



office of architecture and design

210 N. 6th St., Boise, Idaho 83702 • phone 208-830-7030 • email: brian@oaandd.com

August 8, 2019

Garden City  
Chris Samples  
Planning and Zoning  
6015 N. Glenwood Street  
Garden City, ID 83714

Re: Design Review  
Giraffe Laugh – Day Care Facility

Dear Planning Staff;

OA+D is pleased to submit the attached Resign Review Application and supporting materials for a Giraffe Laugh Day Care Facility located at 3203 + 3231 Chinden Blvd. The project is located in a C-1 zone. The proposed 6,551 square foot building will have classrooms and administration areas on the 5,282 square foot 1<sup>st</sup> floor, with supporting administration areas on the 1,269 second floor.

The design of this building directly addresses the street by placing the corner along the setbacks of Chinden Blvd. and 32<sup>nd</sup> Street. These streets create the north and east borders (respectively). To the north, across Chinden, there are used car dealerships. To the East, across 32<sup>nd</sup>, there is inline retail with a front loaded parking lot. We placed the parking to the rear along Stockton, the south bordering alley, which is adjacent to the south bordering properties parking area. We have fenced in outdoor play areas to the west of the building, and to the south, between the building and the parking. The west property line abuts and 20'+ tall blank CMU wall with no openings.

The building creates a safe and effective flow for vehicles and pedestrian's picking up and dropping off of children by bringing vehicles in, off of Chinden, and towards the back of the property to access the parking/drop-off area off of 32<sup>nd</sup> Street. We are also proposing to abandon 3 existing curb cuts along Chinden with this proposal.

We have a dynamic mix of materials for this building, utilizing a variable width lap siding, honed faced CMU block, a cedar look veneer, and a dark bronze standing seam metal roof.

Given that the existing site is essentially flat, we are utilizing much of the site for outdoor play areas. We are fencing in the play areas with a metal and wood fence system that will have intermittent panels of "green walls". These green walls will skip along the fence, and on to the façade of the building and external stair in 3 specific areas.

We believe the proposed design maximizes vehicular, pedestrian and bike safety by bring the cars in, off of Chinden Blvd, and down 32<sup>nd</sup> street before entering the site parking and drop-off area. This configuration allows pedestrians and cyclist to enter the site and building with no cross traffic conflicts by using sidewalks, and/or roads that can work together as right turn only access areas. Little to no traffic will be accessing the project from the south.

We are providing ample shade trees for the parking area, outdoor play areas and street trees along Chinden Blvd. and 32<sup>nd</sup> Street. We have dedicated bike parking adjacent to the main entrance.

As a 501c3 Daycare, specializing in providing income specific payment plans to families in need, this project provides a much needed service for the Garden City demographic. This project will be a contributing element as this area of Garden City grows up around it.

33% of the project is landscape area, far above the required 5%. We are exceeding the required minimum for new tree plantings. No trees are being removed from the site.

The building has been designed to be visually interesting and playful, in direct response to the function of the structure as a daycare facility. We do not meet the FAR requirements for the site for the building in and of itself, but taken in to account that the outdoor play areas are a required programmatic element of a Daycare facility, and the fact that these areas are being cross utilized as landscape/greenspace and play areas, we are making full programmatic use of the site. We have minimized dead space, by pushing the building and the play area footprint directly up to setbacks. The parking to the rear has been held back, just a bit in order to create landscape areas for quality tree planting. The building itself has ample areas of relief, with insets, overhangs at the main entries, inset roof decks on the 2<sup>nd</sup> floor and a visually interesting exterior stair. We have designed an environmentally responsible building, but being a 501c3, with a very strict budget, the project will not attempt to achieve any green certification.

In closing, we think we have a dynamic and interesting project that would visually and functionally benefit Garden City, and enhance the growing Live-Work-Create district.

We appreciate your consideration of this application and look forward to working with the Garden City as the project moves through the development approval process. Please do not hesitate to contact me with any questions you may have or if additional materials are required.

Sincerely,

A handwritten signature in black ink, appearing to read 'B. Garrett', with a long horizontal line extending to the right.

Brian Garrett  
OA+D



office of architecture and design

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August 6, 2019

Garden City  
Chris Samples  
Planning and Zoning  
6015 N. Glenwood Street  
Garden City, ID 83714

Re: Design Review  
Giraffe Laugh – Day Care Facility

Dear Planning Staff;

We are requesting a waiver for the following Application Materials:

- Topographic Survey
  - o The lot is generally flat. A civil engineer is under contract, and will complete a full survey for construction documents.
- Grading Plan
  - o The lot is generally flat. A civil engineer is under contract, and will complete a full survey for construction documents.

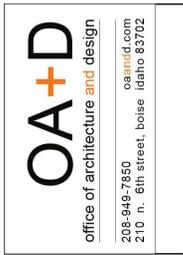
Sincerely,

A handwritten signature in black ink, appearing to read 'B. Garrett'.

Brian Garrett  
OA+D

# giraffe laugh

3203 + 3231 Chinden Blvd.  
Garden City, ID 83714



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giraffe laugh  
3203 + 3231 Chinden Blvd.  
Garden City, ID 83714

revisions:		
△	date	description

project: 190404  
date: 08/08/19

design review

cover sheet

a0.01

SCOPE OF WORK	
A NEW DAYCARE FACILITY.	
CODE INFORMATION	
BUILDING CODE:	2015 INTERNATIONAL BUILDING CODE
ELECTRICAL CODE:	2014 NATIONAL ELECTRIC CODE
MECHANICAL CODE:	2012 INTERNATIONAL MECHANICAL CODE
PLUMBING CODE:	2017 IDAHO STATE PLUMBING CODE
FIRE CODE:	2014 INTERNATIONAL FIRE CODE
ENERGY CODE:	2015 INTERNATIONAL ENERGY CONSERVATION CODE
ACCESSIBILITY CODE:	2009 ICC/ANSI A117.1 ACCESSIBLE BUILDING
OCCUPANCY TYPE:	GROUP E
CONSTRUCTION TYPE:	V-B
LOCATION	3203 & 3231 W. CHINDEN BLVD.
SITE AREA	0.51 + 0.17 = 0.68 TOTAL ACRES
ZONING DISTRICT	C-1 (HIGHWAY COMMERCIAL)
PARCEL NUMBER	R2734530430 & R2734530540
LEGAL DESCRIPTION	LOTS 1 TO 3 INC BLK 0 FAIRVIEW ACRES SUB NO 4 LOT 32 BLK 0 FAIRVIEW ACRES SUB NO 4 #95036995
BUILDING AREA ALLOWABLE	3 - 9,500 SQUARE FEET
ACTUAL AREA	TOTAL BUILDING: 6,551 SQ.FT.
OCCUPANT LOAD	20 - SEE a0.02
ONSITE PARKING REQ'D	TBD BY PLANNING DEPARTMENT
ONSITE PARKING PROVIDED	24 SPACES TOTAL
FIRE SPRINKLER	TBD
FIRE ALARM	TBD
CUP:	XXXXXXX
DESIGN REVIEW:	XXXXXXX
*SEE a0.02 FOR ADDITIONAL CODE INFORMATION.	

## abbreviations

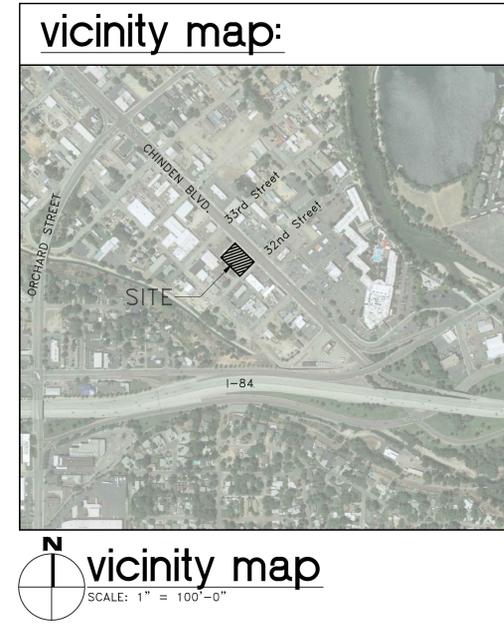
#	NUMBER OR POUND	LAB	LABORATORY
∅	DIAMETER	LAV	LAVATORY
∠	ANGLE	LVT	LUXURY VINYL TILE
∅	AT		
∅	AND		
∅	CENTERLINE	MAT	MATERIAL
∅		MAX	MAXIMUM
∅		MECH	MECHANICAL
AB	ANCHOR BOLT	MET	METAL
ACT	ACOUSTICAL CEILING TILE	MFR	MANUFACTURER
ADJ	ADJUSTABLE	MIN	MINIMUM
ALUM	ALUMINUM	MISC	MISCELLANEOUS
ANOD	ANODIZED	MO	MASONRY OPENING
APPROX	APPROXIMATE		
ASSOC	ASSOCIATED		
		NA	NOT APPLICABLE
BD	BOARD	NIC	NOT IN CONTRACT
BLDG	BUILDING	NO	NUMBER
BLKG	BLOCKING	NOM	NOMINAL
BM	BEAM	NTS	NOT TO SCALE
BOT	BOTTOM		
BRS	BEARING	OC	ON CENTER
BSMT	BASEMENT	OD	OUTSIDE DIAMETER
BTWN	BETWEEN	OFF	OFFICE
		OPNG	OPENING
		OTS	OPEN TO STRUCTURE
CAB	CABINET	P	PAINT
CJ	CONTROL JOINT	PL	PLASTIC LAMINATE
CLG	CEILING	PLYWD	PLYWOOD
CMU	CONCRETE MASONRY UNIT	PR	PAIR
CO	CLEAN OUT		
COL	COLUMN	R	THERMAL RESISTANCE
CONC	CONCRETE	RB	RUBBER BASE
CONT	CONTINUOUS	RD	ROOF DRAIN
CPT	CARPET	RDL	ROOF DRAIN LEADER
CT	CERAMIC TILE	RE:	REFERENCE
		REFRIG	REFRIGERATOR
DBL	DOUBLE	REINF	REINFORCING
DEPT	DEPARTMENT	REQ	REQUIRED
DF	DRINKING FOUNTAIN	RM	ROOM
DIA	DIAMETER	RO	ROUGH OPENING
DIM	DIMENSION		
DISP	DISPENSER	SC	SEALED CONCRETE
DN	DOWN	SCHED	SCHEDULE
DS	DOWNSPOUT	SC	SOLID CORE WOOD
		SHT	SHEET
E	EXISTING MATERIAL	SHTG	SHEATHING
EA	EACH	SIM	SIMILAR
EJ	EXPANSION JOINT	SQ	SPECIFICATIONS
ELEC	ELECTRICAL	SS	SQUARE
ELEV	ELEVATION	SS	STAINLESS STEEL
EQ	EQUAL	STD	STANDARD
EQUIP	EQUIPMENT	STL	STEEL
EPIS	EXTERIOR FINISH & INSULATION SYSTEM	STOR	STORAGE
EXIST	EXISTING	STRUCT	STRUCTURAL
EXP	EXPANSION	SUSP	SUSPENDED
EXT	EXTERIOR	SV	SHEET VINYL
		T&G	TONGUE & GROOVE
FD	FLOOR DRAIN	TEMP	TEMPORARY
FEC	FIRE EXTINGUISHER CABINET	TS	TUBE STEEL
FF	FACTORY FINISH	TYP	TYPICAL
FFE	FURNITURE, FIXTURES & EQUIP		
FIN	FINISH	UNO	UNLESS NOTED OTHERWISE
FLR	FLOOR		
FND	FOUNDATION	VAR	VARIES
FOF	FACE OF FINISH	VCT	VINYL COMPOSITION TILE
FOS	FACE OF STUDS	VERT	VERTICAL
FT	FEET	VEST	VESTIBULE
FTG	FOOTING	VWC	VINYL WALL COVERING
		W	WASHER
GA	GAUGE	W/	WITH
GALV	GALVANIZED	WC	WATER CLOSET
GWB	GYPSPUM WALL BOARD	WD	WOOD
		WH	WATER HEATER
HC	HOLLOW CORE WOOD	W/O	WITHOUT
HM	HOLLOW METAL	WP	WATERPROOF
HORIZ	HORIZONTAL	WS	WAINSCOT
HT	HEIGHT	WT	WEIGHT
HDWD	HARDWOOD	WWF	WELDED WIRE FABRIC
ID	INSIDE DIAMETER		
INSUL	INSULATION		
INT	INTERIOR		
INV	INVERT		
JAN	JANITOR		
JT	JOINT		

## symbols

SECTION LETTER		BUILDING SECTION
SHEET NO.		
SECTION NO.		WALL SECTION
SHEET NO.		
ELEVATION LETTER		ELEVATION REFERENCE
SHEET NO.		
DETAIL NO.		DETAIL REFERENCE
SHEET NO.		
ROOM NO.		ROOM REFERENCE
WALL TYPE NO.		WALL TYPE REFERENCE
WALL HEIGHT (IF NOT FULL HEIGHT)		
DOOR NO.		DOOR REFERENCE
GRID NO. OR LETTER		GRID LINE
KEYNOTE NO.		KEYNOTE REFERENCE
WINDOW NO.		WINDOW REFERENCE
PLAN OR DETAIL NO.		ENLARGED PLAN OR DETAIL
SHEET NO.		

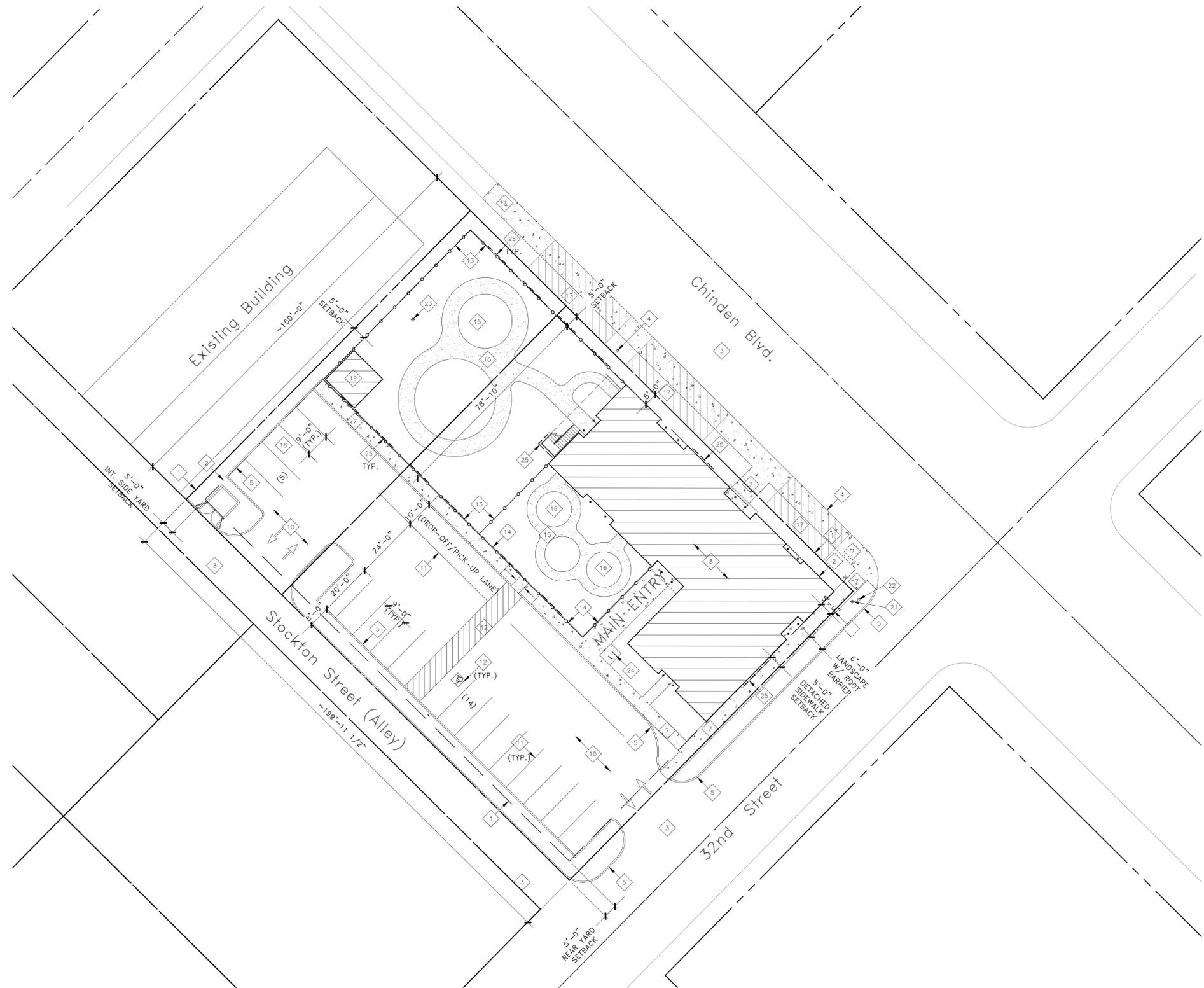
## general notes

- CONTRACTORS SHALL CONSULT WITH OWNER AND ARCHITECT TO RESOLVE ANY CHANGES, OMISSIONS OR PLAN DISCREPANCIES PRIOR TO BIDDING OR CONSTRUCTION.
- PRIME CONTRACTORS SHALL COORDINATE AND MANAGE ALL PORTIONS OF THE WORK AS DESCRIBED IN THE CONTRACT DOCUMENTS WHICH INCLUDE, BUT ARE NOT LIMITED TO, CONSTRUCTION DOCUMENTS, SPECIFICATIONS AND CONSTRUCTION CONTRACT.
- ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH LOCAL, COUNTY, STATE AND FEDERAL CODES AND ORDINANCES.
- CONTRACTORS SHALL VERIFY THE LOCATION OF ALL UTILITIES.
- CONTRACTORS TO VERIFY ALL DIMENSIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH THE WORK.
- PRIME CONTRACTORS SHALL RETAIN ONE SET OF THE PLANS TO NOTE AND DOCUMENT ALL CHANGES DURING CONSTRUCTION. THIS SET SHALL BE A PART OF THE GENERAL CONTRACTORS CLOSE-OUT PACKAGE.
- PREMISE TO BE 'BROOM CLEAN' AND EMPTY OF ALL LOOSE ITEMS AND DEBRIS AT ALL TIMES.
- DO NOT SCALE DRAWINGS.
- CONTRACTOR SHALL VISIT SITE PRIOR TO SUBMITTING A BID TO FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND THE EXTENT OF WORK REQUIRED TO COMPLETE THE PROJECT.



**RE+P**  
landscape architect  
RE+P  
Rodney Evans + Partners  
rodney evans  
1014 La Pointe Ste 3  
Boise, ID 83706  
ph. (208) 514-3300  
rodney@reandpartners.com

**oa+d**  
architect  
OA+D  
Office of Architecture and Design  
jason smith  
210 N. 6th street  
boise, id 83702  
brian garrett - project manager  
ph. (208) 830-7030  
brian@oaandd.com



**site plan**  
 SCALE: 1" = 20'-0"

square feet:	
1st FLOOR	5,282 SQ.FT.
2nd FLOOR	1,269 SQ.FT.
TOTAL	6,551 SQ.FT.

NOT FOR CONSTRUCTION

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**giraffe laugh**  
 3203 + 3231 Chinden Blvd.  
 Garden City, ID 83714

- keynotes:**
- PROPERTY LINE
  - SETBACK
  - EXISTING ASPHALT PAVEMENT
  - EXISTING CURB
  - NEW CURB
  - NOT USED
  - NEW SIDEWALK
  - BUILDING
  - NOT USED
  - ASPHALT PARKING AREA
  - PARKING STRIPING
  - HANDICAP PARKING STALL AND LOADING AREA
  - 6' FENCE
  - 4' FENCE
  - PLAYGROUND AREA
  - CUSTOM "SCOOTER PATHS"
  - ABANDONED CURB CUTS
  - TRASH DUMPSTER
  - EXTERIOR STORAGE - TBD
  - EXISTING STREET LIGHT
  - EXISTING FIRE HYDRANT, TO REMAIN
  - EXISTING POWER POLE, TO BE ABANDONED WITH NEW ELECTRICAL SERVICE, NEW SERVICE TBD
  - SITE LIGHTING, SEE ELECTRICAL
  - BIKE RACKS
  - "GREEN WALL", SEE ELEVATIONS AND LANDSCAPE PLAN

revisions:

△	date	description

project: 190404  
 date: 08/08/19

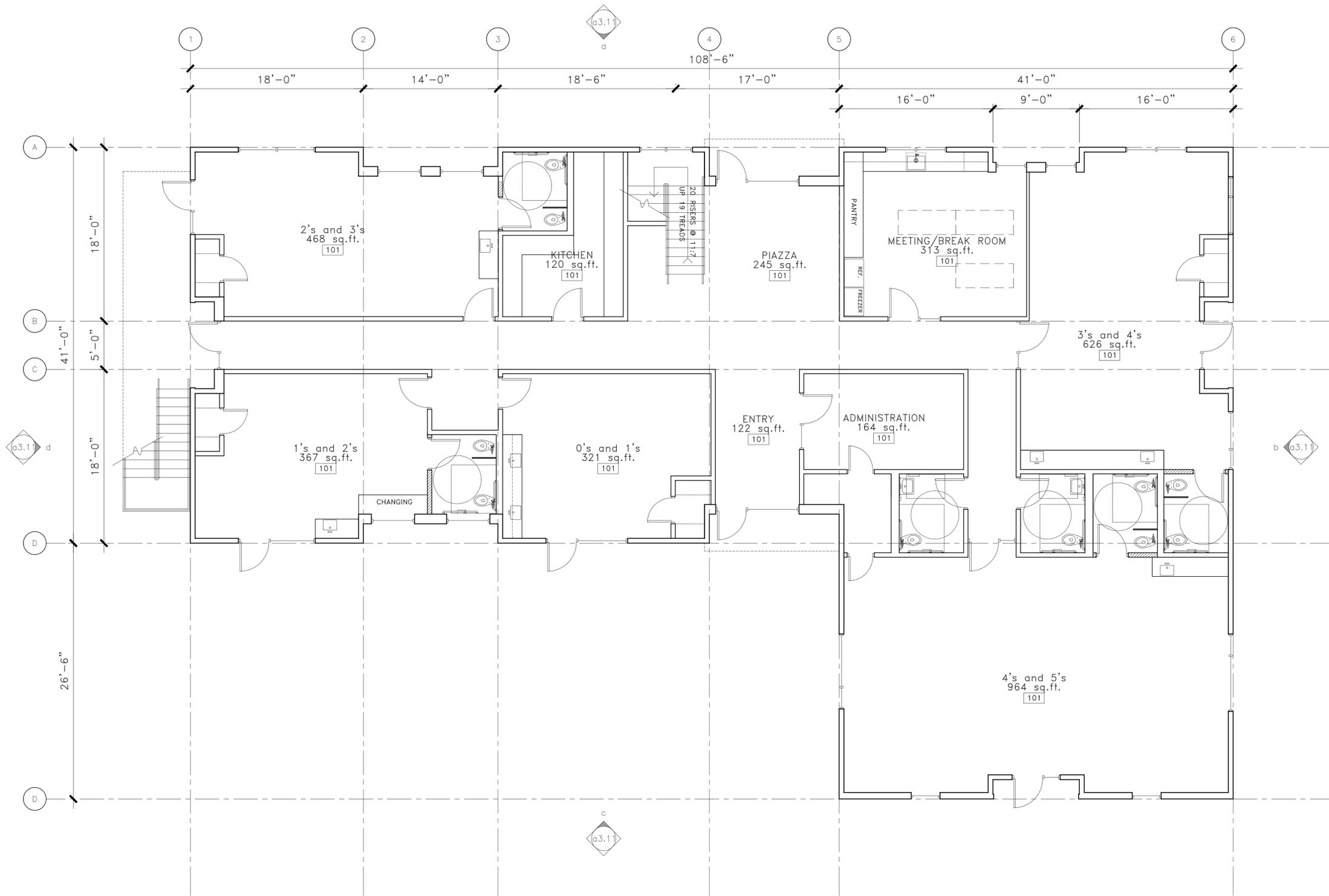
design review

**general notes:**

- THIS SITE PLAN IS PROVIDED FOR GENERAL COORDINATION PURPOSES. REFER TO AND COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL SPECIFIC INFORMATION.
- CONTRACTOR TO VERIFY ALL LOCATIONS AND DIMENSIONS IN THE FIELD.

site plan

a1.11



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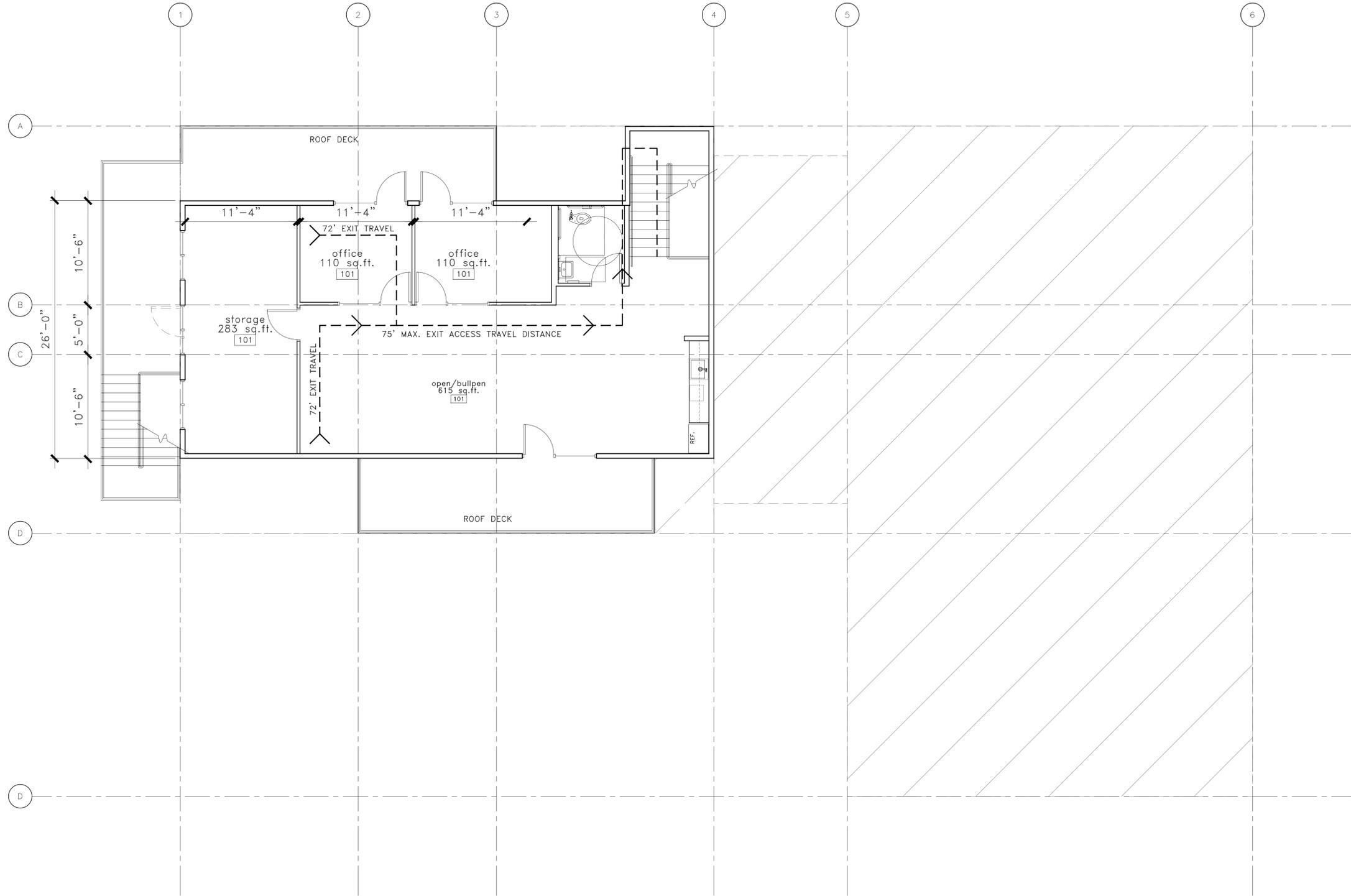
design review

1st floor  
plan  
**a2.11**

**1st floor plan**

SCALE: 3/16" = 1'-0"  
5,282 SQ.FT. (1ST FLOOR)

square feet:	
1st FLOOR	5,282 SQ.FT.
2nd FLOOR	1,269 SQ.FT.
TOTAL	6,551 SQ.FT.



 **2nd floor plan**  
 SCALE: 3/16" = 1'-0"  
 1,269 SQ.FT.

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revisions:

△	date	description

project: 190404  
 date: 08/08/19

design review

2nd floor plan  
 a2.12

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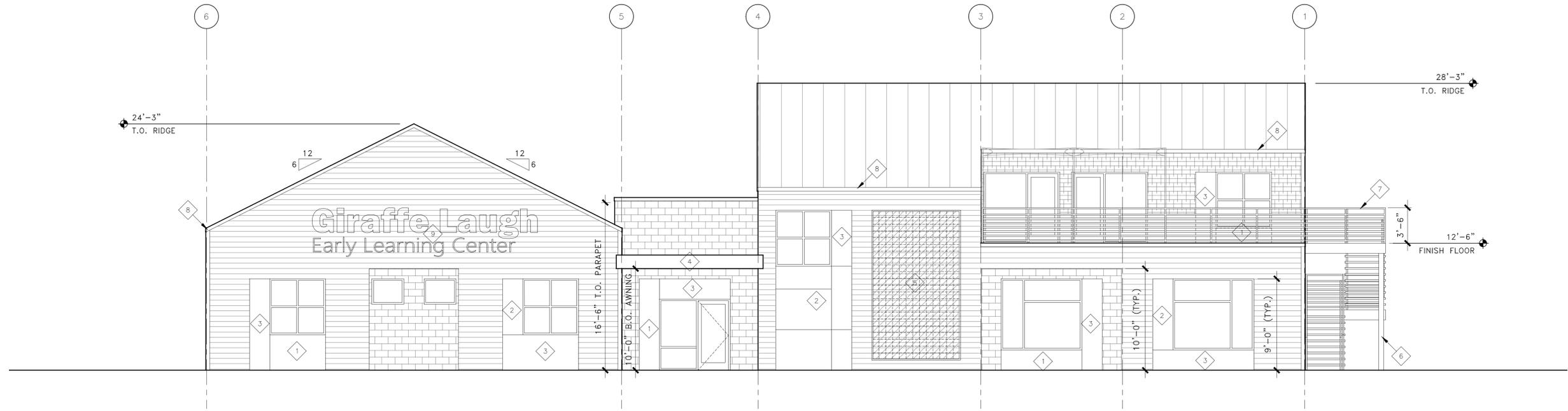
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project: 190404  
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design review

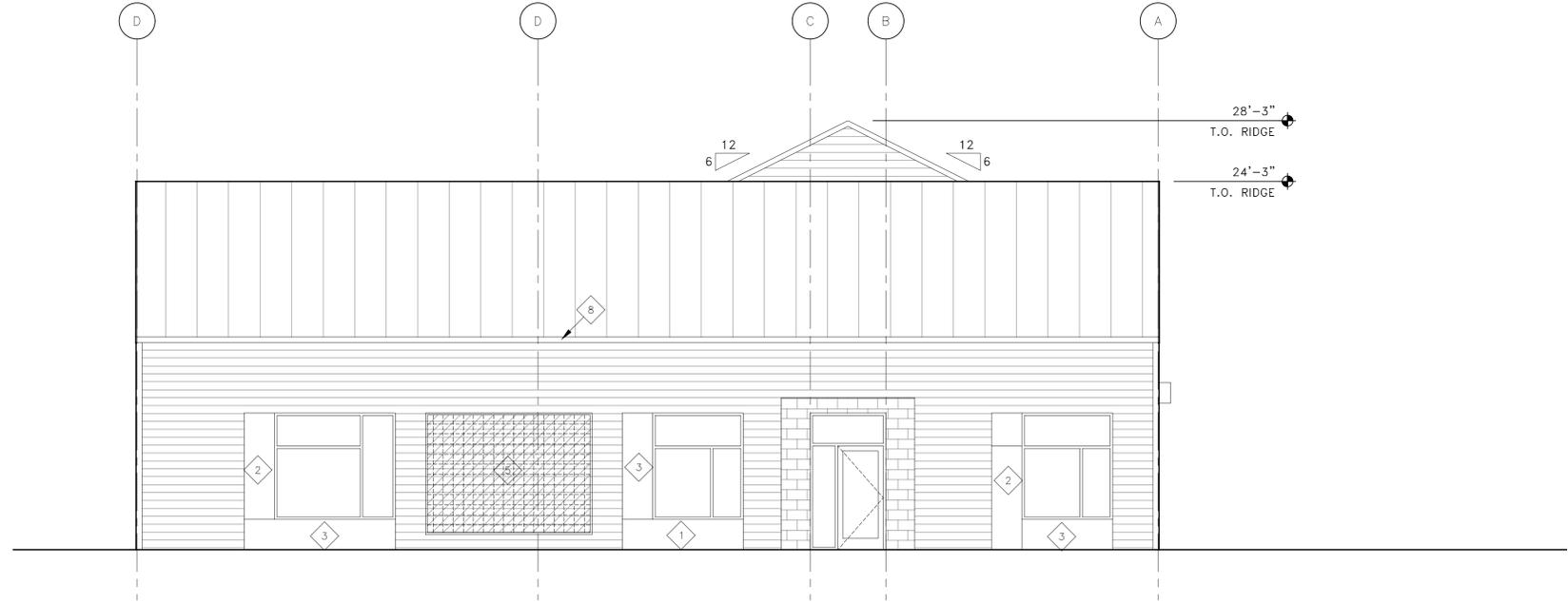
elevations

a3.11



**a - north elevation**  
SCALE: 3/16" = 1'-0"

TOTAL ELEVATION	2,085 SQ.FT.
GLAZING	402 SQ.FT.
= 19% GLAZING	



**b - east elevation**  
SCALE: 3/16" = 1'-0"

TOTAL ELEVATION	944 SQ.FT.
GLAZING	184 SQ.FT.
= 19% GLAZING	

**legend:**

	STANDING SEAM METAL ROOF COLOR: DARK BRONZE
	CEMENTITIOUS LAP SIDING, VARIABLE WIDTH 4", 6" & 8": COLOR: SHERWIN WILLIAMS INTENSE TEAL, SW6943
	HONED FACE CMU: SUNROC, GENEVA BROWN, HONED
	CRAFT WOOD CUTS MASONRY VENEER: CREATIVE MINES, BARNWOOD CRAFT BOARD FORM

**keynotes:**

1. CEMENTITIOUS PANEL. PAINT YELLOW TO MATCH GIRAFFE LAUGH BRANDED COLORS
2. CEMENTITIOUS PANEL. PAINT TEAL TO MATCH GIRAFFE LAUGH BRANDED COLORS.
3. METAL PANEL. TO MATCH DARK BRONZE STOREFRONT
4. AWNING. COLOR YELLOW, TO MATCH GIRAFFE LAUGH BRANDED COLORS
5. "GREEN WALL" TRELLIS SYSTEM. SEE LANDSCAPE
6. COLUMN. SEE STRUCTURAL
7. METAL RAILING WITH WOOD SLAT GUARD RAIL SYSTEM
8. 26 GAUGE MIN. ASC BOX INTERNAL GUTTER - DARK BRONZE
9. SIGNAGE LOCATION. BY OTHERS

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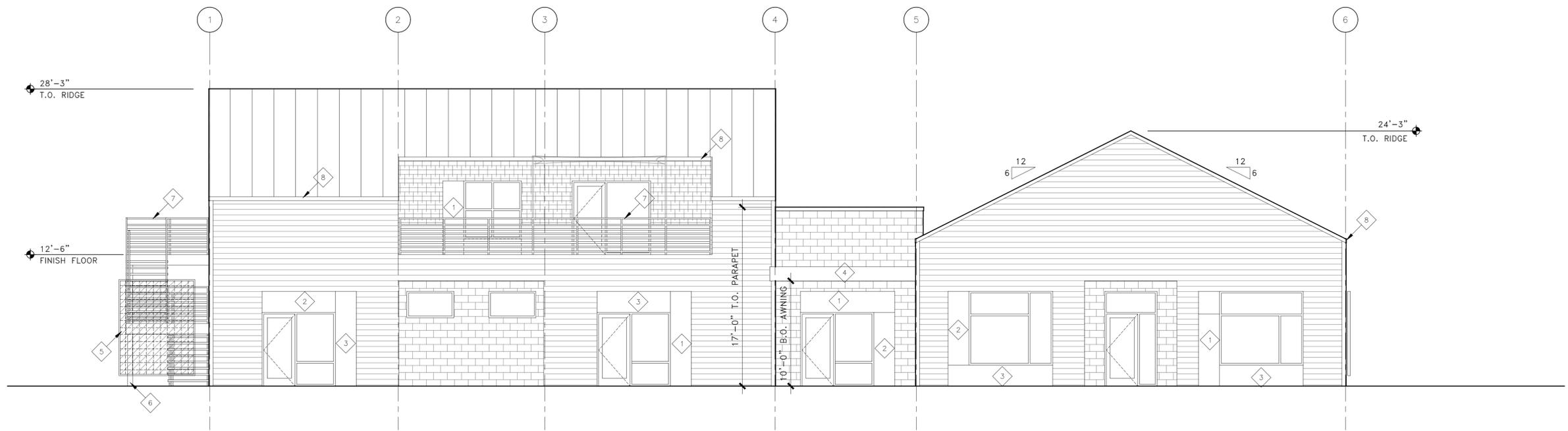
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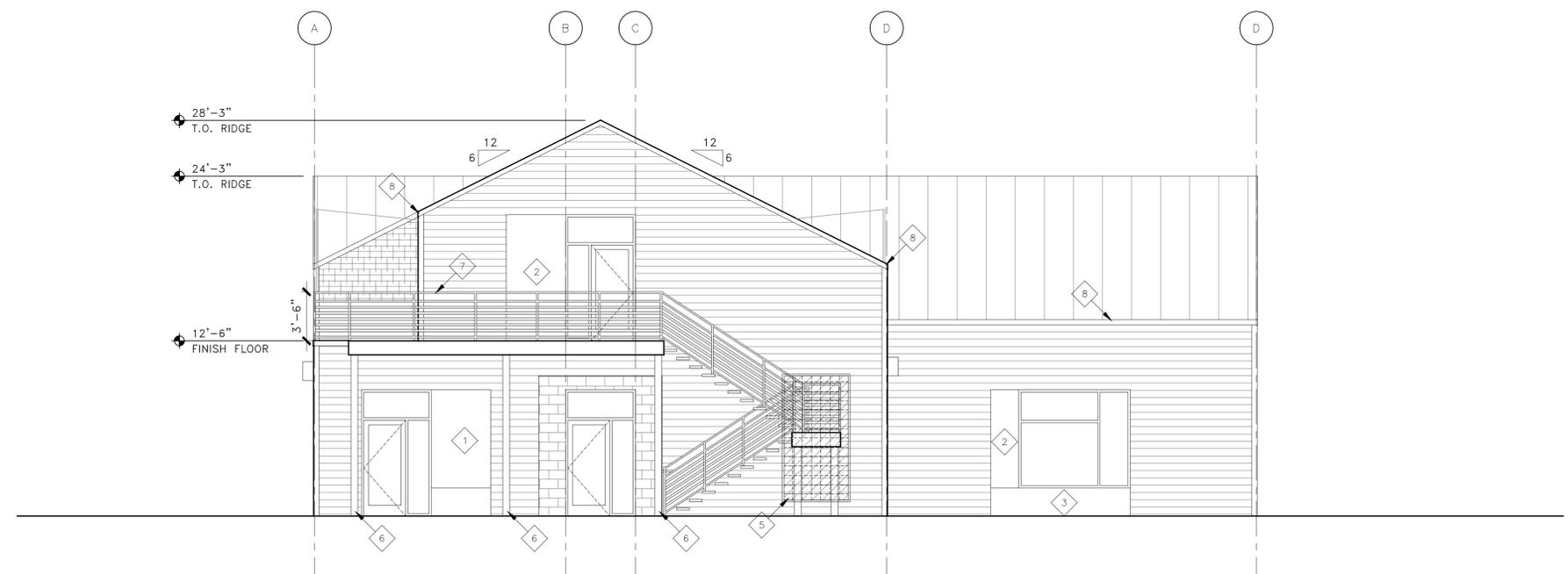
design review

elevations

a3.12



**c - south elevation**  
SCALE: 3/16" = 1'-0"



**d - west elevation**  
SCALE: 3/16" = 1'-0"

**legend:**

	STANDING SEAM METAL ROOF COLOR: DARK BRONZE
	CEMENTITIOUS LAP SIDING, VARIABLE WIDTH 4", 6" & 8": COLOR: SHERWIN WILLIAMS INTENSE TEAL, SW6943
	HONED FACE CMU: SUNROC, GENEVA BROWN, HONED
	CRAFT WOOD CUTS MASONRY VENEER: CREATIVE MINES, BARNWOOD CRAFT BOARD FORM

**keynotes:**

1. CEMENTITIOUS PANEL. PAINT YELLOW TO MATCH GIRAFFE LAUGH BRANDED COLORS
2. CEMENTITIOUS PANEL. PAINT TEAL TO MATCH GIRAFFE LAUGH BRANDED COLORS.
3. METAL PANEL. TO MATCH DARK BRONZE STOREFRONT
4. AWNING. COLOR YELLOW, TO MATCH GIRAFFE LAUGH BRANDED COLORS
5. "GREEN WALL" TRELLIS SYSTEM. SEE LANDSCAPE
6. COLUMN. SEE STRUCTURAL
7. METAL RAILING WITH WOOD SLAT GUARD RAIL SYSTEM
8. 26 GAUGE MIN. ASC BOX INTERNAL GUTTER - DARK BRONZE



VIEW LOOKING WEST



VIEW LOOKING NORTH



VIEW LOOKING EAST

**LOG OF SQ. FT. OF LANDSCAPE MATERIALS PER LOCATION**

AREAS AS NOTED ON PLAN:  
 AREA 1 - 1,477 S.F. OF PERIMETER AND INTERNAL PARKING LOT PLANTER BEDS WITH SHRUBS AND TREES AT THE SOUTHWEST SIDE PARKING LOT ALONG ALLEY  
 AREA 2 - 875 S.F. OF PARKING LOT PLANTER BEDS AND SETBACK WITH SHRUBS AND TREES NORTHWEST PROPERTY LINE  
 AREA 3 - 2,148 S.F. OF LAWN AND PLANTER BEDS WITH SHRUBS AND TREES NORTHEAST OF THE BUILDING ALONG CHINDEN  
 AREA 4 - 5,893 S.F. OF PLAY SURFACING, TURF AREA AND PLANTER BEDS WITH SHRUBS AND TREES WITHIN THE TWO FENCED PLAY AREAS  
 AREA 5 - 1,194 S.F. OF PERIMETER LAWN AND PLANTER BEDS WITH TREES AND SHRUBS ALONG 32ND STREET AND THE SOUTH SIDE OF THE BUILDING

**LOG OF SQ. FT. OF IMPERVIOUS, BUILDING, AND LANDSCAPE**

IMPERVIOUS AREA - 12,942 S.F.  
 BUILDING SIZE= 1ST FLOOR = 5,282 S.F. - 2ND FLOOR = 1,269 S.F. = TOTAL = 6,551 S.F.  
 STORAGE SHED = 225 S.F.  
 LANDSCAPE AREA - 9,902 S.F. (EXCLUDING SETBACKS AND RIGHT-OF-WAY)  
 LANDSCAPE AREA - 1,846 S.F. (WITHIN SETBACKS AND RIGHT-OF-WAY)



**OA+D**  
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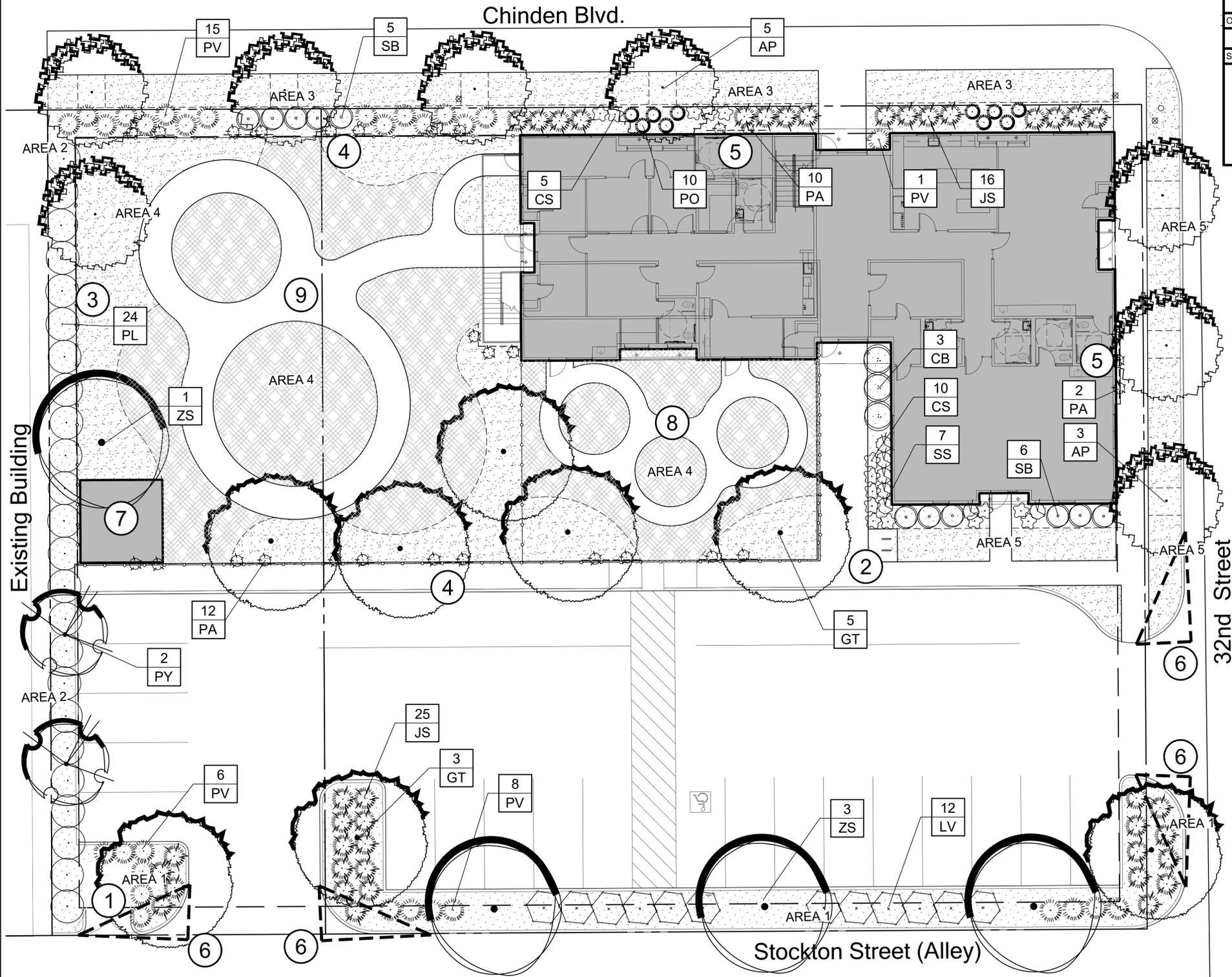
revisions:

Δ	date	description

project: 190404  
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**DESIGN REVIEW**  
 landscape plan

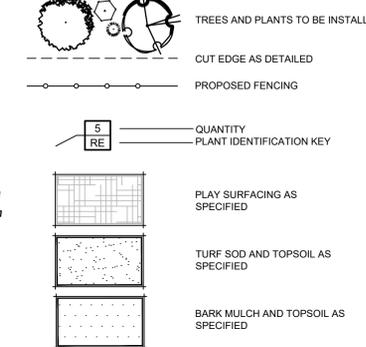
L1.0



**PLANT SCHEDULE**

QTY	KEY	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
<b>DECIDUOUS SHADE TREES</b>					
8	AP	Acer platanoides 'Columnarbroad'	Parkway Maple	2" CAL. B&B	Class II - 40' H x 25' W
8	GT	Gleditsia triacanthos 'Shademaster'	Shademaster Honeylocust	2" CAL. B&B	Class II - 45' H x 40' W
4	ZS	Zelkova Serrata 'Green Vase'	Green Vase Japanese Zelkova	2" CAL. B&B	Class II - 45' H x 30' W
<b>ORNAMENTAL TREES</b>					
2	PY	Prunus x yedoensis 'Akebono'	Akebono Flowering Cherry	2" CAL. B&B	20' H x 20' W
<b>SHRUBS/PERENNIALS/ORNAMENTAL GRASSES</b>					
3	CB	Cornus alba 'Baillhalo'	Ivory Halo® Dogwood	#5	5' H x 5' W
15	CS	Chrysanthemum x superbum 'Becky'	Becky Shasta Daisy	#2	2' H x 3' W
40	JS	Juniperus squamata 'Blue Star'	Blue Star Juniper	#1	2' H x 4' W
12	LV	Ligustrum x vicaryi	Vicary Golden Privet	#2	6' H x 6' W
28	PA	Parthenocissus quinquefolia	Virginia Creeper	#1	VINE
10	PO	Pennisetum orientale 'Karley Rose'	Karley Rose Oriental Fountain Grass	#1	2' H x 3' W
30	PV	Panicum virgatum 'Heavy Metal'	Heavy Metal Blue Switch Grass	#1	5' H x 5' W
24	PL	Prunus laurocerasus 'Schipkaensis'	Schipka Cherry Laurel	#2	6' H x 6' W
7	SS	Sedum spectabile 'Autumn Joy'	Autumn Joy Sedum	#1	2' H x 2' W
11	SB	Spiraea x bumalda 'Anthony Waterer'	Anthony Waterer Spiraea	#2	4' H x 4' W

**LANDSCAPE LEGEND**



**CALLOUT NOTES**

- TRASH ENCLOSURE
- BIKE RACKS
- 6' HT. FENCING - SEE ARCH. DWGS
- 6' HT. VERTICAL SCREEN INCORPORATED INTO THE FENCE - SEE ARCH. DWGS
- VERTICAL SCREEN ON BUILDING - SEE ARCH. DWGS
- VISION TRIANGLE
- EXTERIOR STORAGE
- INFANT PLAY AREA
- TODDLER AND ABOVE PLAY AREA

**SITE REQUIREMENTS**

TOTAL PROPERTY SIZE= 29,620 ± S.F. - .65 ACRES  
 ZONING DISTRICT = C-1  
 BUILDING SIZE= 1ST FLOOR = 5,282 S.F. - 2ND FLOOR = 1,269 S.F. = TOTAL = 6,551 S.F.  
 STORAGE SHED = 225 S.F.  
 HARDSCAPE/PAVING COVERAGE: 12,942 S.F.  
 LANDSCAPE COVERAGE: 9,902 S.F.  
 NUMBER OF PARKING STALLS PROVIDED:  
 18 STANDARD STALLS  
 0 COMPACT STALLS  
 1 ADA STALLS (REQUIRED PER 19 STALLS)  
 19 STALLS  
 TOTAL:  
 19 STALLS  
 NUMBER OF BICYCLE PARKING SPACES PROVIDED:  
 PROPOSED ONE RACK (2 RACKS = 4 STALLS)  
 SETBACKS  
 FRONT (WEST)= 5' (CHINDEN BLVD.)  
 BACK (STOCKTON STREET-ALLEY)= 5'  
 SIDE (SOUTH)= 5'  
 SIDE (32ND ST.) = 5'

**LANDSCAPE REQUIREMENTS**

GARDEN CITY, IDAHO CODE - ARTICLE I: LANDSCAPING AND TREE PROTECTION PROVISIONS  
 TOTAL SITE: 29,620 S.F.  
 TOTAL LANDSCAPE AREA: 9,902 S.F. (33%)  
 MINIMUM PLANT SIZES SHALL BE USED:  
 SHADE TREES: 2 INCH CALIPER  
 ORNAMENTAL TREES: 2 INCH CALIPER  
 EVERGREEN TREES: 6 FOOT HEIGHT  
 WOODY SHRUBS: 2 GALLON POT  
 REQUIRED LANDSCAPE AREAS SHALL BE AT LEAST (70%) COVERED WITH VEGETATION AT MATURITY WITH MULCH. USE OF MULCH, ORGANIC OR ROCK AS ONLY GROUND COVER IN PLANTING AREAS IS PROHIBITED. PROVIDED: 90% COVERAGE  
 TOTAL NUMBER OF TREES PROPOSED: 22  
 TOTAL NUMBER OF TREE SPECIES REQUIRED: 3  
 MINIMUM OF 5% OF GROSS SITE AREA SHALL BE LANDSCAPED, EXCLUDING AREAS FOR SETBACK AND PERIMETER LANDSCAPE. PERCENT PROPOSED: 33%

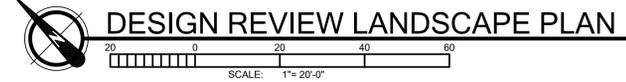
A MINIMUM OF ONE CLASS III OR CLASS II TREE SHALL BE PLANTED IN THE FRONTAGE AND EVERY ADJACENT STREETSIDE. AN ADDITIONAL CLASS I TREE SHALL BE PLANTED IN THE CORRESPONDING SETBACK FOR EVERY INCREMENT OF FIFTY FEET (50') OF LINEAR FEET OF FRONTAGE.  
 PROPOSED CLASS II: 11  
 PROPOSED CLASS I: 2  
 NORTHWEST LANDSCAPE ALONG PROPERTY LINE:  
 150 LIN. FT. - 5 FT. WIDTH SETBACK PROVIDED  
 REQUIRED TREES - 0  
 PROVIDED TREES - 4  
 NORTHEAST FRONTAGE (ALONG CHINDEN)  
 200 LIN. FT. - 5 FT. WIDTH SETBACK PROVIDED  
 REQUIRED TREES - 4  
 PROVIDED TREES - 4  
 SOUTHEAST FRONTAGE (32ND ST.)  
 150 LIN. FT. - 5 FT. WIDTH SETBACK PROVIDED  
 REQUIRED TREES - 3  
 PROVIDED TREES - 3  
 SOUTHWEST FRONTAGE (ALLEY)  
 200 LIN. FT.  
 REQUIRED TREES - 4  
 PROVIDED TREES - 4

A MINIMUM OF ONE TREE PER ONE THOUSAND (1,000) SQUARE FEET OF LANDSCAPED AREA AND ONE SHRUB PER ONE HUNDRED FIFTY (150) SQUARE FEET OF LANDSCAPED AREA SHALL BE PLANTED.  
 REQUIRED TREES: 10 - PROPOSED TREES: 22 - EXISTING TREES: 0  
 REQUIRED SHRUBS: 66 - PROPOSED SHRUBS: 180

TREES MAY BE SUBSTITUTED FOR UP TO ONE-HALF (1/2) OF THE REQUIRED SHRUBS AT THE RATE OF ONE TREE FOR TEN (10) SHRUBS AND VICE VERSA.

CLASS II OR CLASS III TREES CAN BE SUBSTITUTED AT THE RATE OF TWO (2) CLASS I TREES FOR EVERY ONE CLASS II OR CLASS III TREES UNLESS OTHERWISE SPECIFIED BY AN ADOPTED STREET DESIGN OR MASTER PLAN.

PERIMETER LANDSCAPING REQUIREMENTS: (SEE APPLICABILITY)  
 PARKING LOT LANDSCAPING REQUIREMENTS: (SEE APPLICABILITY)  
 INTERNAL LANDSCAPING STANDARDS:  
 - INTERNAL SHADE TREES SHALL BE PROVIDED AT A MINIMUM RATIO OF ONE TREE PLANTED FOR EVERY FIVE (5) PARKING SPACES SUPPLIED.  
 - INTERNAL SHADE TREES SHALL BE PLANTED SUCH THAT NO PARKING SPACE IS MORE THAN ONE HUNDRED FEET (100') FROM A TREE.  
 - ON SMALL OR NARROW SITES, SHADE TREES PROVIDED IN NON-STREET FACING PERIMETER PLANTING AREAS CAN BE COUNTED TOWARD THE INTERNAL TREE REQUIREMENT, PROVIDED THAT THE MAXIMUM DISTANCE FROM A PARKING SPACE ONE HUNDRED FEET (100'), IS MET.



**DESIGN REVIEW LANDSCAPE PLAN**

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**LANDSCAPE NOTES:**

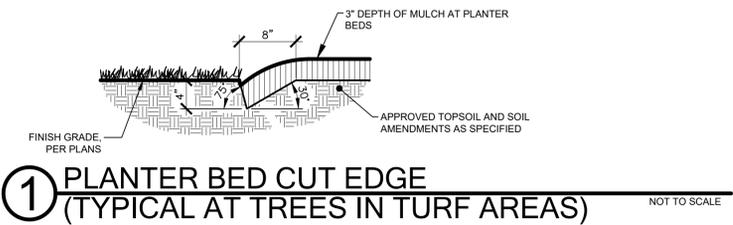
- CONTRACTOR SHALL REPORT TO LANDSCAPE ARCHITECT ALL CONDITIONS WHICH IMPAIR AND/OR PREVENT THE PROPER EXECUTION OF THIS WORK, PRIOR TO BEGINNING WORK.
- NO MATERIAL SUBSTITUTIONS SHALL BE MADE WITHOUT THE LANDSCAPE ARCHITECT'S PRIOR WRITTEN APPROVAL. ALTERNATE MATERIALS OF SIMILAR SIZE AND CHARACTER MAY BE CONSIDERED IF SPECIFIED PLANT MATERIALS CAN NOT BE OBTAINED.
- COORDINATE ALL WORK WITH ALL OTHER SITE RELATED DEVELOPMENT DRAWINGS.
- COORDINATE WORK SCHEDULE AND OBSERVATIONS WITH LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION START-UP.
- ALL PLANT MATERIAL SHALL BE INSTALLED AS PER DETAILS.
- ALL PLANT MATERIAL SHALL CONFORM TO THE AMERICAN NURSERYMAN STANDARDS FOR TYPE AND SIZE SHOWN. PLANTS WILL BE REJECTED IF NOT IN A SOUND AND HEALTHY CONDITION.
- IN THE EVENT OF A PLANT COUNT DISCREPANCY, PLANT SYMBOLS SHALL OVERRIDE SCHEDULE QUANTITIES AND CALL OUT SYMBOL NUMBERS.
- ALL PLANTING BEDS SHALL BE COVERED WITH A MINIMUM OF 3" DEPTH OF 1" MINUS BARK MULCH OVER DEWITT PRO-5 WEED BARRIER LANDSCAPE FABRIC. SUBMIT SAMPLE FOR APPROVAL.
- ALL PLANT MATERIAL SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR BEGINNING AT THE DATE OF ACCEPTANCE BY THE OWNER. REPLACE ALL PLANT MATERIAL FOUND DEAD OR NOT IN A HEALTHY CONDITION IMMEDIATELY WITH THE SAME SIZE AND SPECIES AT NO COST TO THE OWNER.
- FINISH GRADES SHALL PROVIDE A SMOOTH TRANSITION WITH ADJACENT SURFACES AND ENSURE POSITIVE DRAINAGE IN ACCORDANCE WITH THE SITE CIVIL GRADING PLAN.
- AMEND EXISTING APPROVED TOPSOIL AT A RATIO OF THREE CUBIC YARDS OF APPROVED COMPOST PER 1000 SQUARE FEET. ROTO-TILL ORGANIC MATTER A MINIMUM OF 6 INCHES INTO TOPSOIL.
- FERTILIZE ALL TREES AND SHRUBS WITH 'AGRIFORM' PLANTING TABLETS. QUANTITY PER MANUFACTURER'S RECOMMENDATIONS.
- ALL PLANTING BEDS SHALL HAVE A MINIMUM 18" DEPTH OF TOPSOIL. LAWN AREAS SHALL HAVE A MINIMUM 12" DEPTH OF TOPSOIL. SPREAD, COMPACT, AND FINE GRADE TOPSOIL TO A SMOOTH AND UNIFORM GRADE 3" BELOW ADJACENT SURFACES OF PLANTER BED AREAS, 1-1/2" BELOW ADJACENT SURFACES OF TURF SOD AREAS, AND 1" BELOW ADJACENT SURFACES OF TURF SEED AREAS.
- REUSE EXISTING TOPSOIL STOCKPILED ON THE SITE. SUPPLEMENT WITH IMPORTED TOPSOIL WHEN QUANTITIES ARE INSUFFICIENT. VERIFY SUITABILITY AND CONDITION OF TOPSOIL, AS A GROWING MEDIUM. PERFORM SOIL TEST/ ANALYSIS AND PROVIDE ADDITIONAL AMENDMENT AS DETERMINED BY SOIL TESTS. TOPSOIL SHALL BE A LOOSE, FRIABLE, SANDY LOAM, CLEAN AND FREE OF TOXIC MATERIALS, NOXIOUS WEEDS, WEED SEEDS, ROCKS, GRASS OR OTHER FOREIGN MATERIAL AND A HAVE A PH OF 5.5 TO 7.0. IF ONSITE TOPSOIL DOES NOT MEET THESE MINIMUM STANDARDS, CONTRACTOR IS RESPONSIBLE TO EITHER:  
 A) PROVIDE APPROVED IMPORTED TOPSOIL, OR  
 B) IMPROVE ON-SITE TOPSOIL WITH METHODS APPROVED BY THE LANDSCAPE ARCHITECT.
- IF IMPORTED TOPSOIL FROM OFF-SITE SOURCES IS REQUIRED, ENSURE IT IS FERTILE, FRIABLE, NATURAL LOAM, SURFACE SOIL, REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH, WEEDS AND OTHER LITTER, AND FREE OF ROOTS, STUMPS, STONES LARGER THAN 2 INCHES IN ANY DIMENSION, AND OTHER EXTRANEIOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH.  
 A) OBTAIN TOPSOIL FROM LOCAL SOURCES OR FROM AREAS HAVING SIMILAR SOIL CHARACTERISTICS TO THOSE FOUND ON THE PROJECT SITE. OBTAIN TOPSOIL ONLY FROM NATURALLY, WELL-DRAINED SITES WHERE TOPSOIL OCCURS AT A DEPTH OF NOT LESS THAN 4 INCHES.  
 B) REPRESENTATIVE SAMPLES SHALL BE TESTED FOR ACIDITY, FERTILITY, TOXICITY, AND GENERAL TEXTURE BY A RECOGNIZED COMMERCIAL OR GOVERNMENT AGENCY AND COPIES OF THE TESTING AGENCY'S FINDINGS AND RECOMMENDATIONS SHALL BE FURNISHED TO THE OWNER'S REPRESENTATIVE BY THE CONTRACTOR. NO TOPSOIL SHALL BE DELIVERED IN A FROZEN OR MUDDY CONDITION. ACIDITY/ALKALINITY RANGE - PH. 5.5 TO 7.6.
- IMMEDIATELY CLEAN UP ANY TOPSOIL OR OTHER DEBRIS ON THE SITE CREATED FROM LANDSCAPE OPERATIONS AND DISPOSE OF PROPERLY OFF SITE.
- TREES SHALL NOT BE PLANTED WITHIN THE 10'-0" CLEAR ZONE OF ALL STORM DRAIN PIPE, STRUCTURES, OR FACILITIES.
- STORM DRAINAGE FACILITIES MUST BE PROTECTED FROM ANY AND ALL CONTAMINATION DURING THE CONSTRUCTION AND INSTALLATION OF THE LANDSCAPE IRRIGATION SYSTEM.
- IN THE EVENT OF A DISCREPANCY, NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY.

**WEED ABATEMENT NOTES:**

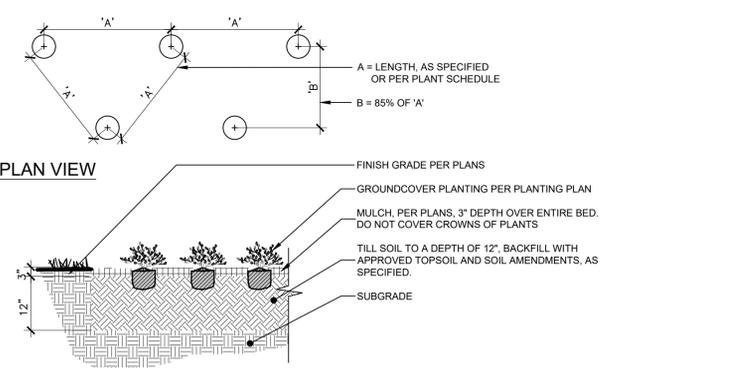
- ALL AREAS TO BE PLANTED OR HYDROSEEDED SHALL HAVE WEED ABATEMENT OPERATIONS PERFORMED ON THEM PRIOR TO PLANTING OR HYDROSEEDING.
- CONTRACTOR SHALL SPRAY ALL EXPOSED WEEDS WITH 'ROUND-UP' (CONTACT HERBICIDE) OR APPROVED EQUAL. DO NOT WATER FOR AT LEAST SEVEN (7) DAYS. REMOVE EXPOSED WEEDS FROM THE SITE.
- CONTRACTOR SHALL OPERATE THE AUTOMATIC IRRIGATION SYSTEM FOR A PERIOD OF FOURTEEN (14) DAYS. AT CONCLUSION OF THIS WATERING PERIOD, DISCONTINUE WATERING FOR THREE TO FIVE (3-5) DAYS.
- APPLY SECOND APPLICATION OF 'ROUND-UP' TO ALL EXPOSED WEEDS. APPLY IN STRICT CONFORMANCE WITH MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS. DO NOT WATER FOR AT LEAST SEVEN (7) DAYS. REMOVE WEEDS FROM THE SITE.
- IF ANY EVIDENCE OF WEED GERMINATION EXISTS AFTER TWO (2) APPLICATIONS, CONTRACTOR SHALL BE DIRECTED TO PERFORM A THIRD APPLICATION.
- AT THE TIME OF PLANTING AND HYDROSEEDING, ALL PLANTING AREAS SHALL BE WEED FREE.

**IRRIGATION NOTES:**

- ALL LANDSCAPED AREAS SHALL HAVE AN AUTOMATIC UNDERGROUND SPRINKLER SYSTEM WHICH INSURES COMPLETE COVERAGE AND PROPERLY ZONED FOR REQUIRED WATER USES. EACH HYDROZONE IS TO BE IRRIGATED WITH SEPARATE INDIVIDUAL STATIONS.
- PLANTER BEDS AND LAWN AREAS ARE TO HAVE SEPARATE HYDRO-ZONES.
- POP-UP SPRINKLER HEADS SHALL HAVE A MINIMUM RISER HEIGHT OF 4 INCHES AT LAWN AREAS AND 18" AT PLANTER BEDS.
- PLANTER BEDS ARE TO HAVE DRIP IRRIGATION SYSTEM OR POP-UP SPRAY SYSTEM. ANNUALS, PERENNIALS GROUND COVERS OR SHRUB MASSINGS SHALL HAVE A POP-UP SPRAY SYSTEM.
- ELECTRONIC WATER DISTRIBUTION/TIMING CONTROLLERS ARE TO BE PROVIDED. MINIMUM CONTROLLER REQUIREMENTS ARE AS FOLLOWS:  
 a. PRECISE INDIVIDUAL STATION TIMING  
 b. RUN TIME CAPABILITIES FOR EXTREMES IN PRECIPITATION RATES  
 c. AT LEAST ONE PROGRAM FOR EACH HYDROZONE  
 d. SUFFICIENT MULTIPLE CYCLES TO AVOID WATER RUN-OFF  
 e. POWER FAILURE BACKUP FOR ALL PROGRAMED INDIVIDUAL VALVED WATERING STATIONS WILL BE DESIGNED AND INSTALLED TO PROVIDE WATER TO RESPECTIVE HYDRO-ZONES.
- INDIVIDUAL VALVED WATERING STATIONS WILL BE DESIGNED AND INSTALLED TO PROVIDE WATER TO RESPECTIVE HYDRO-ZONES.
- THE IRRIGATION SYSTEM SHALL BE DESIGNED TO PROVIDE 100% HEAD TO HEAD COVERAGE WITH TRIANGULAR SPACING.
- SPRINKLER HEADS SHALL BE ADJUSTED TO REDUCE OVERSPRAY ONTO IMPERVIOUS SURFACES (BUILDINGS, SIDEWALKS, DRIVEWAYS, AND ASPHALT AREAS).
- PROVIDE MINIMUM (1) QUICK COUPLER VALVE PER EACH (6) AUTOMATIC VALVE ZONES. APPROVE Q.C.V. LOCATIONS WITH LANDSCAPE ARCHITECT.

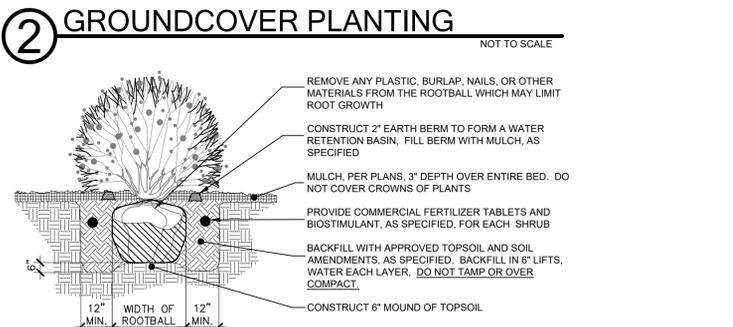


**1 PLANTER BED CUT EDGE (TYPICAL AT TREES IN TURF AREAS)** NOT TO SCALE



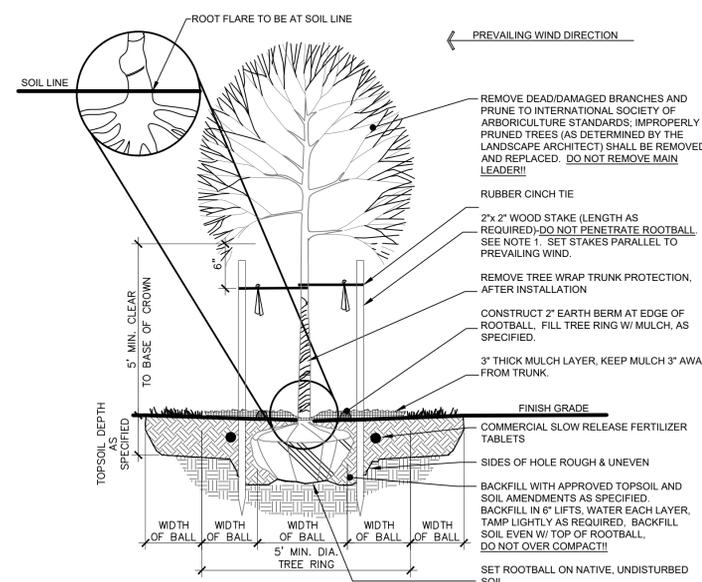
**2 GROUNDCOVER PLANTING** NOT TO SCALE

- NOTES:**
- ALL GROUNDCOVER PLANTS TO BE PLANTED ON CENTER AND IN A TRIANGULAR PATTERN.
  - APPLY SPECIFIED PRE-EMERGENT PER MANUFACTURER'S RECOMMENDATIONS TO ALL GROUNDCOVER BEDS.



- NOTES:**
- SHRUB SHALL BEAR SAME RELATIONSHIP TO GRADE AS IT DID IN NURSERY.
  - WATER SHRUB TWICE WITHIN FIRST 24 HOURS.
  - THIN BRANCHES AND FOLIAGE BY 1/2.
  - DO NOT CUT LEADERS TO RETAIN NATURAL SHRUB SHAPE.
  - FOR CONTAINER GROWN PLANTS THAT ARE ROOTBOUND, SPLIT THE ROOTBALL WITH 3 EQUAL SPACED VERTICAL CUTS.

**3 SHRUB PLANTING** NOT TO SCALE



- NOTES:**
- REMOVE BURLAP, TWINE, AND WIRE BASKET FROM TOP 1/2 OF ROOTBALL. REMOVE ALL NAILS, TIES, AND PLASTIC FROM ROOTBALL. IF SYNTHETIC BURLAP IS UTILIZED TO WRAP THE ROOTBALL, IT SHALL BE COMPLETELY REMOVED. ONLY BIODEGRADABLE BURLAP SHALL BE LEFT ON THE BOTTOM OF THE ROOTBALL.
  - THE STAKING OF TREES IS TO BE THE CONTRACTOR'S OPTION; HOWEVER, THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL TREES ARE PLANTED STRAIGHT AND THAT THEY REMAIN STRAIGHT FOR LENGTH OF WARRANTY PERIOD OR 1 YEAR AFTER SUBSTANTIAL COMPLETION WHICHEVER IS GREATER. ALL STAKING SHALL BE REMOVED AT THE END OF THE WARRANTY PERIOD.
  - IN THE EVENT OF A QUESTION OR LACK OF CLARITY ON THE DRAWINGS, THE CONTRACTOR IS TO NOTIFY THE LANDSCAPE ARCHITECT BEFORE PROCEEDING.
  - LANDSCAPE CONTRACTOR IS TO NOTIFY THE LANDSCAPE ARCHITECT AND OWNER PRIOR TO INSTALLATION OF PLANT MATERIAL.
  - WRAP RUBBER CINCH TIES AROUND THE TREE TRUNKS AND STAKES USING EITHER THE STANDARD OR FIGURE EIGHT TYING METHOD. SECURE THE TIES TO THE STAKES WITH GALVANIZED NAILS TO PREVENT SLIPPAGE.
  - WATER TREE TWICE WITHIN THE FIRST 24 HOURS.
  - IN THE EVENT HARDPAN SOILS PREVENT TREE PLANTING AS DETAILED, NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY.
  - FOR TREES LOCATED WITHIN ROADSIDE PLANTERS LESS THAN 8'-0" IN WIDTH, PROVIDE TREE ROOT BARRIER (DEEPROOT #24) OR APPROVED EQUAL. LOCATE ROOT BARRIER AT BACK OF CURB AND EDGE OF SIDEWALK. ALL TREE INSTALLATIONS SHALL CONFORM TO ALL AGENCY APPROVAL REQUIREMENTS, CONTRACTOR SHALL VERIFY PRIOR TO ANY INSTALLATIONS.

**4 DECIDUOUS TREE PLANTING** NOT TO SCALE

**giraffe laugh**  
 3203 + 3231 Chinden Blvd.  
 Garden City, ID 83714

**revisions:**

Δ	date	description

project: 190404  
 date: 08/08/19

design review  
 landscape  
 details

L1.5



# D-Series Size 1 LED Area Luminaire

d#series

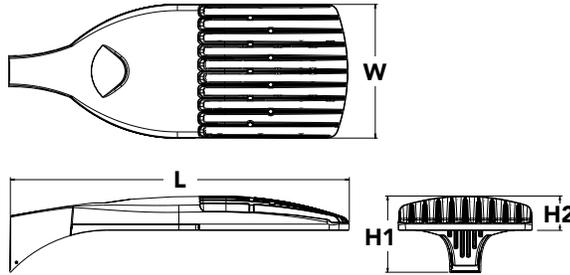


Catalog Number
Notes
Type

Hit the Tab key or mouse over the page to see all interactive elements.

## Specifications

<b>EPA:</b>	1.01 ft <sup>2</sup> (0.09 m <sup>2</sup> )
<b>Length:</b>	33" (83.8 cm)
<b>Width:</b>	13" (33.0 cm)
<b>Height H1:</b>	7-1/2" (19.0 cm)
<b>Height H2:</b>	3-1/2"
<b>Weight (max):</b>	27 lbs (12.2 kg)



## Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

A+ Capable options indicated by this color background.

## Ordering Information

**EXAMPLE:** DSX1 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED		Color temperature		Distribution		Voltage	Mounting		
Series	LEDs								
<b>DSX1 LED</b>	<b>Forward optics</b>	30K	3000 K	T1S	Type I short	T5VS	Type V very short	MVOLT <sup>3</sup>	<b>Shipped included</b>
	P1	40K	4000 K	T2S	Type II short	T5S	Type V short	120 <sup>4</sup>	SPA Square pole mounting
	P2	50K	5000 K	T2M	Type II medium	T5M	Type V medium	208 <sup>4</sup>	RPA Round pole mounting
	P3			T3S	Type III short	T5W	Type V wide	240 <sup>4</sup>	WBA Wall bracket
	<b>Rotated optics</b>			T3M	Type III medium	BLC	Backlight control <sup>2</sup>	277 <sup>4</sup>	SPUMBA Square pole universal mounting adaptor <sup>6</sup>
	P10 <sup>1</sup>			<b>T4M</b>	<b>Type IV medium</b>	LCCO	Left corner cutoff <sup>2</sup>	347 <sup>4,5</sup>	RPUMBA Round pole universal mounting adaptor <sup>6</sup>
	P11 <sup>1</sup>			TFTM	Forward throw medium	RCCO	Right corner cutoff <sup>2</sup>	480 <sup>4,5</sup>	<b>Shipped separately</b>
									KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) <sup>7</sup>

Control options	Other options	Finish (required)
<b>Shipped installed</b>	<b>Shipped installed</b>	DDBXD Dark bronze
NLTAIR2 nLight AIR generation 2 enabled <sup>8</sup>	HS House-side shield <sup>17</sup>	<b>DBLXD Black</b>
PIRHN Network, high/low motion/ambient sensor <sup>9</sup>	SF Single fuse (120, 277, 347V) <sup>4</sup>	DNAXD Natural aluminum
PER NEMA twist-lock receptacle only (controls ordered separate) <sup>10</sup>	DF Double fuse (208, 240, 480V) <sup>4</sup>	DWHXD White
PER5 Five-pin receptacle only (controls ordered separate) <sup>10,11</sup>	L90 Left rotated optics <sup>1</sup>	DBBTXD Textured dark bronze
PER7 Seven-pin receptacle only (controls ordered separate) <sup>10,11</sup>	R90 Right rotated optics <sup>1</sup>	DBLBXD Textured black
DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) <sup>12</sup>	<b>Shipped separately</b>	DNATXD Textured natural aluminum
DS Dual switching <sup>12,13,14</sup>	BS Bird spikes <sup>18</sup>	DWHGXD Textured white
	EGS External glare shield <sup>18</sup>	
PIR High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc <sup>15,16</sup>		
PIRHN High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc <sup>15,16</sup>		
PIR1FC3V High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc <sup>15,16</sup>		
PIR1FC3V Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc <sup>15,16</sup>		
FAO Field adjustable output <sup>14</sup>		



## Ordering Information

### Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) <sup>19</sup>
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) <sup>19</sup>
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) <sup>19</sup>
DSHORT SBK U	Shorting cap <sup>19</sup>
DSX1HS 30C U	House-side shield for P1, P2, P3, P4 and P5 <sup>17</sup>
DSX1HS 40C U	House-side shield for P6 and P7 <sup>17</sup>
DSX1HS 60C U	House-side shield for P8, P9, P10, P11 and P12 <sup>17</sup>
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish) <sup>20</sup>
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) <sup>6</sup>

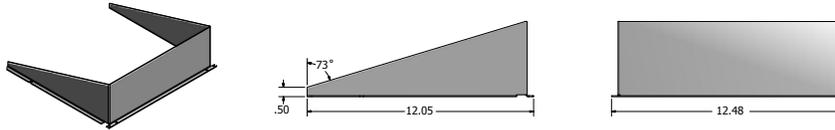
For more control options, visit [DTL](#) and [ROAM](#) online.

### NOTES

- P10, P11, P12 or P13 and rotated optics (L90, R90) only available together.
- Not available with HS.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Not available in P1 or P10.
- Universal mounting brackets intended for retrofit on existing, pre-drilled poles only. 1.5 G vibration load rating per ANCI C136.31.
- Must order fixture with SPA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- Must be ordered with PIRHN. Sensor cover available only in dark bronze, black, white and natural aluminum colors.
- Must be ordered with NLTAIR2. For more information on Light Air 2 visit [this link](#).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option. Shorting cap included.
- If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Node with integral dimming.
- Provides 50/50 fixture operation via (2) independent drivers. Not available with PER, PER5, PER7, PIR or PIRH. Not available P1, P2, P3, P4 or P5.
- Requires (2) separately switched circuits with isolated neutral. See Outdoor Control Technical Guide for details.
- Reference Motion Sensor table on page 4.
- Reference controls options table on page 4 to see functionality.
- Not available with other dimming controls options
- Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- Must be ordered with fixture for factory pre-drilling.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See PER Table on page 3.
- For retrofit use only.

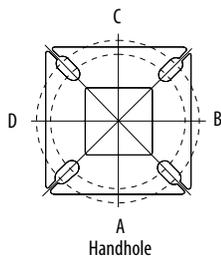
## Options

### EGS - External Glare Shield



## Drilling

### HANDHOLE ORIENTATION

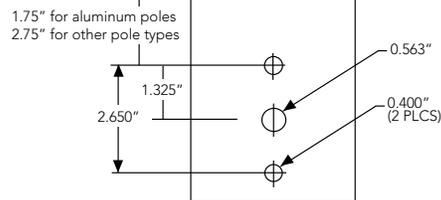


### Tenon Mounting Slipfitter\*\*

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 120	3 @ 90	4 @ 90
2-3/8"	SPA/RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 320	AS3-5 390	AS3-5 490
	SPUMBA	AS3-5 190	AS3-5 280	AS4-5 290	AS3-5 320	AS4-5 390	AS4-5 490
	RUPUMBA	AS3-5 190	AS3-5 280		AS3-5 320		
2-7/8"	SPA/RPA	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
	SPUMBA	AST25-190	AST25-280		AST25-320		
	RUPUMBA	AST25-190	AST25-280		AST25-320		
4"	SPA/RPA	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490
	SPUMBA	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490
	RUPUMBA	AST35-190	AST35-280		AST35-320		

Template #8

Top of Pole



Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS

	Drilling Template	Minimum Acceptable Outside Pole Dimension					
SPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
RPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
SPUMBA	#5	2-7/8"	3"	4"	4"	3.5"	4"
RPUMBA	#5	2-7/8"	3.5"	5"	5"	3.5"	5"

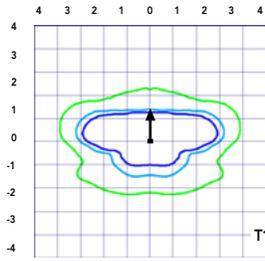
# Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Area Size 1 homepage](#).

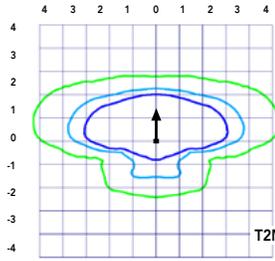
Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (25').

### LEGEND

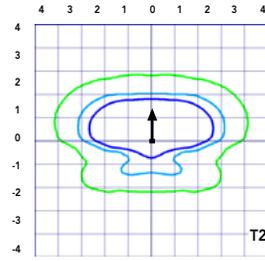
- 0.1 fc
- 0.5 fc
- 1.0 fc



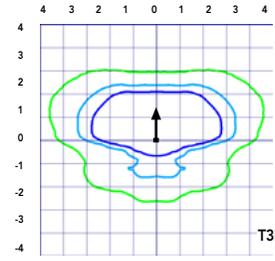
Test No. LT.L23211 tested in accordance with IESNA LM-79-08.



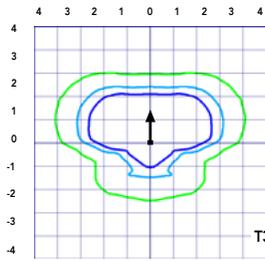
Test No. LT.L23164B tested in accordance with IESNA LM-79-08.



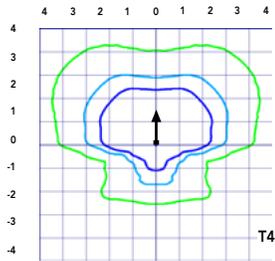
Test No. LT.L23222 tested in accordance with IESNA LM-79-08.



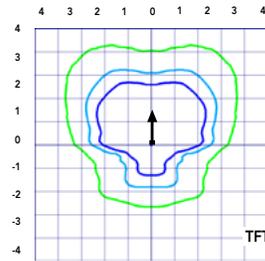
Test No. LT.L23271 tested in accordance with IESNA LM-79-08.



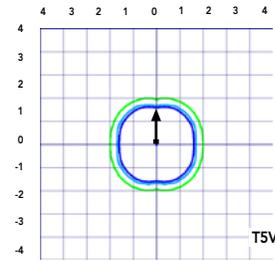
Test No. LT.L23211 tested in accordance with IESNA LM-79-08.



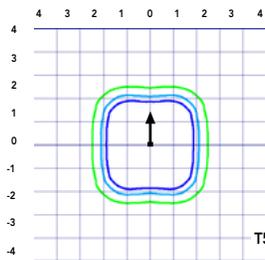
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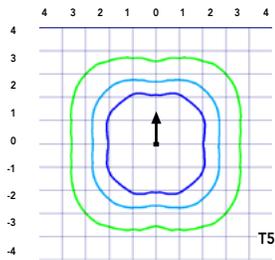
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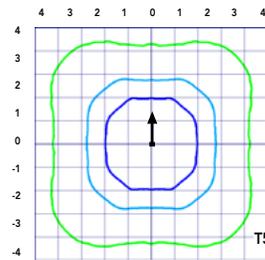
Test No. LT.L23271 tested in accordance with IESNA LM-79-08.



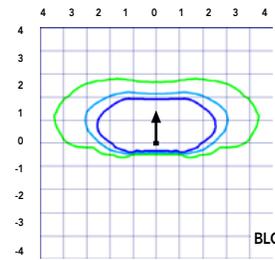
Test No. LT.L23211 tested in accordance with IESNA LM-79-08.



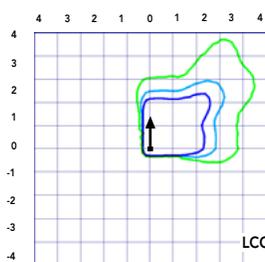
Test No. LT.L23164B tested in accordance with IESNA LM-79-08.



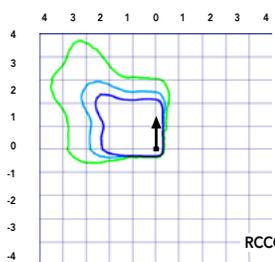
Test No. LT.L23222 tested in accordance with IESNA LM-79-08.



Test No. LT.L23271 tested in accordance with IESNA LM-79-08.



Test No. LT.L23211 tested in accordance with IESNA LM-79-08.



Test No. LT.L23164B tested in accordance with IESNA LM-79-08.

## Performance Data

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
<b>25°C</b>	<b>77°F</b>	<b>1.00</b>
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	Lumen Maintenance Factor
0	1.00
25,000	0.96
50,000	0.92
100,000	0.85

#### Motion Sensor Default Settings

Option	Dimmed State	High Level (when triggered)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min
*PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3 sec	5 min

\*for use when motion sensor is used as dusk to dawn control.

### Electrical Load

	Performance Package	LED Count	Drive Current	Wattage	Current (A)					
					120	208	240	277	347	480
Forward Optics (Non-Rotated)	P1	30	530	54	0.45	0.26	0.23	0.19	0.10	0.12
	P2	30	700	70	0.59	0.34	0.30	0.25	0.20	0.16
	P3	30	1050	102	0.86	0.50	0.44	0.38	0.30	0.22
	P4	30	1250	125	1.06	0.60	0.52	0.46	0.37	0.27
	P5	30	1400	138	1.16	0.67	0.58	0.51	0.40	0.29
	P6	40	1250	163	1.36	0.78	0.68	0.59	0.47	0.34
	P7	40	1400	183	1.53	0.88	0.76	0.66	0.53	0.38
	P8	60	1050	207	1.74	0.98	0.87	0.76	0.64	0.49
	P9	60	1250	241	2.01	1.16	1.01	0.89	0.70	0.51
Rotated Optics (Requires L90 or R90)	P10	60	530	106	0.90	0.52	0.47	0.43	0.33	0.27
	P11	60	700	137	1.15	0.67	0.60	0.53	0.42	0.32
	P12	60	1050	207	1.74	0.99	0.87	0.76	0.60	0.46
	P13	60	1250	231	1.93	1.12	0.97	0.86	0.67	0.49

#### Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FA0	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FA0 device	Cannot be used with other controls options that need the 0-10V leads
DS	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PERS or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire
PIR or PIRH	Motion sensors with integral photocell. PIR for 8-15' mounting; PIRH for 15-30' mounting	Luminaires dim when no occupancy is detected.	Acuity Controls SBOR	Also available with PIRH1FC3V when the sensor photocell is used for dusk-to-dawn operation.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclipse.	nLight Air rSDGR	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app.

# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts Contact factory for performance data on any configurations not shown here.

Forward Optics																			
LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30	530	P1	54W	T1S	6,457	2	0	2	120	6,956	2	0	2	129	7,044	2	0	2	130
				T2S	6,450	2	0	2	119	6,949	2	0	2	129	7,037	2	0	2	130
				T2M	6,483	1	0	1	120	6,984	2	0	2	129	7,073	2	0	2	131
				T3S	6,279	2	0	2	116	6,764	2	0	2	125	6,850	2	0	2	127
				T3M	6,468	1	0	2	120	6,967	1	0	2	129	7,056	1	0	2	131
				T4M	6,327	1	0	2	117	6,816	1	0	2	126	6,902	1	0	2	128
				TFTM	6,464	1	0	2	120	6,963	1	0	2	129	7,051	1	0	2	131
				TSVS	6,722	2	0	0	124	7,242	3	0	0	134	7,334	3	0	0	136
				T5S	6,728	2	0	1	125	7,248	2	0	1	134	7,340	2	0	1	136
				T5M	6,711	3	0	1	124	7,229	3	0	1	134	7,321	3	0	2	136
				TSW	6,667	3	0	2	123	7,182	3	0	2	133	7,273	3	0	2	135
				BLC	5,299	1	0	1	98	5,709	1	0	2	106	5,781	1	0	2	107
				LCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80
				RCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80
30	700	P2	70W	T1S	8,249	2	0	2	118	8,886	2	0	2	127	8,999	2	0	2	129
				T2S	8,240	2	0	2	118	8,877	2	0	2	127	8,989	2	0	2	128
				T2M	8,283	2	0	2	118	8,923	2	0	2	127	9,036	2	0	2	129
				T3S	8,021	2	0	2	115	8,641	2	0	2	123	8,751	2	0	2	125
				T3M	8,263	2	0	2	118	8,901	2	0	2	127	9,014	2	0	2	129
				T4M	8,083	2	0	2	115	8,708	2	0	2	124	8,818	2	0	2	126
				TFTM	8,257	2	0	2	118	8,896	2	0	2	127	9,008	2	0	2	129
				TSVS	8,588	3	0	0	123	9,252	3	0	0	132	9,369	3	0	0	134
				T5S	8,595	3	0	1	123	9,259	3	0	1	132	9,376	3	0	1	134
				T5M	8,573	3	0	2	122	9,236	3	0	2	132	9,353	3	0	2	134
				TSW	8,517	3	0	2	122	9,175	4	0	2	131	9,291	4	0	2	133
				BLC	6,770	1	0	2	97	7,293	1	0	2	104	7,386	1	0	2	106
				LCCO	5,038	1	0	2	72	5,427	1	0	2	78	5,496	1	0	2	79
				RCCO	5,038	1	0	2	72	5,427	1	0	2	78	5,496	1	0	2	79
30	1050	P3	102W	T1S	11,661	2	0	2	114	12,562	3	0	3	123	12,721	3	0	3	125
				T2S	11,648	2	0	2	114	12,548	3	0	3	123	12,707	3	0	3	125
				T2M	11,708	2	0	2	115	12,613	2	0	2	124	12,773	2	0	2	125
				T3S	11,339	2	0	2	111	12,215	3	0	3	120	12,370	3	0	3	121
				T3M	11,680	2	0	2	115	12,582	2	0	2	123	12,742	2	0	2	125
				T4M	11,426	2	0	3	112	12,309	2	0	3	121	12,465	2	0	3	122
				TFTM	11,673	2	0	2	114	12,575	2	0	3	123	12,734	2	0	3	125
				TSVS	12,140	3	0	1	119	13,078	3	0	1	128	13,244	3	0	1	130
				T5S	12,150	3	0	1	119	13,089	3	0	1	128	13,254	3	0	1	130
				T5M	12,119	4	0	2	119	13,056	4	0	2	128	13,221	4	0	2	130
				TSW	12,040	4	0	3	118	12,970	4	0	3	127	13,134	4	0	3	129
				BLC	9,570	1	0	2	94	10,310	1	0	2	101	10,440	1	0	2	102
				LCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76
				RCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76
30	1250	P4	125W	T1S	13,435	3	0	3	107	14,473	3	0	3	116	14,657	3	0	3	117
				T2S	13,421	3	0	3	107	14,458	3	0	3	116	14,641	3	0	3	117
				T2M	13,490	2	0	2	108	14,532	3	0	3	116	14,716	3	0	3	118
				T3S	13,064	3	0	3	105	14,074	3	0	3	113	14,252	3	0	3	114
				T3M	13,457	2	0	2	108	14,497	2	0	2	116	14,681	2	0	2	117
				T4M	13,165	2	0	3	105	14,182	2	0	3	113	14,362	2	0	3	115
				TFTM	13,449	2	0	3	108	14,488	2	0	3	116	14,672	2	0	3	117
				TSVS	13,987	4	0	1	112	15,068	4	0	1	121	15,259	4	0	1	122
				T5S	13,999	3	0	1	112	15,080	3	0	1	121	15,271	3	0	1	122
				T5M	13,963	4	0	2	112	15,042	4	0	2	120	15,233	4	0	2	122
				TSW	13,872	4	0	3	111	14,944	4	0	3	120	15,133	4	0	3	121
				BLC	11,027	1	0	2	88	11,879	1	0	2	95	12,029	1	0	2	96
				LCCO	8,205	1	0	3	66	8,839	1	0	3	71	8,951	1	0	3	72
				RCCO	8,205	1	0	3	66	8,839	1	0	3	71	8,951	1	0	3	72
30	1400	P5	138W	T1S	14,679	3	0	3	106	15,814	3	0	3	115	16,014	3	0	3	116
				T2S	14,664	3	0	3	106	15,797	3	0	3	114	15,997	3	0	3	116
				T2M	14,739	3	0	3	107	15,878	3	0	3	115	16,079	3	0	3	117
				T3S	14,274	3	0	3	103	15,377	3	0	3	111	15,572	3	0	3	113
				T3M	14,704	2	0	3	107	15,840	3	0	3	115	16,040	3	0	3	116
				T4M	14,384	2	0	3	104	15,496	3	0	3	112	15,692	3	0	3	114
				TFTM	14,695	2	0	3	106	15,830	3	0	3	115	16,030	3	0	3	116
				TSVS	15,283	4	0	1	111	16,464	4	0	1	119	16,672	4	0	1	121
				T5S	15,295	3	0	1	111	16,477	4	0	1	119	16,686	4	0	1	121
				T5M	15,257	4	0	2	111	16,435	4	0	2	119	16,644	4	0	2	121
				TSW	15,157	4	0	3	110	16,328	4	0	3	118	16,534	4	0	3	120
				BLC	12,048	1	0	2	87	12,979	1	0	2	94	13,143	1	0	2	95
				LCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71
				RCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71



# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics																			
LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
40	1250	P6	163W	T1S	17,654	3	0	3	108	19,018	3	0	3	117	19,259	3	0	3	118
				T2S	17,635	3	0	3	108	18,998	3	0	3	117	19,238	3	0	3	118
				T2M	17,726	3	0	3	109	19,096	3	0	3	117	19,337	3	0	3	119
				T3S	17,167	3	0	3	105	18,493	3	0	3	113	18,727	3	0	3	115
				T3M	17,683	3	0	3	108	19,049	3	0	3	117	19,290	3	0	3	118
				T4M	17,299	3	0	3	106	18,635	3	0	4	114	18,871	3	0	4	116
				TFTM	17,672	3	0	3	108	19,038	3	0	4	117	19,279	3	0	4	118
				TSVS	18,379	4	0	1	113	19,800	4	0	1	121	20,050	4	0	1	123
				T5S	18,394	4	0	2	113	19,816	4	0	2	122	20,066	4	0	2	123
				T5M	18,348	4	0	2	113	19,766	4	0	2	121	20,016	4	0	2	123
				TSW	18,228	5	0	3	112	19,636	5	0	3	120	19,885	5	0	3	122
				BLC	14,489	2	0	2	89	15,609	2	0	3	96	15,806	2	0	3	97
				LCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72
				RCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72
40	1400	P7	183W	T1S	19,227	3	0	3	105	20,712	3	0	3	113	20,975	3	0	3	115
				T2S	19,206	3	0	3	105	20,690	3	0	3	113	20,952	3	0	3	114
				T2M	19,305	3	0	3	105	20,797	3	0	3	114	21,060	3	0	3	115
				T3S	18,696	3	0	3	102	20,141	3	0	3	110	20,396	3	0	4	111
				T3M	19,258	3	0	3	105	20,746	3	0	3	113	21,009	3	0	3	115
				T4M	18,840	3	0	4	103	20,296	3	0	4	111	20,553	3	0	4	112
				TFTM	19,246	3	0	4	105	20,734	3	0	4	113	20,996	3	0	4	115
				TSVS	20,017	4	0	1	109	21,564	4	0	1	118	21,837	4	0	1	119
				T5S	20,033	4	0	2	109	21,581	4	0	2	118	21,854	4	0	2	119
				T5M	19,983	4	0	2	109	21,527	5	0	3	118	21,799	5	0	3	119
				TSW	19,852	5	0	3	108	21,386	5	0	3	117	21,656	5	0	3	118
				BLC	15,780	2	0	3	86	16,999	2	0	3	93	17,214	2	0	3	94
				LCCO	11,742	2	0	3	64	12,649	2	0	3	69	12,809	2	0	3	70
				RCCO	11,742	2	0	3	64	12,649	2	0	3	69	12,809	2	0	3	70
60	1050	P8	207W	T1S	22,490	3	0	3	109	24,228	3	0	3	117	24,535	3	0	3	119
				T2S	22,466	3	0	4	109	24,202	3	0	4	117	24,509	3	0	4	118
				T2M	22,582	3	0	3	109	24,327	3	0	3	118	24,635	3	0	3	119
				T3S	21,870	3	0	4	106	23,560	3	0	4	114	23,858	3	0	4	115
				T3M	22,527	3	0	4	109	24,268	3	0	4	117	24,575	3	0	4	119
				T4M	22,038	3	0	4	106	23,741	3	0	4	115	24,041	3	0	4	116
				TFTM	22,513	3	0	4	109	24,253	3	0	4	117	24,560	3	0	4	119
				TSVS	23,415	5	0	1	113	25,224	5	0	1	122	25,543	5	0	1	123
				T5S	23,434	4	0	2	113	25,244	4	0	2	122	25,564	4	0	2	123
				T5M	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123
				TSW	23,221	5	0	4	112	25,016	5	0	4	121	25,332	5	0	4	122
				BLC	18,458	2	0	3	89	19,885	2	0	3	96	20,136	2	0	3	97
				LCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
				RCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
60	1250	P9	241W	T1S	25,575	3	0	3	106	27,551	3	0	3	114	27,900	3	0	3	116
				T2S	25,548	3	0	4	106	27,522	3	0	4	114	27,871	3	0	4	116
				T2M	25,680	3	0	3	107	27,664	3	0	3	115	28,014	3	0	3	116
				T3S	24,870	3	0	4	103	26,791	3	0	4	111	27,130	3	0	4	113
				T3M	25,617	3	0	4	106	27,597	3	0	4	115	27,946	3	0	4	116
				T4M	25,061	3	0	4	104	26,997	3	0	4	112	27,339	3	0	4	113
				TFTM	25,602	3	0	4	106	27,580	3	0	4	114	27,929	3	0	4	116
				TSVS	26,626	5	0	1	110	28,684	5	0	1	119	29,047	5	0	1	121
				T5S	26,648	4	0	2	111	28,707	5	0	2	119	29,070	5	0	2	121
				T5M	26,581	5	0	3	110	28,635	5	0	3	119	28,997	5	0	3	120
				TSW	26,406	5	0	4	110	28,447	5	0	4	118	28,807	5	0	4	120
				BLC	20,990	2	0	3	87	22,612	2	0	3	94	22,898	2	0	3	95
				LCCO	15,619	2	0	4	65	16,825	2	0	4	70	17,038	2	0	4	71
				RCCO	15,619	2	0	4	65	16,825	2	0	4	70	17,038	2	0	4	71

# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Rotated Optics																			
LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
60	530	P10	106W	T1S	13,042	3	0	3	123	14,050	3	0	3	133	14,228	3	0	3	134
				T2S	12,967	4	0	4	122	13,969	4	0	4	132	14,146	4	0	4	133
				T2M	13,201	3	0	3	125	14,221	3	0	3	134	14,401	3	0	3	136
				T3S	12,766	4	0	4	120	13,752	4	0	4	130	13,926	4	0	4	131
				T3M	13,193	4	0	4	124	14,213	4	0	4	134	14,393	4	0	4	136
				T4M	12,944	4	0	4	122	13,945	4	0	4	132	14,121	4	0	4	133
				TFTM	13,279	4	0	4	125	14,305	4	0	4	135	14,486	4	0	4	137
				TSVS	13,372	3	0	1	126	14,405	4	0	1	136	14,588	4	0	1	138
				T5S	13,260	3	0	1	125	14,284	3	0	1	135	14,465	3	0	1	136
				T5M	13,256	4	0	2	125	14,281	4	0	2	135	14,462	4	0	2	136
				TSW	13,137	4	0	3	124	14,153	4	0	3	134	14,332	4	0	3	135
				BLC	10,906	3	0	3	103	11,749	3	0	3	111	11,898	3	0	3	112
				LCCO	7,789	1	0	3	73	8,391	1	0	3	79	8,497	1	0	3	80
				RCCO	7,779	4	0	4	73	8,380	4	0	4	79	8,486	4	0	4	80
60	700	P11	137W	T1S	16,556	3	0	3	121	17,835	3	0	3	130	18,061	4	0	4	132
				T2S	16,461	4	0	4	120	17,733	4	0	4	129	17,957	4	0	4	131
				T2M	16,758	4	0	4	122	18,053	4	0	4	132	18,281	4	0	4	133
				T3S	16,205	4	0	4	118	17,457	4	0	4	127	17,678	4	0	4	129
				T3M	16,748	4	0	4	122	18,042	4	0	4	132	18,271	4	0	4	133
				T4M	16,432	4	0	4	120	17,702	4	0	4	129	17,926	4	0	4	131
				TFTM	16,857	4	0	4	123	18,159	4	0	4	133	18,389	4	0	4	134
				TSVS	16,975	4	0	1	124	18,287	4	0	1	133	18,518	4	0	1	135
				T5S	16,832	4	0	1	123	18,133	4	0	2	132	18,362	4	0	2	134
				T5M	16,828	4	0	2	123	18,128	4	0	2	132	18,358	4	0	2	134
				TSW	16,677	4	0	3	122	17,966	5	0	3	131	18,193	5	0	3	133
				BLC	13,845	3	0	3	101	14,915	3	0	3	109	15,103	3	0	3	110
				LCCO	9,888	1	0	3	72	10,652	2	0	3	78	10,787	2	0	3	79
				RCCO	9,875	4	0	4	72	10,638	4	0	4	78	10,773	4	0	4	79
60	1050	P12	207W	T1S	22,996	4	0	4	111	24,773	4	0	4	120	25,087	4	0	4	121
				T2S	22,864	4	0	4	110	24,631	5	0	5	119	24,943	5	0	5	120
				T2M	23,277	4	0	4	112	25,075	4	0	4	121	25,393	4	0	4	123
				T3S	22,509	4	0	4	109	24,248	5	0	5	117	24,555	5	0	5	119
				T3M	23,263	4	0	4	112	25,061	4	0	4	121	25,378	4	0	4	123
				T4M	22,824	5	0	5	110	24,588	5	0	5	119	24,899	5	0	5	120
				TFTM	23,414	5	0	5	113	25,223	5	0	5	122	25,543	5	0	5	123
				TSVS	23,579	5	0	1	114	25,401	5	0	1	123	25,722	5	0	1	124
				T5S	23,380	4	0	2	113	25,187	4	0	2	122	25,506	4	0	2	123
				T5M	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123
				TSW	23,165	5	0	4	112	24,955	5	0	4	121	25,271	5	0	4	122
				BLC	19,231	4	0	4	93	20,717	4	0	4	100	20,979	4	0	4	101
				LCCO	13,734	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
				RCCO	13,716	4	0	4	66	14,776	4	0	4	71	14,963	4	0	4	72
60	1250	P13	231W	T1S	25,400	4	0	4	110	27,363	4	0	4	118	27,709	4	0	4	120
				T2S	25,254	5	0	5	109	27,205	5	0	5	118	27,550	5	0	5	119
				T2M	25,710	4	0	4	111	27,696	4	0	4	120	28,047	4	0	4	121
				T3S	24,862	5	0	5	108	26,783	5	0	5	116	27,122	5	0	5	117
				T3M	25,695	5	0	5	111	27,680	5	0	5	120	28,031	5	0	5	121
				T4M	25,210	5	0	5	109	27,158	5	0	5	118	27,502	5	0	5	119
				TFTM	25,861	5	0	5	112	27,860	5	0	5	121	28,212	5	0	5	122
				TSVS	26,043	5	0	1	113	28,056	5	0	1	121	28,411	5	0	1	123
				T5S	25,824	4	0	2	112	27,819	5	0	2	120	28,172	5	0	2	122
				T5M	25,818	5	0	3	112	27,813	5	0	3	120	28,165	5	0	3	122
				TSW	25,586	5	0	4	111	27,563	5	0	4	119	27,912	5	0	4	121
				BLC	21,241	4	0	4	92	22,882	4	0	4	99	23,172	4	0	4	100
				LCCO	15,170	2	0	4	66	16,342	2	0	4	71	16,549	2	0	4	72
				RCCO	15,150	5	0	5	66	16,321	5	0	5	71	16,527	5	0	5	72

## Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability<sup>1</sup>
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background<sup>1</sup>

To learn more about A+, visit [www.acuitybrands.com/aplus](http://www.acuitybrands.com/aplus).

1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: [Link to Roam](#); [Link to DTL DLL](#)

## FEATURES & SPECIFICATIONS

### INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

### CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (1.01 ft<sup>2</sup>) for optimized pole wind loading.

### FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

### OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 3000 K, 4000 K and 5000 K (70 CRI) configurations. The D-Series Size 1 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

### ELECTRICAL

Light engine configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L85/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

### STANDARD CONTROLS

The DSX1 LED area luminaire has a number of control options. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensors with on-board photocells feature field-adjustable programming and are suitable for mounting heights up to 30 feet.

### nLIGHT AIR CONTROLS

The DSX1 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight Air can be found here.

### INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern (template #8). NEMA photocontrol receptacle are also available.

### LISTINGS

UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product.

Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

### WARRANTY

5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

**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.



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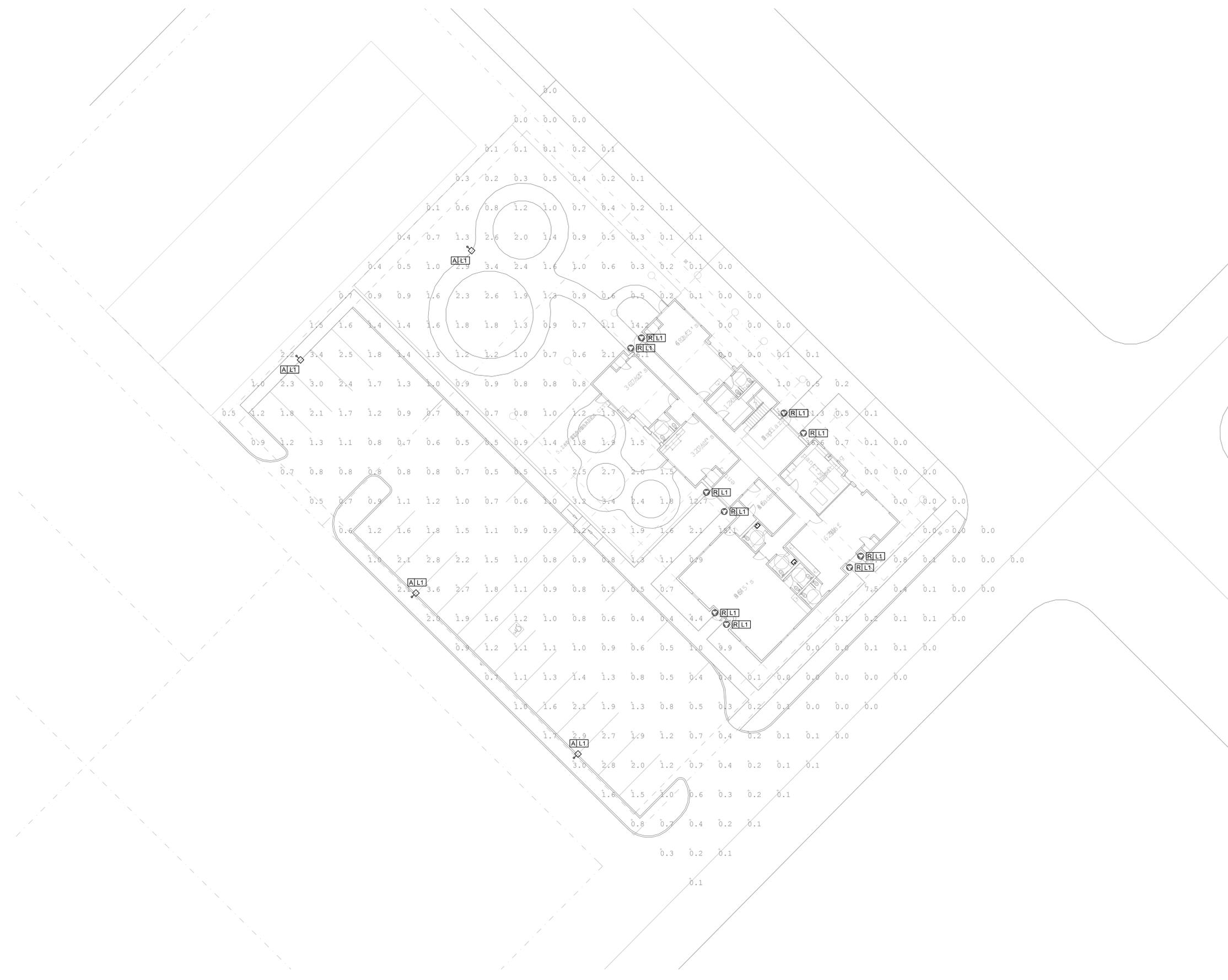
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project: 190404  
date: 08/06/19  
  
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PHOTOMETRIC SITE PLAN  
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