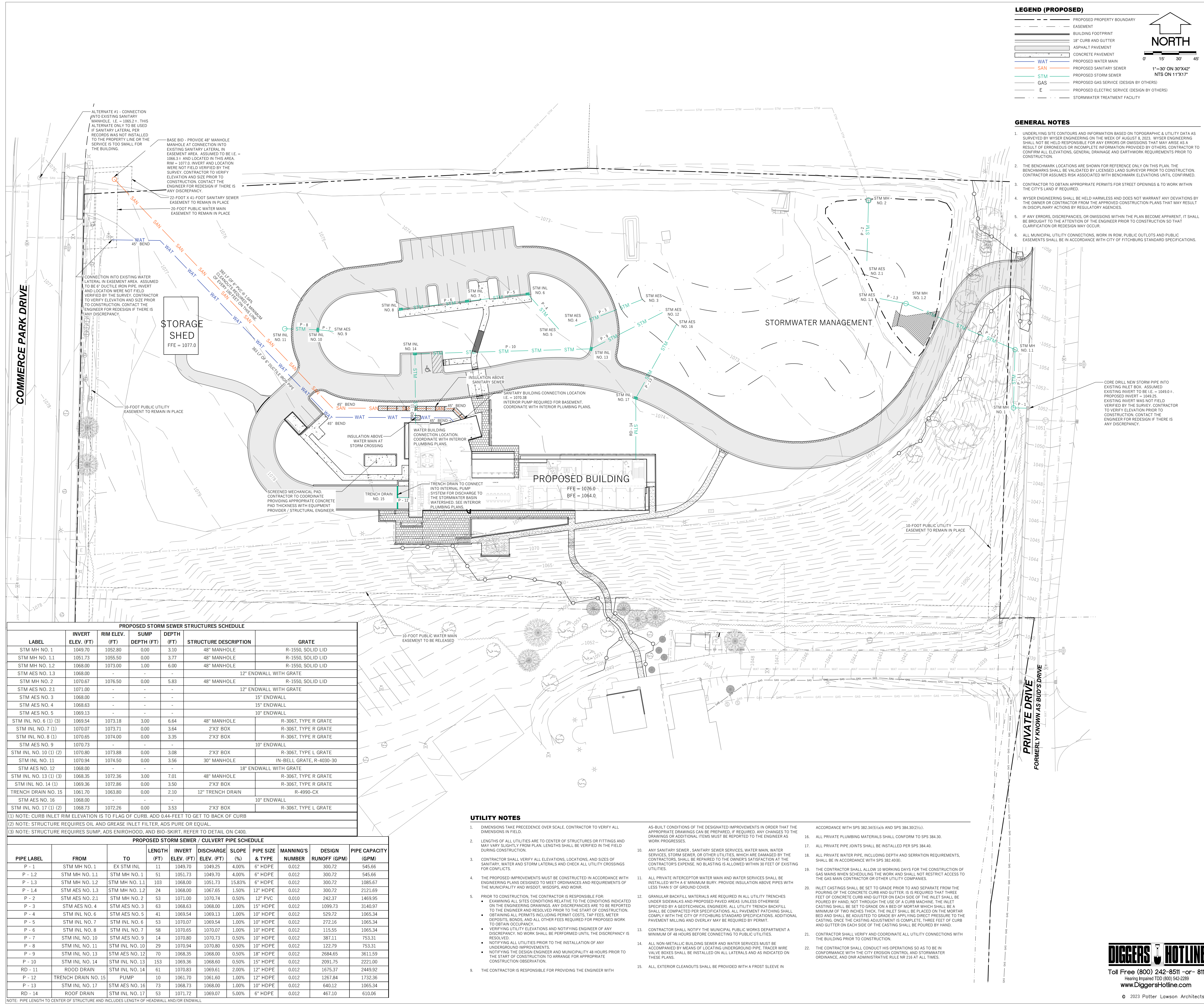
BENCHMARK TABLE

BM LABEL	ELEVATION	DESCRIPTION
BM - 1	1079.79	TOP NUT HYDRANT LOCATED ON COMMERCE PARK DRIVE NE CORNER OF SITE
BM - 2	1081.60	TOP NUT HYDRANT LOCATED ON COMMERCE PARK DRIVE SE CORNER OF SITE
BM - 3	1067.18	TOP NUT HYDRANT LOCATED ON BID DRIVE EAST OF SITE
BM - 4	1042.96	TOP NUT HYDRANT LOCATED ON BID DRIVE SE OF SITE

* REFER TO GENERAL NOTE NO. 2

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LEGEND (PROPOSED)

- PROPOSED PROPERTY BOUNDARY
- EASEMENT
- BUILDING FOOTPRINT
- 18" CURB AND GUTTER
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- WAT - PROPOSED WATER MAIN
- SAN - PROPOSED SANITARY SEWER
- STM - PROPOSED STORM SEWER
- GAS - PROPOSED GAS SERVICE (DESIGN BY OTHERS)
- E - PROPOSED ELECTRIC SERVICE (DESIGN BY OTHERS)
- STORMWATER TREATMENT FACILITY

GENERAL NOTES

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UTILITY PLAN

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C300

PROPOSED STORM SEWER STRUCTURES SCHEDULE

LABEL	INVERT ELEV. (FT)	RIM ELEV. (FT)	SUMP DEPTH (FT)	DEPTH (FT)	STRUCTURE DESCRIPTION	GRATE
STM MH NO. 1	1049.70	1052.80	0.00	3.10	48" MANHOLE	R-1550, SOLID LID
STM MH NO. 1.1	1051.73	1055.50	0.00	3.77	48" MANHOLE	R-1550, SOLID LID
STM MH NO. 1.2	1068.00	1073.00	1.00	6.00	48" MANHOLE	R-1550, SOLID LID
STM AES NO. 1.3	1068.00	-	-	-	12" ENDWALL WITH GRATE	
STM MH NO. 2	1070.67	1076.50	0.00	5.83	48" MANHOLE	R-1550, SOLID LID
STM AES NO. 2.1	1071.00	-	-	-	12" ENDWALL WITH GRATE	
STM AES NO. 3	1068.00	-	-	-	15" ENDWALL	
STM AES NO. 4	1068.63	-	-	-	15" ENDWALL	
STM AES NO. 5	1069.13	-	-	-	10" ENDWALL	
STM INL NO. 6 (1) (3)	1069.54	1073.18	3.00	6.64	48" MANHOLE	R-3067, TYPE R GRATE
STM INL NO. 7 (1)	1070.07	1073.71	0.00	3.64	2'X3' BOX	R-3067, TYPE R GRATE
STM INL NO. 8 (1)	1070.65	1074.00	0.00	3.35	2'X3' BOX	R-3067, TYPE R GRATE
STM AES NO. 9	1070.73	-	-	-	10" ENDWALL	
STM INL NO. 10 (1) (2)	1070.80	1073.88	0.00	3.08	2'X3' BOX	R-3067, TYPE L GRATE
STM INL NO. 11	1070.94	1074.50	0.00	3.56	30" MANHOLE	IN-BELL GRATE, R-4030-30
STM AES NO. 12	1068.00	-	-	-	18" ENDWALL WITH GRATE	
STM INL NO. 13 (1) (3)	1068.35	1072.36	3.00	7.01	48" MANHOLE	R-3067, TYPE R GRATE
STM INL NO. 14 (1)	1069.36	1072.86	0.00	3.50	2'X3' BOX	R-3067, TYPE R GRATE
TRENCH DRAIN NO. 15	1061.70	1063.80	0.00	2.10	12" TRENCH DRAIN	R-4990-CX
STM AES NO. 16	1068.00	-	-	-	10" ENDWALL	
STM INL NO. 17 (1) (2)	1068.73	1072.26	0.00	3.53	2'X3' BOX	R-3067, TYPE L GRATE

(1) NOTE: CURB INLET RIM ELEVATION IS TO FLAG OF CURB. ADD 0.44- FEET TO GET TO BACK OF CURB
(2) NOTE: STRUCTURE REQUIRES OIL AND GREASE INLET FILTER, ADS PURE OR EQUAL
(3) NOTE: STRUCTURE REQUIRES SUMP, ADS ENRHOOD, AND BIO-SKIRT. REFER TO DETAIL ON C400.

PROPOSED STORM SEWER / CULVERT PIPE SCHEDULE

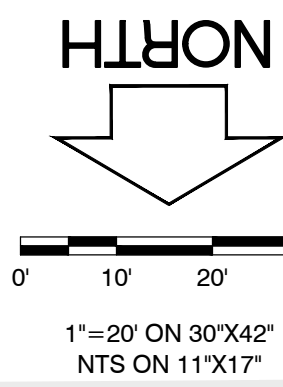
PIPE LABEL	FROM	TO	LENGTH (FT)	INVERT ELEV. (FT)	DISCHARGE ELEV. (FT)	SLOPE (%)	PIPE SIZE & TYPE	MANNING'S NUMBER	DESIGN RUNOFF (GPM)	PIPE CAPACITY (GPM)
P - 1	STM MH NO. 1	EX STM INL	11	1049.70	1049.25	4.00%	6" HDPE	0.012	300.72	545.66
P - 1.2	STM MH NO. 1.1	STM MH NO. 1.1	51	1051.73	1049.70	4.00%	6" HDPE	0.012	300.72	545.66
P - 1.3	STM MH NO. 1.2	STM MH NO. 1.1	103	1068.00	1051.73	15.83%	6" HDPE	0.012	300.72	1085.67
P - 1.4	STM AES NO. 1.3	STM MH NO. 1.2	24	1068.00	1067.65	1.50%	12" HDPE	0.012	300.72	2121.69
P - 2	STM AES NO. 2.1	STM MH NO. 2	53	1071.00	1070.74	0.50%	12" PVC	0.010	242.37	1469.95
P - 3	STM AES NO. 3	STM AES NO. 3	63	1068.63	1068.00	1.00%	15" HDPE	0.012	1099.73	3140.97
P - 4	STM INL NO. 6	STM AES NO. 5	41	1069.54	1069.13	1.00%	10" HDPE	0.012	529.72	1065.34
P - 5	STM INL NO. 7	STM INL NO. 6	53	1070.07	1069.54	1.00%	10" HDPE	0.012	272.16	1065.34
P - 6	STM INL NO. 8	STM INL NO. 7	58	1070.65	1070.07	1.00%	10" HDPE	0.012	115.55	1065.34
P - 7	STM INL NO. 10	STM AES NO. 9	14	1070.80	1070.73	0.50%	10" HDPE	0.012	387.11	753.31
P - 8	STM INL NO. 11	STM INL NO. 10	29	1070.94	1070.80	0.50%	10" HDPE	0.012	122.79	753.31
P - 9	STM INL NO. 13	STM AES NO. 12	70	1068.35	1068.00	0.50%	18" HDPE	0.012	2684.65	3611.59
P - 10	STM INL NO. 14	STM INL NO. 13	153	1069.36	1068.60	0.50%	15" HDPE	0.012	2091.75	2221.00
RD - 11	ROOD DRAIN	STM INL NO. 14	61	1070.83	1069.61	2.00%	12" HDPE	0.012	1675.37	2449.92
P - 12	TRENCH DRAIN NO. 15	PUMP	10	1061.70	1061.60	1.00%	12" HDPE	0.012	1267.84	1732.36
P - 13	STM INL NO. 17	STM AES NO. 16	73	1068.73	1068.00	1.00%	10" HDPE	0.012	640.12	1065.34
RD - 14	ROOF DRAIN	STM INL NO. 17	53	1071.72	1069.07	5.00%	6" HDPE	0.012	467.10	610.06

NOTE: PIPE LENGTH TO CENTER OF STRUCTURE AND INCLUDES LENGTH OF HEADWALL AND/OR ENDWALL.

UTILITY NOTES

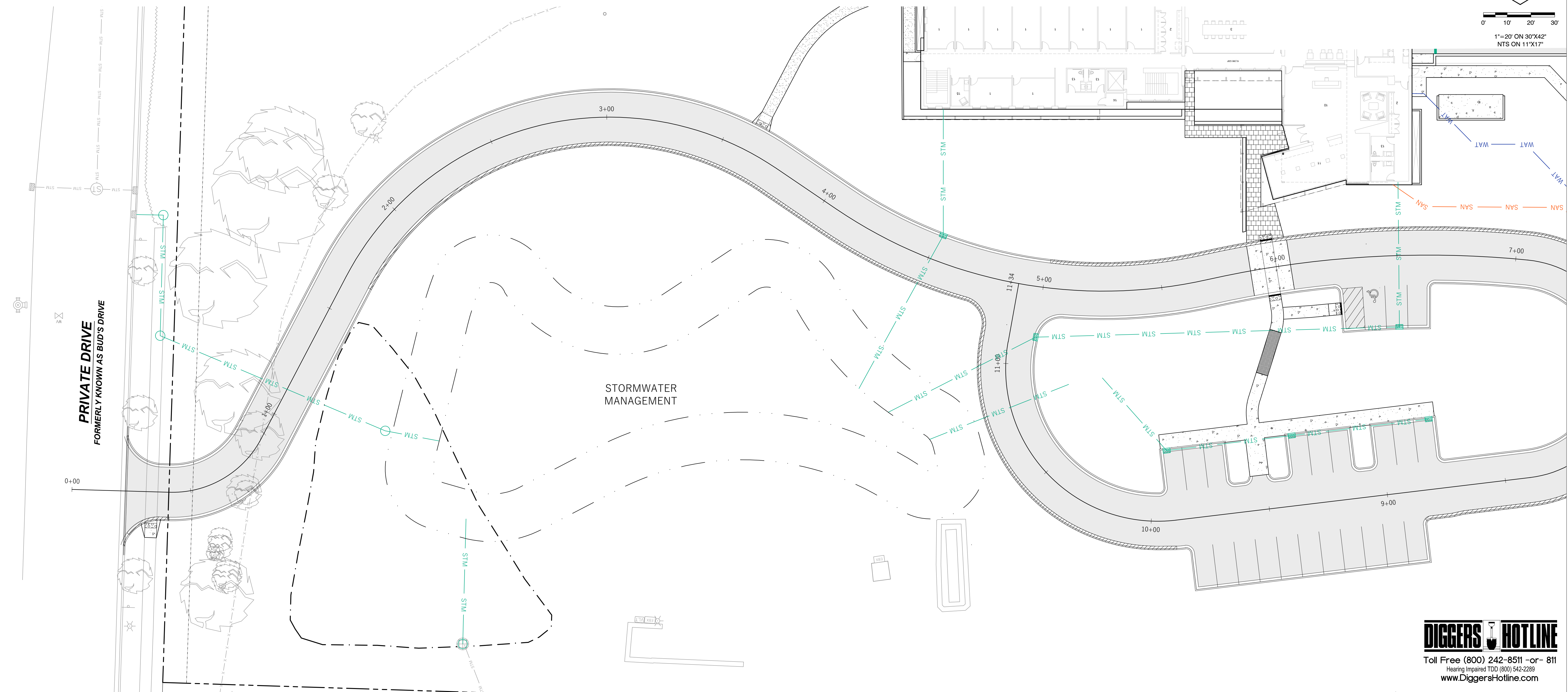
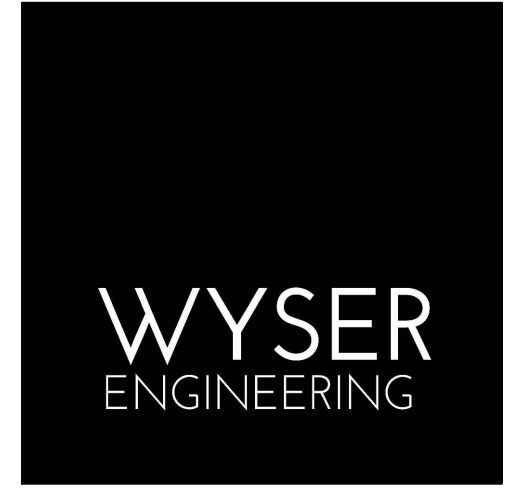
- DIMENSIONS TAKE PRECEDENCE OVER SCALE. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD.
- LENGTHS OF ALL UTILITIES ARE TO CENTER OF STRUCTURES OR FITTINGS AND MAY VARY SLIGHTLY FROM PLAN. LENGTHS SHALL BE VERIFIED IN THE FIELD DURING CONSTRUCTION.
- CONTRACTOR SHALL VERIFY ALL ELEVATIONS, LOCATIONS, AND SIZES OF SANITARY, WATER AND STORM LATERALS AND CHECK ALL UTILITY CROSSINGS FOR CONFLICTS.
- THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH ENGINEERING PLANS DESIGNED TO MEET ORDINANCES AND REQUIREMENTS OF THE MUNICIPALITY AND WISDOT, WISDPS, AND WORK.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR:
 - EXAMINING ALL SITE CONDITIONS RELATIVE TO THE CONDITIONS INDICATED ON THE ENGINEERING DRAWINGS. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER AND RESOLVED PRIOR TO THE START OF CONSTRUCTION.
 - OBTAINING ALL PERMITS INCLUDING PERMIT COSTS, TAP FEES, METER DEPOSITS, BONDS, AND ALL OTHER FEES REQUIRED FOR PROPOSED WORK TO OBTAIN OCCUPANCY.
 - VERIFYING UTILITY ELEVATIONS AND NOTIFYING ENGINEER OF ANY DISCREPANCY. NO WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS RESOLVED.
 - NOTIFYING ALL UTILITIES PRIOR TO THE INSTALLATION OF ANY UNDERGROUND IMPROVEMENTS.
 - NOTIFYING THE DESIGN ENGINEER AND MUNICIPALITY 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION OBSERVATION.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE ENGINEER WITH AS-BUILT CONDITIONS OF THE DESIGNATED IMPROVEMENTS IN ORDER THAT THE APPROPRIATE DRAWINGS CAN BE PREPARED. IF REQUIRED ANY CHANGES TO THE DRAWINGS OR ADDITIONAL ITEMS MUST BE REPORTED TO THE ENGINEER AS WORK PROGRESSES.
- ANY SANITARY SEWER, SANITARY SEWER SERVICES, WATER MAIN, WATER SERVICES, STORM SEWER, OR OTHER UTILITIES, WHICH ARE DAMAGED BY THE CONTRACTORS, SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE. NO BLASTING IS ALLOWED WITHIN 30 FEET OF EXISTING UTILITIES.
- ALL PRIVATE INTERCEPTOR WATER MAIN AND WATER SERVICES SHALL BE INSTALLED WITH A 2" MINIMUM BURY. PROVIDE INSULATION ABOVE PIPES WITH LESS THAN 9" OF GROUND COVER.
- GRANULAR BACKFILL MATERIALS ARE REQUIRED IN ALL UTILITY TRENCHES UNDER SIDEWALKS AND PROPOSED PAVED AREAS UNLESS OTHERWISE SPECIFIED BY A GEOTECHNICAL ENGINEER. ALL UTILITY TRENCH BACKFILL SHALL BE COMPACTED PER SPECIFICATIONS. ALL PAVEMENT PATCHING SHALL COMPLY WITH THE CITY OF FITCHBURG STANDARD SPECIFICATIONS. ADDITIONAL PAVEMENT MILLING AND OVERLAY MAY BE REQUIRED BY PERMIT.
- CONTRACTOR SHALL NOTIFY THE MUNICIPAL PUBLIC WORKS DEPARTMENT A MINIMUM OF 48 HOURS BEFORE CONNECTING TO PUBLIC UTILITIES.
- ALL NON-METALLIC BUILDING SEWER AND WATER SERVICES MUST BE ACCOMPANIED BY MEANS OF LOCATING UNDERGROUND PIPE. TRACER WIRE VALVE BOXES SHALL BE INSTALLED ON ALL LATERALS AND AS INDICATED ON THESE PLANS.
- ALL EXTERIOR CLEANOUTS SHALL BE PROVIDED WITH A FROST SLEEVE IN ACCORDANCE WITH SPS 382.34(1)(a) AND SPS 384.30(2)(c).
- ALL PRIVATE PLUMBING MATERIALS SHALL CONFORM TO SPS 384.30.
- ALL PRIVATE PIPE JOINTS SHALL BE INSTALLED PER SPS 384.40.
- ALL PRIVATE WATER PIPE, INCLUDING DEPTH AND SERRATION REQUIREMENTS, SHALL BE IN ACCORDANCE WITH SPS 382.40(8).
- THE CONTRACTOR SHALL ALLOW 10 WORKING DAYS FOR THE CONSTRUCTION OF GAS MAINS WHEN SCHEDULING THE WORK AND SHALL NOT RESTRICT ACCESS TO THE GAS MAIN CONTRACTOR OR OTHER UTILITY COMPANIES.
- INLET CASTINGS SHALL BE SET TO GRADE PRIOR TO AND SEPARATE FROM THE POURING OF THE CONCRETE CURB AND GUTTER. IS IS REQUIRED THAT THREE FEET OF CONCRETE CURB AND GUTTER ON EACH SIDE OF THE INLET SHALL BE POURED BY HAND, NOT THROUGH THE USE OF A CURB MACHINE. THE INLET CASTING SHALL BE SET TO GRADE ON A BED OF MORTAR WHICH SHALL BE A MINIMUM OF TWO INCHES THICK. THE INLET SHALL BE PLACED ON THE MORTAR BED AND SHALL BE ADJUSTED TO GRADE BY APPLYING DIRECT PRESSURE TO THE CASTING ONCE THE CASTING ADJUSTMENT IS COMPLETE. THREE FEET OF CURB AND GUTTER ON EACH SIDE OF THE CASTING SHALL BE POURED BY HAND.
- CONTRACTOR SHALL VERIFY AND COORDINATE ALL UTILITY CONNECTIONS WITH THE BUILDING PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS SO AS TO BE IN CONFORMANCE WITH THE CITY EROSION CONTROL AND STORMWATER ORDINANCE, AND DNR ADMINISTRATIVE RULE NR 216 AT ALL TIMES.

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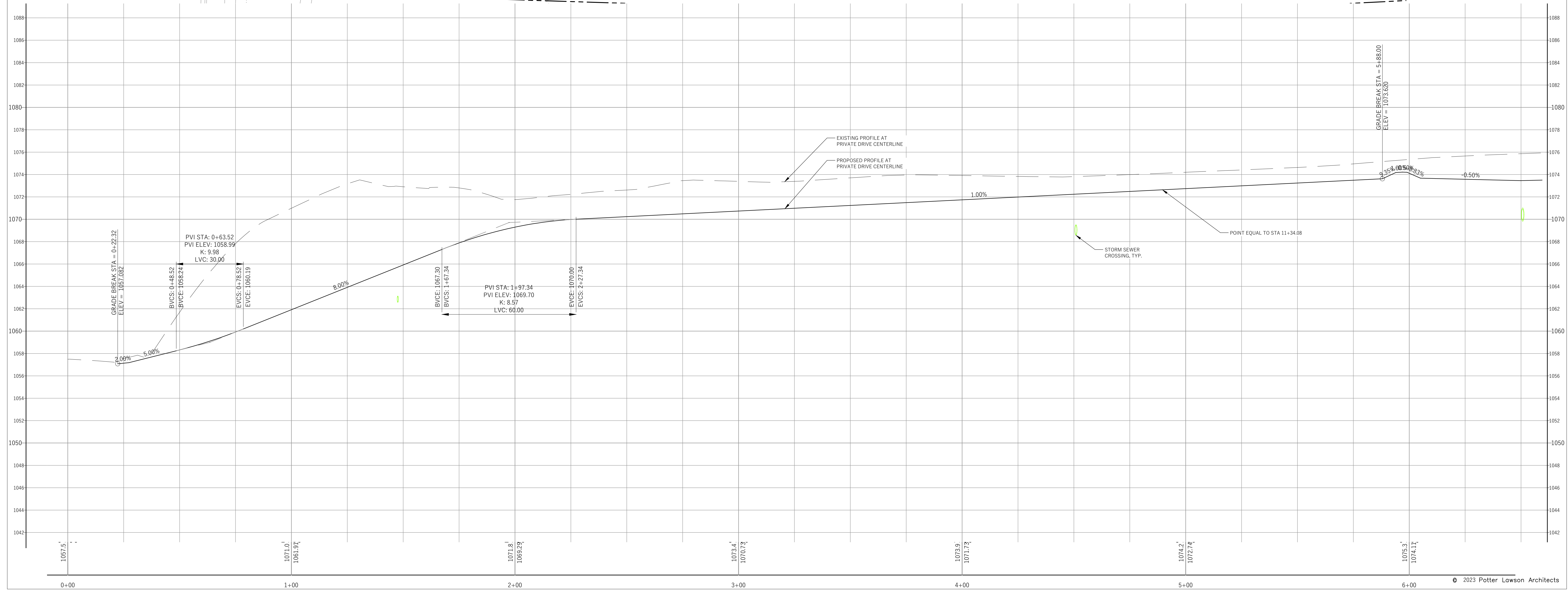
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NTS ON 11"x17"

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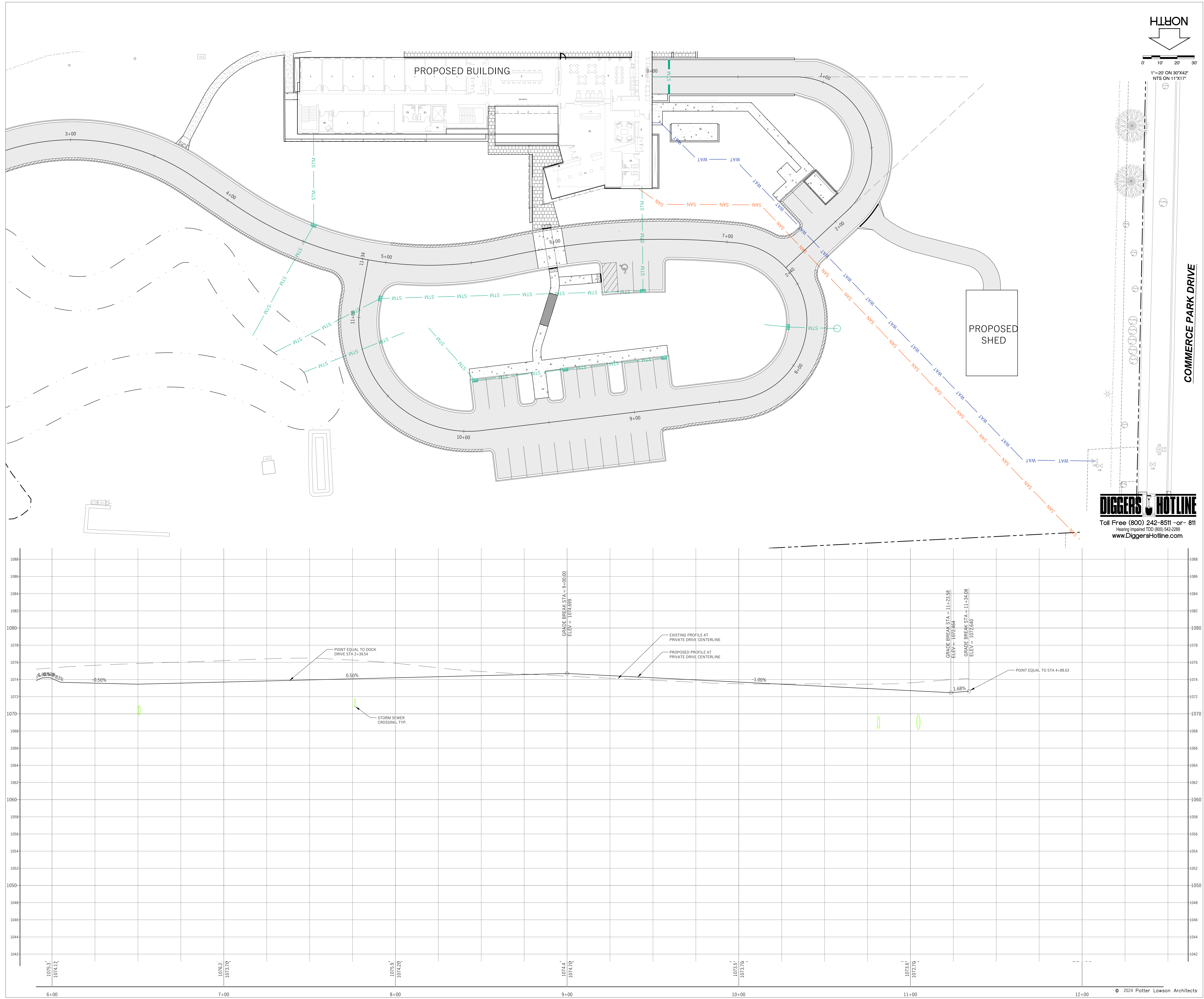
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PLAN & PROFILE
1+00 - 6+00

C500

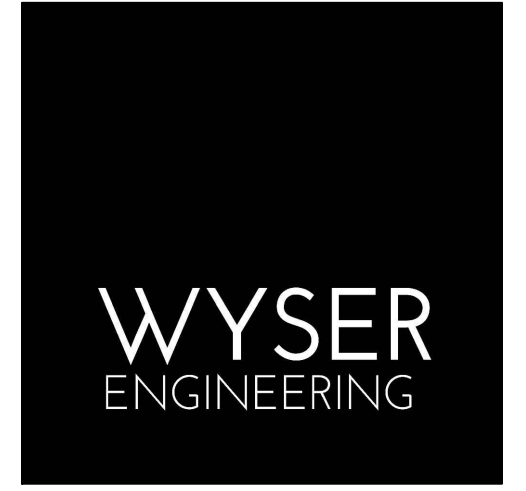
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1"=20' ON 30"x42"
N.T.S. ON 11"x17"

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COMMERCE PARK DRIVE



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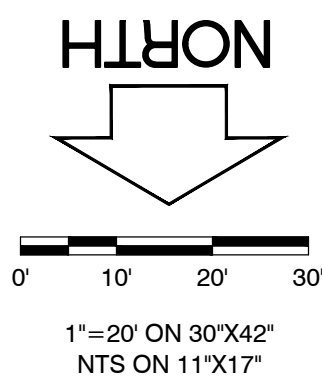
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02/20/2024	ARCHITECTURAL DESIGN REVIEW SUBMITTAL	

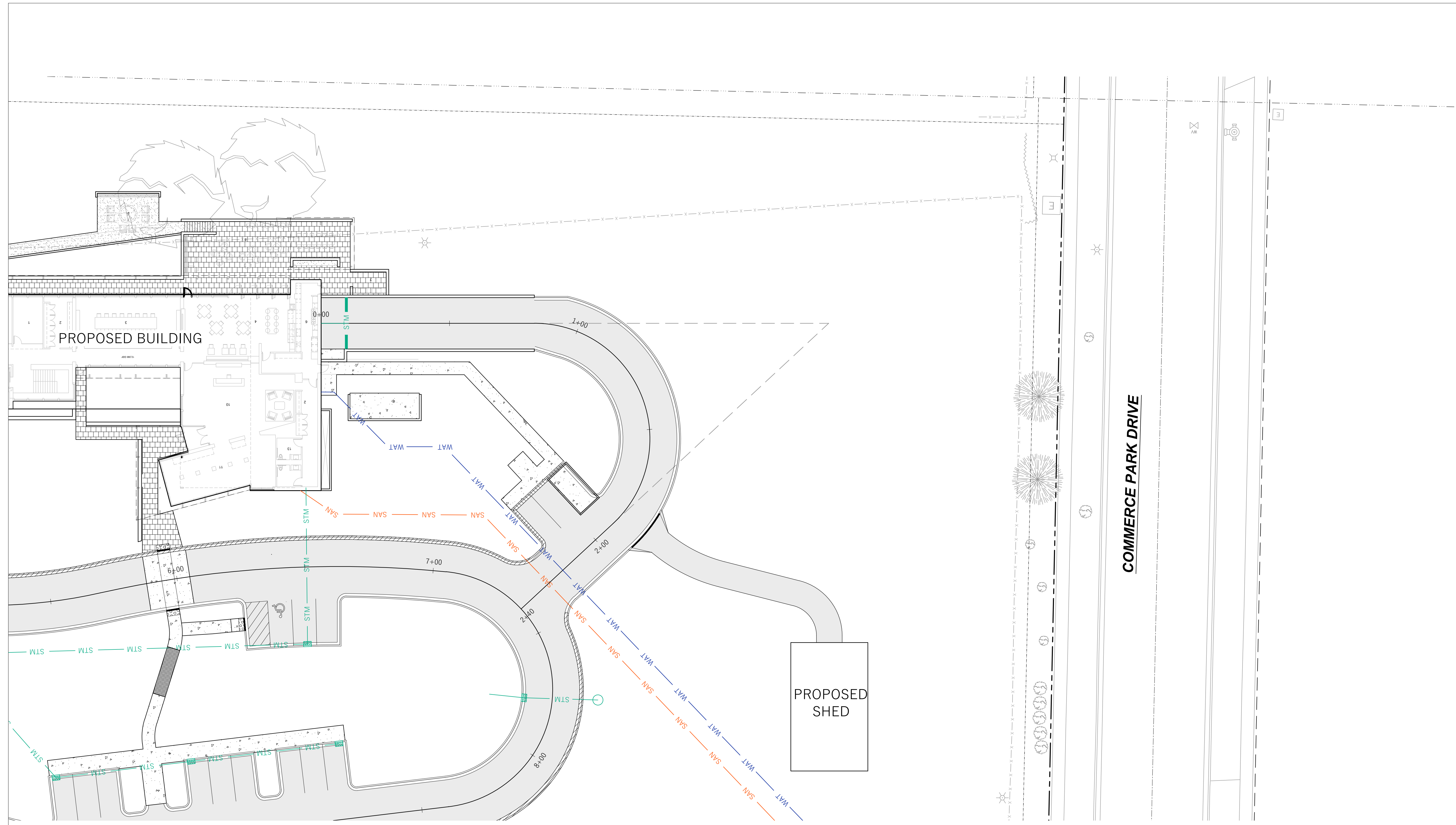
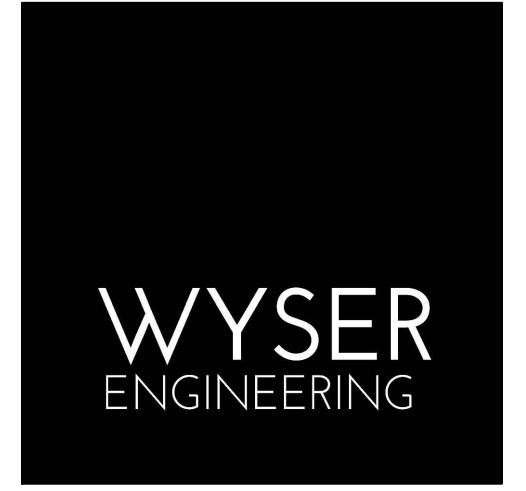
PLAN & PROFILE
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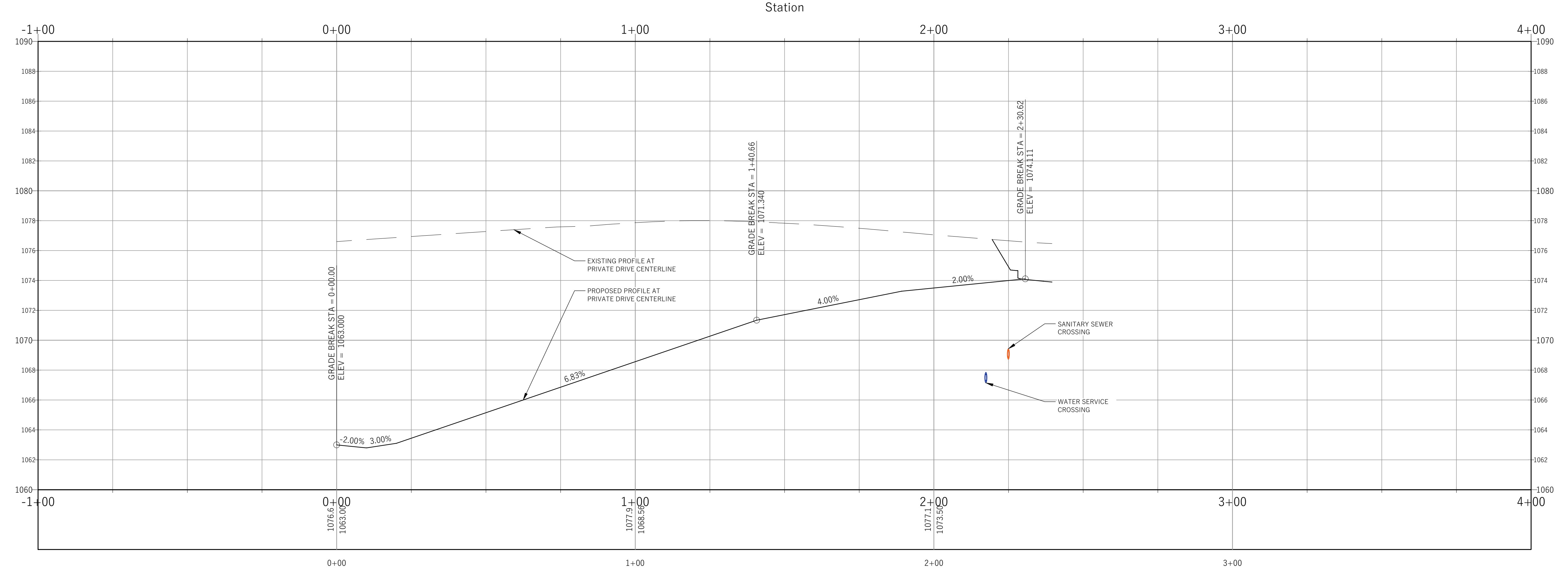
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Loading Dock PROFILE



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PLAN & PROFILE
DOCK DRIVE

C502

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LEGEND

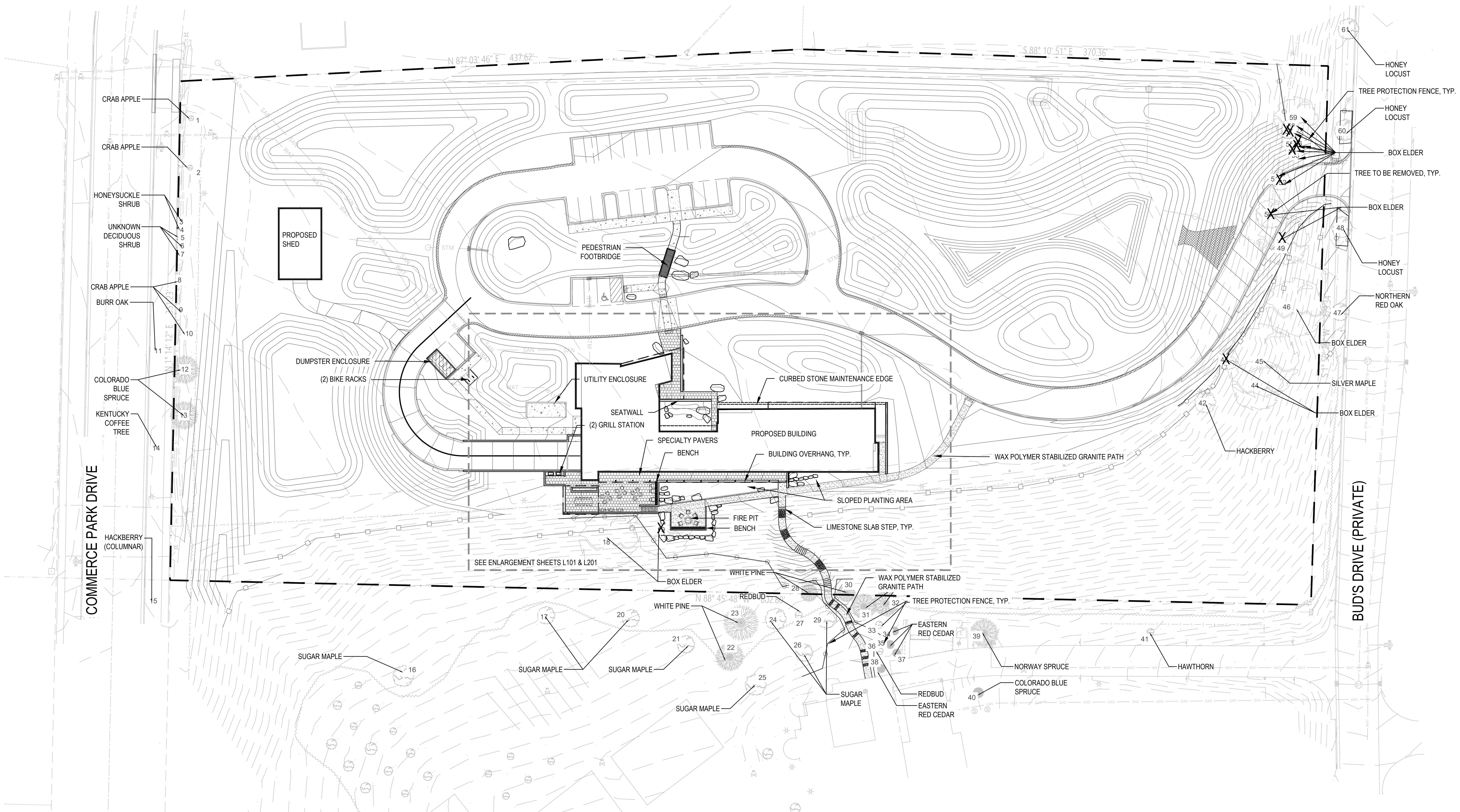
- LIMIT OF WORK LINE
- TREE PROTECTION
- STANDARD CONCRETE
- STABILIZED CRUSHED GRANITE PATH (IMPERMEABLE WAX POLYMER PATHWAY MIX)
- SPECIALTY PAVERS
- LARGE FORMAT OUTCROPPING/BOULDER RETAINING WALL
- TABLE/CHAIR SET TYPE 1
- TABLE/CHAIR SET TYPE 2
- TABLE/CHAIR SET TYPE 3
- TABLE/CHAIR SET TYPE 4
- BENCH
- CHAIR
- FIRE PIT

NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY SURVEY INFORMATION AND SITE CONDITIONS PRIOR TO START OF CONSTRUCTION AND REPORT ANY DISCREPANCIES.
2. CONTRACTOR SHALL CONTACT DIGGER'S HOTLINE TO LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE CAUSED TO EXISTING UTILITIES, EITHER SHOWN OR NOT, SHALL BE REPAIRED AND PAID FOR AT THE CONTRACTOR'S EXPENSE.
3. CONTRACTOR SHALL PROTECT BENCHMARKS. ANY RELOCATED BENCHMARKS SHALL BE INCLUDED IN CONTRACTOR AS-BUILTS.
4. ALL EXISTING PLANT MATERIAL IS SHOWN AT EXISTING, APPROXIMATED SIZE PER CITY OF MADISON STANDARDS.
5. ANY STREET TREE REMOVALS REQUESTED AFTER THE DEVELOPMENT PLAN IS APPROVED BY THE PLAN COMMISSION OR THE BOARD OF PUBLIC WORKS AND CITY FORESTRY WILL REQUIRE A MINIMUM OF A 72-HOUR REVIEW PERIOD WHICH SHALL INCLUDE THE NOTIFICATION OF THE ALDERPERSON WITHIN WHOSE DISTRICT IS AFFECTED BY THE STREET TREE REMOVAL(S) PRIOR TO A TREE REMOVAL PERMIT BEING ISSUED.

EXISTING TREES

TREE ID	SPECIES	DBH (IN)	CONDITION
1	CRAB APPLE	8" MULTI	UNPRUNED
2	CRAB APPLE	8" MULTI	UNPRUNED
3	HONEYSUCKLE	SHRUB	INVASIVE
4	HONEYSUCKLE	SHRUB	INVASIVE
5	UNKNOWN SHRUB	SHRUB	DEAD
6	UNKNOWN SHRUB	SHRUB	DEAD
7	UNKNOWN SHRUB	SHRUB	AVERAGE
8	CRAB APPLE	8" MULTI	UNPRUNED
9	CRAB APPLE	8" MULTI	UNPRUNED
10	CRAB APPLE	8" MULTI	UNPRUNED
11	BURR OAK	3"	SPECIMEN
12	COLORADO BLUE SPRUCE	12"	SPECIMEN
13	COLORADO BLUE SPRUCE	12"	SPECIMEN
14	KENTUCKY COFFEE TREE	3"	SPECIMEN
15	HACKBERRY (COLUMNAR)	3"	SPECIMEN
16	SUGAR MAPLE	10"	SPECIMEN
17	SUGAR MAPLE	10"	SPECIMEN
18	BOX ELDER	18"	AVG. MESSY
19	BOX ELDER	24"	AVG. MESSY
20	SUGAR MAPLE	10"	SPECIMEN
21	SUGAR MAPLE	10"	SPECIMEN
22	WHITE PINE	10"	SPECIMEN
23	WHITE PINE	10"	SPECIMEN
24	SUGAR MAPLE	10"	SPECIMEN
25	SUGAR MAPLE	10"	SPECIMEN
26	SUGAR MAPLE	10"	SPECIMEN
27	REDBUD	3"	SPECIMEN
28	WHITE PINE	8"	SPECIMEN
29	SUGAR MAPLE	10"	SPECIMEN
30	WHITE PINE	8"	SPECIMEN
31	WHITE PINE	10"	SPECIMEN
32	WHITE PINE	10"	SPECIMEN
33	REDBUD	2"	SPECIMEN
34	EASTERN RED CEDAR	4"	SPECIMEN
35	EASTERN RED CEDAR	4"	SPECIMEN
36	REDBUD	2"	SPECIMEN
37	EASTERN RED CEDAR	4"	SPECIMEN
38	EASTERN RED CEDAR	4"	SPECIMEN
39	NORWAY SPRUCE	14"	SPECIMEN
40	COLORADO BLUE SPRUCE	4"	SPECIMEN
41	HAWTHORN	4"	SPECIMEN
42	HACKBERRY	8"	GOOD
43	BOX ELDER	10" MULTI	AVG. MESSY
44	BOX ELDER	30"	AVG. MESSY
45	SILVER MAPLE	24"	GOOD
46	BOX ELDER	24"	AVG. MESSY
47	NORTHERN RED OAK	14"	SPECIMEN
48	HONEY LOCUST	18"	SPECIMEN
49	BOX ELDER	24"	AVG. MESSY
50	BOX ELDER	12"	AVG. MESSY
51	BOX ELDER	6-10"	AVG. MESSY
52	BOX ELDER	6-10"	AVG. MESSY
53	BOX ELDER	6-10"	AVG. MESSY
54	BOX ELDER	6-10"	AVG. MESSY
55	BOX ELDER	6-10"	AVG. MESSY
56	BOX ELDER	6-10"	AVG. MESSY
57	BOX ELDER	6-10"	AVG. MESSY
58	BOX ELDER	6-10"	AVG. MESSY
59	BOX ELDER	24"	AVG. MESSY
60	HONEY LOCUST	18"	SPECIMEN
61	HONEY LOCUST	18"	SPECIMEN



1 OVERALL LANDSCAPE PLAN
SCALE: 1" = 30'



PRELIMINARY
NOT FOR CONSTRUCTION

Sub-Zero Corporate Conference Center

2840 Commerce Park Dr.
Fitchburg, Wisconsin
2022.32.00

Saiki Project #: 2023-020

DATE	ISSUANCE/REVISIONS
02/20/2024	ARCHITECTURAL DESIGN REVIEW SUBMITTAL

OVERALL LANDSCAPE PLAN

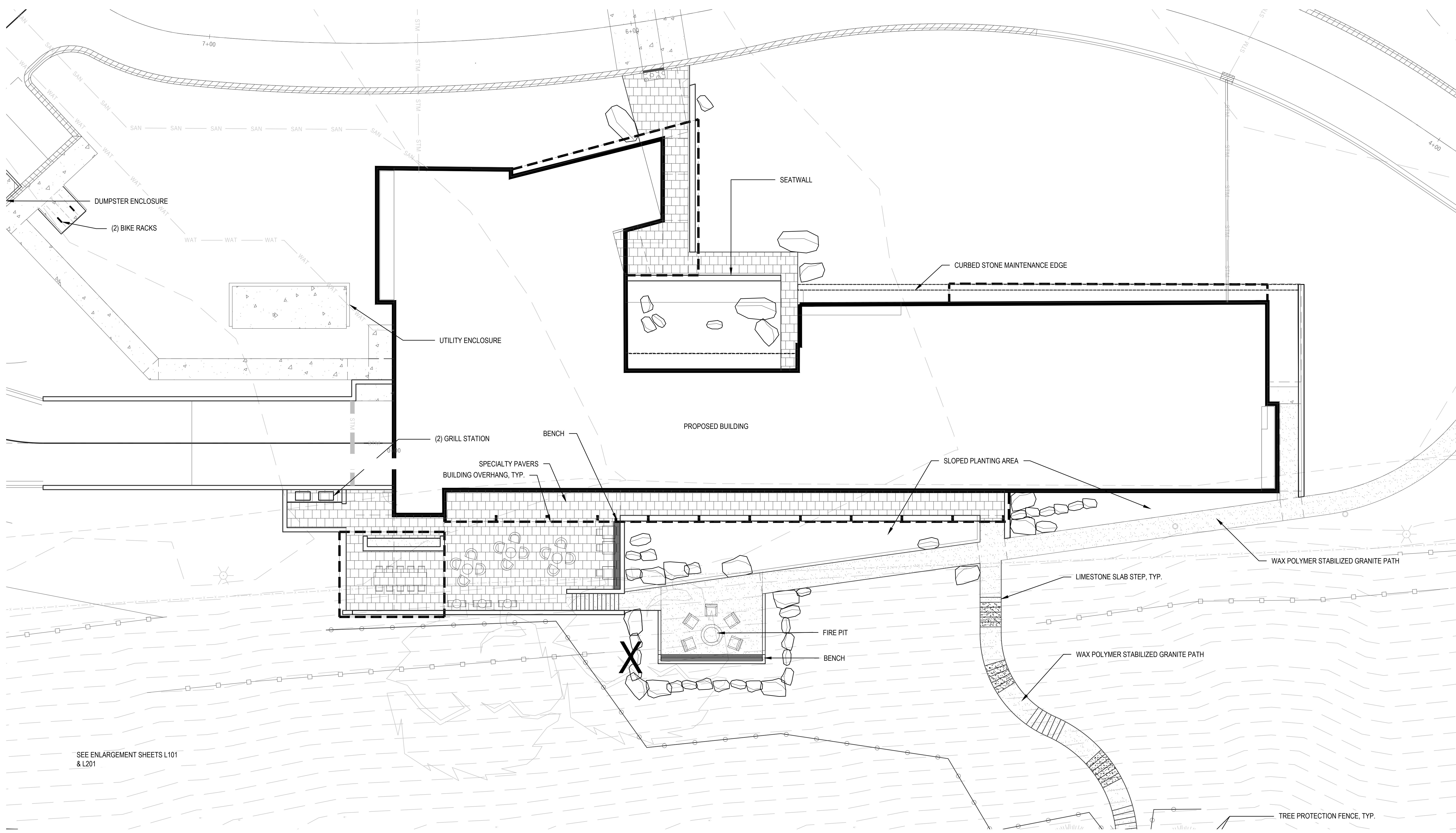
L100

LEGEND

- LIMIT OF WORK LINE
- TREE PROTECTION
- STANDARD CONCRETE
- STABILIZED CRUSHED GRANITE PATH (IMPERMEABLE WAX POLYMER PATHWAY MIX)
- SPECIALTY PAVERS
- LARGE FORMAT OUTCROPPING/BOULDER RETAINING WALL
- TABLE/CHAIR SET TYPE 1
- TABLE/CHAIR SET TYPE 2
- TABLE/CHAIR SET TYPE 3
- TABLE/CHAIR SET TYPE 4
- BENCH
- CHAIR
- FIRE PIT

NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY SURVEY INFORMATION AND SITE CONDITIONS PRIOR TO START OF CONSTRUCTION AND REPORT ANY DISCREPANCIES.
2. CONTRACTOR SHALL CONTACT DIGGER'S HOTLINE TO LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE CAUSED TO EXISTING UTILITIES, EITHER SHOWN OR NOT, SHALL BE REPAIRED AND PAID FOR AT THE CONTRACTOR'S EXPENSE.
3. CONTRACTOR SHALL PROTECT BENCHMARKS. ANY RELOCATED BENCHMARKS SHALL BE INCLUDED IN CONTRACTOR AS-BUILTS.
4. ALL EXISTING PLANT MATERIAL IS SHOWN AT EXISTING, APPROXIMATED SIZE PER CITY OF MADISON STANDARDS.
5. ANY STREET TREE REMOVALS REQUESTED AFTER THE DEVELOPMENT PLAN IS APPROVED BY THE PLAN COMMISSION OR THE BOARD OF PUBLIC WORKS AND CITY FORESTRY WILL REQUIRE A MINIMUM OF A 72-HOUR REVIEW PERIOD WHICH SHALL INCLUDE THE NOTIFICATION OF THE ALDERPERSON WITHIN WHOSE DISTRICT IS AFFECTED BY THE STREET TREE REMOVAL(S) PRIOR TO A TREE REMOVAL PERMIT BEING ISSUED.



PRELIMINARY
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**Sub-Zero Corporate
Conference Center**

2840 Commerce Park Dr.
Fitchburg, Wisconsin
2022.32.00

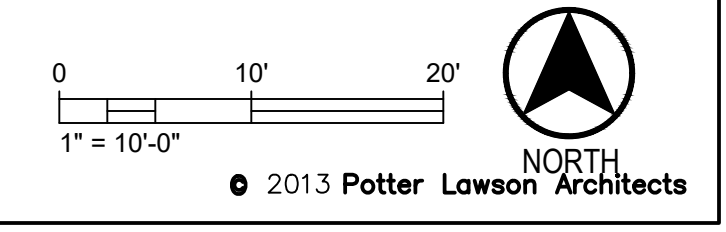
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DATE ISSUANCE/REVISIONS

DATE	ISSUANCE/REVISIONS
02/20/2024	ARCHITECTURAL DESIGN REVIEW SUBMITTAL

**LANDSCAPE PLAN
ENLARGEMENT**

1 SITE PLAN ENLARGEMENT
SCALE: 1" = 10'



NOTES

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INFORMATION ON MATERIALS AND SET STANDARDS FOR QUALITY AND INSTALLATION REQUIREMENTS.

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PLANT SCHEDULE

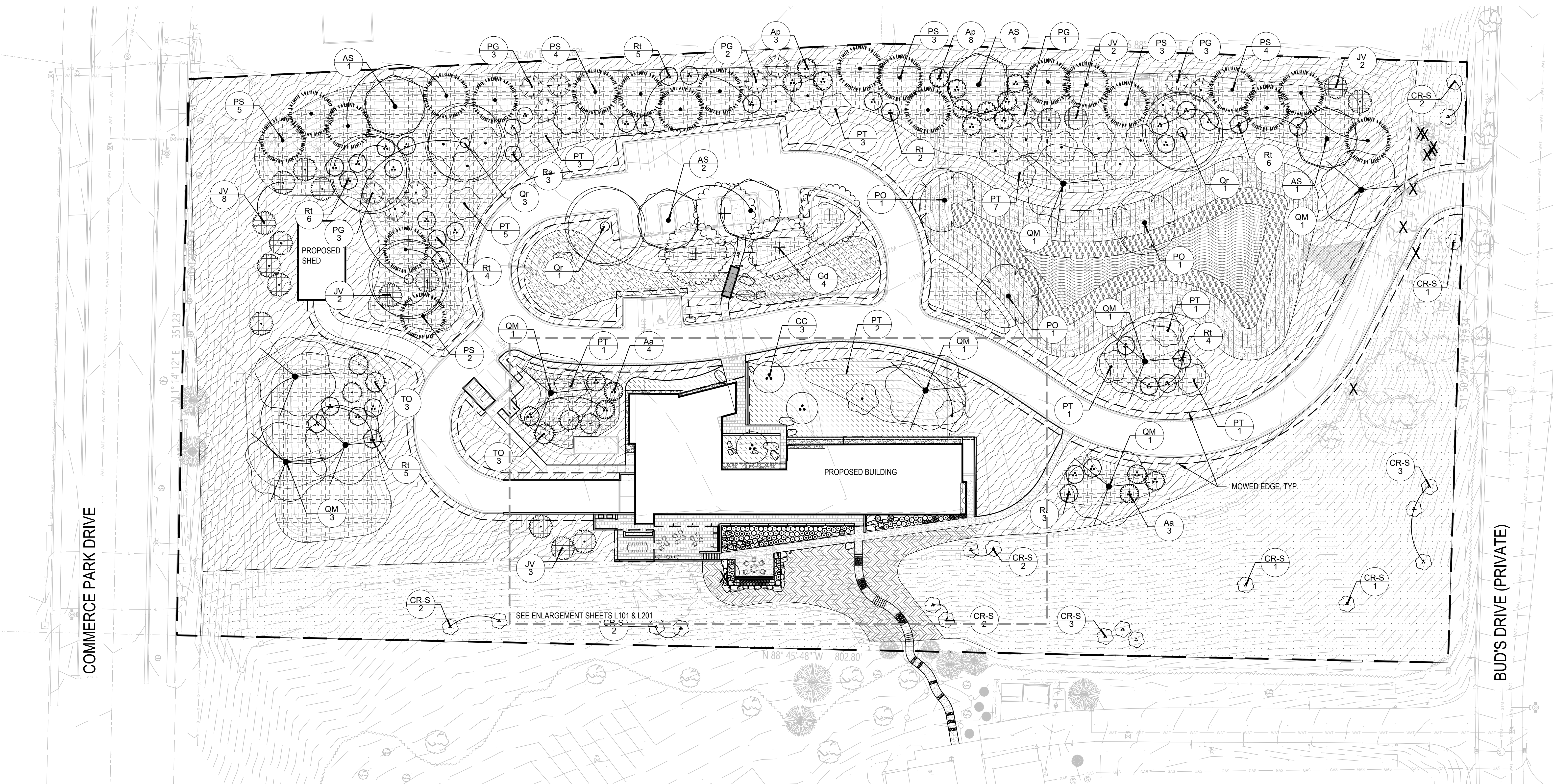
SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL/HEIGHT
TREES					
(Symbol)	AS	5	Acer saccharum / Sugar Maple	B & B	2' Cal
(Symbol)	CC	3	Carpinus caroliniana / American Hornbeam	15 gal	
(Symbol)	CR-S	19	Cornus racemosa / Gray Dogwood	5 gal	
(Symbol)	Gd	4	Gymnocladus dioica / Kentucky Coffeetree	B & B	2' Cal
(Symbol)	PO	3	Platanus occidentalis / American Sycamore	B & B	2' Cal
(Symbol)	PT	24	Populus tremuloides / Quaking Aspen	B & B	1.5' Cal
(Symbol)	QM	9	Quercus macrocarpa / Burr Oak	B & B	2' Cal
(Symbol)	Qr	5	Quercus rubra / Red Oak	B & B	2' Cal
EVERGREEN TREES					
(Symbol)	JV	17	Juniperus virginiana / Eastern Redcedar	B & B	5' HT. (MIN)
(Symbol)	PG	12	Picea glauca / White Spruce	B & B	5' HT. (MIN)
(Symbol)	PS	21	Pinus strobus / White Pine	B & B	6' HT. (MIN.)
(Symbol)	TO	6	Thuja occidentalis / American Arborvitae	B & B	5' HT. (MIN)
SHRUBS					
(Symbol)	Ap	11	Aesculus parviflora / Bottlebrush Buckeye	5 gal	
(Symbol)	Aa	7	Amelanchier arborea / Downy Serviceberry	5 gal	
(Symbol)	Ca2	42	Ceanothus americanus / New Jersey Tea	5 gal	

(Symbol)	Cp	46	Comptonia peregrina / Sweet Fern	5 gal
(Symbol)	Hk	26	Hypericum kalmianum / Kalm St. Johnswort	5 gal
(Symbol)	Jh	9	Juniperus horizontalis / Creeping Juniper	5 gal
(Symbol)	Jx	2	Juniperus x 'Grey Owl' / Grey Owl Juniper	5 gal
(Symbol)	Ra	3	Rhus aromatica / Fragrant Sumac	5 gal
(Symbol)	Rt	35	Rhus typhina / Staghorn Sumac	5 gal

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT
(Symbol)	phm	35	Panicum virgatum 'Heavy Metal' / Heavy Metal Switch Grass	1 gal

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT
SHRUB AREAS				
(Symbol)		797 sf	STONE MAINTENANCE EDGE	
(Symbol)		79,076 sf	FLOWERING MEADOW MIX	
(Symbol)	Ac	1,827	Allium oerstromii / Nodding Onion	seed
(Symbol)	As2	3,652	Asplenium platyneuron / Pinesyretes	seed
(Symbol)	Bc	7,305	Buteloua curtipendula / Side Oats Grama	seed
(Symbol)	Ep	1,827	Echinacea purpurea / Coneflower	seed
(Symbol)	Es	7,305	Eragrostis spectabilis / Purple Lovegrass	seed
(Symbol)	Lg	1,827	Liatris pycnostachya / Prairie Gayfeather	seed
(Symbol)	Pm	1,827	Pycnanthemum muticum / Stout Mountainmint	seed
(Symbol)	Rs	3,652	Rudbeckia subtomentosa / Sweet Black-eyed Susan	seed
(Symbol)	Sl	7,305	Schizachyrium scoparium / Little Bluestem	seed
(Symbol)		4,708 sf	PRAIRIE SLOPE STABILIZING MIX	
(Symbol)	Bc	434	Buteloua curtipendula / Side Oats Grama	seed
(Symbol)	Ec	434	Elymus canadensis / Canada Wild Rye	seed
(Symbol)	Ey	108	Eryngium yuccifolium / Rattlesnake Master	seed
(Symbol)	Mb	108	Monarda fistulosa / Bergamot	seed
(Symbol)	Pv	217	Pycnanthemum virginianum / Mountain Mint	seed
(Symbol)	Ss	108	Solidago speciosa / Showy Goldenrod	seed
(Symbol)	Sn	434	Sorghastrum nutans / Indian Grass	seed
(Symbol)	Sl2	108	Symphoricarpos laevis / Smooth Aster	seed
(Symbol)	To2	217	Tradescantia ohioensis / Ohio Spiderwort	seed
(Symbol)		56,439 sf	BERM MIX A	
(Symbol)	Al	3,909	Artemisia ludoviciana / White Sagebrush	seed
(Symbol)	Cp2	5,213	Comptonia peregrina / Sweet Fern	seed
(Symbol)	Fv	1,303	Fragaria virginiana / Wild Strawberry	seed
(Symbol)	Sl	15,640	Schizachyrium scoparium / Little Bluestem	seed
(Symbol)		7,084 sf	BERM MIX B	
(Symbol)	Ca	981	Carex albicans / White-tinged Sedge	plug
(Symbol)	Gm2	654	Geranium maculatum / Spotted Geranium	plug
(Symbol)	Pa2	1,635	Polystichum acrostichoides / Christmas Fern	plug

(Symbol)	Ca	5,606 sf	STORMWATER SWALE SEDGE MIX	
(Symbol)	777	777	Carex albicans / White-tinged Sedge	plug
(Symbol)	Cv	777	Carex vulpoides / Fox Sedge	plug
(Symbol)	lv	518	Iris versicolor / Blue Flag	plug
(Symbol)	To2	518	Tradescantia ohioensis / Ohio Spiderwort	plug
(Symbol)		4,976 sf	WETLAND EMERGENT MIX	
(Symbol)	As2	460	Alisma subcordatum / American Water Plantain	seed
(Symbol)	Cd	230	Callamagrostis canadensis / Bluejoint Grass	seed
(Symbol)	Ch	690	Carex hystrix / Parrotfinch Sedge	seed
(Symbol)	lv2	690	Iris versicolor / Blue Flag	seed
(Symbol)	Mr	230	Mimulus ringens / Monkeyflower	seed
(Symbol)		64,747 sf	SELECTIVE INVASIVES REMOVAL & ENHANCEMENT AREA	
(Symbol)		3,805 sf	STORMWATER POND	
(Symbol)		12,361 sf	SEDGE MEADOW MIX	
(Symbol)	Bu2	1,142	Bromus ciliatus / Fringed Brome	seed
(Symbol)	Cu3	1,142	Carex comosa / Longhair Sedge	seed
(Symbol)	Ca2	1,142	Carex stipata / Awl-fruited Sedge	seed
(Symbol)	Cv2	856	Carex vulpoides / Fox Sedge	seed
(Symbol)	lv3	856	Iris virginica / Blue Flag Iris	seed
(Symbol)	Sc	571	Silphium perfoliatum / Cup Plant	seed



1 OVERALL PLANTING PLAN
SCALE: 1" = 30'



PRELIMINARY
NOT FOR CONSTRUCTION

Sub-Zero Corporate
Conference Center

2840 Commerce Park Dr.
Fitchburg, Wisconsin
2022.32.00

Saiki Project #: 2023-020

DATE ISSUANCE/REVISIONS
02/11/2024 RCHITDRAFT DES:INTERNAL:REVIEW

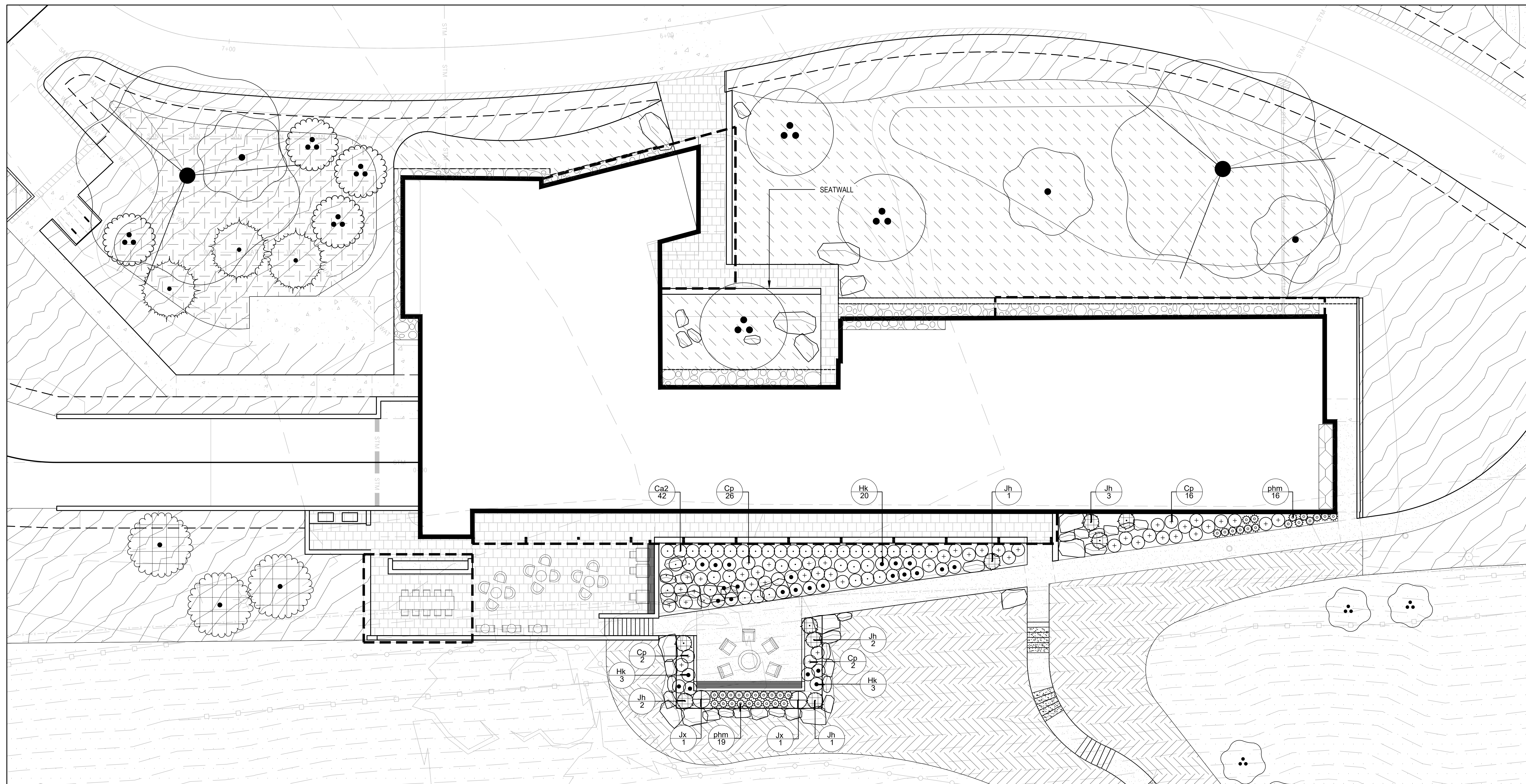
OVERALL
PLANTING PLAN

L200

Consultant:



PRELIMINARY
NOT FOR CONSTRUCTION



PLANT SCHEDULE- ENLARGEMENT

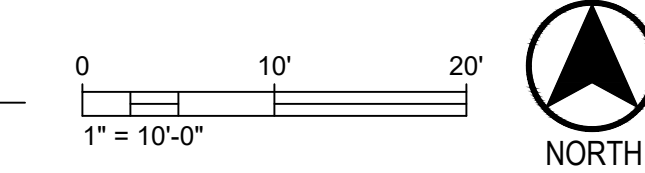
SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SPACING
SHRUBS					
	Ap	11	Aesculus parviflora / Bottlebrush Buckeye	5 gal	
	Aa	7	Amelanchier arborea / Downy Serviceberry	5 gal	
	Ca2	42	Ceanothus americanus / New Jersey Tea	5 gal	
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	Ra	3	Rhus aromatica / Fragrant Sumac	5 gal	
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ORNAMENTAL GRASSES					
	phm	35	Panicum virgatum 'Heavy Metal' / Heavy Metal Switch Grass	1 gal	
SHRUB AREAS					
		797 sf	STONE MAINTENANCE EDGE		
		79,076 sf	FLOWERING MEADOW MIX		
	Ac	1,827	Allium cernuum / Nodding Onion	seed	
	Ap2	3,652	Antennaria plantaginifolia / Pussytoes	seed	
	Bc	7,305	Bouteloua curtipendula / Side Oats Grama	seed	
	Ep	1,827	Echinacea purpurea / Coneflower	seed	
	Es	7,305	Eragrostis spectabilis / Purple Lovegrass	seed	
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	Pm	1,827	Pycnanthemum multicutum / Blunt Mountainmint	seed	
	Rs	3,652	Rudbeckia subtomentosa / Sweet Black-eyed Susan	seed	
	Si	7,305	Schizachyrium scoparium / Little Bluestem	seed	
		4,706 sf	PRAIRIE SLOPE STABILIZING MIX		
	Bc	434	Bouteloua curtipendula / Side Oats Grama	seed	
	Ec	434	Elymus canadensis / Canada Wild Rye	seed	
	Ey	108	Eryngium yuccifolium / Rattlesnake Master	seed	
	Mb	108	Moranda fistulosa / Bergamot	seed	
	Pv	217	Pycnanthemum virginianum / Mountain Mint	seed	
	Ss	108	Solidago speciosa / Showy Goldenrod	seed	
	Sn	434	Sorghastrum nutans / Indian Grass	seed	
	Slz	108	Symphoricarpon laeve / Smooth Aster	seed	
	To2	217	Tradescantia ohiensis / Ohio Spiderwort	plug	

1 PLANTING PLAN ENLARGEMENT
SCALE: 1" = 10'

	AI	56,439 sf	BERM MIX A	
	Cp2	3,909	Artemisia ludoviciana / White Sagebrush	seed
	Fv	5,213	Comptonia peregrina / Sweet Fern	seed
	Si	1,303	Fragaria virginiana / Wild Strawberry	seed
		15,640	Schizachyrium scoparium / Little Bluestem	seed
		7,094 sf	BERM MIX B	
	Ca	981	Carex albicans / White-tinged Sedge	plug
	Gm2	654	Geranium maculatum / Spotted Geranium	plug
	Pa2	1,635	Polystichum acrostichoides / Christmas Fern	plug
		5,606 sf	STORMWATER SWALE SEDGE MIX	
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	Iv	518	Iris versicolor / Blue Flag	plug
	To2	518	Tradescantia ohiensis / Ohio Spiderwort	plug
		4,976 sf	WETLAND EMERGENT MIX	
	As2	460	Alisma subcordatum / American Water Plantain	seed
	Ch	230	Calamagrostis canadensis / Bluejoint Grass	seed
	Ch	690	Carex hystericina / Porcupine Sedge	seed
	Iv2	690	Iris versicolor / Blue Flag	seed
	Mr	230	Mimulus ringens / Monkeyflower	seed
		64,747 sf	SELECTIVE INVASIVES REMOVAL & ENHANCEMENT AREA	
		3,805 sf	STORMWATER POND	
		12,361 sf	SEDE MEADOW MIX	
	Bc2	1,142	Bromus ciliatus / Fringed Brome	seed
	Cc3	1,142	Carex comosa / Longhair Sedge	seed
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**Sub-Zero Corporate
Conference Center**

2840 Commerce Park Dr.
Fitchburg, Wisconsin
2022.32.00

Saiki Project #: 2023-020

DATE	ISSUANCE/REVISIONS
02/20/2024	ARCHITECTURAL DESIGN REVIEW SUBMITTAL

**PLANTING PLAN
ENLARGEMENT**

L201

Sub-Zero Corporate Conference Center

2840 Commerce Park Drive
Fitchburg, Wisconsin
2022.32.00

February 20, 2024 Architectural Design Review Submittal

Drawing Index

C = Issued for Construction
B = Issued for Bidding
R = Issued for Reference Only

DWG #	DRAWING TITLE
CD01	COVER DRAWING

GENERAL	
C100	SITE PLAN - OVERALL
C101	SITE PLAN - DETAIL
C102	SITE PLAN - DETAIL
C200	GRADING AND EROSION CONTROL
C201	DETAILED GRADING PLAN - WEST
C202	DETAILED GRADING PLAN - CENTRAL
C203	DETAILED GRADING PLAN - EAST
C300	UTILITY PLAN
C400	DETAILS
C500	DRIVE PROFILE

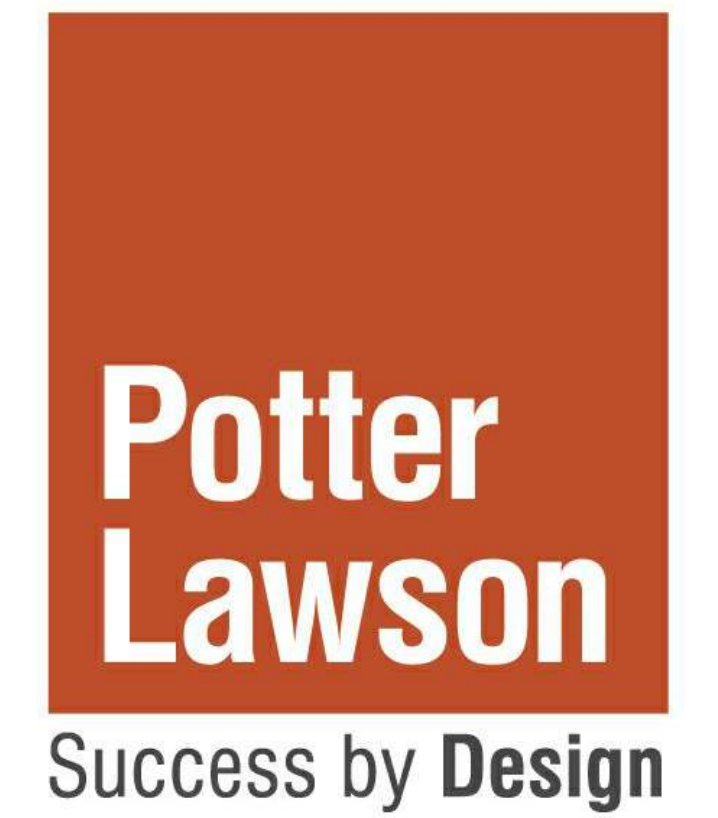
LANDSCAPE	
L100	OVERALL LANDSCAPE PLAN
L101	LANDSCAPE PLAN ENLARGEMENT
L102	OVERALL PLANTING PLAN
L201	PLANTING PLAN ENLARGEMENT

ARCHITECTURAL	
A101	BASEMENT FLOOR PLAN
A102	FIRST FLOOR PLAN
A103	SECOND FLOOR PLAN
A104	ROOF PLAN
A211	WINDOW TYPES AND ENLARGED GLAZING
A251	BUILDING ELEVATIONS
A252	BUILDING ELEVATIONS
A261	PERSPECTIVES
A262	PERSPECTIVES
A263	PERSPECTIVES
A264	MATERIALS

LIGHTING	
LD-101	LIGHTING PLAN

ZONING INFORMATION		
Project Name	Sub-Zero Corporate Conference Center Potter Lawson Project No. 2022.32.00	
Location	2840 Commerce Park Drive	
Project Type	New Construction, Conference Event Space	
Description	2 story conference event building with underground parking and outdoor terrace with covered pergola and surface parking. A stand alone storage shed will accompany the development and will utilize a pre-engineered metal structure that sits on a slab on grade. The conference event building structure utilizes cast in place concrete foundation walls with conventional spread footings at the parking level. Floor systems consist of steel beams and a composite decking with a concrete topping. Roof systems consist of glulam truss with SIP panel roof system.	
General Zoning Information		
ITEM	INFORMATION	REMARKS
Current Zoning	I-G: General Industrial District	
Proposed Zoning	I-G General Industrial District	
Dimensional Standards		
Min Lot Area	20,000 sf	Minimum is met
Min Lot Width	100 feet	Minimum is met
Min Front Yard Setback	30 feet	Minimum is met
Min Side Yard Setback	10 feet	Minimum is met
Min Side Street Setback	20 feet	Minimum is met
Min Rear Setback	15 feet	Minimum is met
Max Building Height	42 feet	Max building height - 38'-8"
Max Lot Area Coverage	70 percent	Development is under max coverage limit
Min Open Space	10 percent	Development exceeds min open space

CODE INFORMATION		
General Code Information		
ITEM	INFORMATION	REMARKS
Design code(s)	2018 Wisconsin Commercial Building Code	2015 International Building Code
Occupancy(ies)	Parking S-2 Assembly Group A-3 Business Group B Utility U-1	Separated mixed use Non-separated mixed use Storage Shed
Construction Type	Type II-B	
Risk Category	Type II	
Building height & no. of stories	2 stories	4 permitted for II-B
Building Height	38' - 8"	75' permitted for II-B
Fully Sprinkled?	Yes, per WBCB 903.3.1.1	Storage shed will not be sprinkled
Building Areas		
ITEM	ALLOWABLE AREA / FLOOR; NO. OF STORIES	ACTUAL AREA / FLOOR; NO. OF STORIES
Construction Type		
Type II-B	89,000 GSF; 4 stories	11,166 GSF (Basement - Not Counted) 10,467 GSF (1st Floor) 4,861 GSF (2nd Floor) 1,500 GSF (1st Floor - Storage Shed)
		Total Building Area = 15,328 GSF (Conference Building) Total Building Area = 1,500 GSF (Storage Shed)



Architect:
749 University Row Suite 300
Madison, WI 53705
608-274-2741

PRELIMINARY
NOT FOR CONSTRUCTION

Sub-Zero Corporate Conference Center

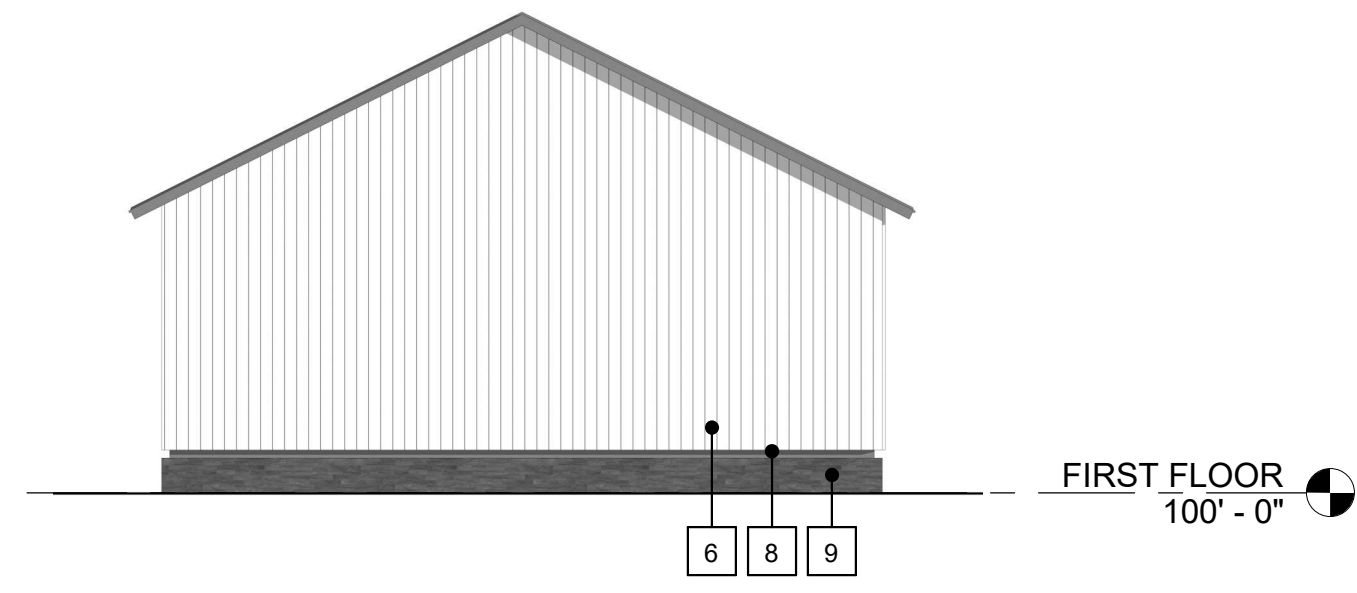
2840 Commerce Park Drive
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2022.32.00

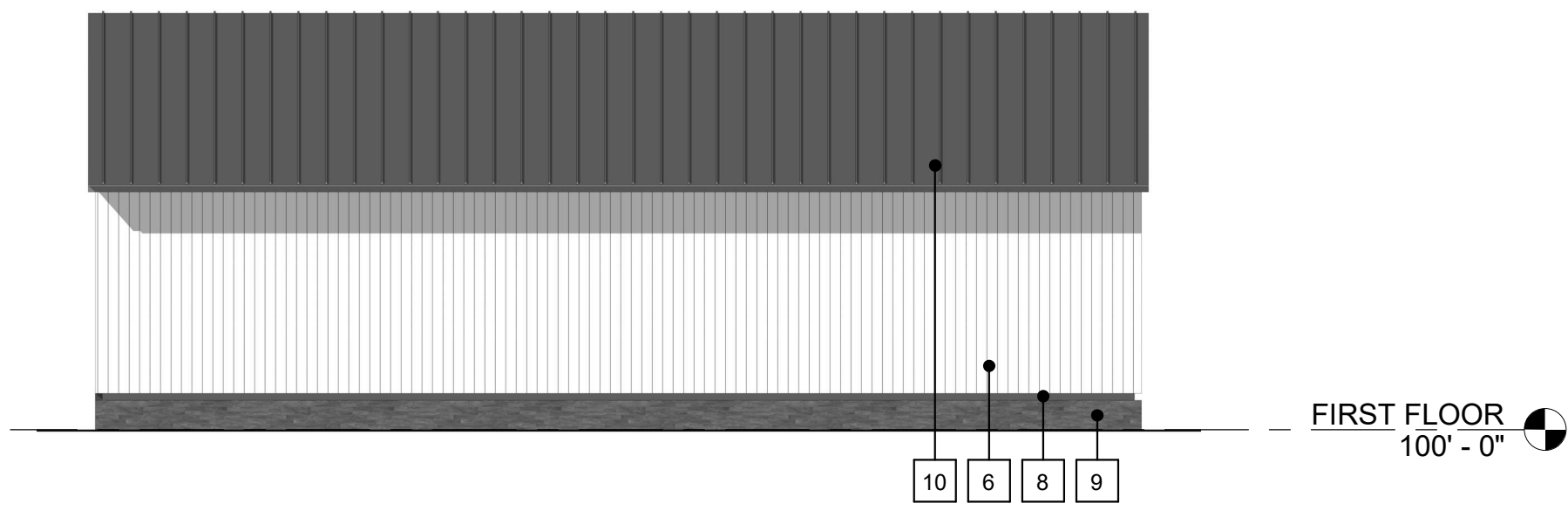
DATE: 02/20/2024
ISSUANCE/REVISIONS: ARCHITECTURAL DESIGN REVIEW SUBMITTAL

COVER DRAWING

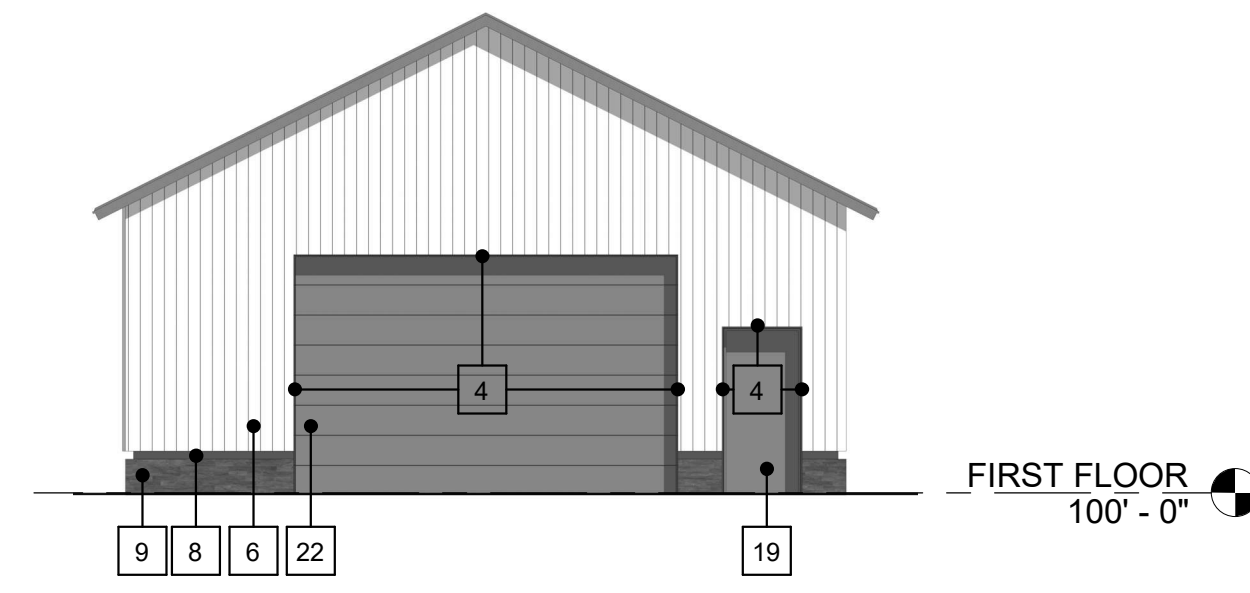
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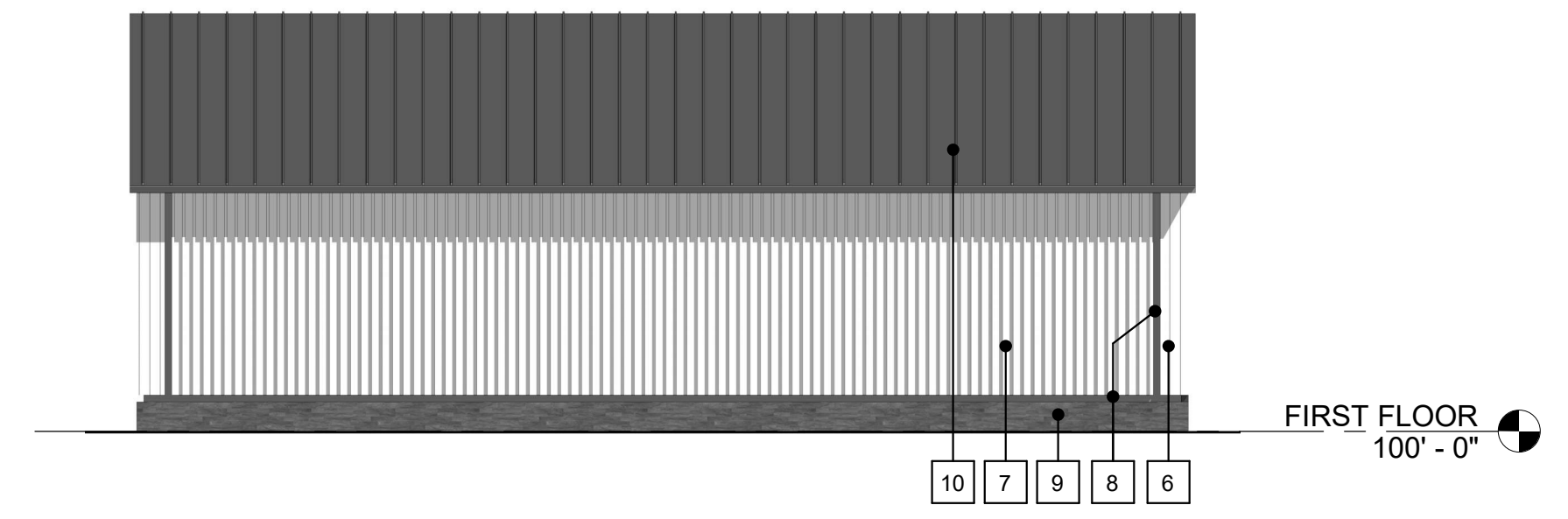
4 NORTH ELEVATION - SHED
A252 1/8" = 1'-0"



3 EAST ELEVATION - SHED
A252 1/8" = 1'-0"



2 SOUTH ELEVATION - SHED
A252 1/8" = 1'-0"



1 WEST ELEVATION - SHED
A252 1/8" = 1'-0"

ELEVATION KEYNOTES

- 1 BLACK ANODIZED ALUMINUM WINDOW WALL SYSTEM
- 2 BLACK ANODIZED ALUMINUM CURTAIN WALL SYSTEM
- 3 BLACK ANODIZED ALUMINUM ACCENT MULLION CAP
- 4 BLACK ANODIZED ALUMINUM ACCENT FRAME
- 5 BLACK ANODIZED ALUMINUM STOREFRONT ENTRY SYSTEM
- 6 TONGUE AND GROOVE HARDWOOD SIDING
- 7 BOARD AND BATTEN HARDWOOD SIDING
- 8 HARDWOOD REVEAL
- 9 STONE VENEER W/ STONE CAP
- 10 ZINC STANDING SEAM METAL ROOF
- 11 CONCEALED FASTENER METAL FASCIA
- 12 STEEL TUBE COLUMN - GALVANIZED, PRIMED AND PAINTED
- 13 COVERED WALKWAY
- 14 DETACHED COVERED PERGOLA
- 15 GLASS GUARDRAIL
- 16 CABLE GUARDRAIL
- 17 SKYLIGHT
- 18 HIGH SPEED OVERHEAD COILING GARAGE DOOR
- 19 HOLLOW METAL DOOR
- 20 FIRE PIT AREA
- 21 STONE RETAINING WALL
- 22 SECTIONAL GARAGE DOOR

Sub-Zero Corporate Conference
Center

2840 Commerce Park Drive
Fitchburg, Wisconsin

2022.32.00

DATE	ISSUANCE/REVISIONS
02/20/2024	ARCHITECTURAL DESIGN REVIEW SUBMITTAL

**BUILDING
ELEVATIONS**

A252



South Perspective



South Perspective



East Perspective



East Perspective



West Perspective - Shed

PRELIMINARY
NOT FOR CONSTRUCTION

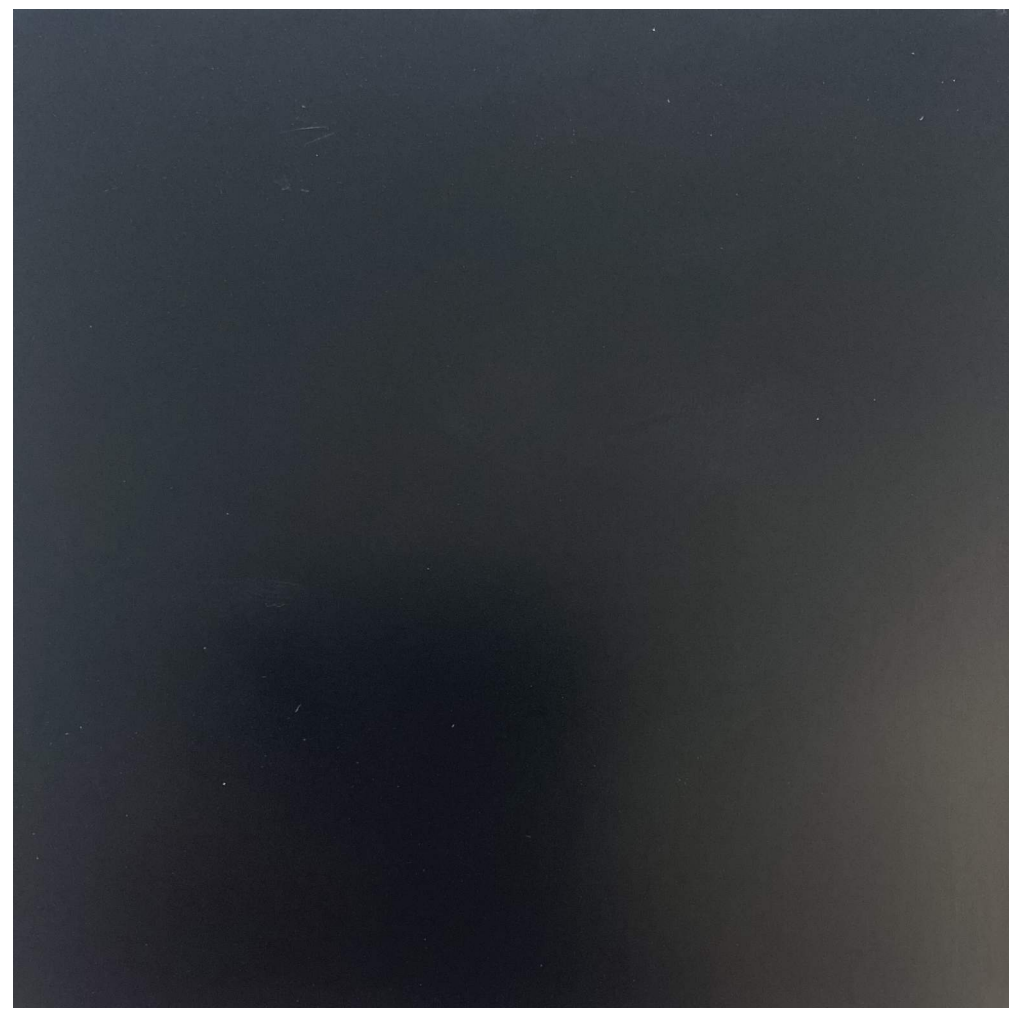
Sub-Zero Corporate Conference
Center

2840 Commerce Park Drive
Fitchburg, Wisconsin

2022.32.00

DATE	ISSUANCE/REVISIONS
02/20/2024	ARCHITECTURAL DESIGN REVIEW SUBMITTAL

PERSPECTIVES



1. Black Anodized Aluminum



2. Clear Low-E Coated Glazing



3. Stone Veneer



4. Hardwood Veneer



5. Zinc Standing Seam Roof

VMZINC

QUARTZ-ZINC



North Perspective - Conference Center

2 1 5 4 3

2 1

2 1

2 3

2 4



West Perspective - Storage Shed

3 4 5

PRELIMINARY
NOT FOR CONSTRUCTION

Sub-Zero Corporate Conference
Center

2840 Commerce Park Drive
Fitchburg, Wisconsin

2022.32.00

DATE ISSUANCE/REVISIONS
02/20/2024 ARCHITECTURAL DESIGN REVIEW SUBMITTAL

MATERIALS

A264

JOB NAME _____

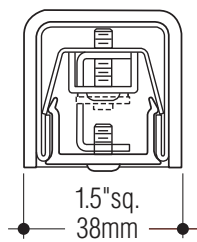
TYPE _____

CATALOG NUMBER _____

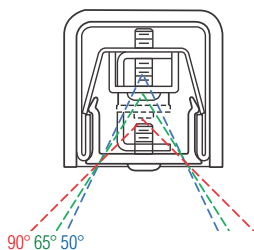
Formed Stainless Steel

1.50"

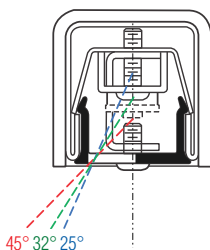
Dimensions



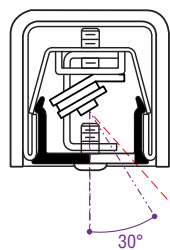
Symmetric



Asymmetric (-ASYM)

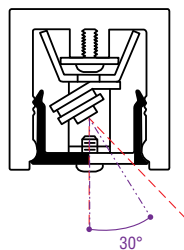
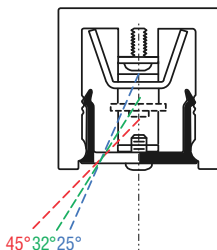
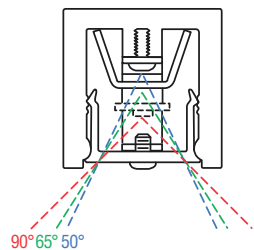
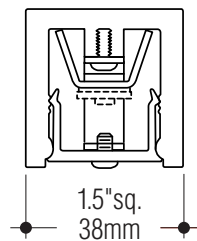


Asymmetric (-ASYM/30°)



Extruded Aluminum

1.50"



Lightrail - LR6

Construction

- Available in formed stainless steel with welded and blended joints for a seamless appearance or extruded aluminum
- The flat lens design minimizes visible brightness at sides and is available in clear or frosted
- Each rail is tailored to fit existing stairs, ramps, and walkways
- Aluminum rails supplied with a powder coat or anodized finish
- Stainless steel rails supplied with a #4 satin finish, passivated.

Electrical

- LED modules are 24 VDC constant voltage at 2.5 watts and 205 source lumens per foot. Available in 3000°K or 4000°K color temperatures. Beam spreads in 50°, 65°, and 90° patterns
- LEDs are configured to allow uninterrupted illumination
- Electrical feed locations are pre-determined at time of submittal
- Universal voltage LED drivers may be integral in the posts or railing (120V only), or may be remote if required
- Dimmable drivers are available upon request

How to Specify

Every Lightrail is custom designed and fabricated to your specific project conditions. Drawings will be submitted on each project requesting specific dimensions to assure proper fit. Plans and elevation drawings are required for pricing and submittal drawing production.

1. Submit catalog number, options, and voltage; (example: LR6P-LED-SS/1.9-INT-277).
2. Add special features and requirements necessary to complete specification.

Catalog Number	Stainless Steel (-SS)	Aluminum (-AL)
Post mounted, integral driver	<input type="checkbox"/> LR6P-LED-SS-INT	<input type="checkbox"/> LR6P-LED-AL-INT
Post mounted, remote driver	<input type="checkbox"/> LR6P-LED-SS-REM	<input type="checkbox"/> LR6P-LED-AL-REM
Wall mounted, integral driver	<input type="checkbox"/> LR6W-LED-SS-INT	<input type="checkbox"/> LR6W-LED-AL-INT
Wall mounted, remote driver	<input type="checkbox"/> LR6W-LED-SS-REM	<input type="checkbox"/> LR6W-LED-AL-REM

Options

Ends: Add suffix. Miter -ME. Loop -LE.

Hook -HE.

Baseplate: Nominal 4" diameter or 4" square baseplate + four mounting holes. Add suffix -BP.

Escutcheon: Add suffix -ES.

Frosted lens: (clear diffuser std.).

Add suffix -FL.

Emergency battery: Provides up to 90 min. operation (remote only). Add suffix -EM.

Asymmetric distribution: 50% opaque lens (not available on all models). Add suffix -ASYM.

4100°K Color temperature: (3000°K standard).

Add suffix -4K.

Beam spread: (90° standard).

65°, Add suffix -65.

50°, Add suffix -50.

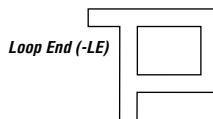
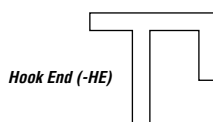
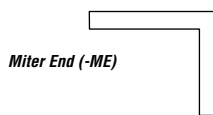
Dimming: Universal voltage 0-10V driver.

Add suffix -DIM.

Color: FWC Turtle compliant, 590 nm, Amber.

Add suffix -AMB.

LR6 End Treatments



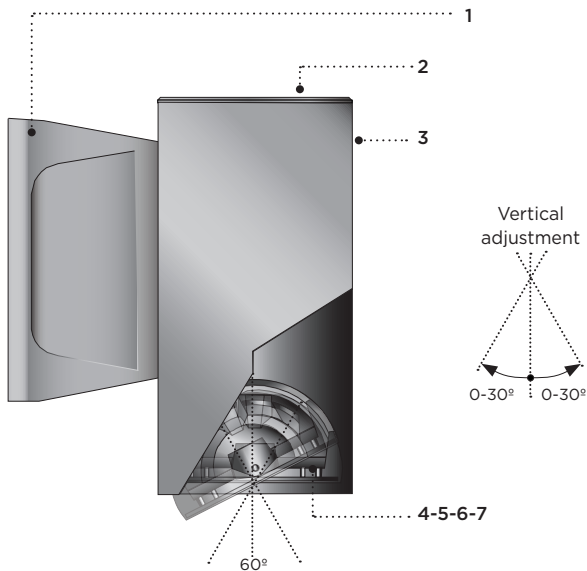
C.W. Cole & Company, Inc.
 2560 Rosemead Boulevard
 South El Monte, CA 91733-1593

Tel. (626) 443-2473
 Fax (626) 443-9253
 info@colelighting.com
www.colelighting.com

TYPE: _____ QUANTITY: _____ PROJECT: _____

CATALOG NUMBER:

FIXTURE SUFFIX REFLECTOR VOLTAGE FINISH OPTION OPTION OPTION



- 1- Cast aluminum driver housing. Includes galvanized steel wall mount pressure plate.
- 2- Cast aluminum ventilated top cover.
- 3- Seamless extruded aluminum housing.
- 4- Fully sealed cast aluminum up or down light assembly.
- 5- Sealed cast aluminum lens frame.
- 6- Clear tempered glass lens.
- 7- Faceted specular aluminum reflector.

SQ600



All stainless steel hardware.

Syrios Square light module is designed with a tilting mechanism allowing forward and back light adjustability. The $\pm 30^\circ$ directional module allows to aim the light beam in the desired direction, without disturbing the luminaire mounting. The module can be secured using the built in locking mechanism.



Other adjustment factory set positions are available. Please consult factory.

MATERIALS

Syrios Square is made of corrosion resistant 356 aluminum alloy with a copper (CU) content of less than 0.1%. The main housing is made of seamless extruded aluminum, with an integrally sealed LED light module designed for optimal heat dissipation, and lighting performance. Syrios Square is standard with a unique proprietary design allowing the sealed LED module to tilt within the housing. The top cast aluminum cover includes ventilation slots allowing air circulation and cooling of assembly. Syrios Square SQ600 series is standard with 30° optic. See options section for alternate selection.

ELECTRICAL

DRIVER Standard driver is 0-10V dimming-ready (dims to 10%) with: 120-277 multi-volt compatibility (50-60Hz), operating temperature range of -40°C/-40°F to 55°C/131°F, output over voltage protection, output over current protection and output short circuit protection with auto-recovery.

LED Standard 4000K/80CRI. Optional 2700K, 3000K & 3500K. Optional Amber LED for turtle sensitive areas. Wavelengths: 584.5nm to 597nm.

LIFE

60,000hrs $L_{70}B_{50}$ (based on IESNA TM-21 Test Method and LM-80 data). Up to 70,000hrs $L_{70}B_{50}$ (calculated projection from LM-80 data).

FINISH

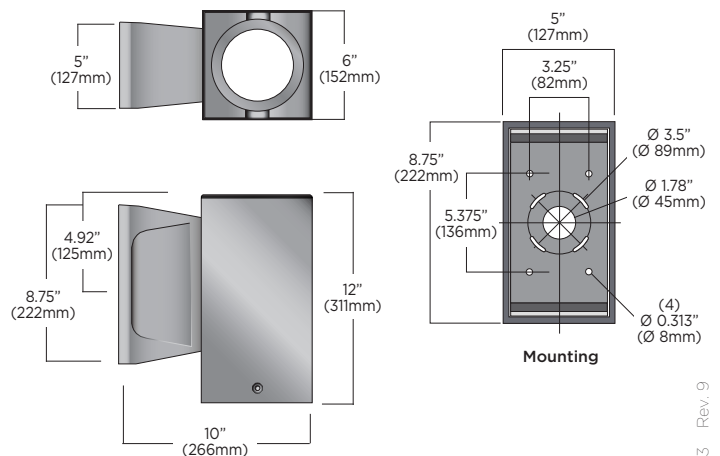
Five-stage preparation process includes preheating of cast aluminum parts for air extraction. Polyester powder coating is applied through an electrostatic process, and oven cured for long term finish.

MOUNTING


Maximum weight: 9.5 lbs (4.3 kg)
The mounting plate is designed to fit on a 4" (102mm) octagonal electrical box using 3.5" (89mm) C/C mounting holes. Additional mounting holes are provided as per site requirements.

CERTIFICATION

Certified and approved as per CSA C22.2 No.: 250.0 standard and ANSI/UL 1598 standard, for wet location. Rated IP66.



LUMINAIRE SELECTION

1 MODEL#  <input type="checkbox"/> SQ600	2 LED LIGHT SELECTION <table border="1"> <thead> <tr> <th>SUFFIX</th> <th>DELIVERED LUMENS</th> <th>INPUT WATTS</th> <th>CRI</th> <th>CCT °K</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> L1L15</td> <td>1599</td> <td>15W</td> <td>80</td> <td>4000</td> </tr> <tr> <td><input type="checkbox"/> L1L25</td> <td>2543</td> <td>26W</td> <td>80</td> <td>4000</td> </tr> <tr> <td><input type="checkbox"/> L1L40</td> <td>4102</td> <td>48W</td> <td>80</td> <td>4000</td> </tr> <tr> <td colspan="5">AMBER LED</td> </tr> <tr> <td><input type="checkbox"/> L1L3K2A</td> <td>263</td> <td>11W</td> <td>AMBER</td> <td></td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="5">VERY NARROW DISTRIBUTION</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> L1L20NR</td> <td>1690</td> <td>31W</td> <td>80</td> <td>4000</td> </tr> </tbody> </table>	SUFFIX	DELIVERED LUMENS	INPUT WATTS	CRI	CCT °K	<input type="checkbox"/> L1L15	1599	15W	80	4000	<input type="checkbox"/> L1L25	2543	26W	80	4000	<input type="checkbox"/> L1L40	4102	48W	80	4000	AMBER LED					<input type="checkbox"/> L1L3K2A	263	11W	AMBER		VERY NARROW DISTRIBUTION					<input type="checkbox"/> L1L20NR	1690	31W	80	4000	3 REFLECTORS* <input type="checkbox"/> R15 Narrow optics 15° <input type="checkbox"/> R30 Flood optics 30° (standard) <input type="checkbox"/> R55 Wide flood optics 52° <small>*Depending on direction fixture is installed add U (for uplight) or D (for downlight) to suffix for all reflectors listed above. (i.e. R55U is 52° uplight)</small> <input type="checkbox"/> R9 Very narrow optics 9° Field angle 18° (46,151 candela)	4 VOLTAGE <input type="checkbox"/> 120V <input type="checkbox"/> 277V Optional <input type="checkbox"/> 347V ⁴	5 FINISH STANDARD COLORS* <input type="checkbox"/> WHT Snow white <input type="checkbox"/> BKT Jet black <input type="checkbox"/> BZT Bronze <input type="checkbox"/> MST Matte silver <input type="checkbox"/> GRT Titanium gray <input type="checkbox"/> DGT Gun metal <input type="checkbox"/> CHT Champagne <input type="checkbox"/> SGT Steel gray <input type="checkbox"/> BGT English cream OPTIONAL COLORS <input type="checkbox"/> CS Custom color <input type="checkbox"/> RAL RAL# color ENVIRONMENT <input type="checkbox"/> MG Marine grade ⁸ <input type="checkbox"/> NT Natatorium ⁹ <small>*Refer to color chart</small>
SUFFIX	DELIVERED LUMENS	INPUT WATTS	CRI	CCT °K																																								
<input type="checkbox"/> L1L15	1599	15W	80	4000																																								
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VERY NARROW DISTRIBUTION																																												
<input type="checkbox"/> L1L20NR	1690	31W	80	4000																																								

OPTIONS

ELECTRICAL

- FS** Fuse
- PH** Photocell¹
- MS** PIR motion sensor (Device is located at bottom of luminaire wall box)³
- REML2-50** 7W remote emergency battery backup for LED, 90 min. Remote mount 50ft - 12" (305mm) square enclosure with access cover²

LIGHT & OPTICS

Alternate CCT °K LED (LCF: Lumen conversion factor)

- K27** 2700K CCT 80 CRI (LCF: 0.91)⁵
- K3** 3000K CCT 80 CRI (LCF: 0.94)
- K35** 3500K CCT 80 CRI (LCF: 0.983)⁵
- AR180** Light module with side to side adjustment

FAUX WOOD COLORS⁶

- | | |
|--|--|
| <input type="checkbox"/> ADG American douglas | <input type="checkbox"/> MPL Maple |
| <input type="checkbox"/> BRC Birch | <input type="checkbox"/> OFL Oak |
| <input type="checkbox"/> CHN Chestnut | <input type="checkbox"/> RSW Rosewood |
| <input type="checkbox"/> CRY Cherry | <input type="checkbox"/> TEK Teak |
| <input type="checkbox"/> KNP Knotty pine | <input type="checkbox"/> WLN Walnut |

ACCESSORIES

- HL** Hexcell louver
- SL** Solite lens (light loss factor [LLF]: 0.9)
- LSL** Linear spread lens (Asymmetric lens distribution is achieved when light module is tilted)

MOUNTING

- SWK** Adaptor box for surface 3/4" conduit feed (4 sides plus back entry)
- UP** Option required for uplight installation
- UH** Uniform height matching SQ602⁷

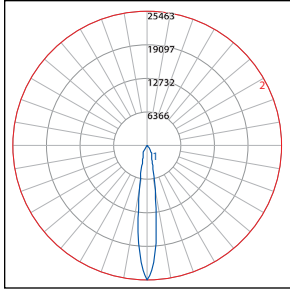


For IDA certification compliance, luminaire must be ordered with 3000K or warmer.

NOTES

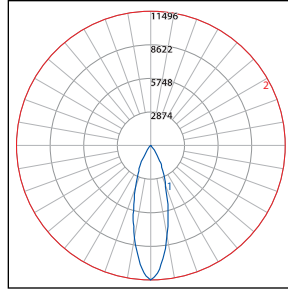
- 1- Photocell (PH) not available with REML2-50 option.
- 2- The remote enclosure must be interior.
- 3- PIR motion sensor (MS) not available with REML2-50 option.
- 4- 347V not compatible with Amber LED L1L3K2A.
- 5- K27 and K35 options not available with the R9 optics.
- 6- Faux wood finish not applied to driver housing, lens frame or accessories.
- 7- For UH with AR180 consult factory.
- 8- For harsh, coastal environment and exposure to salt water. Longer lead time may apply please contact factory for info.
- 9- Only available in WHT and BKT.

TYPICAL PHOTOMETRY SUMMARY



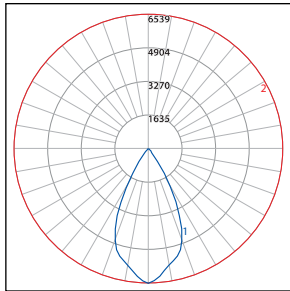
Descriptive information

SQ600-L1L40-R15
 Total Lms: 3998 lumens
 Total input watts: 48 W
 Efficacy: 83 Lumens/Watt
 BUG: B3-UO-GO
 CCT/CRI: 4000K/80
 Maximum candela: 25463 @ 0°



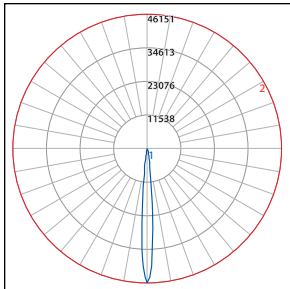
Descriptive information

SQ600-L1L40-R30
 Total Lms: 4102 lumens
 Total input watts: 48 W
 Efficacy: 85 Lumens/Watt
 BUG: B3-UO-GO
 CCT/CRI: 4000K/80
 Maximum candela: 11496 @ 0°



Descriptive information

SQ600-L1L40-R55
 Total Lms: 4369 lumens
 Total input watts: 48 W
 Efficacy: 91 Lumens/Watt
 BUG: B3-UO-GO
 CCT/CRI: 4000K/80
 Maximum candela: 6539 @ 0°



Descriptive information

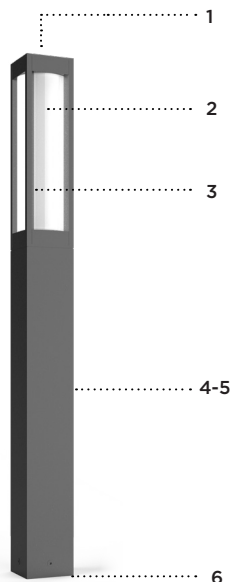
SQ600-L1L20NR-R9
 Total Lms: 1690 lumens
 Total input watts: 31 W
 Efficacy: 55 Lumens/Watt
 BUG: B2-UO-GO
 CCT/CRI: 4000K/80
 Maximum candela: 46151 @ 0°

Please visit our web site www.luminis.com for complete I.E.S. formatted download data.

TYPE: _____ QUANTITY: _____ PROJECT: _____

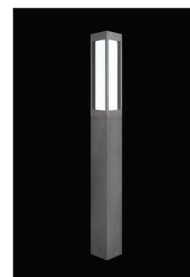
CATALOG NUMBER:

FIXTURE SUFFIX VOLTAGE FINISH OPTION OPTION OPTION OPTION

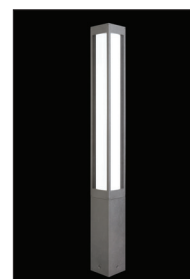


- 1- Heavy cast aluminum top cover.
- 2- Ø 4" (102mm) High impact white translucent acrylic diffuser UV stabilized. Available acrylic heights include 12" (305mm) and 24" (610mm).
- 3- 4x extruded aluminum struts.
- 4- Cast aluminum driver housing.
- 5- Ø 4" (102mm) extruded aluminum square body.
- 6- Cast aluminum mounting base.

LQ413

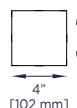


LQ423



MATERIALS

Lumiquad bollard is made of corrosion resistant 356 aluminum alloy with a copper (CU) content of less than 0.1%. LED is contained in a white UV stabilized high impact acrylic sealed cylinder. The assembly is designed to provide a uniform column illumination.



ELECTRICAL

DRIVER Standard driver is 0-10V dimming-ready (dims to 10%) with: 120-277 multi-volt compatibility (50-60Hz), operating temperatures of -40°C/-40°F to 55°C/131°F, output over voltage protection, output over current protection, output short circuit protection with auto-recovery.

LED 2700K/3000K/3500K/4000K CCT with 80 CRI. Optional RGBW.

LIFE

50,000hrs $L_{85B_{50}}$ (based on IESNA TM-21 Test Method and LM-80 data).

FINISH

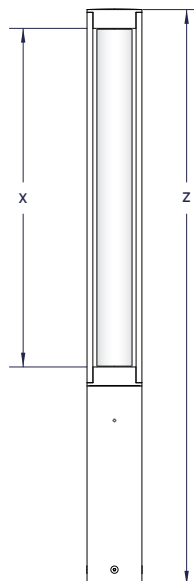
Five-stage preparation process includes preheating of cast aluminum parts for air extraction. Polyester powder coating is applied through an electrostatic process, and oven cured for long term finish.

CERTIFICATION

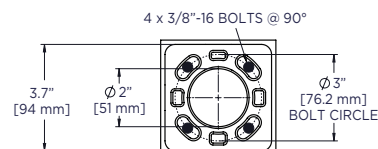
Certified and Approved as per CSA C22.2 No.: 250.0 standard and ANSI/UL 1598 standard, for wet location. Rated IP65. Photometric testing performed by an independent laboratory in accordance with IES LM-79-08 standards at 25°C. Lumen depreciation in accordance with IESNA LM80 standards.

MOUNTING

Mounts with a set of 4 x 3/8"-16 x 3 3/4" lg galvanized anchor bolts.

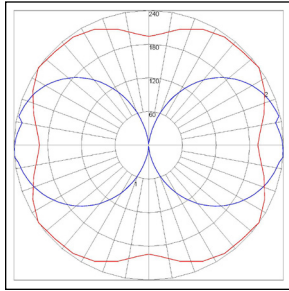


Model	X	(OAH) Z
LQ413	13" (322mm)	42" (1066mm)
LQ423	25" (627mm)	42" (1066mm)
LQ413 RGBW	14" (349mm)	43" (1094mm)
LQ423 RGBW	26" (654mm)	43" (1094mm)



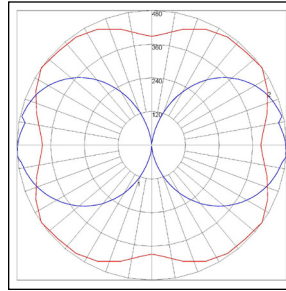
LQ413/LQ423 SERIES Lumiquad

TYPICAL PHOTOMETRY SUMMARY



Descriptive Information

LQ413-L4L20
 Total Lms: 2099 Lumens
 Total Input Watts: 20 W
 Efficacy: 105 Lumens/Watt
 BUG: B1-U4-G2
 CCT/CRI: 4000K/80
 Maximum Candela: 239 @ 37.5°H/85°V


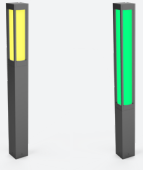


Descriptive Information

LQ423-L4L40
 Total Lms: 4198 Lumens
 Total Input Watts: 40 W
 Efficacy: 105 Lumens/Watt
 BUG: B1-U5-G3
 CCT/CRI: 4000K/80
 Maximum Candela: 477 @ 37.5°H/85°V

Please visit our web site www.luminis.com for complete I.E.S. formatted download data.

LUMINAIRE SELECTION

MODEL#	LED LIGHT SELECTION (4000K/80CRI)	VOLTAGE ¹	FINISH																				
 <input type="checkbox"/> LQ413 <input type="checkbox"/> LQ423 White LED	<table border="1"> <thead> <tr> <th>SUFFIX</th> <th>DELIVERED LUMENS</th> <th>INPUT WATTS</th> <th>LM / FT</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> L4L6</td> <td>857</td> <td>8</td> <td>857</td> </tr> <tr> <td><input type="checkbox"/> L4L9</td> <td>1064</td> <td>10</td> <td>1064</td> </tr> <tr> <td><input type="checkbox"/> L4L14</td> <td>1478</td> <td>15</td> <td>1478</td> </tr> <tr> <td><input type="checkbox"/> L4L20</td> <td>2099</td> <td>20</td> <td>2099</td> </tr> </tbody> </table>	SUFFIX	DELIVERED LUMENS	INPUT WATTS	LM / FT	<input type="checkbox"/> L4L6	857	8	857	<input type="checkbox"/> L4L9	1064	10	1064	<input type="checkbox"/> L4L14	1478	15	1478	<input type="checkbox"/> L4L20	2099	20	2099	<input type="checkbox"/> 120V <input type="checkbox"/> 277V Optional <input type="checkbox"/> 347V <input type="checkbox"/> 480V	STANDARD COLORS* <input type="checkbox"/> WHT Snow white <input type="checkbox"/> BKT Jet black <input type="checkbox"/> BZT Bronze <input type="checkbox"/> MST Matte silver <input type="checkbox"/> GRT Titanium gray <input type="checkbox"/> DGT Gun metal <input type="checkbox"/> CHT Champagne <input type="checkbox"/> SGT Steel gray <input type="checkbox"/> BGT English cream OPTIONAL COLORS <input type="checkbox"/> CS Custom color <input type="checkbox"/> RAL RAL# color *Refer to color chart
	SUFFIX	DELIVERED LUMENS	INPUT WATTS	LM / FT																			
<input type="checkbox"/> L4L6	857	8	857																				
<input type="checkbox"/> L4L9	1064	10	1064																				
<input type="checkbox"/> L4L14	1478	15	1478																				
<input type="checkbox"/> L4L20	2099	20	2099																				
<table border="1"> <tbody> <tr> <td><input type="checkbox"/> L4L12</td> <td>1271</td> <td>11</td> <td>636</td> </tr> <tr> <td><input type="checkbox"/> L4L18</td> <td>1921</td> <td>17</td> <td>961</td> </tr> <tr> <td><input type="checkbox"/> L4L28</td> <td>2956</td> <td>27</td> <td>1478</td> </tr> <tr> <td><input type="checkbox"/> L4L40</td> <td>4198</td> <td>40</td> <td>2099</td> </tr> </tbody> </table>	<input type="checkbox"/> L4L12	1271	11	636	<input type="checkbox"/> L4L18	1921	17	961	<input type="checkbox"/> L4L28	2956	27	1478	<input type="checkbox"/> L4L40	4198	40	2099							
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<input type="checkbox"/> L4L40	4198	40	2099																				
 <input type="checkbox"/> LQ413 <input type="checkbox"/> LQ423 RGBW LED (color for ref. only)	RGBW SELECTION (CONTROLLED WITH DMX/RDM)⁵ <table border="1"> <thead> <tr> <th>SUFFIX</th> <th>DELIVERED LUMENS</th> <th>INPUT WATTS</th> <th>LM / FT</th> </tr> </thead> <tbody> <tr> <td>LQ413 <input type="checkbox"/> L4RGBW</td> <td>1322</td> <td>21</td> <td>1322</td> </tr> <tr> <td>LQ423 <input type="checkbox"/> L4RGBW</td> <td>2110</td> <td>30</td> <td>1055</td> </tr> </tbody> </table> <p>Note: Values are for total delivered lumens. For individual maximum output values, refer to page 3. White CCT is 4000K & 80CRI.</p>	SUFFIX	DELIVERED LUMENS	INPUT WATTS	LM / FT	LQ413 <input type="checkbox"/> L4RGBW	1322	21	1322	LQ423 <input type="checkbox"/> L4RGBW	2110	30	1055										
	SUFFIX	DELIVERED LUMENS	INPUT WATTS	LM / FT																			
LQ413 <input type="checkbox"/> L4RGBW	1322	21	1322																				
LQ423 <input type="checkbox"/> L4RGBW	2110	30	1055																				

OPTIONS

ELECTRICAL

- FS Fuse
- SP Surge protector 10KV
- PH Photocell
- REML2-50 Remote mount battery backup (7W / 90 min.)
Remote mount to 50ft. 12" square enclosure with access cover.³

ACCESSORIES

- GFI Ground fault circuit interruption flush receptacle (LQ413 only)²
- CGF Ground fault circuit interruption with clear in-use cover (LQ413 only)²
- BLC Blockout shield (specify which side)
- DECO1 Decorative shroud
- DECO2 Decorative shroud

LIGHT

Alternate CCT °K LED (LCF: Lumen conversion factor)

- K27 2700K CCT 80 CRI (LCF: 0.91)
 - K3 3000K CCT 80 CRI (LCF: 0.94)
 - K35 3500K CCT 80 CRI (LCF: 0.98)
 - K4 4000K CCT 80 CRI (LCF: 1.00)
- NOTE: Other CCT & higher CRI available, please consult factory.

FAUX WOOD COLORS⁶

- | | |
|---|---------------------------------------|
| <input type="checkbox"/> ADG American douglas | <input type="checkbox"/> MPL Maple |
| <input type="checkbox"/> BRC Birch | <input type="checkbox"/> OFL Oak |
| <input type="checkbox"/> CHN Chestnut | <input type="checkbox"/> RSW Rosewood |
| <input type="checkbox"/> CRY Cherry | <input type="checkbox"/> TEK Teak |
| <input type="checkbox"/> KNP Knotty pine | <input type="checkbox"/> WLN Walnut |

NOTES

- 1- If no voltage is specified, luminaires are factory prewired by default for 120V. For other voltages, please specify with catalog number, or consult factory.
- 2- 120V required for GFI or CGF.
- 3- REML2-50 not compatible with PH.
- 4- OAH increases by 1" for RGBW models.
- 5- RGBW not available with 347V, 480V, PH, REML2-50.
- 6- Faux wood finish not applied to the fixture head or accessories.

LUMINIS®

LUMINIS | Toll free: 866.586.4647 Fax: 514.683.8872
 260 Labrosse, Pointe-Claire (QC) Canada H9R 5L5

LUMINIS.COM

Luminaires may be altered for design improvement or discontinued without prior notice.

LQ413/LQ423 SERIES Lumiquad

RGBW DETAILS


RGBW DMX

Total delivered lumens⁵

RGBW - DMX / RDM 4 channels

Users can generate any color by mixing the intensity of four independent red, green, blue and white channels.

Maximum output values



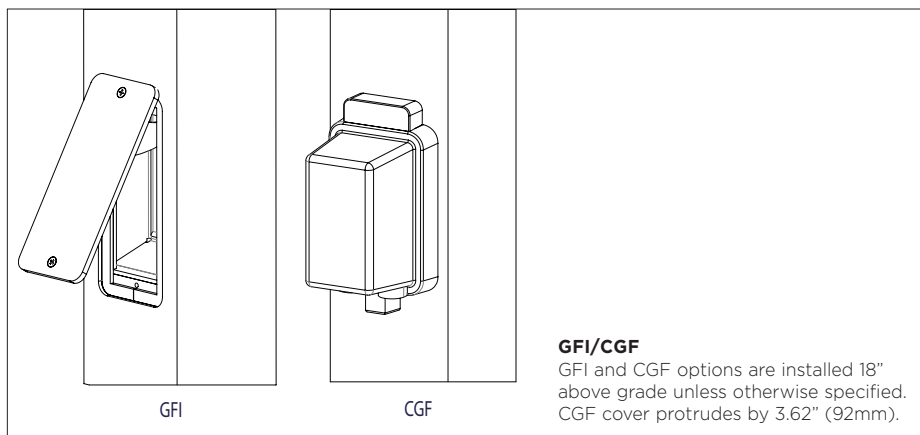
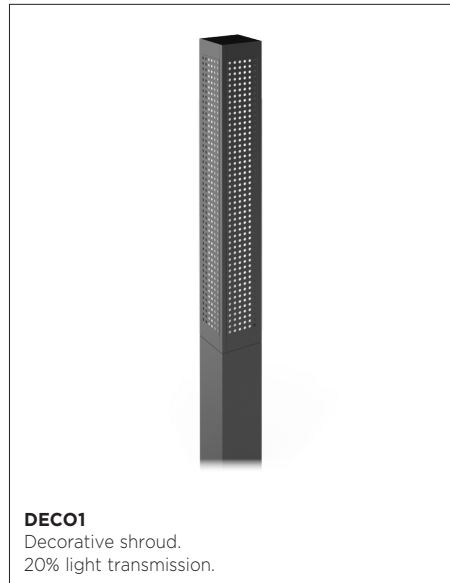
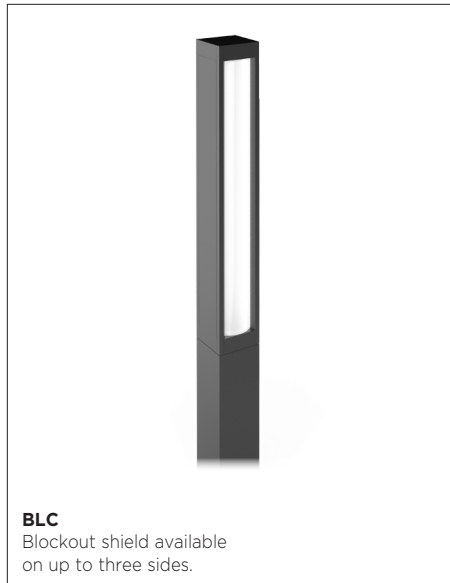
	WHITE 4000K			TOT RGB			TOT		
	W	lm	lm/ft	W	lm	lm/ft	W	lm	lm/ft
LQ413	5	689	689	16	633	633	21	1322	1322
LQ423	8	1053	527	22	1057	528	30	2110	1055

The fixtures will be delivered with the default address 1.

COLOR	R	G	B	W
CHANNEL	1	2	3	4

NOTE: Default factory settings.
Controller supplied by others.

ACCESSORIES



FEATURES & SPECIFICATIONS

INTENDED USE — Typical applications include corridors, lobbies, conference rooms and private offices.

CONSTRUCTION — Durable square metal reflectors retained by torsion springs.

Galvanized steel mounting/plaster frame; galvanized steel junction box with bottom-hinged access covers and spring latches.

Vertically adjustable mounting brackets with commercial bar hangers provide 3-3/4" total adjustment.

Two combination 1/2"-3/4" and four 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out). No. 12 AWG conductors, rated for 90°C.

Accommodates 12"-24" joist spacing.

Passive cooling thermal management for 25°C standard; high ambient (40°C) option available. Light engine and drivers are accessible from above or below ceiling.

Max ceiling thickness 1-1/2".

OPTICS — LEDs are binned to a 3-step MacAdam Ellipse; 80 CRI minimum. 90 CRI optional.

LED light source concealed with diffusing optical lens.

General illumination lighting with 1.0 S/MH and 55° cutoff to source and source image.

Self-flanged anodized reflectors in specular, semi-specular, or matte diffuse finishes. Also available in white and black painted reflectors.

UGR — UGR is zero for fixtures aimed at nadir with a cut-off equal to or less than 60deg, per CIE 117-1996 Discomfort Glare in Interior Lighting.

ELECTRICAL — Multi-volt (120-277V, 50/60Hz) 0-10V dimming drivers mounted to junction box, 10% or 1% minimum dimming level available.

0-10V dimming fixture requires two (2) additional low-voltage wires to be pulled.

LUMEN MAINTENANCE — 70% lumen maintenance at 60,000 hours. (L70/60,000 hours)

LISTINGS — Certified to US and Canadian safety standards. Wet location standard (covered ceiling). IP55 rated. ENERGY STAR® certified product. Drivers are RoHS compliant.

BUY AMERICAN ACT — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed.

Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

PERFORMANCE DATA

LDN4SQ 3500K AR LSS CRI80			
Nominal	Lumens	Wattage	Lm/W
500	432.5	5.7	75.3
750	620	8.6	72.1
1000	863	10.6	81.6
1500	1249	17.5	71.4
2000	1657	22.1	74.9
2500	2218	26.1	85.0
3000	2483	32.1	77.4
4000	3479	43.0	80.9

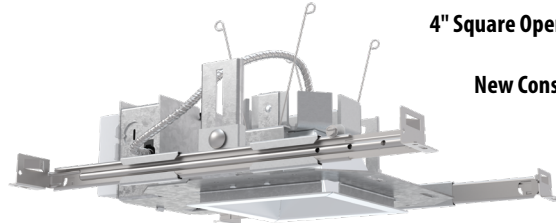
Notes

- Tested in accordance with IESNA LM-79-08.
- Tested to current IES and NEMA standards under stabilized laboratory conditions.
- CRI: 80 typical.

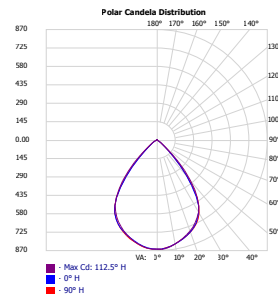


Catalog Number
Notes
Type

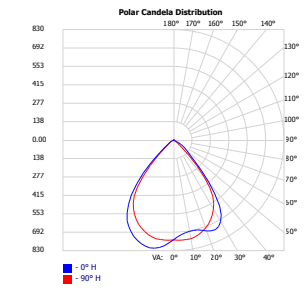
LDN4SQ STATIC WHITE



4" Square Open and Wallwash LED Non-IC New Construction Downlight



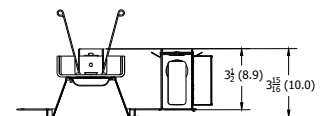
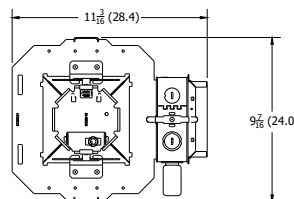
Open



Wallwash

DIMENSIONS

LDN4 500 - 1500 LUMENS



Aperture: 4-5/16" (11)
Ceiling Opening: 5-1/8" (13)
Overlap Trim: 5-7/16" (13.8)

See page 4 for other fixture dimensions

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: LDN4SQ 35/15 LS4 AR LSS MVOLT EZ1

LDN4SQ	Series	Color temperature	Lumens ‡	Trim Style	Trim Color	Trim Finish	Flange Color ‡	Voltage
LDN4SQ 4" square	27/ 2700K 30/ 3000K 35/ 3500K 40/ 4000K 50/ 5000K	05 500 lumens 07 750 lumens 10 1000 lumens 15 1500 lumens 20 2000 lumens 25 2500 lumens 30 3000 lumens 40 4000 lumens	LS4 Downlight LSW4 Wallwash	AR Clear WR ‡ White BR ‡ Black TCPC ‡ Custom painted trim TRALTB ‡ RAL painted trim	LSS Semi-specular LD Matte diffuse LS Specular	TRW White painted flange TRBL Black painted flange FCPC Custom painted flange only FRALTB RAL painted flange only	MVOLT Multi-volt 120 120V 277 277V 347 ‡ 347V	

Driver	Emergency ‡	Control Input ‡	Options
GZ10 0-10V driver dims to 10%	(blank) No Emergency Needed	(blank) No Control Input Needed	HAO ‡ High ambient option (40°C)
GZ1 0-10V driver dims to 1%	EL Battery pack (10W constant power), non-T20 compliant, integral test switch	JOT Wireless room control with "Just One Touch" pairing	CP ‡ Chicago Plenum
D10 Minimum dimming 10% driver for use with JOT	ELR Battery pack (10W constant power), non-T20 compliant, remote test switch	NPP16D nLight® network power/relay pack with 0-10V dimming for non-eldoLED drivers (GZ10, GZ1).	RRL___ RELOC®-ready luminaire connectors enable a simple and consistent factory installed option across all ABL luminaire brands. Refer to RRL for complete nomenclature. Available only in RRLA, RRLB, RRLAE, and RRLC12S.
D1 Minimum dimming 1% driver for use with JOT	ELSD Self-diagnostic battery pack (10W constant power), non-T20 compliant, integral test switch	NPP16DER nLight® network power/relay pack with 0-10V dimming for non-eldoLED drivers (GZ10, GZ1). ER controls fixtures on emergency circuit.	BAA Buy America(n) Act Compliant
EZ1 0-10V eldoLED driver with smooth and flicker-free deep dimming performance down to 1%	ELRSD Self-diagnostic battery pack (10W constant power), non-T20 compliant, remote test switch	NPS80EZ nLight® dimming pack controls 0-10V eldoLED drivers (EZ1).	90CRI High CRI (90+)
EDAB eldoLED DALI SOLDRIVE dim to dark	E10WCP Battery pack (10W constant power), T20 compliant, integral test switch	NPS80EZER nLight® dimming pack controls 0-10V eldoLED drivers (EZ1). ER controls fixtures on emergency circuit.	SF ‡ Single fuse
	E10WCPR Battery pack (10W constant power), T20 compliant, remote test switch	N80 nLight™ Lumen Compensation	
	E10WRSTAR Emergency battery pack, 10W with remote test switch and Iota STAR technology	NLTAIR2 nLight® Air enabled	
		NLTAIRER2 nLight® AIR Dimming Pack Wireless Controls. Controls fixtures on emergency circuit, not available with battery pack options	
		NLTAIREM2 nLight® AIR Dimming Pack Wireless Controls. UL924 Emergency Operation, via power interrupt detection. Available with battery pack options.	

‡ Option Value Ordering Restrictions

Option value	Restriction
Lumens	Overall height varies based on lumen package; refer to dimensional chart.
TRW, TRBL	Available with clear (AR) reflector only. Not available with finishes.
347	Not available with emergency options.
SF	Must specify voltage 120V or 277V.
EL, ELR, ELSD, ELRSD, E10WCP, E10WCPR	12.5" of plenum depth or top access required for battery pack maintenance.
NPP16D, NPP16DER, NPS80EZ, NPS80EZER	Specify voltage. ER for use with generator supply EM power. Will require an emergency hot feed and normal hot feed. See UL 924 Sequence of Operation table.
NLTAIR2, NLTAIRER2, NLTAIREM2	NLTAIR2, NLTAIRER2 and NLTAIREM2 not recommended for metal ceiling installations. See UL 924 Sequence of Operation table. Not available with CP, NPS80EZ, NPS80EZER, NPP16D, NPP16DER or N80 options.
N80	Fixture begins at 80% light level. Must be specified with NPS80EZ or NPS80EZ ER. Only available with EZ1 drivers.
HAO	Fixture height is 5-11/16" for all lumen packages with HAO.
CP	Must specify voltage for 3000lm. Not available with emergency battery pack option.
JOT	Must specify D10 or D1 driver. Not available with nLight options. Not available with CP. Not recommended for metal ceiling installation. Not for use with emergency backup power systems other than battery packs.
Reloc® Options	Refer to RRL specification sheet on acuitybrands.com for further details.
RRLAE	Commercial fixtures should disconnect the TSPL before unplugging the RRL so it does not go into discharge mode.
RRLC12S	RRLC12S option is to be used with the OnePass OCU, OCS, OD, OFC and OD for 0-24V integrated single-circuit or 0-10V low voltage controls applications. Not available with integral dimming sensors.
TRALTB, FRALTB	RALTB for pricing only. Replace with applicable RAL number and finish when ready to order. See the RAL BROCHURE for available color options.
TCPC, FCPC	CPC options for pricing only. Custom color chip needs to be sent in to your Customer Resolution specialist before order can be processed. Click HERE for more details
E10WRSTAR	Not available with wet location, EC1, EC6, QDS, CP, 347V, NPS80EZ ER, NLTAIRER2, NLTAIREM2, ALO3 & ALO4 w/DALI, OR 2000-4500 lumens w/JOT. Top access installation or 17.5" plenum clearance required for roomside installation. Not available with integral test switch

Emergency Battery Pack Options - Field Installable

Battery Model Number	Wattage	Runtime (Minutes)	Lumen Output* @ 120 Lumens/Watt	Other
ILB CP07 2H A	7W	120	840	Storm Shelter / 2 Hour Runtime
ILB CP10 A	10W	90	1200	
ILBLP CP10 HE SD A+	10W	90	1200	Title 20, Self Diagnostic
ILBLP CP15 HE SD A+	15W	90	1800	Title 20, Self Diagnostic
ILB CP20 HE A	20W	90	2400	Title 20
ILB CP20 HE SD A	20W	90	2400	Title 20, Self Diagnostic
ILBHI CP10 HE SD A+	10W	90	1200	347-480V AC Input, Title 20, Self Diagnostic
ILBHI CP15 HE SD A+	15W	90	1800	347-480V AC Input, Title 20, Self Diagnostic

All the above are UL Listed products that are certified for field install external/remote to the fixture.

*Minimum delivered lumen output to assist in product selection for increased fixture mounting height.

The CP10 delivered emergency illumination outperforms legacy 1400 lumen fluorescent emergency ballast.

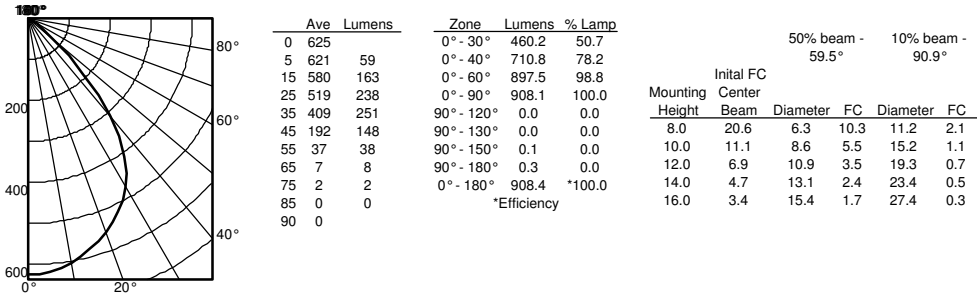
Please contact us at techsupport@iotaengineering.com for any Emergency Battery related questions.

LDN4SQ

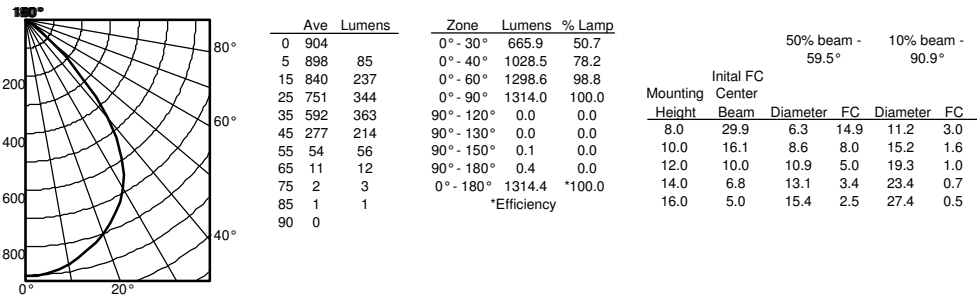
PHOTOMETRY

Distribution Curve Distribution Data Output Data Illuminance Data at 30" Above Floor for a Single Luminaire

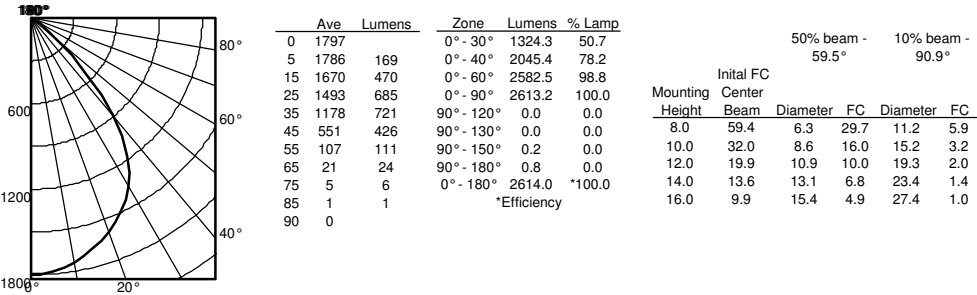
LDN4SQ 35/10 LS4AR, input watts: 10.58, delivered lumens: 908.4, LM/W = 85.86, spacing criterion at 0= 1.15, test no. ISF 35250P109



LDN4SQ 35/15 LS4AR, input watts: 17.5, delivered lumens: 1314.4, LM/W = 75.10, spacing criterion at 0= 1.15, test no. ISF 35250P114.



LDN4SQ 35/30 LS4AR, input watts: 32.1, delivered lumens: 2614.1, LM/W = 83.78, spacing criterion at 0= 1.15, test no. ISF 31036P129.



HOW TO ESTIMATE DELIVERED LUMENS IN EMERGENCY MODE

Use the formula below to estimate the delivered lumens in emergency mode

Delivered Lumens = 1.25 x P x LPW

P = Output power of emergency driver. P = 10W for PS1055CP

LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet.

The LPW rating is also available at Designlight Consortium.

LUMEN OUTPUT MULTIPLIERS - FINISH			
	Clear (AR)	White (WR)	Black (BR)
Specular (LS)	1.0	N/A	N/A
Semi-specular (LSS)	0.950	N/A	N/A
Matte diffuse (LD)	0.85	N/A	N/A
Painted	N/A	0.87	0.73

LUMEN OUTPUT MULTIPLIERS - CRI	
80	1.0
90	0.874

LUMEN OUTPUT MULTIPLIERS - CCT					
	2700K	3000K	3500K	4000K	5000K
80CRI	0.950	0.966	1.000	1.025	1.101

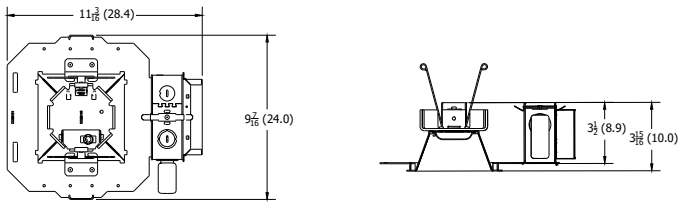
Notes

- Tested in accordance with IESNA LM-79-08.
- Tested to current IES and NEMA standards under stabilized laboratory conditions.
- CRI: 80 typical.

LDN4SQ

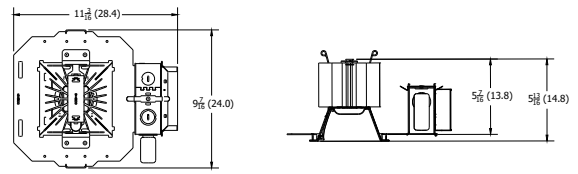
* All dimensions are inches (centimeters) unless otherwise noted.

LDN4 500 - 1500 LUMENS



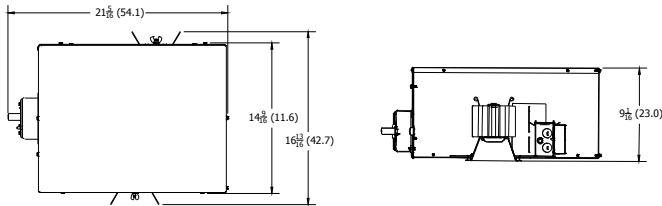
Aperture: 4-5/16" (11)
 Ceiling Opening: 5-1/8" (13)
 Overlap Trim: 5-7/16" (13.8)

LDN4 2000 - 3000 LUMENS



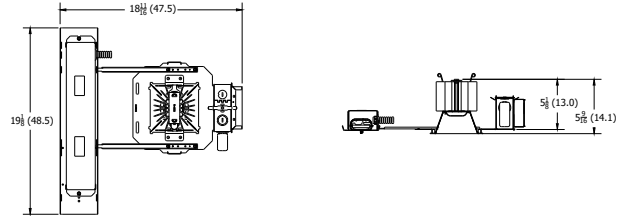
Aperture: 4-5/16" (11)
 Ceiling Opening: 5-1/8" (13)
 Overlap Trim: 5-7/16" (13.8)

LDN4 CP



Aperture: 4-5/16" (11)
 Ceiling Opening: 5-1/8" (13)
 Overlap Trim: 5-7/16" (13.8)

LDN4 EL



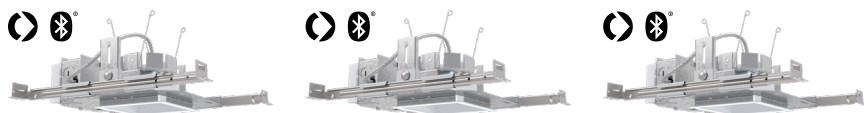
Aperture: 4-5/16" (11)
 Ceiling Opening: 5-1/8" (13)
 Overlap Trim: 5-7/16" (13.8)

ADDITIONAL DATA



The Sensor Switch JOT enabled solution offers a wireless, app-free approach to single room lighting control. JOT enabled products use Bluetooth® Low Energy (BLE) technology to enable wireless dimming and switching.

Diagram



LDN4SQ Series



Sensor Switch
WSKA JOT

- Power:** Install JOT enabled fixtures and controls as instructed.
- Pair:** Insert the pairing tool into the pinhole on the wall switch; press and hold any button for 6 seconds.
- Play:** Once paired, each fixture will individually dim down to 10% brightness. All products will be fully functional.

COMPATIBLE 0-10V WALL-MOUNT DIMMERS

MANUFACTURER	PART NO.	POWER BOOSTER AVAILABLE
Lutron®	Diva® DVTV	
	Diva® DVSTCTV	
	Nova T® NTFTV	
	Nova® NFTV	
Leviton®	AWSMT-7DW	CN100
	AWSMG-7DW	PE300
	AMRMG-7DW	
	Leviton Centura Fluorescent Control System	
	IllumaTech® IP7 Series	
Synergy®	ISD BC	RDMFC
	SLD LPCS	
	Digital Equinox (DEQ BC)	
Douglas Lighting Controls	WPC-5721	
Entertainment Technology	Tap Glide TG600FAM120 (120V)	
	Tap Glide Heatsink TGH1500FAM120 (120V)	
	Oasis 0A2000FAMU	
Honeywell	EL7315A1019	EL7305A1010 (optional)
	EL7315A1009	
HUNT Dimming	Preset slide: PS-010-IV and PS-010-WH	
	Preset slide: PS-010-3W-IV and PS-010-3W-WH	
	Preset slide, controls FD-010: PS-IFC-010-IV and PS-IFC-010-WH-120/277V	
	Preset slide, controls FD-010: PS-IFC-010-3W-IV and PS-IFC-010-3W-WH-120/277V	
	Remote mounted unit: FD-010	
Lehigh Electronic Products	Solitaire	PBX
PDM Electrical Products	WPC-5721	
Starfield Controls	TR61 with DALI interface port	RT03 DALInet Router
WattStopper®	LS-4 used with LCD-101 and LCD-103	

LDN45Q

EXAMPLE

Group Fixture Control*

*Application diagram applies for fixtures with eldoLED drivers only.

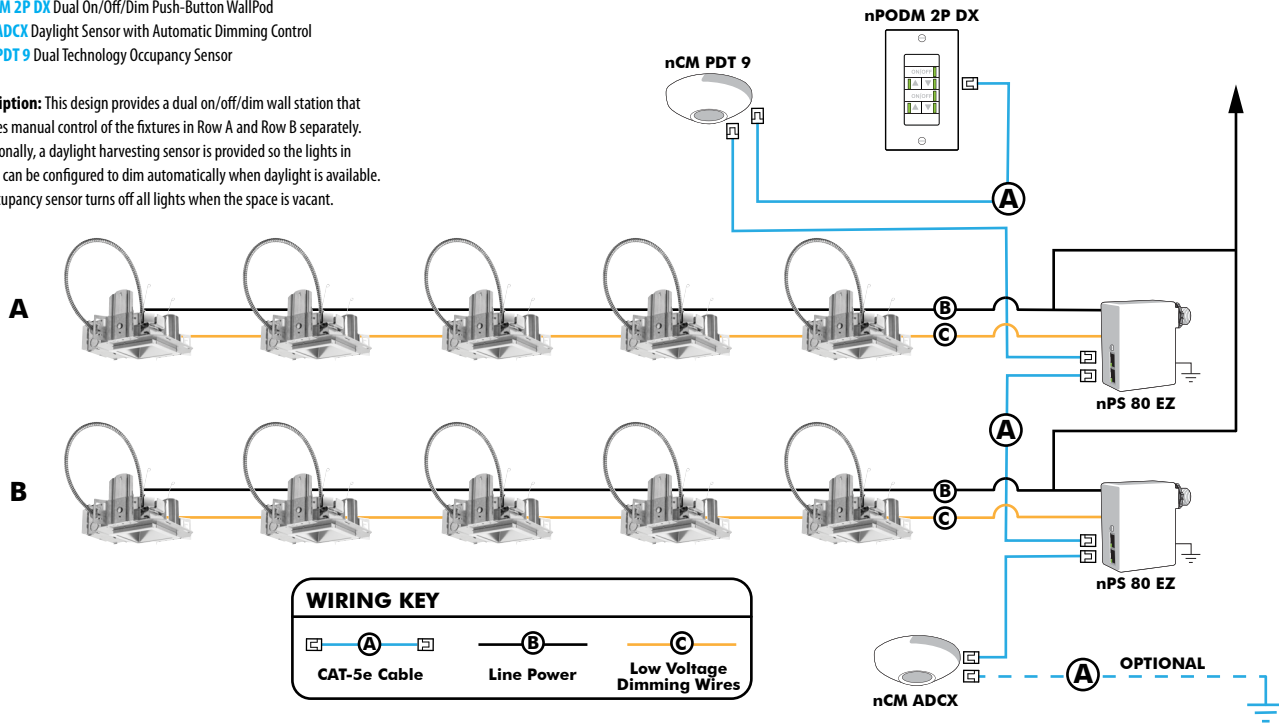
nPS 80 EZ Dimming/Control Pack (qty: 2 required)

nPODM 2P DX Dual On/Off/Dim Push-Button WallPod

nCM ADCX Daylight Sensor with Automatic Dimming Control

nCM PDT 9 Dual Technology Occupancy Sensor

Description: This design provides a dual on/off/dim wall station that enables manual control of the fixtures in Row A and Row B separately. Additionally, a daylight harvesting sensor is provided so the lights in Row B can be configured to dim automatically when daylight is available. An occupancy sensor turns off all lights when the space is vacant.



Choose Wall Controls

nLight offers multiple styles of wall controls - each with varying features and user experience.



Push-Button Wallpod
Traditional tactile buttons and LED user feedback



Graphic Wallpod
Full color touch screen provides a sophisticated look and feel

nLight® Wired Controls Accessories:

Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlight for complete listing of nLight controls.

WallPod Stations	Model number	Occupancy sensors	Model Number
On/Off	nPODM (Color)	Small motion 360°, ceiling (PIR/dual Tech)	nCM 9 / nCM PDT 9
On/Off & Raise/Lower	nPOD DX (Color)	Large motion 360°, ceiling (PIR/dual tech)	nCM 10 / nCM PDT 10
Graphic Touchscreen	nPOD GFX (Color)	Wide View (PIR/dual tech)	nWV 16 / nWV PDT 16
Photocell controls	Model Number	Wall Switch w/ Raise/Lower (PIR/dual tech)	nWSX LV DX / nWSX PDT LV DX
Dimming	nCM ADCX	Cat-5 cables (plenum rated)	Model Number
		10', CAT5 10FT	CAT5 10FT J1
		15', CAT5 15FT	CAT5 15FT J1

nLight® AIR Control Accessories:

Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlightair.

Wall switches	Model number
On/Off single pole	rPODB [color]
On/Off two pole	rPODB 2P [color]
On/Off & raise/lower single pole	rPODB DX [color]
On/Off & raise/lower two pole	rPODB 2P DX [color]
On/Off & raise/lower single pole	rPODBZ DX WH ¹

Notes

- 1 Can only be ordered with the RES7Z zone control sensor version.

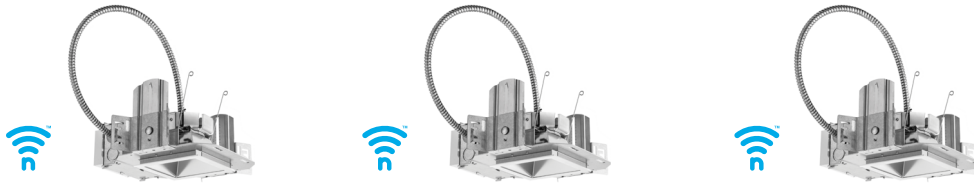
UL924 Sequence of Operation

The below information applies to all nLight AIR devices with an EM option.

- EM devices will remain at their high-end trim and ignore wireless lighting control commands, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.
- Using the CLAIRITY+ mobile app, EM devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts.
- Only non-emergency rPP20, rLSXR, rSBOR, rSDGR, and nLight AIR luminaires with version 3.4 or later firmware can provide normal power sensing for EM devices. See specification sheets for control devices and luminaires for more information on options that support normal power sensing.

nLight AIR

nLight AIR is the ideal solution for retrofit or new construction spaces where adding communication is cost prohibitive. The integrated nLight AIR rPP20 Power Pack is part of each Lithonia LDN Luminaire. These individually addressable controls offer the ultimate in flexibility during initial setup and for space repurposing.



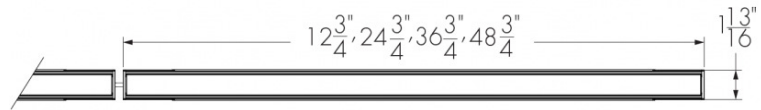
Simple as 1,2,3

1. Install the nLight® AIR fixtures with embedded smart sensor
2. Install the wireless battery-powered wall switch
3. With CLAIRITY app, pair the fixtures with the wall switch and if desired, customize the sensor settings for the desired outcome



Project Name _____ Qty _____

Type _____ Catalog / Part Number _____



Top view



Front and side views

Photometric Summary (7 W/ft)

	Delivered output (lm)	Intensity (peak cd)
8°x8°	2,173	58,720
10°x10°	2,102	45,812
10°x30°	2,038	12,959
10°x60°	2,026	6,911
10°x90°	2,031	3,622
30°x10°	2,043	12,919
30°x30°	2,986	6,894
30°x60°	2,895	4,362
30°x90°	2,917	3,152
60°x10°	2,025	8,019
60°x60°	2,924	2,162
60°x90°	2,905	2,603
90°x90°	2,856	1,766
W (120°)	1,225	602
WW	2,164	10,498

Based on 4000K, CRI 80+, 4ft [1219mm], NO control. Photometric performance is measured in compliance with IESNA LM-79-08.

Description

The Lumenfacade Nano White and Static Colors is a high-efficiency linear LED luminaire that goes where no facade lighting has gone before. Available in 12 in, 24 in, 36 in or 48 in sections, the Lumenfacade Nano is the right fit for general urban structures, historical buildings and those hardest to reach places. The Lumenfacade Nano packs all the bells and whistles of the larger members of the Lumenfacade family and can be configured with a wide number of options, including; optics for grazing, floodlighting or wall washing; a choice of outputs; various color temperatures or static colors; various mounting options, finishes, accessories and controls. Now with 3G vibration-rating options, this little fixture can really go anywhere.

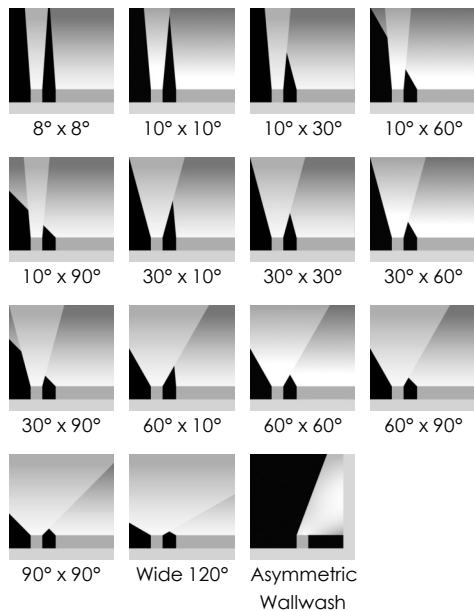
Features

Color and Color Temperature	2200K, 2700K, 3000K, 3500K, 4000K, Red, Green, Blue
Optics	8° x 8°, 10° x 10°, 10° x 30°, 10° x 60°, 10° x 90°, 30° x 10°, 30° x 30°, 30° x 60°, 30° x 90°, 60° x 10°, 60° x 60°, 60° x 90°, 90° x 90°, Wide 120°, Asymmetric Wallwash
Option	Corrosion-resistant Coating for Hostile Environments 3G ANSI C136.31-2010 Vibration Rating for Bridge Applications
Power Consumption	2 W/ft, 4 W/ft, 7 W/ft
Warranty	5-year limited warranty

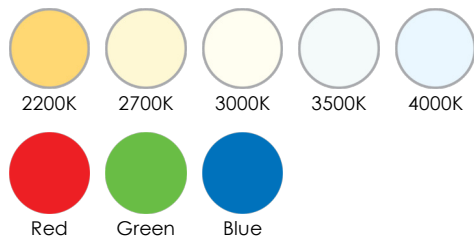
Performance

Maximum Delivered Output	884 lm (2 W/ft, 48 in fixture, 4000K CRI 80+, 30° x 30°, NO control) 1,767 lm (4 W/ft, 48 in fixture, 4000K CRI 80+, 30° x 30°, NO control) 2,986 lm (7 W/ft, 48 in fixture, 4000K CRI 80+, 30° x 30°, NO control)
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Optics



Color and Color Temperature



Control

ON/OFF UCTL

Ratings

IP66 IK08

Certifications



Maximum Delivered Intensity	20,676 cd at nadir (2 W/ft, 48 in fixture, 4000K CRI 80+, 8° x 8°, NO control) 41,352 cd at nadir (4 W/ft, 48 in fixture, 4000K CRI 80+, 8° x 8°, NO control) 58,720 cd at nadir (7 W/ft, 48 in fixture, 4000K CRI 80+, 8° x 8°, NO control)
Illuminance at Distance	Minimum 1 fc at 144 ft (2 W/ft, 48 in fixture, 4000K CRI 80+, 8° x 8°, NO control) Minimum 1 fc at 203 ft (4 W/ft, 48 in fixture, 4000K CRI 80+, 8° x 8°, NO control) Minimum 1 fc at 242 ft (7 W/ft, 48 in fixture, 4000K CRI 80+, 8° x 8°, NO control)
Color Consistency	3 SDCM (2 SDCM for 8° x 8°, 10° x 10°, 10° x 30°, 10° x 60°, 10° x 90°, 30° x 10°, 60° x 10°, W and WW optics)
Color Rendering	CRI 80+ CRI 90+ (27K and 30K color temperatures only)
Lumen Maintenance	L70 >90,000 hrs

Physical

Housing Material	Low copper content extruded aluminum
Lens Material	Clear tempered glass
Hardware Material	Stainless steel
End Cap Material	Machined aluminum
Gasket Material	Silicone
Surface Finish	Electrostatically applied polyester powder coat
Weight	1.4 lbs (12 in) 2.9 lbs (24 in) 4.4 lbs (36 in) 6 lbs (48 in)

Electrical and Control

Voltage	48 VDC
Resolution (DMX/RDM)	Per fixture, 8-bit or 16-bit
Control	On/Off Control, Universal control (compatible with 0-10V, DALI or DMX/RDM systems)

Environmental

Storage Temperature	-40 °F to 185 °F (device must reach start-up temperature value before operating)
Start-up Temperature	-13 °F to 122 °F
Operating Temperature	-40 °F to 122 °F
Ingress Protection Rating	IP66
Impact Resistance Rating	IK08 (IK09 for 48 in fixtures)

Application Wind Speed Luminaires were designed based on AASHTO 2013 standard to ensure highest quality and safety. Installation should be validated by a local project engineer to ensure the luminaires are suitable for the wind speed and exposure of the specific application

Accessories (Order Separately)

Cables	Lumenfacade Nano Jumper Cable (LOGNJC), Trunk Power Cable (TKPWR), Trunk Data Cable (TKDMX), Lumenfacade Nano Jumper Cable Joiner (LOGNJC-JOINER)
Control Boxes	Low-Voltage Control Box (LCBX), Low-Voltage Splitter Box (LSBX)
Remote Power Supply	Large Power Supply (LGPSU)
Optical Accessories	Lumenfacade Nano Radial Louver (LOGNRD), Lumenfacade Nano Visor (LOGNVS)
Control Systems	Lumentone™ 2 (LTN2), Pharos® kit (PHAROS)
Diagnostic and Addressing Tools	LumenID (LID)

Photometric Information

2 W/ft (3000K, CRI 80+)

	Delivered output (lm)	Intensity (peak cd)
8°x8°	711	19,229
10°x10°	688	15,002
10°x30°	668	4,244
10°x60°	664	2,264
10°x90°	665	1,187
30°x10°	669	4,231
30°x30°	822	1,897
30°x60°	796	1,201
30°x90°	803	868
60°x10°	663	2,626
60°x60°	804	595
60°x90°	799	716
90°x90°	786	486
W (120°)	401	197
WW	709	3,438

Based on 3000K, CRI 80+, 4 ft, NO control configuration.

2 W/ft (3000K, CRI 90+)

	Delivered output (lm)	Intensity (peak cd)
8°x8°	598	16,152
10°x10°	578	12,602
10°x30°	561	3,565
10°x60°	558	1,901
10°x90°	559	997
30°x10°	562	3,554
30°x30°	691	1,594
30°x60°	669	1,009
30°x90°	674	729
60°x10°	557	2,206
60°x60°	676	500
60°x90°	671	602
90°x90°	660	409
W (120°)	337	166
WW	595	2,888

Based on 3000K, CRI 90+, 4 ft, NO control configuration.

4 W/ft (3000K, CRI 80+)

	Delivered output (lm)	Intensity (peak cd)
8°x8°	1,423	38,457
10°x10°	1,376	30,004
10°x30°	1,335	8,487
10°x60°	1,327	4,526
10°x90°	1,330	2,372
30°x10°	1,338	8,461
30°x30°	1,643	3,793
30°x60°	1,593	2,400
30°x90°	1,605	1,734
60°x10°	1,326	5,252
60°x60°	1,609	1,189
60°x90°	1,599	1,432
90°x90°	1,572	972
W (120°)	803	394
WW	1,417	6,875

Based on 3000K, CRI 80+, 4 ft, NO control configuration.

4 W/ft (3000K, CRI 90+)

	Delivered output (lm)	Intensity (peak cd)
8°x8°	1,195	32,304
10°x10°	1,156	25,203
10°x30°	1,121	7,129
10°x60°	1,115	3,802
10°x90°	1,117	1,993
30°x10°	1,124	7,107
30°x30°	1,380	3,187
30°x60°	1,338	2,016
30°x90°	1,348	1,457
60°x10°	1,114	4,411
60°x60°	1,351	999
60°x90°	1,343	1,203
90°x90°	1,320	816
W (120°)	674	331
WW	1,191	5,775

Based on 3000K, CRI 90+, 4 ft, NO control configuration.

7 W/ft (3000K, CRI 80+)

	Delivered output (lm)	Intensity (peak cd)
8°x8°	2,021	54,610
10°x10°	1,955	42,605
10°x30°	1,895	12,052
10°x60°	1,884	6,427
10°x90°	1,889	3,368
30°x10°	1,900	12,015
30°x30°	2,777	6,411
30°x60°	2,692	4,057
30°x90°	2,713	2,931
60°x10°	1,883	7,458
60°x60°	2,719	2,011
60°x90°	2,702	2,421
90°x90°	2,656	1,642
W (120°)	1,139	560
WW	2,013	9,763

Based on 3000K, CRI 80+, 4 ft, NO control configuration.

7 W/ft (3000K, CRI 90+)

	Delivered output (lm)	Intensity (peak cd)
8°x8°	1,698	45,872
10°x10°	1,642	35,788
10°x30°	1,592	10,124
10°x60°	1,583	5,399
10°x90°	1,587	2,830
30°x10°	1,596	10,092
30°x30°	2,333	5,386
30°x60°	2,262	3,408
30°x90°	2,279	2,462
60°x10°	1,582	6,264
60°x60°	2,284	1,689
60°x90°	2,269	2,033
90°x90°	2,231	1,380
W (120°)	957	470
WW	1,691	8,201

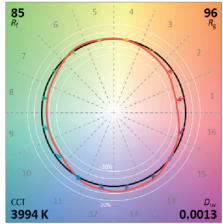
Based on 3000K, CRI 90+, 4 ft, NO control configuration.

Photometric performance is measured in compliance with IESNA LM 79-08.

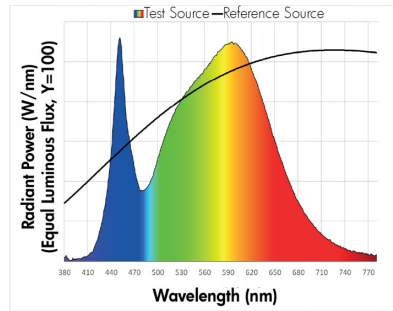
Chromaticity Data

TM-30 - 4000K

CCT	CIE		TM-30	
4000K	R _a	83	85	R _f
	R _g	1.4	96	R _g



Spectral Power Distribution



Optical Option Installation Details

HFR - Half-Frosted Lens



- Always position frosted side toward the wall.
- Available for 8x8, 10x10, 10x30 or WW optics only.

WW - Asymmetric Wallwash

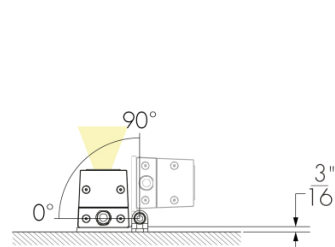
Recommended setback from wall is 1/10 of the wall height.

Example: 2 ft setback for a 20 ft wall.

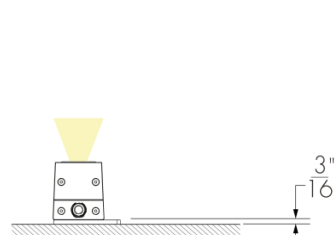
Mounting Options

One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures. See installation instructions for details.

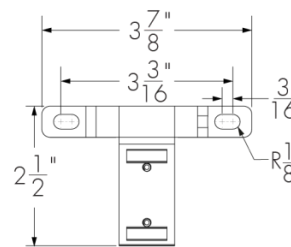
SAMN - Slim Adjustable Mounting Nano



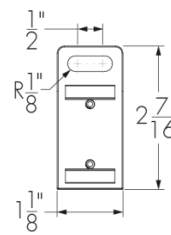
UMPN - Fixed Mounting Nano



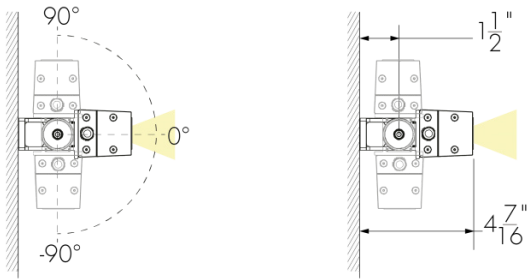
SAMN - Mounting Hole Pattern



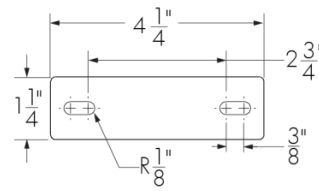
UMPN - Mounting Hole Pattern



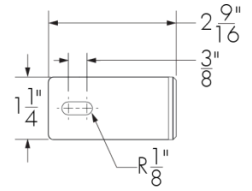
UMASN - Universal Adjustable Mounting Nano



UMASN - Mounting Hole Pattern

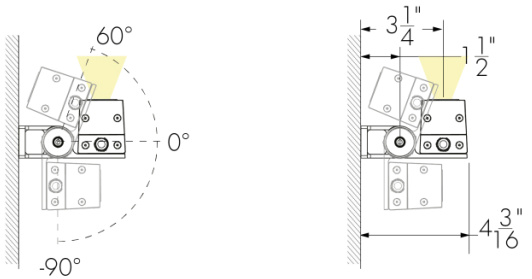


For 1 ft fixtures

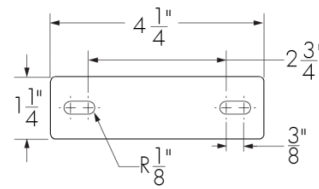


For 2 ft, 3 ft and 4 ft fixtures

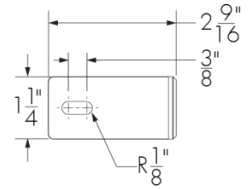
WAMN2 - Adjustable Extended Arm Mounting Nano 2 in



WAMN2 - Mounting Hole Pattern

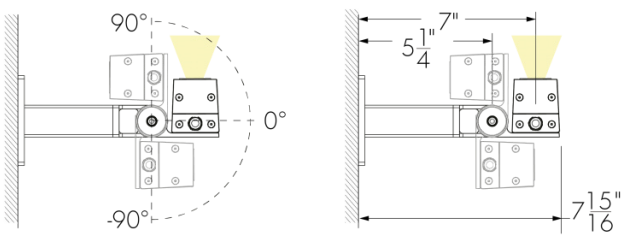


For 1 ft fixtures

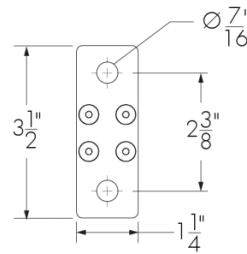


For 2 ft, 3 ft and 4 ft fixtures

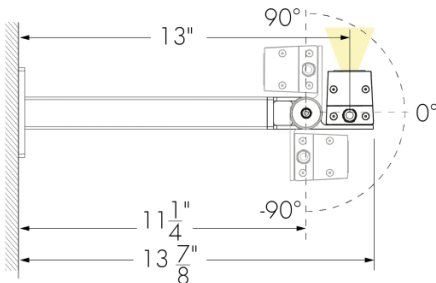
WAMN6 - Adjustable Extended Arm Mounting Nano 6 in



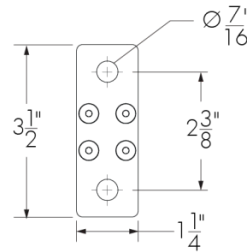
WAMN6 - Mounting Hole Pattern



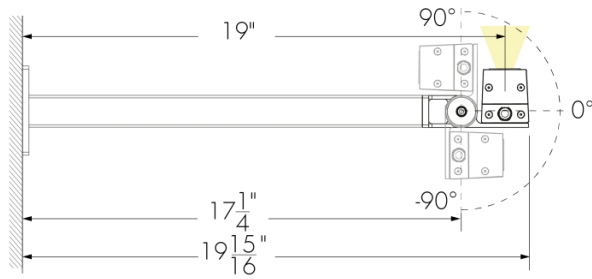
WAMN12 - Adjustable Extended Arm Mounting Nano 12 in



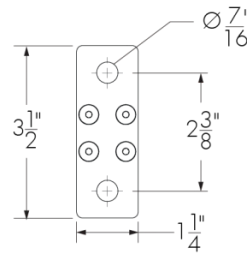
WAMN12 - Mounting Hole Pattern



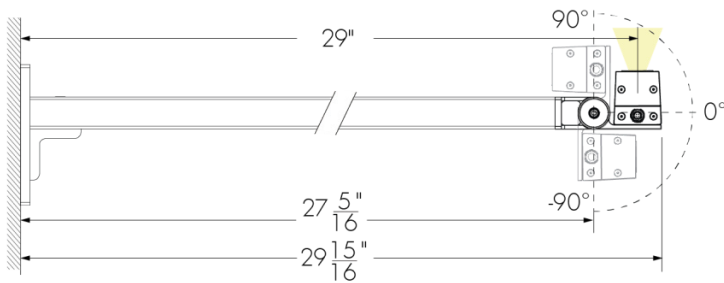
WAMN18 - Adjustable Extended Arm Mounting Nano 18 in



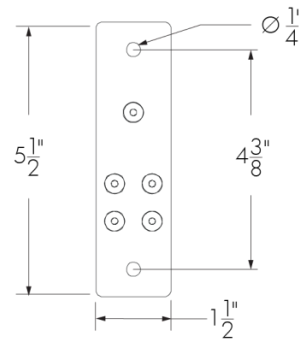
WAMN18 - Mounting Hole Pattern



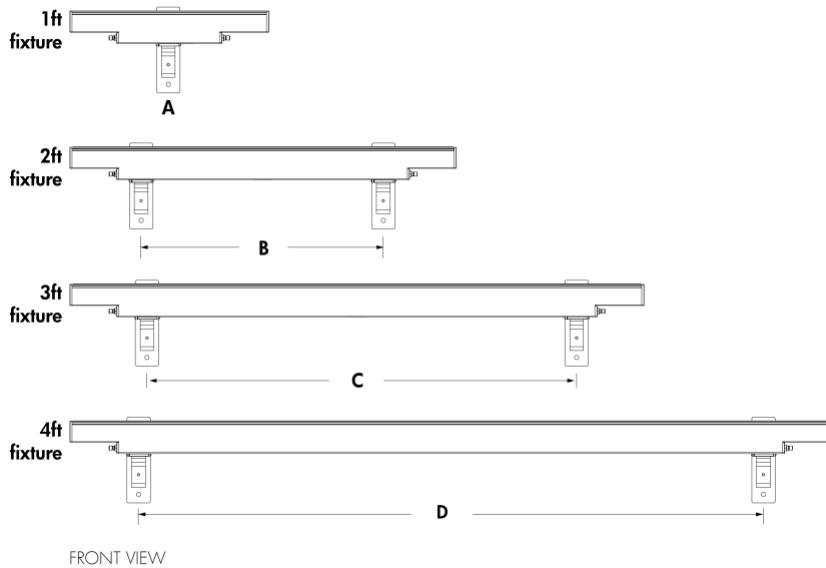
WAMN28 - Adjustable Extended Arm Mounting Nano 28 in



WAMN28 - Mounting Hole Pattern



Mounting Bracket Placement (Minimum and Maximum Distances)

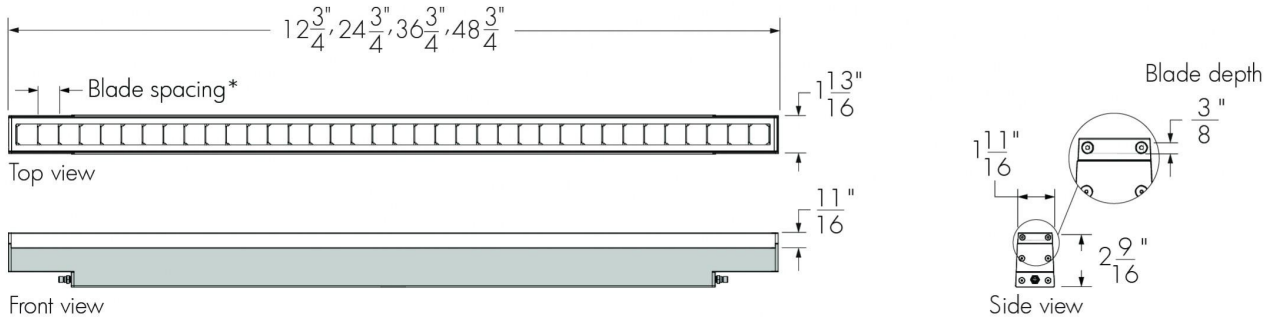


- A** - Bracket in the center of the fixture
 - B** - Minimum 14 in to maximum 16 in
 - C** - Minimum 26 in to maximum 28 in
 - D** - Minimum 38 1/2 in to maximum 40 1/2 in
- LOGN with bracket WAMN28 shown

The mounting bracket(s) to be centered on fixture and as symmetrical as possible. Distances must be respected for all installations.

Optical Accessories (Order Separately)

LOGNRD - Radial Louver For Lumenfacade Nano



*15/16 in blade spacing for 8° x 8°, 10° x 10°, 10° x 30°, 10° x 60°, 10° x 90°, 30° x 10° and 60° x 10° optics.

*1 15/16 in blade spacing for 30° x 30°, 30° x 60°, 30° x 90°, 60° x 60°, 60° x 90° and 90° x 90° optics.

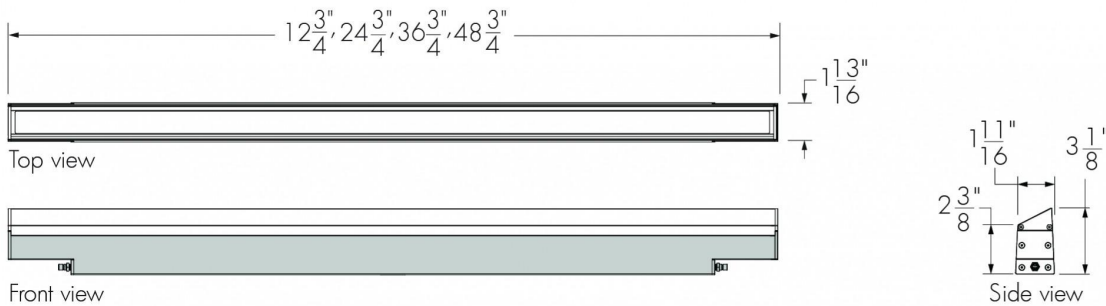
LOGNRD-LENGTH-FINISH-OPTIONS

Please specify:

LENGTH: 12 in, 24 in, 36 in or 48 in; **FINISH:** BK - Black Sandtex®, BRZ - Bronze Sandtex®, SI - Silver Sandtex®, WH - Smooth white or CC - custom color and finish (please specify RAL color); **OPTIONS:** CRC - Corrosion-resistant coating for hostile environments

- The addition of a louver will affect beam distribution. Consult factory for application support.
- Not suitable for wide 120° and asymmetric wallwash optics.
- Maximum one accessory per fixture. Louvers are field installable.

LOGNVS - Visor For Lumenfacade Nano



LOGNVS-LENGTH-FINISH-OPTIONS

Please specify:

LENGTH: 12 in, 24 in, 36 in or 48 in; **FINISH:** BK - Black Sandtex®, BRZ - Bronze Sandtex®, SI - Silver Sandtex®, WH - Smooth white or CC - custom color and finish (please specify RAL color); **OPTIONS:** CRC - Corrosion-resistant coating for hostile environments

- The addition of a visor will affect beam distribution. Consult factory for application support.
- Not suitable for wide 120° optic.
- Maximum one accessory per fixture. Visors are field installable.

Cables (Order Separately)

LOGNJC - Jumper Cable For Lumenfacade Nano



Front view 4" Minimum bend radius for jumper cable

For minimal spacing between fixtures, use a 1 ft jumper cable.

LOGNJC-CERTIFICATION-LENGTH-CABLE COLOR

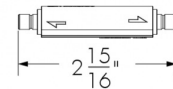
Please specify:

CERTIFICATION: UL or CE; **LENGTH:** 1 ft to 30 ft (available in 1 ft increments) or 50 ft; **CABLE COLOR:** black or white (connectors are the same color as the specified cable color).

- Suitable for dimming/data and non-dimming applications.
- Consult Lumenfacade Nano jumper cable specification sheet for all available cable lengths and additional information.

Joiner (Order Separately)

LOGNJC-JOINER - Joiner For Lumenfacade Nano Jumper Cable

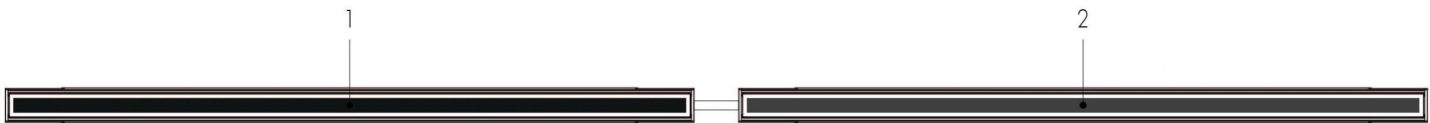


- Use joiners to connect and lengthen jumper cables.
- Joiners add voltage drops. Consult factory to confirm impact on run length.
- Available in black.

Resolution Details

DMX/RDM Control, Resolution Per Fixture: Each Fixture Is Addressed Independently

DMX Addresses:



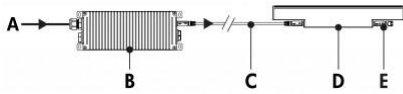
UCTL control option

- 48 in fixtures shown.
- Applicable for UCTL control only. A DMX/RDM enabled LCBX or LSBX is required for DMX/RDM control

Typical Wiring Diagrams

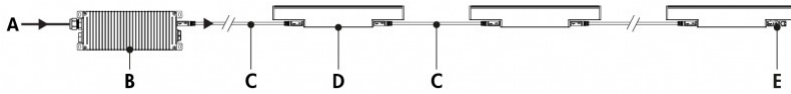
On/Off Control (NO)

Single Unit - LCBX 60W



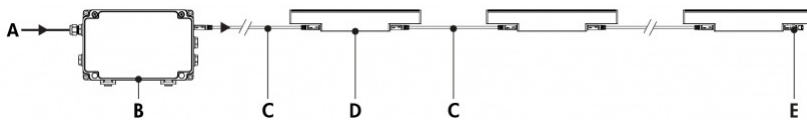
- A** - Power input (120-277V, wiring by others)
- B** - LCBX (60W)
- C** - Jumper cable (LOGNJC)
- D** - Lumenfacade Nano
- E** - Terminator cap

Continuous Run - LCBX 60W or 120W



- A** - Power input (120-277V, wiring by others)
- B** - LCBX (60W or 120W)
- C** - Jumper cable (LOGNJC)
- D** - Lumenfacade Nano
- E** - Terminator cap

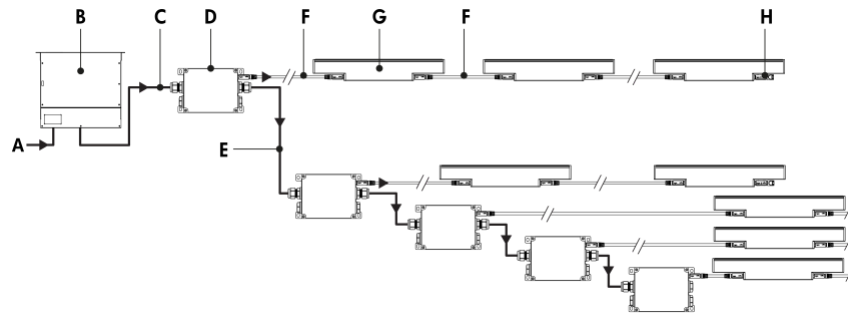
Continuous Run - LCBX 200W



- A** - Power input (120-277V, wiring by others)
- B** - LCBX (200W)
- C** - Jumper cable (LOGNJC)
- D** - Lumenfacade Nano
- E** - Terminator cap

- Consult factory for specific applications and maximum fixture count/run length recommendations.
- Maximum of 1 output to fixture, or fixture run, per LCBX.
- Consult the LCBX specification sheet for more information.
- 2W version: 2 W/ft; 4W version: 4 W/ft; 7W version: 7 W/ft.

Trunk System - LSBX

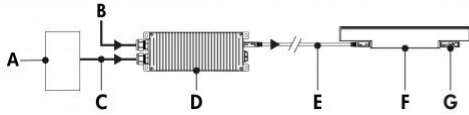


- A** - Power input (120-277V, wiring by others)
- B** - Large Power Supply (LGPSU) (order separately from Lumenpulse)
- C** - Power input (48V, order separately from Lumenpulse - Trunk Power Cable (TKPWR), or equivalent by others. Refer to LSBX specification sheet for details)
- D** - LSBX
- E** - Power output to next LSBX (48V, order separately from Lumenpulse - Trunk Power Cable (TKPWR), or equivalent by others. Refer to LSBX specification sheet for details)
- F** - Jumper cable (LOGNJC)
- G** - Lumenfacade Nano
- H** - Terminator cap

- Consult factory for specific applications and maximum fixture count/run length recommendations.
- Maximum of 1 output to fixture run per LSBX.
- The LSBX has a maximum of 200W for output to fixtures. Consult the LSBX specification sheet for more information.
- The Large Power Supply (LGPSU) has a maximum of 1000W (120V) or 1200W (277V). Consult LGPSU specification sheet for more information.
- 2W version: 2 W/ft; 4W version: 4 W/ft; 7W version: 7 W/ft.

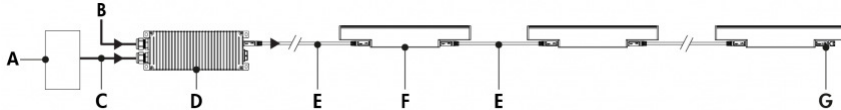
UCTL - Universal Control

Single Unit - LCBX 60W



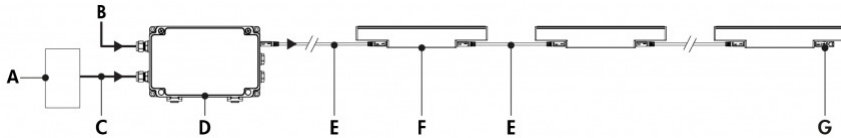
- A** - Dimmer/controller (order separately from Lumenpulse, or by others)
- B** - Power input (120-277V, wiring by others)
- C** - Data input (wiring by others)
- D** - LCBX (60W)
- E** - Jumper cable (LOGNJC)
- F** - Lumenfacade Nano
- G** - Terminator cap

Continuous Run - LCBX 60W or 120W



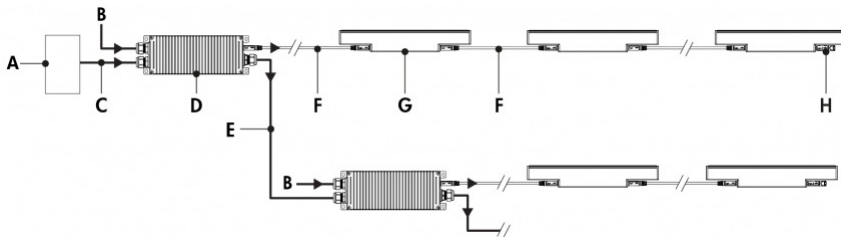
- A** - Dimmer/controller (order separately from Lumenpulse, or by others)
- B** - Power input (120-277V, wiring by others)
- C** - Data input (wiring by others)
- D** - LCBX (60W or 120W)
- E** - Jumper cable (LOGNJC)
- F** - Lumenfacade Nano
- G** - Terminator cap

Continuous Run - LCBX 200W



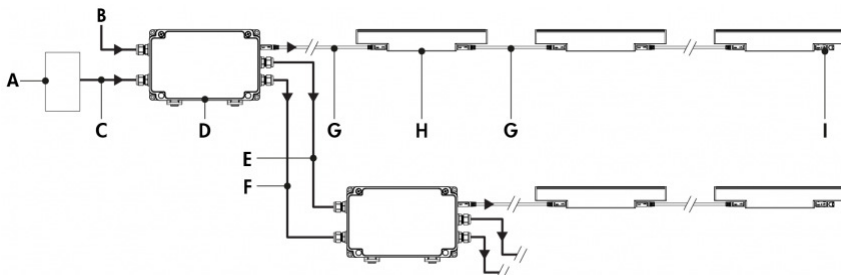
- A** - Dimmer/controller (order separately from Lumenpulse, or by others)
- B** - Power input (120-277V, wiring by others)
- C** - Data input (wiring by others)
- D** - LCBX (200W)
- E** - Jumper cable (LOGNJC)
- F** - Lumenfacade Nano
- G** - Terminator cap

Continuous Run - Daisy Chain
LCBX 60W or 120W



- A** - Dimmer/controller (order separately from Lumenpulse, or by others)
- B** - Power input (120-277V, wiring by others)
- C** - Data input (wiring by others)
- D** - LCBX (60W or 120W)
- E** - Data output to next LCBX (wiring by others)
- F** - Jumper cable (LOGNJC)
- G** - Lumenfacade Nano
- H** - Terminator cap

Continuous Run - Daisy Chain
LCBX 200W



- A** - Dimmer/controller (order separately from Lumenpulse, or by others)
- B** - Power input (120-277V, wiring by others)
- C** - Data input (wiring by others)
- D** - LCBX (200W)
- E** - Power output to next LCBX (120-277V, wiring by others)
- F** - Data output to next LCBX (wiring by others)
- G** - Jumper cable (LOGNJC)
- H** - Lumenfacade Nano
- I** - Terminator cap

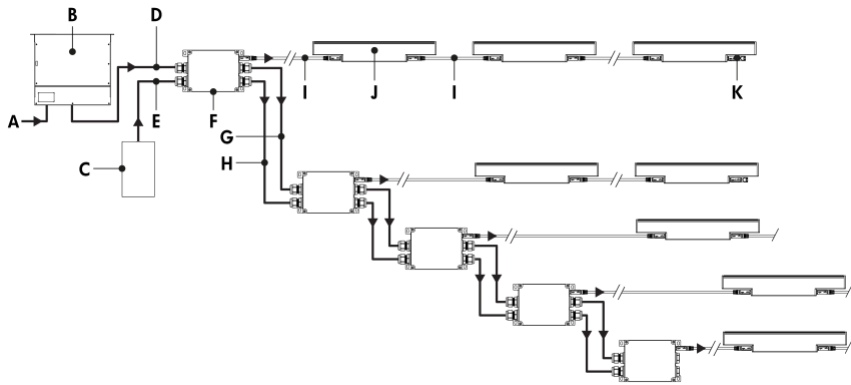
Maximum Run of Fixtures - Lumenfacade Nano® LOGN White & Static Colors

10ft Jumper Cable			
Wattage	2W/ft	4W/ft	7W/ft
Maximum Run of Fixtures per LCBX 60W	26ft	13ft	7ft
Maximum Run of Fixtures per LCBX 120W	52ft	25ft	15ft
Maximum Run of Fixtures per LCBX 200W	88ft*	45ft	25ft
25ft Jumper Cable			
Wattage	2W/ft	4W/ft	7W/ft
Maximum Run of Fixtures per LCBX 60W	26ft	13ft	7ft
Maximum Run of Fixtures per LCBX 120W	52ft	25ft	15ft
Maximum Run of Fixtures per LCBX 200W	88ft*	45ft	25ft
50ft Jumper Cable			
Wattage	2W/ft	4W/ft	7W/ft
Maximum Run of Fixtures per LCBX 60W	26ft	13ft	7ft
Maximum Run of Fixtures per LCBX 120W	52ft	25ft	15ft
Maximum Run of Fixtures per LCBX 200W	88ft*	45ft	25ft

*Example: 2W/ft = 88ft maximum run of end to end fixtures per LCBX 200W.
(22 fixtures maximum for 4ft LOGN 2W/ft, 88 fixtures maximum for 1ft LOGN 2W/ft).
Consult factory for system validation prior to quoting and ordering.

- Consult factory for specific applications and maximum fixture count/run length recommendations.
- Maximum of 1 output to fixture, or fixture run, per LCBX.
- Consult the LCBX specification sheet for more information.
- UCTL can be controlled via a 0-10V dimmer, DALI controller or DMX/RDM controller.
- For 0-10V dimming applications:
 - 0-10V mA ratings: Current Sink Mode: 2mA per LCBX; Current Source Mode: 2mA per LCBX.
- For DALI applications:
 - A maximum of 64 DALI fixtures per DALI loop.
- For DMX/RDM applications:
 - Each fixture requires 1 DMX channel.
- 1% minimum dimming value.
- 2W version: 2 W/ft; 4W version: 4 W/ft; 7W version: 7 W/ft.

Trunk System - LSBX

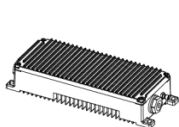


- A** - Power input (120-277V, wiring by others)
- B** - Large Power supply (LGPSU) (order separately from Lumenpulse)
- C** - Controller (order separately from Lumenpulse, or by others)
- D** - Power input (48V, order separately from Lumenpulse - Trunk Power Cable (TKPWR), or equivalent by others. Refer to LSBX specification sheet for details)
- E** - Data input (order separately from Lumenpulse - Trunk Data Cable (TKDMX), or equivalent by others. Refer to LSBX specification sheet for details)
- F** - LSBX
- G** - Power output to next LSBX (48V, order separately from Lumenpulse - Trunk Power Cable (TKPWR), or equivalent by others. Refer to LSBX specification sheet for details)
- H** - Data output to next LSBX (order separately from Lumenpulse - Trunk Data Cable (TKDMX), or equivalent by others. Refer to LSBX specification sheet for details)
- I** - Jumper cable (LOGNJC)
- J** - Lumenfacade Nano
- K** - Terminator cap

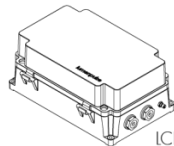
- Consult factory for specific applications and maximum fixture count/run length recommendations.
- Maximum of 1 output to fixture run per LSBX.
- The LSBX has a maximum of 200W for output to fixtures. Consult the LSBX specification sheet for more information.
- The Large Power Supply (LGPSU) has a maximum of 1000W (120V) or 1200W (277V). Consult LGPSU specification sheet for more information.
- Each fixture requires 1 DMX channel.
- 1% minimum dimming value.
- 2W version: 2 W/ft; 4W version: 4 W/ft; 7W version: 7 W/ft.

Control Boxes (Order Separately)

LCBX - Low-Voltage Control Box



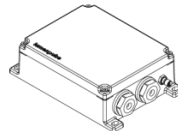
LCBX 60W & 120W



LCBX 200W

Low-voltage control and power box. One power and data output to fixture, or fixture run. Refer to LCBX specification sheet for details.

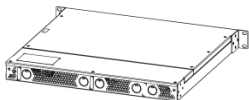
LSBX - Low-Voltage Splitter Box



Low-voltage control and power splitter box. One power and data output to fixture run. Refer to LSBX specification sheet for details.

Remote Power Supply (Order Separately)

LGPSU - Large Power Supply



Monté sur rack

Indoor rack-mounted 1.2KW power supply allows for scalable DMX/RDM controlled Lumenfacade Nano systems. Wall Mount version coming soon, consult factory for details.

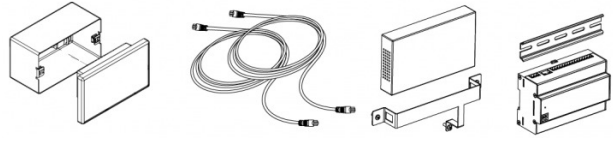
Control Systems (Order Separately)

LTN2 - Lumentone™ 2



Lumentone 2 is a simple pre-programmed DMX 512 controller with a push button rotary dial and live feedback.

PHAROS - Pharos® Kit



The Pharos kit, available for 1 or 2 DMX universes, allows for complete control of large lighting installations. 2 DMX universes kit shown.

Diagnostic And Addressing Tools (Order Separately)

LID - LumenID



LumenID is a diagnostic and addressing DMX/RDM tool. It must be specified on all DMX applications. Consult LID specification sheet for details.

How to Order

Housing	Wattage	Voltage	Length	Color and Color Temperature ⁽²⁾	Color Rendering ⁽⁴⁾
LOGN Lumenfacade™ Nano	2W 2 W/ft ⁽¹⁾ 4W 4 W/ft 7W 7 W/ft	48V 48 VDC	12 12 3/4 in (1.4 lbs) 24 24 3/4 in (2.9 lbs) 36 36 3/4 in (4.4 lbs) 48 48 3/4 in (6 lbs)	22K 2200K 27K 2700K 30K 3000K 35K 3500K 40K 4000K RD Red ⁽³⁾ GR Green ⁽³⁾ BL Blue ⁽³⁾	80 CRI 80+ 90 CRI 90+ ⁽⁵⁾

Notes:

- 1. Not available for static red, green or blue color options.
- 2. Consult factory for availability of static Royal Blue, and 6500K.
- 3. Static colors made to order 8-10 weeks.

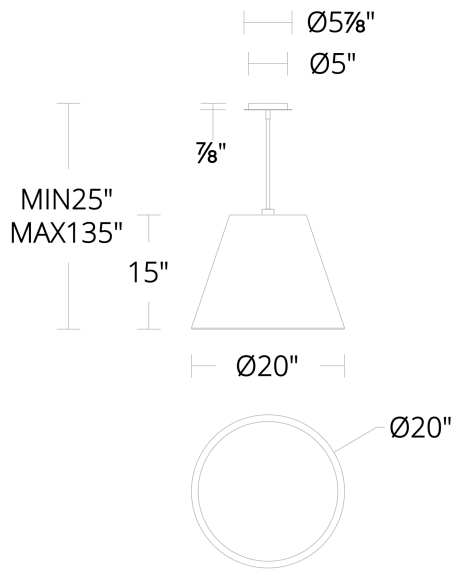
- 4. Not applicable to static red, green or blue color options.
- 5. Available for 27K and 30K color temperatures only.

How to Order

Optic	Lens	Mounting Option ⁽¹¹⁾ ⁽¹²⁾	Finish	Control ⁽¹⁴⁾	Option	Certification	Buy American Act
8x8 8° x 8°	CL Clear Lens ⁽⁸⁾	SAMN Slim Adjustable Mounting Nano	BK Black Sandtex®	NO On/Off Control	CRC Corrosion-resistant coating ⁽¹⁷⁾ ⁽¹⁸⁾	UL UL Compliant	BAA Buy American ⁽²⁰⁾ ⁽²¹⁾
10x10 10° x 10°	FR Frosted Lens ⁽⁹⁾	UMPN Fixed Mounting Nano	BRZ Bronze Sandtex®	UCTL Universal control (compatible with 0-10V, DALI or DMX/RDM systems)	3GV 3G ANSI C136.31-2010 Vibration Rating for Bridge Applications ⁽¹⁹⁾	CE CE Compliant	
10x30 10° x 30°	HFR Half-Frosted Lens ⁽¹⁰⁾	UMASN Universal Adjustable Mounting Nano	SI Silver Sandtex®				
10x60 10° x 60°		WAMN2 Adjustable Wall Mounting Nano 2 in	WH Smooth White				
10x90 10° x 90°		WAMN6 Adjustable Extended Arm Mounting Nano 6 in	CC Custom Color & Finish ⁽¹³⁾ ⁽¹⁴⁾ ⁽¹⁵⁾				
30x10 30° x 10°		WAMN12 Adjustable Extended Arm Mounting Nano 12 in					
30x30 30° x 30°		WAMN18 Adjustable Extended Arm Mounting Nano 18 in					
30x60 30° x 60°		WAMN28 Adjustable Extended Arm Mounting Nano 28 in					
30x90 30° x 90°							
60x10 60° x 10°							
60x60 60° x 60°							
60x90 60° x 90°							
90x90 90° x 90°							
W Wide 120° ⁽⁶⁾							
WW Asymmetric Wallwash ⁽⁷⁾							

Notes:

- 6. Not compatible with louver or visor optical accessories.
- 7. Not compatible with louver optical accessory.
- 8. Not available for 8x8, 10x10, W or WW optics.
- 9. Not available for WW optic.
- 10. Available for 8x8, 10x10, 10x30 or WW optics only.
- 11. One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.
- 12. Refer to Mounting Bracket Placement section in the specification sheet for mounting bracket distances that must be respected.
- 13. Lumenpulse offers a wide selection of RAL CLASSIC (K7) colors with a smooth texture and high-gloss finish. Please consult factory for a list of available K7 colors, other RAL textures and glosses, or to match alternate color charts. Final color matching results may vary.
- 14. Setup charges apply for RAL colors. Consult factory for details.
- 15. Longer lead times can be expected for custom RAL color finishes.
- 16. A Low-Voltage Control Box (LCBX) or Low-Voltage Splitter Box (LSBX) and LumenID (LID) must be specified.
- 17. Use only when exposed to salt spray. This option is not required for normal outdoor exposure.
- 18. Setup charges apply. Consult factory for details.
- 19. Not available for SAMN mounting option. Mounting bracket distances that must be respected, consult Mounting Bracket Placement section in the specification sheet for details.
- 20. Not available with CE certification option.
- 21. Contact your Lumenpulse Sales Representative for more information on order volume details.



Project: _____

Location: _____

Fixture Type: _____

Catalog Number: _____

AVAILABLE FINISHES:



Myla

PD-W24320

FEATURES

- ACLED driverless technology
- Slope ceiling adaptable. Hang straight swivels up to 90 degrees
- Spin-on round canopy with minimal hardware
- Three 12" and one 6" down rods included (additional sold separately)
- Built in color temperature adjustability. Switch from 3000K/3500K/4000K
- Option to pre-select color temperature or adjust in the field

SPECIFICATIONS

Rated Life	59000 Hours
Standards	ETL, cETL, Wet Location Listed, Title 24 JA8: 2019 Compliant
Input	120V AC, 50/60Hz
Dimming	ELV: 100-5%, TRIAC: 100-10%
Color Temp	3500K, 3000K, 4000K
CRI	90
Construction	Aluminum spun body with bent glass diffuser

REPLACEMENT PARTS

- ROD-A06-PC150T-BK - 6" Rod - BK finish
- ROD-A12-PC150T-BK - 12" Rod - BK finish
- HDW-KS23-MA - Hardware Pack

PD-W24320

Model & Size	Color Temp	Finish	LED Watts	LED Lumens	Delivered Lumens
PD-W24320 20"	3000K	BK Black	60.8W	3220	2738
	3500K	BK Black	60.8W	3220	2738
	4000K	BK Black	60.8W	3220	2738

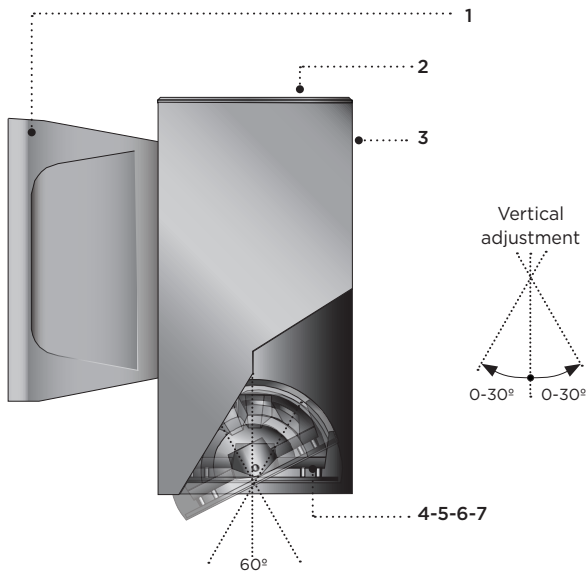
Example: **PD-W24320-40-BK**

For custom requests please contact customs@modernforms.com

TYPE: _____ QUANTITY: _____ PROJECT: _____

CATALOG NUMBER:

FIXTURE SUFFIX REFLECTOR VOLTAGE FINISH OPTION OPTION OPTION



- 1- Cast aluminum driver housing. Includes galvanized steel wall mount pressure plate.
- 2- Cast aluminum ventilated top cover.
- 3- Seamless extruded aluminum housing.
- 4- Fully sealed cast aluminum up or down light assembly.
- 5- Sealed cast aluminum lens frame.
- 6- Clear tempered glass lens.
- 7- Faceted specular aluminum reflector.

SQ600



All stainless steel hardware.

Syrios Square light module is designed with a tilting mechanism allowing forward and back light adjustability. The $\pm 30^\circ$ directional module allows to aim the light beam in the desired direction, without disturbing the luminaire mounting. The module can be secured using the built in locking mechanism.



Other adjustment factory set positions are available. Please consult factory.

MATERIALS

Syrios Square is made of corrosion resistant 356 aluminum alloy with a copper (CU) content of less than 0.1%. The main housing is made of seamless extruded aluminum, with an integrally sealed LED light module designed for optimal heat dissipation, and lighting performance. Syrios Square is standard with a unique proprietary design allowing the sealed LED module to tilt within the housing. The top cast aluminum cover includes ventilation slots allowing air circulation and cooling of assembly. Syrios Square SQ600 series is standard with 30° optic. See options section for alternate selection.

ELECTRICAL

DRIVER Standard driver is 0-10V dimming-ready (dims to 10%) with: 120-277 multi-volt compatibility (50-60Hz), operating temperature range of -40°C/-40°F to 55°C/131°F, output over voltage protection, output over current protection and output short circuit protection with auto-recovery.

LED Standard 4000K/80CRI. Optional 2700K, 3000K & 3500K. Optional Amber LED for turtle sensitive areas. Wavelengths: 584.5nm to 597nm.

LIFE

60,000hrs $L_{70}B_{50}$ (based on IESNA TM-21 Test Method and LM-80 data). Up to 70,000hrs $L_{70}B_{50}$ (calculated projection from LM-80 data).

FINISH

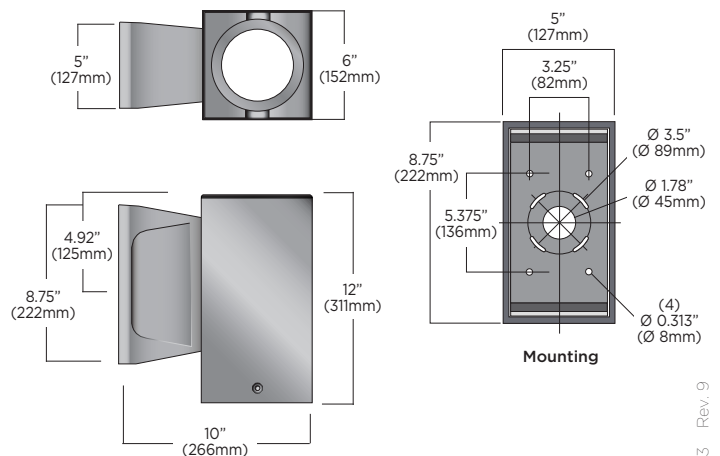
Five-stage preparation process includes preheating of cast aluminum parts for air extraction. Polyester powder coating is applied through an electrostatic process, and oven cured for long term finish.

MOUNTING


Maximum weight: 9.5 lbs (4.3 kg)
The mounting plate is designed to fit on a 4" (102mm) octagonal electrical box using 3.5" (89mm) C/C mounting holes. Additional mounting holes are provided as per site requirements.

CERTIFICATION

Certified and approved as per CSA C22.2 No.: 250.0 standard and ANSI/UL 1598 standard, for wet location. Rated IP66.



LUMINAIRE SELECTION

1 MODEL#  <input type="checkbox"/> SQ600	2 LED LIGHT SELECTION <table border="1"> <thead> <tr> <th>SUFFIX</th> <th>DELIVERED LUMENS</th> <th>INPUT WATTS</th> <th>CRI</th> <th>CCT °K</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> L1L15</td> <td>1599</td> <td>15W</td> <td>80</td> <td>4000</td> </tr> <tr> <td><input type="checkbox"/> L1L25</td> <td>2543</td> <td>26W</td> <td>80</td> <td>4000</td> </tr> <tr> <td><input type="checkbox"/> L1L40</td> <td>4102</td> <td>48W</td> <td>80</td> <td>4000</td> </tr> <tr> <td colspan="5">AMBER LED</td> </tr> <tr> <td><input type="checkbox"/> L1L3K2A</td> <td>263</td> <td>11W</td> <td>AMBER</td> <td></td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="5">VERY NARROW DISTRIBUTION</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> L1L20NR</td> <td>1690</td> <td>31W</td> <td>80</td> <td>4000</td> </tr> </tbody> </table>	SUFFIX	DELIVERED LUMENS	INPUT WATTS	CRI	CCT °K	<input type="checkbox"/> L1L15	1599	15W	80	4000	<input type="checkbox"/> L1L25	2543	26W	80	4000	<input type="checkbox"/> L1L40	4102	48W	80	4000	AMBER LED					<input type="checkbox"/> L1L3K2A	263	11W	AMBER		VERY NARROW DISTRIBUTION					<input type="checkbox"/> L1L20NR	1690	31W	80	4000	3 REFLECTORS* <input type="checkbox"/> R15 Narrow optics 15° <input type="checkbox"/> R30 Flood optics 30° (standard) <input type="checkbox"/> R55 Wide flood optics 52° <small>*Depending on direction fixture is installed add U (for uplight) or D (for downlight) to suffix for all reflectors listed above. (i.e. R55U is 52° uplight)</small> <input type="checkbox"/> R9 Very narrow optics 9° Field angle 18° (46,151 candela)	4 VOLTAGE <input type="checkbox"/> 120V <input type="checkbox"/> 277V Optional <input type="checkbox"/> 347V ⁴	5 FINISH STANDARD COLORS* <input type="checkbox"/> WHT Snow white <input type="checkbox"/> BKT Jet black <input type="checkbox"/> BZT Bronze <input type="checkbox"/> MST Matte silver <input type="checkbox"/> GRT Titanium gray <input type="checkbox"/> DGT Gun metal <input type="checkbox"/> CHT Champagne <input type="checkbox"/> SGT Steel gray <input type="checkbox"/> BGT English cream OPTIONAL COLORS <input type="checkbox"/> CS Custom color <input type="checkbox"/> RAL RAL# color ENVIRONMENT <input type="checkbox"/> MG Marine grade ⁸ <input type="checkbox"/> NT Natatorium ⁹ <small>*Refer to color chart</small>
SUFFIX	DELIVERED LUMENS	INPUT WATTS	CRI	CCT °K																																								
<input type="checkbox"/> L1L15	1599	15W	80	4000																																								
<input type="checkbox"/> L1L25	2543	26W	80	4000																																								
<input type="checkbox"/> L1L40	4102	48W	80	4000																																								
AMBER LED																																												
<input type="checkbox"/> L1L3K2A	263	11W	AMBER																																									
VERY NARROW DISTRIBUTION																																												
<input type="checkbox"/> L1L20NR	1690	31W	80	4000																																								

OPTIONS

ELECTRICAL

- FS Fuse
- PH Photocell¹
- MS PIR motion sensor (Device is located at bottom of luminaire wall box)³
- REML2-50 7W remote emergency battery backup for LED, 90 min. Remote mount 50ft - 12" (305mm) square enclosure with access cover²

LIGHT & OPTICS

Alternate CCT °K LED (LCF: Lumen conversion factor)

- K27 2700K CCT 80 CRI (LCF: 0.91)⁵
- K3 3000K CCT 80 CRI (LCF: 0.94)
- K35 3500K CCT 80 CRI (LCF: 0.983)⁵
- AR180 Light module with side to side adjustment

FAUX WOOD COLORS⁶

- | | |
|---|---------------------------------------|
| <input type="checkbox"/> ADG American douglas | <input type="checkbox"/> MPL Maple |
| <input type="checkbox"/> BRC Birch | <input type="checkbox"/> OFL Oak |
| <input type="checkbox"/> CHN Chestnut | <input type="checkbox"/> RSW Rosewood |
| <input type="checkbox"/> CRY Cherry | <input type="checkbox"/> TEK Teak |
| <input type="checkbox"/> KNP Knotty pine | <input type="checkbox"/> WLN Walnut |

ACCESSORIES

- HL Hexcell louver
- SL Solite lens (light loss factor [LLF]: 0.9)
- LSL Linear spread lens (Asymmetric lens distribution is achieved when light module is tilted)

MOUNTING

- SWK Adaptor box for surface 3/4" conduit feed (4 sides plus back entry)
- UP Option required for uplight installation
- UH Uniform height matching SQ602⁷

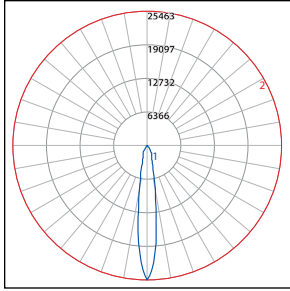


For IDA certification compliance, luminaire must be ordered with 3000K or warmer.

NOTES

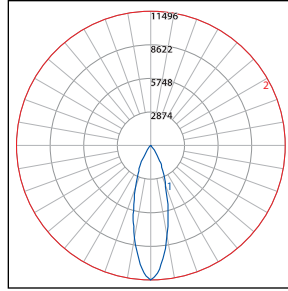
- 1- Photocell (PH) not available with REML2-50 option.
- 2- The remote enclosure must be interior.
- 3- PIR motion sensor (MS) not available with REML2-50 option.
- 4- 347V not compatible with Amber LED L1L3K2A.
- 5- K27 and K35 options not available with the R9 optics.
- 6- Faux wood finish not applied to driver housing, lens frame or accessories.
- 7- For UH with AR180 consult factory.
- 8- For harsh, coastal environment and exposure to salt water. Longer lead time may apply please contact factory for info.
- 9- Only available in WHT and BKT.

TYPICAL PHOTOMETRY SUMMARY



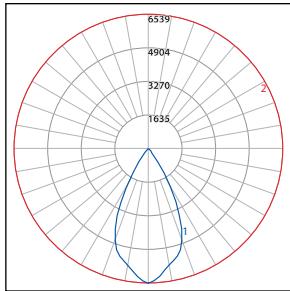
Descriptive information

SQ600-L1L40-R15
 Total Lms: 3998 lumens
 Total input watts: 48 W
 Efficacy: 83 Lumens/Watt
 BUG: B3-UO-GO
 CCT/CRI: 4000K/80
 Maximum candela: 25463 @ 0°



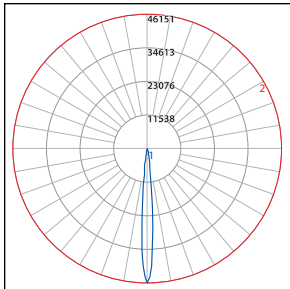
Descriptive information

SQ600-L1L40-R30
 Total Lms: 4102 lumens
 Total input watts: 48 W
 Efficacy: 85 Lumens/Watt
 BUG: B3-UO-GO
 CCT/CRI: 4000K/80
 Maximum candela: 11496 @ 0°



Descriptive information

SQ600-L1L40-R55
 Total Lms: 4369 lumens
 Total input watts: 48 W
 Efficacy: 91 Lumens/Watt
 BUG: B3-UO-GO
 CCT/CRI: 4000K/80
 Maximum candela: 6539 @ 0°



Descriptive information

SQ600-L1L20NR-R9
 Total Lms: 1690 lumens
 Total input watts: 31 W
 Efficacy: 55 Lumens/Watt
 BUG: B2-UO-GO
 CCT/CRI: 4000K/80
 Maximum candela: 46151 @ 0°

Please visit our web site www.luminis.com for complete I.E.S. formatted download data.

Collection of compact exterior luminaires for architectural lighting. Rugged stainless steel construction, with tempered glass lens, these luminaires are designed to perform in extreme conditions. This serie is available in 3 sizes, that can be installed for all in-ground application. Complete range of optic distributions for accent lighting, effects lighting and markers.

Luminaire characteristics:

Power input: 1W to 5.5W (fixture wattage)
Lumens: 7lm to 541lm (for 3000K, 80CRI)
Luminaire efficacy: Up to 106lm/W

Source: LUXEON LED module (LM-80)
 2700K: 80CRI,
 3000K: 80CRI,
 3500K: 80CRI,
 4000K: 80CRI.

Lumen maintenance: ILUF28: 90% of initial lumens at 100 000 hours (L90)
 ILUF50: 80% of initial lumens at 99 000 hours (L80)
 ILUF80: 80% of initial lumens at 99 000 hours (L80)

Optics: Spot, medium, flood, wide flood with Opti Beam technology (comfort versions delivered with an integrated hex cell louver). Wall washer, diffuse, elliptical or light blade.

Material: Body and frame : AISI 304 stainless steel
 Diffuser: 6 to 8 mm extra-clear or opal sodium-calcium tempered glass.
 Optics: PMMA lens or PE film for diffuse optic, clear, black or metalized polycarbonate reflector

Mounting: Ground recessed installation using polypropylene back box with AISI 304 stainless steel ring (to be ordered separately). Supplied with 6ft (1.8m) long outdoor rated power cable. 12" of gravel is required below the luminaire to allow proper drainage.

Electrical: High efficiency LED driver, rated at 50 000 hours. See remote LED driver options on page 3-9.

Finish: Stainless steel, gold/brass, bronze and burnished chrome.

Weight: ILUF28: 0.42lb (0.19kg)
 ILUF50: 1.30lb (0.59kg)
 ILUF80: 3.15lb (1.43kg)

Load capacity: 4 409lb (2 000kg)

Glass surface temperature: 104°F (40°C)

Operating temperature: ILUF28: -13 to 95°F (-25 to 35°C)
 ILUF50: -13 to 122°F (-25 to 50°C)
 ILUF80: -4 to 95°F (-20 to 35°C)

Warranty: 5 year limited warranty

Ratings: ILUF28: IK09, IP66, IP68*
 ILUF50: IK07, IP66, IP68*
 ILUF80: IK09, IP66, IP68*

* Complete immersion for 10 minutes, not suitable for use in swimming pools or fountains.

Certification: cULus listed for wet location.



ORDERING INFO



PRODUCT CODE

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Select remote driver on page 3

MODEL	OUTPUT	LED	OPTIC	VOLTAGE	FINISH
28 1" (28mm)	BO Base output	827 2700K, 80CRI	BL^{2 3} Light blade	REM Remote	13 Stainless steel
50 2" (50mm)	MO^{1 2} Medium output	830 3000K, 80CRI	SP^{1 2 4} Spot - 28mm (14°) - 50mm (8°) - 80mm (8°)		14 Gold / brass
80 3" (80mm)	HO¹ High output	835 3500K, 80CRI	SH^{1 2} Spot Comfort - 50mm (8°) - 80mm (8°)		69 Bronze
		840 4000K, 80CRI	MD^{3 4} Medium - 28mm (22°) - 50mm (24°)		
			MH³ Medium Comfort - 50mm (24°)		
			FL² Flood - 80mm (30°)		
			FH² Flood comfort - 80mm (28°)		
			WF^{2 3} Wide flood - 50mm (42°) - 80mm (50°)		
			WH^{2 3} Wide flood comfort - 50mm (40°) - 80mm (42°)		
			EL^{1 2} Elliptical - 50mm (68°/12°) - 80mm (78°/10°)		
			DI^{1 2 4} Diffuse		
			WW^{1 2} Wall washer		

1 Available for 50 model.

2 Available for 80 model.

3 Available for 50 model with base output (BO).

4 Available for 28 model.

* Back box outer ring finish will match the fixture body finish.

MOUNTING ACCESSORIES (TO BE ORDERED SEPARATELY)

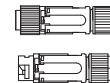
- IX489-XX** - Polypropylene recessed back box for in-ground installation for **ILUF28** Ø5⁵/₁₆" x 4¹/₁₆" (Ø135 x 109mm)
- IX490-XX** - Polypropylene recessed back box for in-ground installation for **ILUF50** Ø6¹/₂" x 4¹/₁₆" (Ø165 x 125mm)
- IX491-XX** - Polypropylene recessed back box for in-ground installation for **ILUF80** Ø7⁷/₁₆" x 4³/₄" (Ø186 x 120mm)
- 9583** - Suction cup for fixture removal



WATERPROOF IP68 FIELD CONNECTOR

For 0.25" - 0.375" (5-9.5mm) cable, 2x 16-24 AWG conductors

- 9015-9016-KIT** - Female and male connector.



WIRING ACCESSORIES (TO BE ORDERED SEPARATELY)

- 9581-02** - Black watertight connectors (x4), rated IP68



REMOTE LED DRIVER OPTIONS (TO BE ORDERED SEPARATELY)

PRODUCT CODE

Outdoor rated drivers

Driver box model	Min-max units								
	ILUF28	ILUF50				ILUF80			
	BO (1W*) SP, FL, DI	BO (1W*) BL, SP, SH, EL, DI, WW	BO (3.8W*) MD, MH, WF, WH	MO (1.4W*) SP, SH, EL, DI	HO (2W*) SP, SH, EL, DI	BO (2.9W / 3W*) BL, WW	BO (3.8W*) SP, SH, FL, FH, WF, WH, EL, DI	MO (4.2W*) BL, WW	MO (5.5W*) SP, SH, FL, FH, WF, WH, EL, DI
4548-0350-006-120-D10	2-5	2-5							
4548-0350-012-120-LTE	3-40	3-40	1-2			1-3	1-2		
4549-0350-019-UNV-ED10	1-17	1-17	1-4			1-5	1-4		
4549-0350-019-UNV-SD10	1-17	1-17	1-4			1-5	1-4		
4548-0500-020-UNV-D10				6-12				2-4	2-3
4548-0500-025-120-LTE				6-15				2-5	2-4
4549-0500-027-UNV-ED10				1-17				1-5	1-4
4549-0500-027-UNV-SD10				1-17				1-5	1-4
4548-0700-004-120-LTE					1				
4548-0700-007-UNV-D10					2-3				
4548-0700-020-UNV-D10					4-8				
4549-0700-030-UNV-ED10					1-12				
4549-0700-030-UNV-SD10					1-12				

Indoor rated drivers

Driver box model	Min-max units								
	ILUF28	ILUF50				ILUF80			
	BO (1W*) SP, FL, DI	BO (1W*) BL, SP, SH, EL, DI, WW	BO (3.8W*) MD, MH, WF, WH	MO (1.4W*) SP, SH, EL, DI	HO (2W*) SP, SH, EL, DI	BO (2.9W / 3W*) BL, WW	BO (3.8W*) SP, SH, FL, FH, WF, WH, EL, DI	MO (4.2W*) BL, WW	MO (5.5W*) SP, SH, FL, FH, WF, WH, EL, DI
4444-0350-006-120-D10	2-5	2-5							
4444-0350-012-120-LTE	3-10	3-10	1-2			1-3	1-2		
4443-0350-013-UNV-D2**	6-12	6-12							
4450-0350-019-UNV-D10	3-16	3-16	1-4			2-5	1-4		
4450-0350-019-UNV-ED10	1-17	1-17	1-4			1-5	1-4		
4450-0350-019-UNV-SD10	1-17	1-17	1-4			1-5	1-4		
4450-0500-027-UNV-ED10				1-17				1-5	1-4
4450-0500-027-UNV-SD10				1-17	1			1-5	1-4
4444-0700-004-120-LTE					1				
4444-0700-007-UNV-D10					2-3				
4443-0700-020-UNV-D2**					4-8				
4450-0700-030-UNV-ED10					1-12				
4450-0700-030-UNV-SD10					1-12				

* Wattage requirement for one (1) fixture (remote fixture only).

** Legacy pricing letter required to order any LUTRON products.

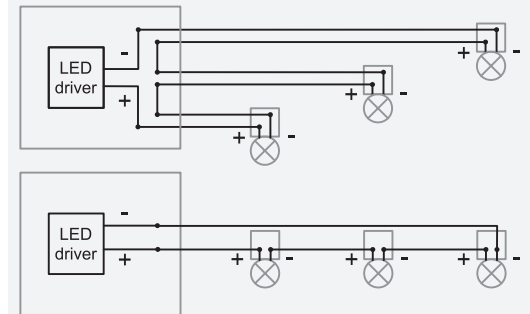
DRIVER BOX MODEL DESCRIPTION

DIMENSION	CONSTANT CURRENT	WATTAGE	VOLTAGE	DIMMING PROTOCOL
4443 5" x 4" x 3" (127 x 102 x 76mm)	0350 350mA	006 to 030 6W to 30W	120 120V	D10 0-10V Max distance: 9m (30ft)* (down to 10%)
4444 6" x 4" x 3" (152 x 102 x 76mm)	0500 500mA		UNV 120-277V	D2 Lutron Hi Lume® 1% EcoSystem™ (Soft-on, Fade to Black) Max distance: 9m (30ft)* (down to 1%)
4450 8" x 8" x 4" (203 x 203 x 102mm)	0700 700mA			ED10 0-10V ELDOLED ECOdrive Max distance: 36m (118ft)* (down to 1%)
4548 6" x 4.5" x 3" (152 x 114 x 76mm)				SD10 0-10V ELDOLED SOLOdrive Max distance: 36m (118ft)* (down to 0.1%)
4549 14.5" x 5" x 3.5" (368 x 127 x 89mm)				LTE Leading edge and trailing edge (ELV and TRIAC) Max distance: 100m (330ft)* (down to 15%)

*Max distance cable calculated for 16AWG cable. Contact customer service for longer remote distance.

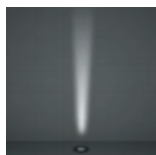
WIRING DIAGRAMS

Multiple luminaires must be connected in series (home run or fixture chain)

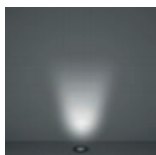


FAMILY OVERVIEW

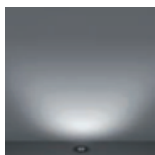
1" (28mm)



Spot (14°)

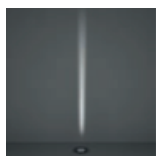
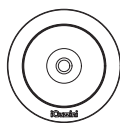


Medium (22°)

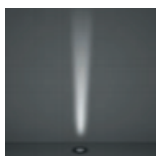


Diffuse

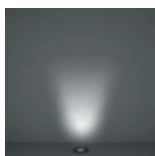
2" (50mm)



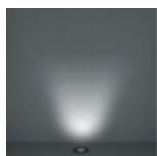
Light blade



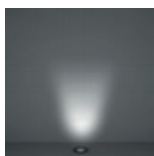
Spot (8°)*



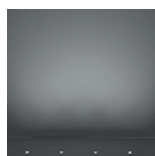
Medium (24°)*



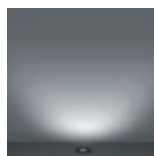
Wide flood (42°)*



Elliptical

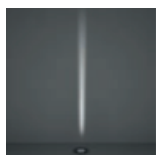
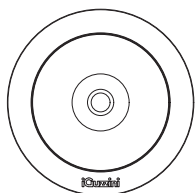


Wall washer

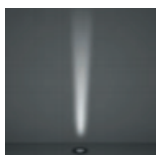


Diffuse

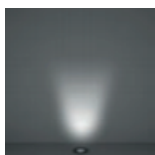
3" (80mm)



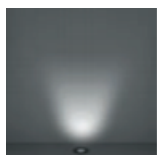
Light blade



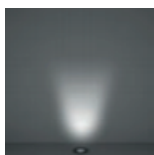
Spot (8°)*



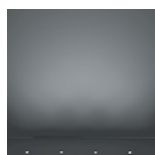
Flood (30°)*



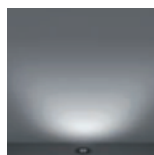
Wide flood (50°)*



Elliptical



Wall washer

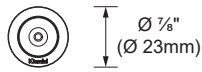


Diffuse

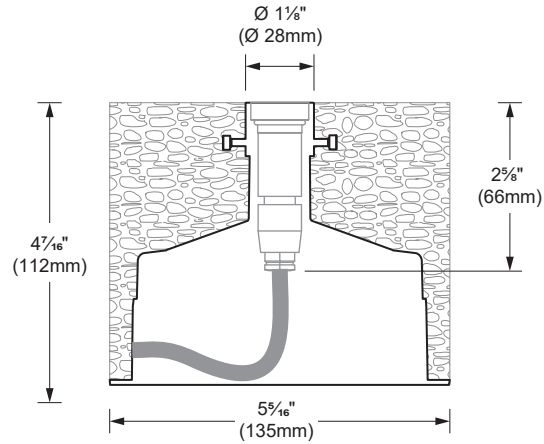
* Optics also offered in Comfort version with honeycomb louver. See photometric information (page 7-11).

DIMENSIONS

1" (28mm)

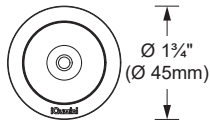


TOP VIEW

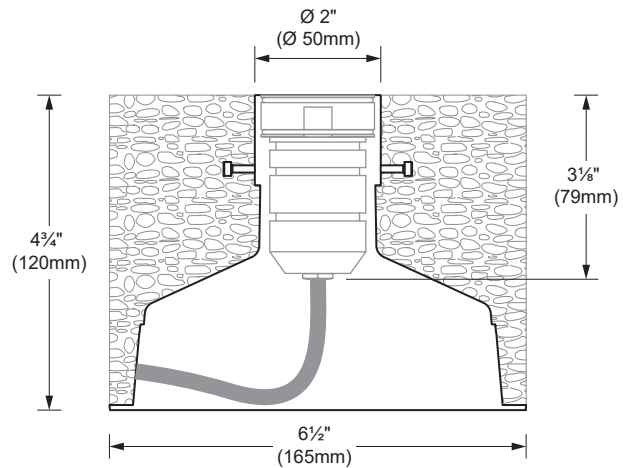


SECTION VIEW

2" (50mm)

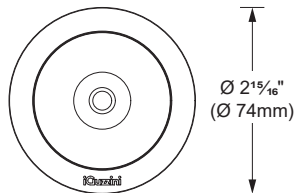


TOP VIEW

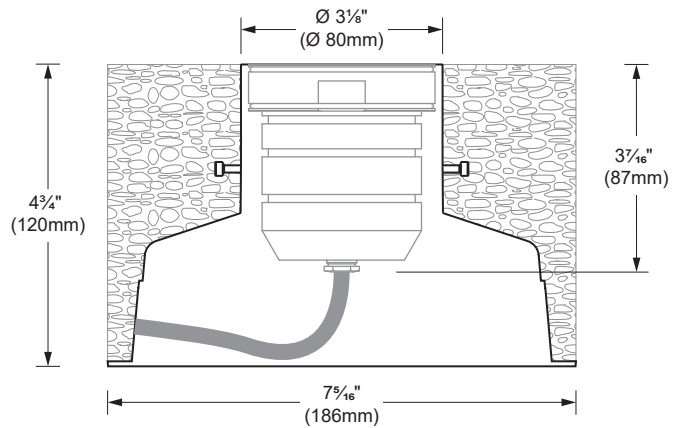


SECTION VIEW

3" (80mm)



TOP VIEW

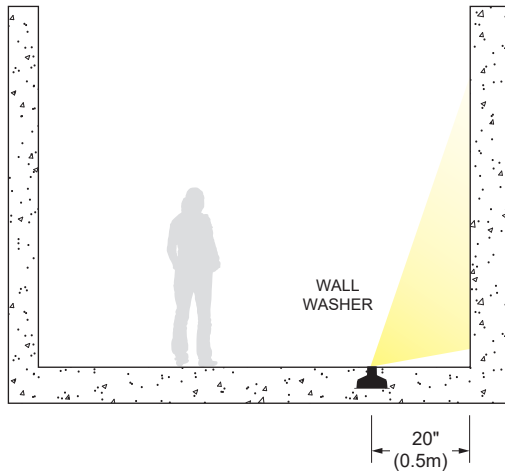


SECTION VIEW

WALL WASHER INSTALLATION

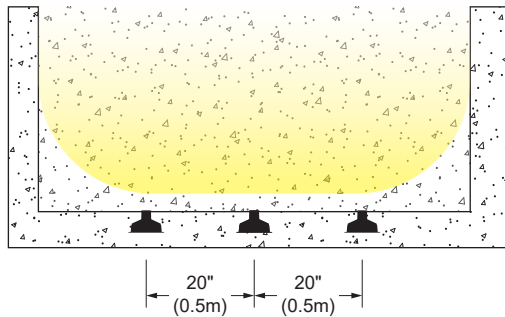
SUGGESTED SURFACE DISTANCE

2" (50mm) / 3" (80mm)



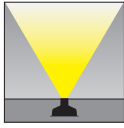
SUGGESTED SPACING FOR UNIFORM DISTRIBUTION

2" (50mm) / 3" (80mm)



PHOTOMETRIC DATA

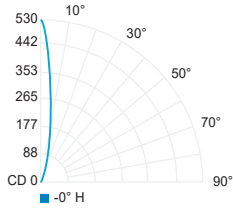
1" (28mm)



CCT (K)	CRI	OUTPUT	LOAD (W)*	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	80	BO	1W	Spot 14°	53	53	522	ILUF28-BO-830-SP
				Medium 22°	56	56	352	ILUF28-BO-830-MD
				Diffuse	7	7	2	ILUF28-BO-830-DI

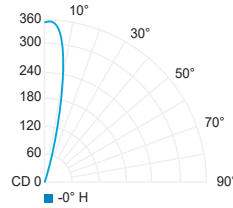
*For products that uses a remote led driver, total system wattage will varies according to the efficacy of the remote led driver selected. For this reason, the load and efficacy values given in the table above refers to the led source only and does not include the led driver consumption.

Spot 14° BO (3000K, 80CRI)



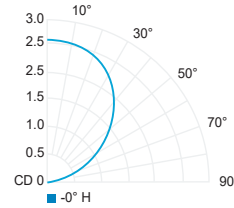
Center beam fc	Beam width ft	
12ft	3.63	2.8
10ft	5.22	2.3
8ft	8.16	1.9
6ft	14.5	1.4
4ft	32.6	0.9
2ft	131	0.5

Medium 22° BO (3000K, 80CRI)



Center beam fc	Beam width ft	
12ft	2.43	4.7
10ft	3.50	3.9
8ft	5.47	3.1
6ft	9.72	2.3
4ft	21.9	1.6
2ft	87.5	0.8

Diffuse BO (3000K, 80CRI)

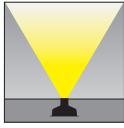


Center beam fc	Beam width ft	
12ft	0.02	33.9
10ft	0.03	28.3
8ft	0.04	22.6
6ft	0.07	17.0
4ft	0.16	11.3
2ft	0.65	5.70

CCT options	2700K	3000K	3500K	4000K
CRI options	80CRI	80CRI	80CRI	80CRI
Multiplier	0.97	1	1.04	1.13

PHOTOMETRIC DATA

2" (50mm)



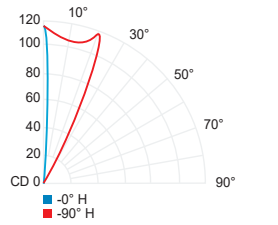
CCT (K)	CRI	OUTPUT	LOAD (W)*	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	80	BO	1W	Light blade	9	9	117	ILUF50-BO-830-BL
				Spot 8°	79	79	1 765	ILUF50-BO-830-SP
				Spot comfort 8°	59	59	1 518	ILUF50-BO-830-SH
			3.8W	Medium 24°	338	88	1 660	ILUF50-BO-830-MD
				Medium comfort 24°	272	71	1 601	ILUF50-BO-830-MH
				Wide flood 42°	357	93	780	ILUF50-BO-830-WF
				Wide flood comfort 40°	240	63	585	ILUF50-BO-830-WH
			1W	Elliptical 68° / 12°	86	86	242	ILUF50-BO-830-EL
				Diffuse	17	17	6	ILUF50-BO-830-DI
		Wall washer		33	33	44	ILUF50-BO-830-WW	
		MO	1.4W	Spot 8°	109	77	2 444	ILUF50-MO-830-SP
				Spot comfort 8°	82	58	2 101	ILUF50-MO-830-SH
				Elliptical 68° / 12°	119	85	335	ILUF50-MO-830-EL
				Diffuse	23	16	8	ILUF50-MO-830-DI
		HO	2W	Spot 8°	146	73	3 259	ILUF50-HO-830-SP
				Spot comfort 8°	110	55	2 802	ILUF50-HO-830-SH
				Elliptical 68° / 12°	158	79	447	ILUF50-HO-830-EL
				Diffuse	30	15	10	ILUF50-HO-830-DI

*For products that uses a remote led driver, total system wattage will varies according to the efficacy of the remote led driver selected. For this reason, the load and efficacy values given in the table above refers to the led source only and does not include the led driver consumption.

CCT options	2700K	3000K	3500K	4000K
CRI options	80CRI	80CRI	80CRI	80CRI
Multiplier	0.97	1	1.04	1.13

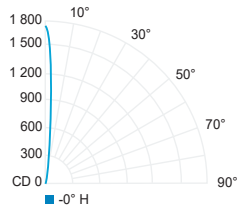
2" (50mm)

Light blade BO (3000K, 80CRI)



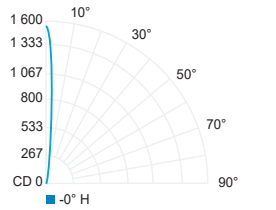
	Center beam fc	Beam width ft
12ft	0.80	1.1
10ft	1.15	0.9
8ft	1.79	0.7
6ft	3.19	0.5
4ft	7.17	0.4
2ft	28.7	0.2

Spot 8° BO (3000K, 80CRI)



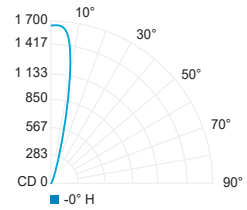
	Center beam fc	Beam width ft
12ft	12.3	1.6
10ft	17.7	1.3
8ft	27.6	1.1
6ft	49.0	0.8
4ft	110	0.5
2ft	441	0.3

Spot comfort 8° BO (3000K, 80CRI)



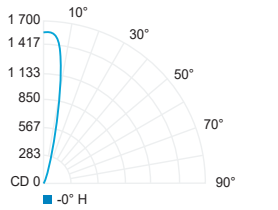
	Center beam fc	Beam width ft
12ft	10.5	1.6
10ft	15.2	1.3
8ft	23.7	1.1
6ft	42.2	0.8
4ft	94.9	0.5
2ft	380	0.3

Medium 24° BO (3000K, 80CRI)



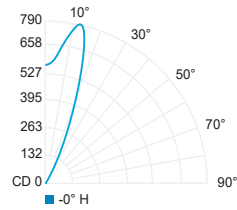
	Center beam fc	Beam width ft
12ft	11.5	5.2
10ft	16.5	4.4
8ft	25.8	3.5
6ft	45.9	2.6
4ft	103	1.7
2ft	413	0.9

Medium comfort 24° BO (3000K, 80CRI)



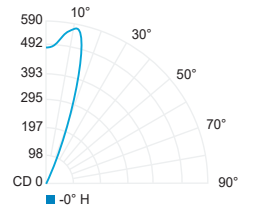
	Center beam fc	Beam width ft
12ft	11.0	4.8
10ft	15.8	4.0
8ft	24.7	3.2
6ft	43.9	2.4
4ft	98.8	1.6
2ft	395	0.8

Wide flood 42° BO (3000K, 80CRI)



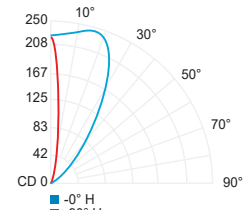
	Center beam fc	Beam width ft
12ft	3.96	8.1
10ft	5.70	6.7
8ft	8.91	5.4
6ft	15.8	4.0
4ft	35.6	2.7
2ft	143	1.3

Wide flood comfort 40° BO (3000K, 80CRI)



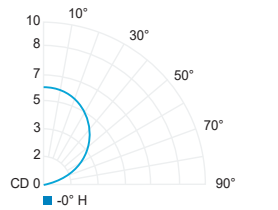
	Center beam fc	Beam width ft
12ft	3.41	7.3
10ft	4.91	6.1
8ft	7.67	4.9
6ft	13.6	3.7
4ft	30.7	2.4
2ft	123	1.2

Elliptical 68° / 12° BO (3000K, 80CRI)



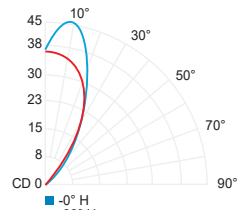
	Center beam fc	Beam width ft
12ft	1.57	16.4
10ft	2.26	13.7
8ft	3.54	10.9
6ft	6.29	8.2
4ft	14.2	5.5
2ft	56.6	2.7

Diffuse BO (3000K, 80CRI)



	Center beam fc	Beam width ft
12ft	0.04	35.7
10ft	0.06	29.8
8ft	0.09	23.8
6ft	0.17	17.9
4ft	0.37	11.9
2ft	1.49	6.0

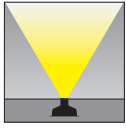
Wall washer BO (3000K, 80CRI)



	Center beam fc	Beam width ft
12ft	0.04	35.7
10ft	0.06	29.8
8ft	0.09	23.8
6ft	0.17	17.9
4ft	0.37	11.9
2ft	1.49	6.0

PHOTOMETRIC DATA

3" (80mm)



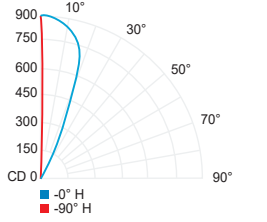
CCT (K)	CRI	OUTPUT	LOAD (W)*	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	80	BO	2.9W	Light blade	31	10	897	ILUF80-BO-830-BL
			4W	Spot 8°	406	106	8 515	ILUF80-BO-830-SP
				Spot comfort 8°	310	81	7 533	ILUF80-BO-830-SH
				Flood 30°	379	99	1 421	ILUF80-BO-830-FL
				Flood comfort 28°	268	70	1 129	ILUF80-BO-830-FH
				Wide flood 50°	365	96	583	ILUF80-BO-830-WF
				Wide flood comfort 42°	230	60	523	ILUF80-BO-830-WH
				Elliptical 78° / 10°	393	103	1 108	ILUF80-BO-830-EL
			Diffuse	66	17	22	ILUF80-BO-830-DI	
		3W	Wall washer	164	54	196	ILUF80-BO-830-WW	
		MO	4.2W	Light blade	41	9	1 197	ILUF80-MO-830-BL
			5.5W	Spot 8°	541	98	11 353	ILUF80-MO-830-SP
				Spot comfort 8°	413	75	10 044	ILUF80-MO-830-SH
				Flood 30°	497	90	1 865	ILUF80-MO-830-MD
				Flood comfort 28°	352	64	1 482	ILUF80-MO-830-FH
				Wide flood 50°	357	93	766	ILUF80-MO-830-WF
				Wide flood comfort 42°	302	54	686	ILUF80-MO-830-WH
				Elliptical 78° / 10°	524	95	1 477	ILUF80-MO-830-EL
			5.4W	Diffuse	87	16	29	ILUF80-MO-830-DI
		4.2W	Wall washer	218	51	261	ILUF80-MO-830-WW	

*For products that uses a remote led driver, total system wattage will varies according to the efficacy of the remote led driver selected. For this reason, the load and efficacy values given in the table above refers to the led source only and does not include the led driver consumption.

CCT options	2700K	3000K	3500K	4000K
CRI options	80CRI	80CRI	80CRI	80CRI
Multiplier	0.97	1	1.04	1.13

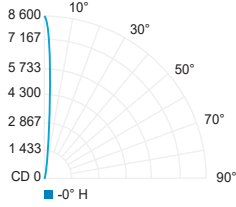
3" (80mm)

Light blade BO (3000K, 80CRI)



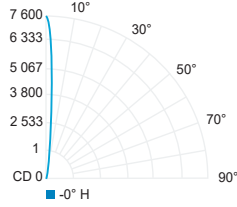
	Center beam fc	Beam width ft
12ft	6.14	9.5
10ft	8.84	7.9
8ft	13.8	6.3
6ft	24.6	4.8
4ft	55.3	3.2
2ft	221	1.6

Spot 8° BO (3000K, 80CRI)



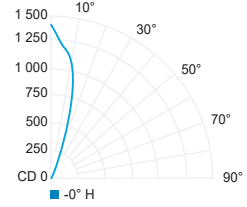
	Center beam fc	Beam width ft
12ft	59.1	1.9
10ft	85.2	1.5
8ft	133	1.2
6ft	237	0.9
4ft	332	0.6
2ft	2 129	0.3

Spot comfort 8° BO (3000K, 80CRI)



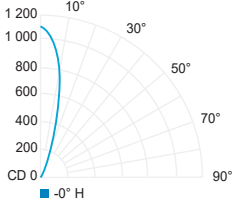
	Center beam fc	Beam width ft
12ft	52.3	1.8
10ft	75.3	1.5
8ft	118	1.2
6ft	209	0.9
4ft	171	0.6
2ft	1 883	0.3

Flood 30° BO (3000K, 80CRI)



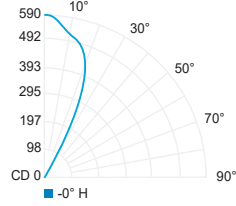
	Center beam fc	Beam width ft
12ft	9.87	6.6
10ft	14.2	5.5
8ft	22.2	4.4
6ft	39.5	3.3
4ft	88.8	2.2
2ft	355	1.1

Flood comfort 28° BO (3000K, 80CRI)



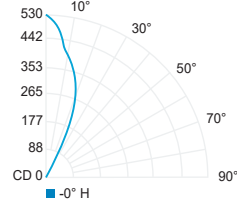
	Center beam fc	Beam width ft
12ft	7.84	6.1
10ft	11.3	5.0
8ft	17.6	4.0
6ft	31.4	3.0
4ft	70.6	2.0
2ft	282	1.0

Wide flood 50° BO (3000K, 80CRI)



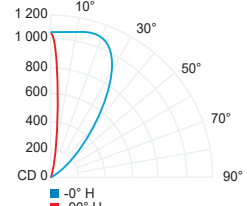
	Center beam fc	Beam width ft
12ft	4.05	11.3
10ft	5.84	9.4
8ft	9.12	7.5
6ft	16.2	5.7
4ft	36.8	3.6
2ft	146	1.9

Wide flood comfort 42° BO (3000K, 80CRI)



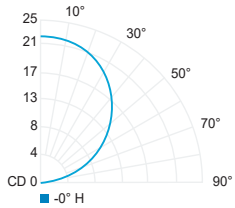
	Center beam fc	Beam width ft
12ft	3.62	8.8
10ft	5.22	7.4
8ft	8.15	5.9
6ft	14.5	4.4
4ft	32.6	2.9
2ft	130	1.5

Elliptical 78° / 10° BO (3000K, 80CRI)



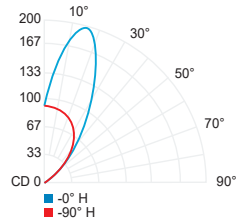
	Center beam fc	Beam width ft
12ft	7.43	19.3
10ft	10.7	16.1
8ft	16.7	12.8
6ft	29.7	9.6
4ft	66.9	6.4
2ft	267	3.2

Diffuse BO (3000K, 80CRI)



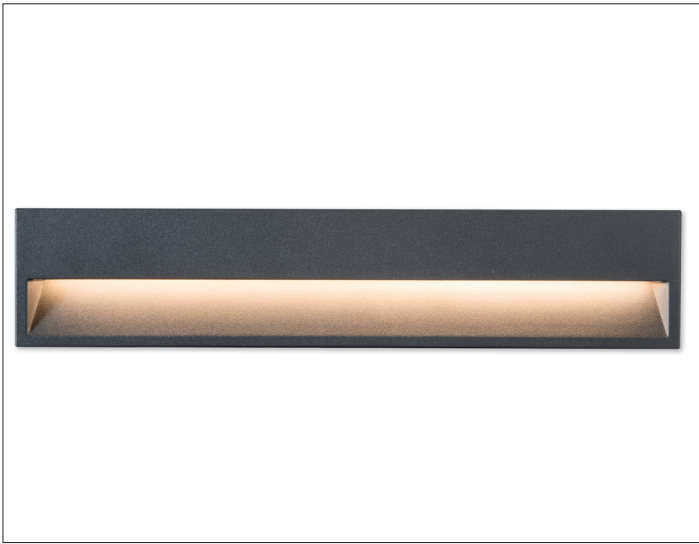
	Center beam fc	Beam width ft
12ft	0.16	38.1
10ft	0.22	31.7
8ft	0.35	25.4
6ft	0.62	19.0
4ft	1.40	12.7
2ft	5.60	6.3

Wall washer BO (3000K, 80CRI)

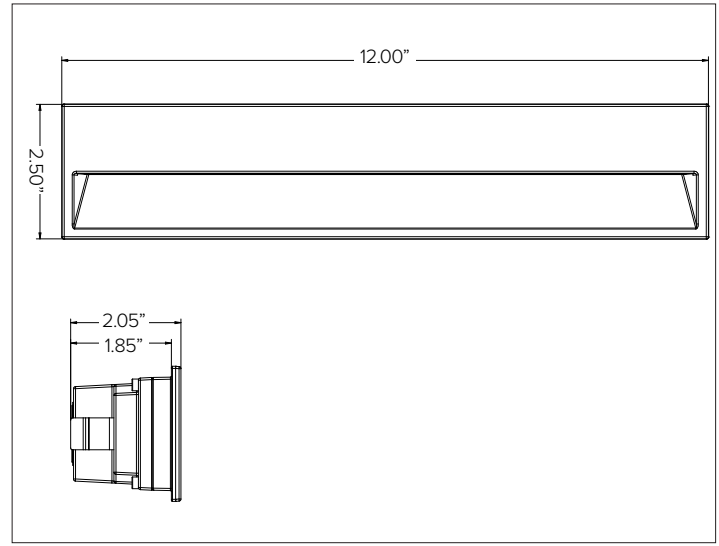


ZEDGE LINE

Recessed Direct View Linear Line Voltage Steplight



Shown in Ferrite Grey finish.



CONCEPT

Recessed LED steplight for indoor and outdoor applications. Designed in collaboration with Gensler as Product Design Consultant.

MECHANICAL CHARACTERISTICS

Housing	2.50"H x 12.00"W x 2.05"D
Materials	Die-cast anodized aluminum body and external powder coated frame.
Finish	Textured finish. ● Ferrite Dark Grey ● Heritage Brown ● Bronze ● Black ● White ● Sandstone Grey
Power Connection	Pre-wired with 6" lead for direct line voltage and dimming connection.
Mounting	To be completed with installation back box for flush or semi-flush installations
BUG	B0-U0-G0
Weight	1.54lbs
Protection	IP66
Impact	IK10

CERTIFICATIONS

cULus Wet Location Listed.
 Tested in accordance with LM-79-08.
 Compliant for California installations.
 RoHS3 EU 215/863

WARRANTY

5 year limited warranty

SUSTAINABILITY

Luminaire designed for disposal/recycling at end-of-life. Replaceable LED light source and control gear by a Targetti technician.

ELECTRICAL CHARACTERISTICS

Power Supply	Integrated 4/1 smart driver (Non-dimmable / 0-10V / Reverse Phase / Forward Phase). Dimmable to <10% via 0-10V or <15% via Phase.
Wattage	9W
Voltage	Universal Voltage 120-277V AC 50/60Hz
Operating Temp.	-25°C / +35°C

SOURCE

LED High efficiency Board.

TM30	CCT (Nominal)	CRI	Rf	Rg	SDCM
	2700K	80	83	97.3	2
	3000K	80	82.9	97	2
	3500K	80	83.6	96.5	2
	4000K	80	84	95.7	2

Ra90 available upon request

OPTIC

Polycarbonate opal lens for uniform optical distribution on the floor and excellent visual comfort.

Beam	88°x48°
Delivered Lumens	2700K 230Lm 3000K 245Lm 3500K 251Lm 4000K 257Lm
Efficacy	31Lm/W max. Refer to photometric graphs for specific values.
Lifetime	L95/B10 30,000hrs at max TA +25°C L91/B10 50,000hrs at max TA +25°C
Photobiological Classification	Low risk photobiological safety RG1

ZEDGE LINE

SPECIFICATION INFORMATION

ZEL	41						/	
1	2	3	4	5	6	7	8	
Ex: ZEL41FWFEL230 / 1E3447						OPTIONAL	REQUIRED	

1 - PRODUCT CODE	2 - DRIVER	3 - FACEPLATE	4 - FINISH	5 - WATTAGE	6 - KELVIN	7 - OPTIONAL
ZEL — ZEDGE LINE	41 — 4/1 Smart Dimming (Non-Dimming / 0-10V / Reverse Phase / Forward Phase)	FW — Floor Washer	FE — Ferrite Dark Grey HB — Heritage Brown BZ — Bronze WT — White BT — Black SG — Sandstone Grey RAL — Custom RAL	L2 — 9W	27 — 2700K 30 — 3000K 35 — 3500K 40 — 4000K	MG ^A — Marine Grade

8 - INSTALLATION

[Installation Box](#)
See section for details

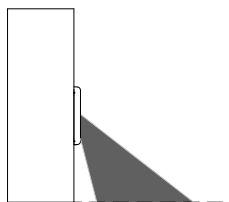
^A Marine Grade is recommended for use in environments with occasional exposure to salt air, reclaimed water, fertilizers, chemical cleaners, or frequent pressure washing (steam) cleaning. Fixture housing complete with marine grade cathaphoresis suitable for use in marine grade environments. Not to be in direct contact with salt or corrosive agents for extended periods of time.

For applicable quick ship items, see model configurations listed below. Lead time for quick ship fixtures is 1-2 weeks from processed PO date. Consult factory for quantities of over 20pcs to confirm lead time.



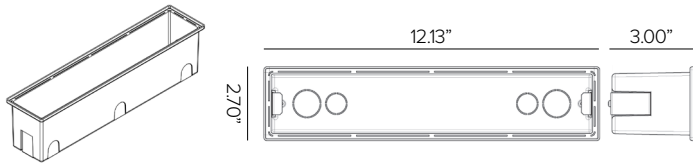
FACEPLATE STYLE

(FW) FLOOR WASHER



ZEDGE LINE

8 – INSTALLATION (REQUIRED)

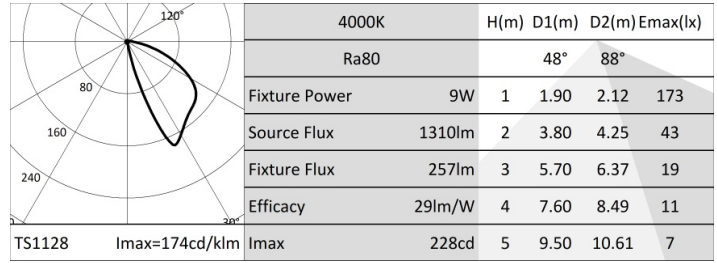
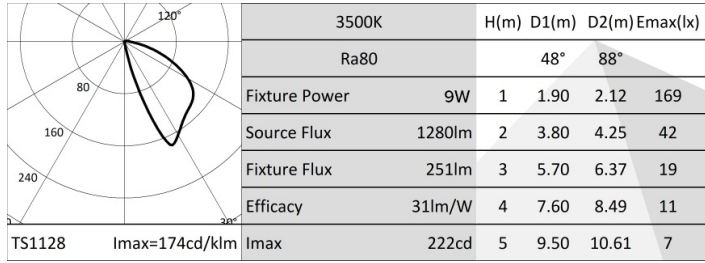
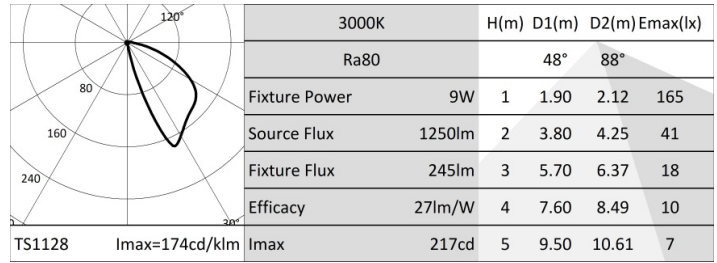
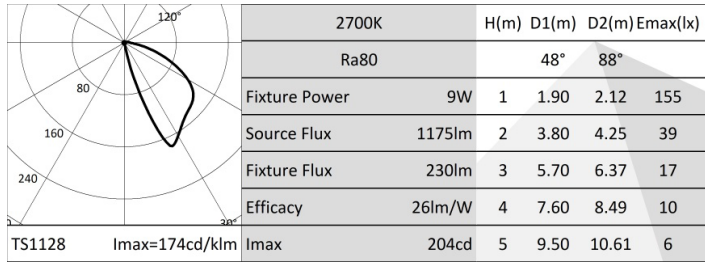


PVC installation back box for flush or semi-flush installations, black finish. 3/4" and 1/2" knock-outs made for EMT connectors and conduit entry. Suitable for concrete pour, drywall, or stucco applications.

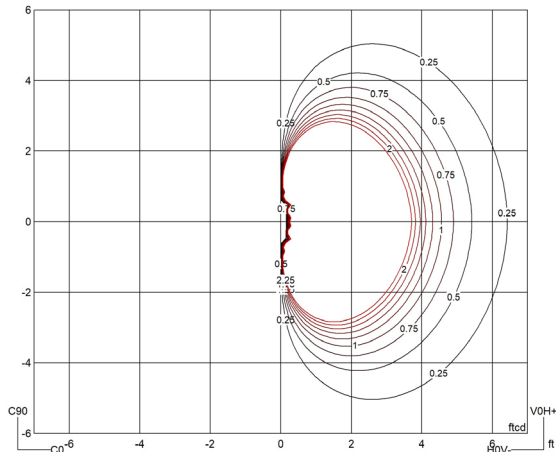
Part No. **1E3447**

ZEDGE LINE

PHOTOMETRY

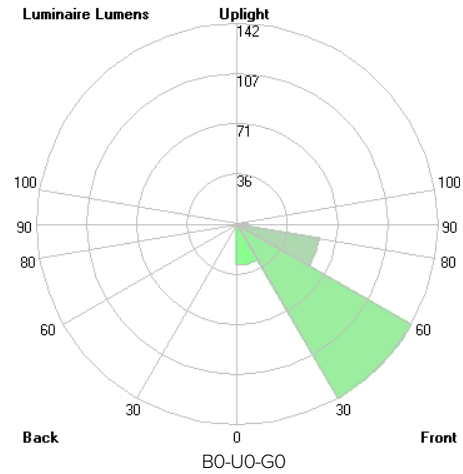


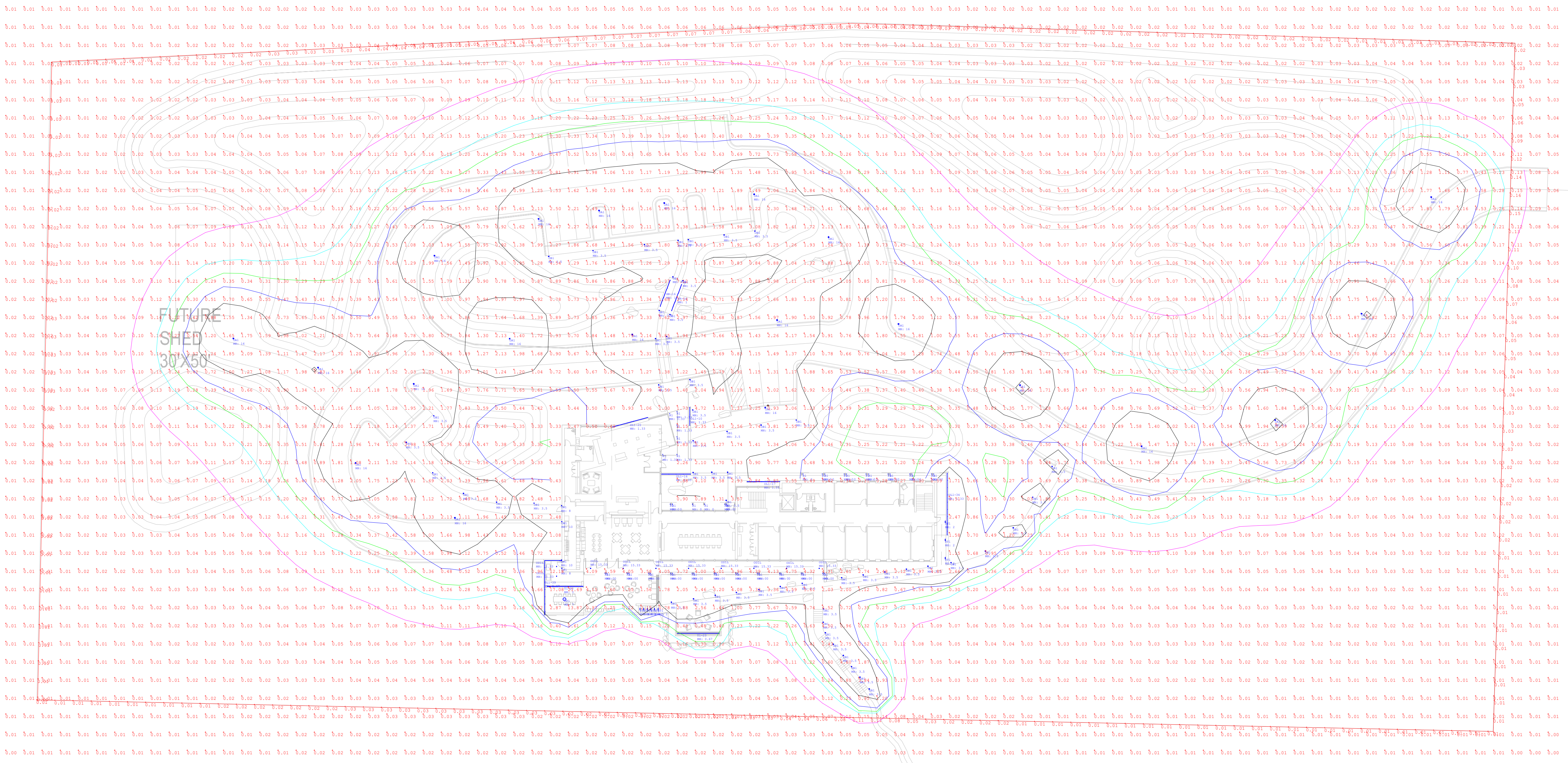
ISOLUX DIAGRAM



MOUNTING HEIGHT = 18"

LCS GRAPH





Qty	Label	MFG	Description	LF	Lum. Watts	Total Watts
2	HR-16	COLE LTG	LR6xLED xx INT xx K FL 16FT	0.010	N.A.	55.68
21	DA1	LUMINIS	LQ94DL104-LQR117-4v(wh)-(f)sh)-Kxx	0.950	103	2163
55	DB1	LUMINIS	LQ41314L-4v(wh)-(f)sh)-Kxx	0.950	10	550
10	OD1L	LITHONIA	LDN4SD AL02 SW11 L54R LSS MVOLT (d)wh) (1900LM)	0.950	13	130
1	DL1-10	LUMENPULSE	LOGN-2W-4BV-16FTxxK-90-10x30CL-XX-(f)sh)	0.950	N.A.	20.1
1	DL1-16	LUMENPULSE	LOGN-2W-4BV-16FTxxK-90-10x30CL-XX-(f)sh)	0.950	N.A.	32
1	DL1-17	LUMENPULSE	LOGN-2W-4BV-17FTxxK-90-10x30CL-XX-(f)sh)	0.950	N.A.	36.1
1	DL1-20	LUMENPULSE	LOGN-2W-4BV-20FTxxK-90-10x30CL-XX-(f)sh)	0.950	N.A.	40
1	DL1-34	LUMENPULSE	LOGN-2W-4BV-34FTxxK-90-10x30CL-XX-(f)sh)	0.950	N.A.	68.1
1	DL1-39	LUMENPULSE	LOGN-2W-4BV-39FTxxK-90-10x30CL-XX-(f)sh)	0.950	N.A.	78.3
1	OP1	MODERN FORMS	PD-W24320-30	0.950	60.8	60.8
4	OW1	LUMINIS	SQ004-1L15-R55-(v)wh)-(f)sh)-Kxx	0.950	15	60
47	R1	IGUZZINI	ELUF50-MD-8xx-SH-REM-(f)sh)-Kxx	0.950	14	65.8
9	ST1	TARGETTI	ZEL41PwAL2xx	0.950	9	81
1	T1-30	ACOLYTE	NLC-3-0xx-E-2PFT + POWER SUPPLY	0.950	N.A.	57.18
1	T1-23	ACOLYTE	NLC-3-0xx-E-2PFT + POWER SUPPLY	0.950	N.A.	66.71

Label	Units	Avg	Max	Min	Max/Mn	Avg/Mn
Presumed Property Line	Fc	0.03	0.16	0.01	16.00	3.00
Large Parking Area	Fc	1.34	2.6	0.4	6.50	3.35
Small Parking Area 1	Fc	1.47	2.0	1.1	1.82	1.34
Small Parking Area 2	Fc	1.40	2.0	0.9	2.22	1.58

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#	DATE	COMMENTS
REVISIONS		

DRAWN BY : JT	DATE : 1-19-2024	SCALE : 1/32" = 1'
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SUB-ZERO BARN	FITCHBURG, WI	SITE LIGHTING LAYOUT
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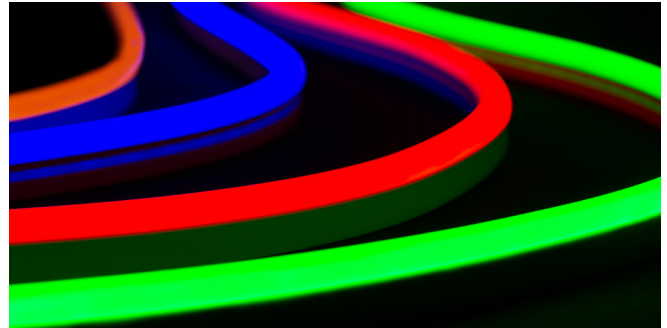
NEON CONTOUR

It's like neon, but better! This bendable, waterproof silicone fixture uses a rounded lens that gives modern LEDs the classic glow of neon tubes. Available in Static White, Variable White and color changing RGB, the Neon Contour is designed to brave the elements in façade lighting and lettering.

- Side-bending flexible silicone creates vivid tubes of light
- RGB, Static White, Variable White at 3.0 W/ft (9.8 W/m)
- All cut lengths at 1.97 in. (50 mm)
- Waterproof and UV resistant
- Unique rounded design helps create signature styles

Applications:

Commercial	Hospitality	Residential
Entertainment	Museums	Retail / Signage
Healthcare	Public Spaces	



ORDERING GUIDE

Category	Wattage & Color	Power Feed Direction
NLC		
NLC - Neon Contour	3.024 - 3.0 W/ft (9.8 W/m) 2400K 3.027 - 3.0 W/ft (9.8 W/m) 2700K 3.030 - 3.0 W/ft (9.8 W/m) 3000K 3.035 - 3.0 W/ft (9.8 W/m) 3500K 3.040 - 3.0 W/ft (9.8 W/m) 4000K	3.0RGB - 3.0 W/ft (9.8 W/m) Red, Green, Blue 3.0VW - 3.0 W/ft (9.8 W/m) Variable White (2400K-6000K)
		E - End Feed B - Bottom Feed

Mounting

1. Aluminum Mounting Clip

Recommended for curved applications with 6 in. (150 mm) on center spacing
Part #: NLCMOUNTCLIPV2

2. Neon Contour Mounting Channel

Recommended for all straight run applications
Sold by the foot, up to 6 ft 6 in. / 2 m
Part #: NLCCHV2

AVAILABLE COLORS AND COLOR TEMPERATURES



POWER FEED OPTIONS / SPECIFICATIONS / USAGE GUIDELINES

SPECIFICATIONS	NEON CONTOUR
Operating Voltage	24V DC
Power Consumption	Static White, Variable White, RGB: 3.0 W/ft (9.8 W/m)
Protection Rating	IP67
Beam Angle	110°
Dimming	ELV / MLV / 0-10 Volt / DMX
Operating Temperature	-4° F to 140° F (-20° C to 60° C)
Color Temperatures / Colors	2400K, 2700K, 3000K, 3500K, 4000K, Variable White (2400K-6000K), RGB
Lamp Life	50,000 Hours
Max Length	Static White: 42 ft 7.81 in. (13 m) Variable White, RGB: 16 ft 4.85 in. (5 m)
Cutable Length	1.97 in. (50 mm) NOT FIELD CUTTABLE
Power Cable Length	Standard: 12 in. (304.8 mm) / Custom: up to 20 ft (6 m)
UV Resistant	UV tested in accordance with ISO 4892-3 with no visible change on the appearance of the sample
Minimum Bend Diameter	7.87 in. (200 mm)
CRI (white)	90+ for all Color Temperatures
Lumens	3.0 Static White 4000K: 152 lm/ft (498.6 lm/m), 38 lm/W
	3.0 Variable White 150 lm/ft (492 lm/m), 34 lm/W
	3.0 RGB
	Red: 11 lm/ft (36.1 lm/m), 11 lm/W Green: 43 lm/ft (141 lm/m), 29 lm/W Blue: 9 lm/ft (29.5 lm/m), 5 lm/W
	All LEDs at 100%: 63 lm/ft (206.6 lm/m), 21 lm/W

MOLDED END CAPS



Molded End Cap



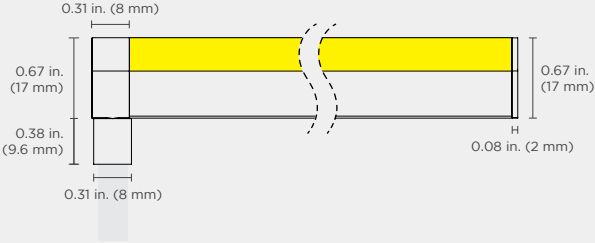
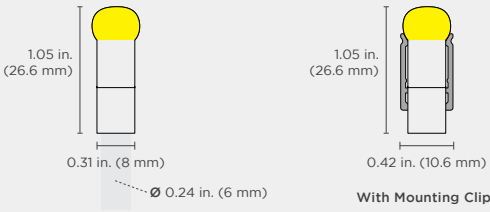
Molded Power Feed End Cap

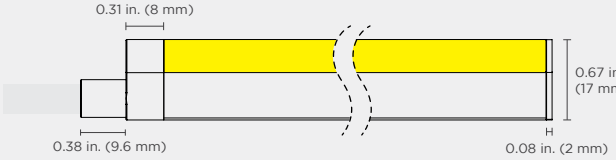
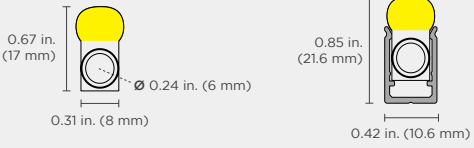
USAGE GUIDELINES

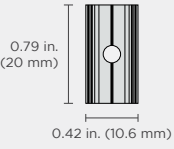
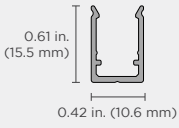
- Neon Contour cannot be cut in the field. All custom cuts and connections for these models must be performed at the factory to ensure waterproofing standards are met. Any modification of the waterproofing will result in a voided warranty.
- When installing this product take into account the surface temperature of the material where it will be mounted. Many building surfaces which are exposed to direct sunlight exceed the 140° F/60° C maximum that our product is rated for. High-risk locations like this should be avoided.
- This product is not intended to be submerged in pools and fountains and does not carry UL 676 certification to do so. Available for download at: www.GENLEDBrands.com/Acolyte
- Compatible with a wide variety of control products including the entire line of Lutron dimming systems.
- For use with Acolyte drivers, triac dimming modules, and 0-10 modules.
- Use with non-Acolyte triac, MLV or ELV drivers is not supported or warranted
- Due to the cuttable points inside, this product's cuttable lengths are generally longer or shorter than the customer requested length. Unless specified, this product is factory cut at the shorter cuttable point
- This product can be used in wet, outdoor locations around swimming pools and spa tubs, but not submerged in swimming pools and spa tubs.
- We reserve the right to make changes to product lineup, specifications, design and finishes at any time without notice.

Acolyte does not warrant or represent that the information is free from errors or omission. The information may change without notice and Acolyte is not in any way liable for the accuracy of any information printed and stored or in any way interpreted or used.

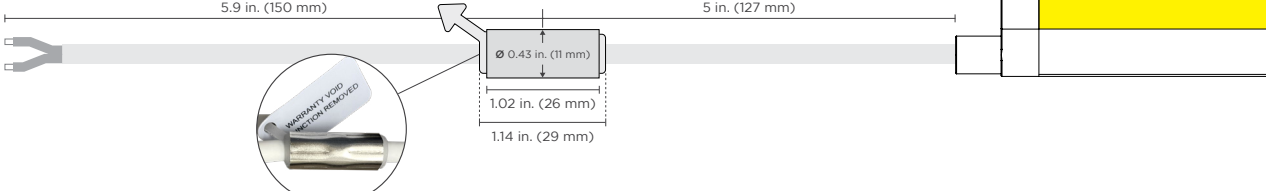
DIMENSIONS & DIAGRAMS - STATIC WHITE & VARIABLE WHITE MODELS WITH MOLDED END CAPS

WITH BOTTOM FEED MOLDED END CAP	
<p>Side View</p>  <p>Max Lengths: Static White: 42 ft 7.81 in. (13 m) Variable White: 16 ft 4.85 in. (5 m)</p>	<p>End View</p>  <p>Bottom Width: 0.31 in. (8 mm) Height: 1.05 in. (26.6 mm) Cable Diameter: 0.24 in. (6 mm)</p> <p>Width: 0.42 in. (10.6 mm) Height: 1.05 in. (26.6 mm)</p>

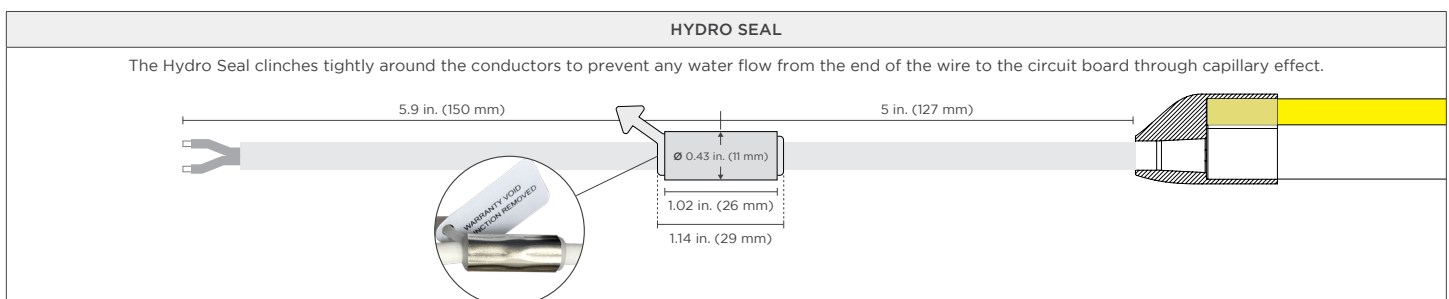
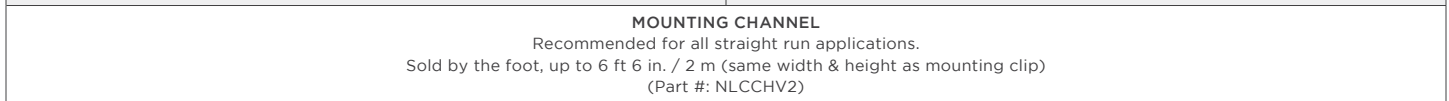
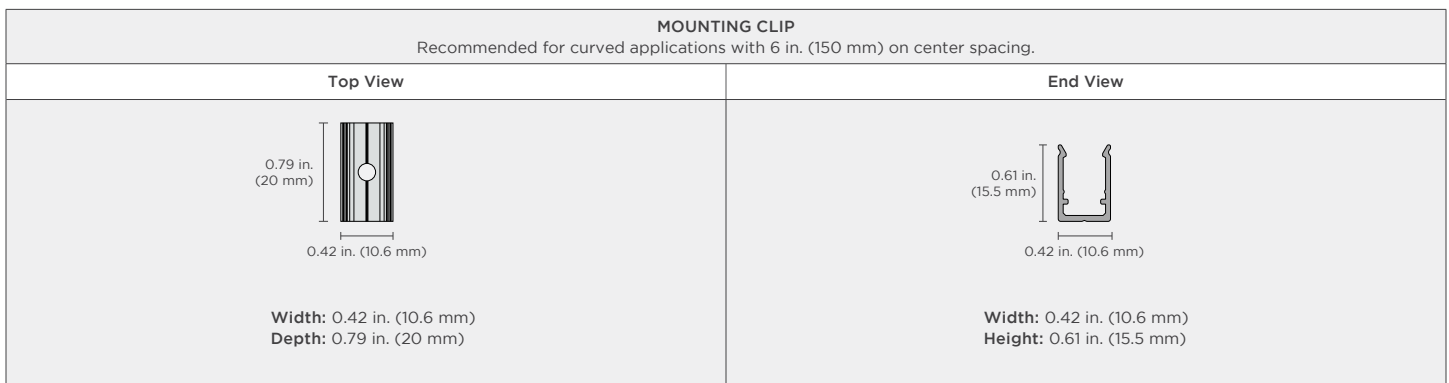
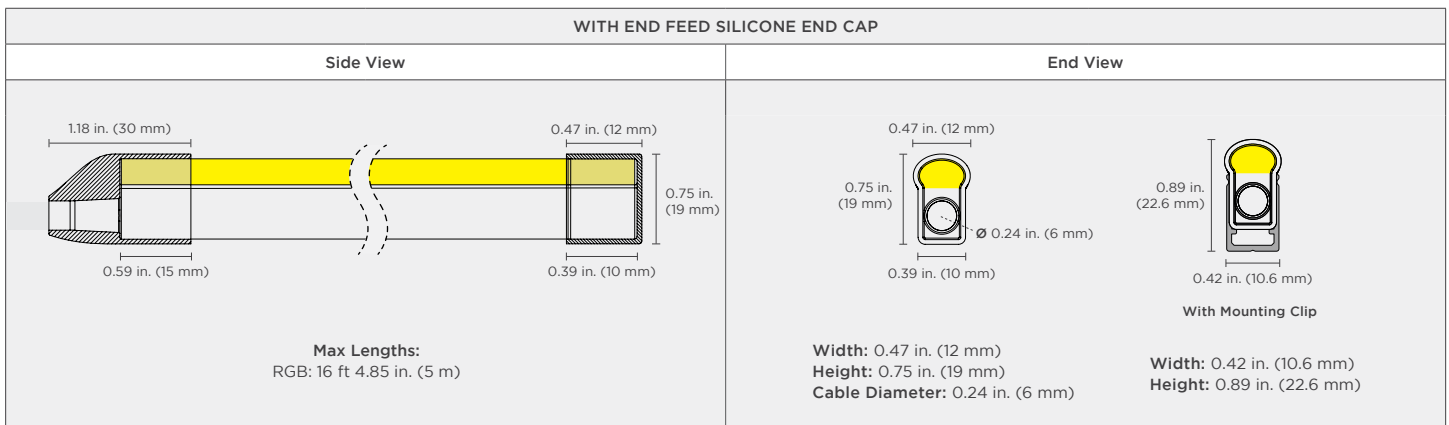
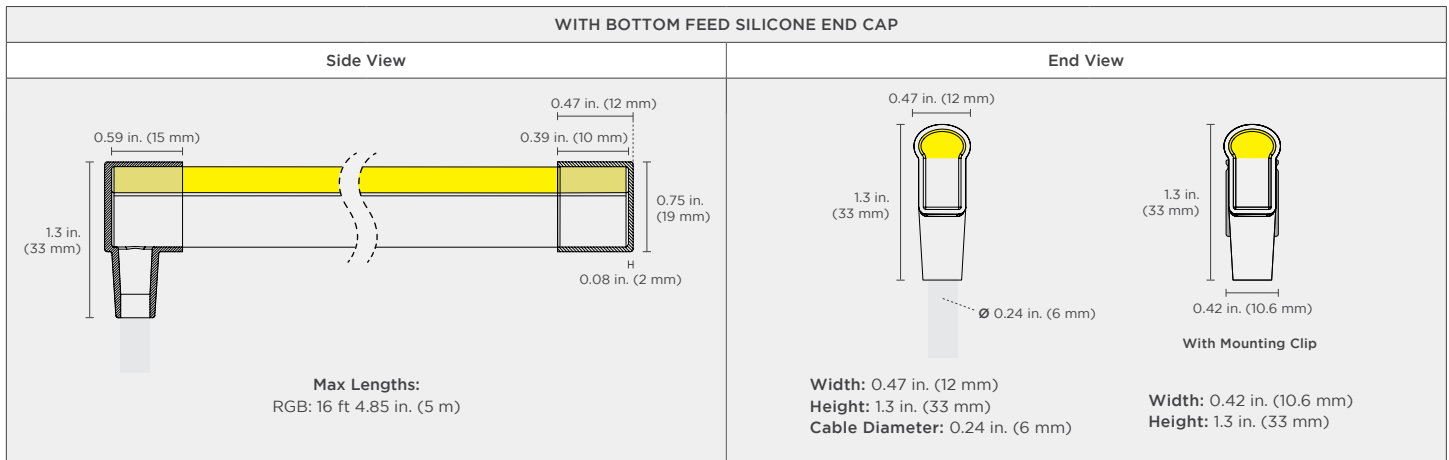
WITH END FEED MOLDED END CAP	
<p>Side View</p>  <p>Max Lengths: Static White: 42 ft 7.81 in. (13 m) Variable White: 16 ft 4.85 in. (5 m)</p>	<p>End View</p>  <p>Bottom Width: 0.31 in. (8 mm) Height: 0.67 in. (17 mm) Cable Diameter: 0.24 in. (6 mm)</p> <p>Width: 0.42 in. (10.6 mm) Height: 0.85 in. (21.6 mm)</p>

MOUNTING CLIP	
Recommended for curved applications with 6 in. (150 mm) on center spacing.	
<p>Top View</p>  <p>Width: 0.42 in. (10.6 mm) Depth: 0.79 in. (20 mm)</p>	<p>End View</p>  <p>Width: 0.42 in. (10.6 mm) Height: 0.61 in. (15.5 mm)</p>

MOUNTING CHANNEL	
Recommended for all straight run applications. Sold by the foot, up to 6 ft 6 in. / 2 m (same width & height as mounting clip) (Part #: NLCCHV2)	

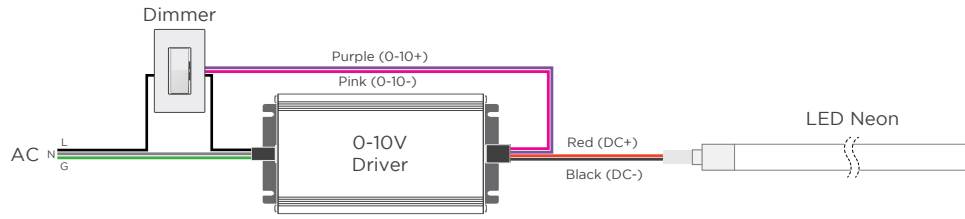
HYDRO SEAL	
The Hydro Seal clinches tightly around the conductors to prevent any water flow from the end of the wire to the circuit board through capillary effect.	
	

DIMENSIONS & DIAGRAMS - RGB MODELS WITH SILICONE END CAPS

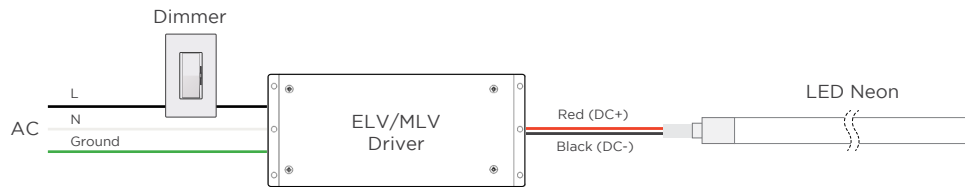


WIRING DIAGRAMS

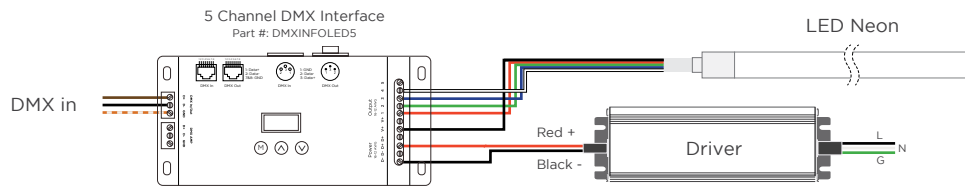
0-10V



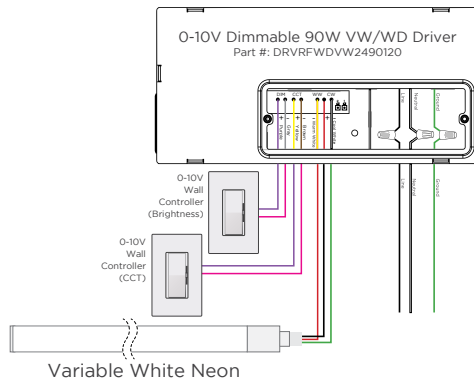
MLV / ELV



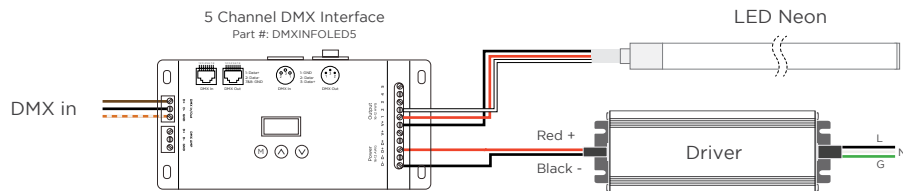
DMX



2-CHANNEL VARIABLE WHITE DIMMING



DMX WIRING DIAGRAM - COMPATIBLE WITH ALL MODELS OF VARIABLE WHITE RIBBONLYTE



WIRE COLORS PER RIBBONLYTE COLOR

STATIC WHITE
Red Wire (+) Positive
Black Wire (-) Negative

RGB
Black Wire (+) Positive
Red Wire (-) goes to Red Channel
Green Wire (-) goes to Green Channel
Blue Wire (-) goes to Blue Channel

VARIABLE WHITE
Black Wire (+) Positive
Red Wire (-) goes to Warm White Channel
White Wire (-) goes to Cool White Channel