

WANDERIST OFFICE & RETAIL

3743 E. INDIAN SCHOOL ROAD, PHOENIX, AZ 85018

ABBREVIATIONS

A	AIR	MICRO	MICROWAVE
A/C	AIR CONDITIONING	MIN	MINIMUM
ACT	ACOUSTICAL TREATMENT (CEILING TILE OR PANEL)	MIR	MIRROR
AD	AREA DRAIN	MISC	MISCELLANEOUS
ADD	ADDENDUM	MM	MILLIMETER - S
ADJ	ADJUSTABLE	MTL	METAL
AFF	ABOVE FINISH FLOOR	MULL	MULLION
AL, ALUM	ALUMINUM	N	NORTH
ALT	ALTERNATE	NA	NOT APPLICABLE
ANOD	ANODIZED	NIC	NOT IN CONTRACT
APPROX	APPROXIMATE	NO, #	NUMBER
ARCH	ARCHITECT, -URAL	NOM	NOMINAL
BETW	BETWEEN	NTS	NOT TO SCALE
BLDG	BUILDING	OC	ON CENTER
BOC	BOTTOM OF CURB	OD	OVERFLOW DRAIN
BOF	BOTTOM OF FOOTING	OFCl	OWNER FURNISHED/CONTRACTOR INSTALLED
CAB	CABINET	OFI	OWNER FURNISHED & INSTALLED
CARD	CARD READER	OH	OPPOSITE HAND
CB	CATCH BASIN	OPP	OPPOSITE
CEM	CEMENT	OSB	ORIENTED STRANDBOARD
CJ	CONTROL JOINT	OZ	OUNCE
CL	CENTERLINE	PCF	POUNDS PER CUBIC FEET
CLG	CEILING	PERF	PERFORATE, -D
CLO	CLOSET	PL	PLATE
CLR	CLEAR, -ANCE	PLAM	PLASTIC LAMINATE
CM	CENTIMETER	PLAS	PLASTER
CMU	CONCRETE MASONRY UNIT	PLYWD	PLYWOOD
COL	COLUMN	PNL	PANEL
CONC	CONCRETE	PNT, P	PAINT, -ED
CONST, CONSTR	CONSTRUCTION	PORC	PORCELAIN
CONT	CONTINUE, -OUS	POS	POSITION
CORR	CORRIDOR	PREFAB	PREFABRICATE, -D
CTR	CENTER	PTN	PARTITION
DEMO	DEMOLISH, DEMOLITION	R	RECEPTACLE
DEP, DEPR	DEPRESSED	R	RISER
DET, DTL	DETAIL	RAD	RADIUS
DIA	DIAMETER	RCP	REFLECTED CEILING PLAN
DIAG	DIAGONAL	RD	ROOF DRAIN
DIM	DIMENSION	REF	REFERENCE
DN	DOWN	REFL	REFLECT, -ED, -IVE, -OR
DP	DAMPPOOFING	REFR	REFRIGERATOR
DWG	DRAWING	REINF	REINFORCE
E	EAST	REM	REMOVE
EA	EACH	REQ'D	REQUIRED
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	REV	REVISE, REVISION
EJ	EXPANSION JOINT	R	ROUGH OPENING
EL	ELEVATION	RO	ROUGH OPENING
ELEC	ELECTRICAL	S	SOUTH
ELEV	ELEVATOR	SCHED	SCHEDULE
EMER	EMERGENCY	SEAL	SEALANT
EP	ELECTRICAL PANEL	SECT	SECTION
EPS	EXPANDED POLYSTYRENE	SHT	SHEET
EQ	EQUAL	SHTHG	SHEATHING
EQUIP	EQUIPMENT	SHWR	SHOWER
EX, (E)	EXISTING	SIL	SILICONE
EXP	EXPOSED	SIM	SIMILAR
EXT	EXTERIOR	SPEC	SPECIFICATION (S)
FA	FIRE ALARM	SPF	SPRAY POLYURETHANE FOAM
FD	FLOOR DRAIN	SPK	SPEAKER
FDN	FOUNDATION	SPR	SINGLE-PLY ROOFING
FE	FIRE EXTINGUISHER	SQ	SQUARE
FEC	FIRE EXTINGUISHER CABINET	SST, SS	STAINLESS STEEL
FF	FINISHED FLOOR	STC	SOUND TRANSMISSION CLASS
FHC	FIRE HOSE CABINET	STD	STANDARD
FIN	FINISH	STL	STEEL
FLR, FL	FLOOR, -ING	STOR	STORAGE
FOC	FACE OF CONCRETE	STR, STRL	STRUCTURE, STRUCTURAL
FOF	FACE OF FINISH	SYM	SYMMETRY, -(ICAL)
FOM	FACE OF MASONRY	T	TEL/DATA OUTLET
FOS	FACE OF STUDS	T STAT	THERMOSTAT
FUT	FUTURE	T&G	TONGUE AND GROOVE
GA	GAUGE	TEL	TELEPHONE
GAL, GALV	GALVANIZED	THK	THICK, -NESS
GFI	GROUND FAULT INTERRUPTER	THRU	THROUGH
GL	GLASS, GLAZING, GLAZED	TOC	TOP OF CONCRETE, CURB
GWB	GYPSPUM BOARD	TOP	TOP OF FOOTING
GYP	GYPSPUM	TOP	TOP OF PAVEMENT
HB	HOSE BIB	TOS	TOP OF STEEL
HGT, HT	HEIGHT	TOW	TOP OF WALL
HM	HOLLOW METAL	TRANS, TPT	TRANSPARENT
HOR, HORIZ	HORIZONTAL	TV	TELEVISION
HSS	HOLLOW STEEL SHAPE	TYP	TYPICAL
HVAC	HEATING, VENTILATING, AIR CONDITIONING	UC	UNDER CABINET
ID	INSIDE DIAMETER	UL	UNDERWRITERS' LABORATORIES
INCL	INCLUDE, -D, -ING	UNO	UNLESS NOTED OTHERWISE
INSUL	INSULATE, -ION, -D, -ING	UNO	UNLESS OTHERWISE NOTED
INT	INTERIOR	VCT	VINYL COMPOSITION TILE
IT	JOINT	VERT	VERTICAL
KIT	KITCHEN	VIF	VERIFY IN FIELD
LAM	LAMINATE	W	WEST
LAV	LAVATORY	W	WIDTH
LT	LIGHT	W/	WITH
LVL	LEVEL	W/O	WITHOUT
MANUF	MANUFACTURER	WC	WATER CLOSET
MAS	MASONRY	WD	WOOD
MAT, MATL	MATERIAL, -S	WDW	WINDOW
MAX	MAXIMUM	WF	WIDE FLANGE
MDF	MEDIUM DENSITY FIBERBOARD	WP	WATERPROOF, -ING
MECH	MECHANIC, -AL	WP/C	WATERPROOFING, CRYSTALLINE
MED	MEDIUM	WT	WEIGHT
MEMB	MEMBRANE	WWF	WELDED WIRE FABRIC
MET	METAL, -LIC	XPS	EXTRUDED POLYSTYRENE INSULATION
MFD	MANUFACTURED		

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GENERAL NOTES

IF THERE IS A CONFLICT BETWEEN ANY NOTES, DRAWINGS, OR SPECIFICATIONS, THE MOST RESTRICTIVE SHALL APPLY.

ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE GOVERNING EDITION OF THE INTERNATIONAL BUILDING CODE, OR SUCH OTHER LEGAL CODES, AND SHALL CONFORM TO ANY SPECIAL REQUIREMENTS OF ANY LENDING OR GOVERNMENTAL INSTITUTIONS.

CONTRACTOR AND SUBCONTRACTORS SHALL BE LICENSED IN THE STATE OF THE PROJECT SITE AND SHALL BE KNOWLEDGEABLE, SKILLED, AND COMPETENT TO PERFORM THE INTENDED WORK.

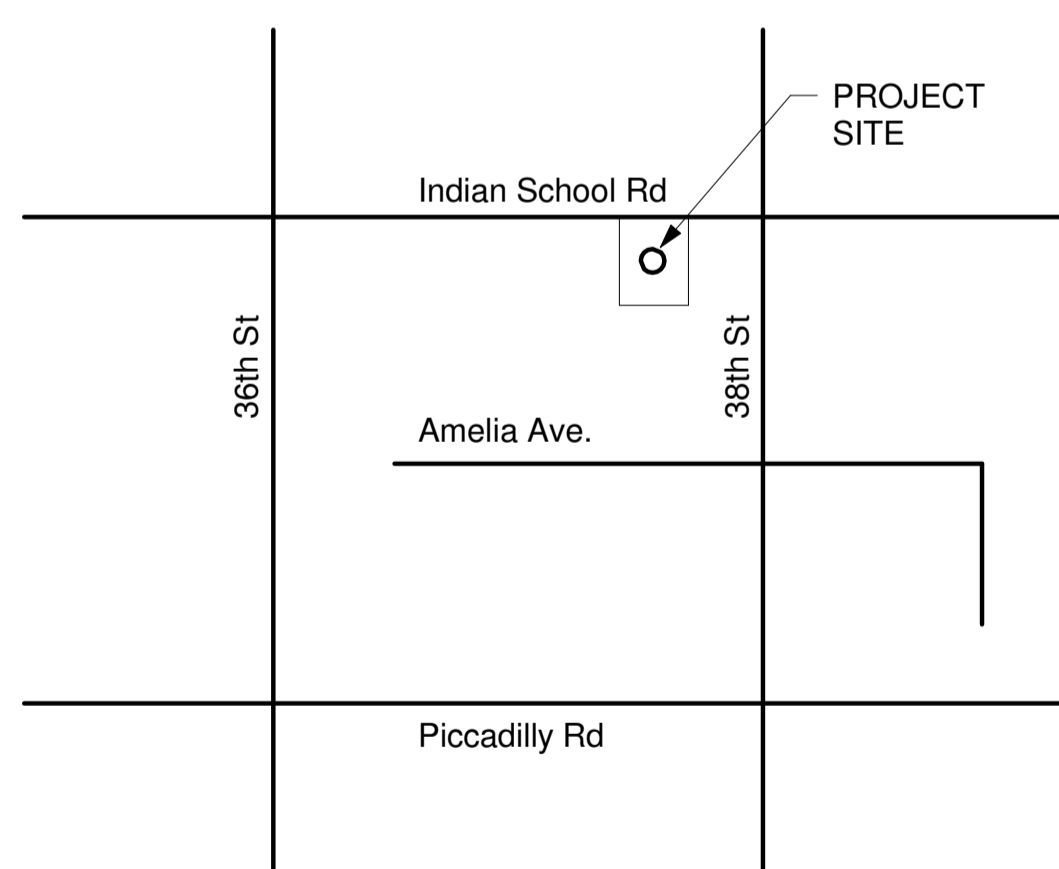
CONTRACTOR AND SUBCONTRACTOR SHALL ENSURE THAT ALL WORK IS PERFORMED IN A PROFESSIONAL MANNER BY SKILLED CRAFTSMAN OR TRADESMAN AND SHALL REPLACE ANY ITEMS DAMAGED BY THE CONTRACTOR OR SUBCONTRACTORS AT NO COST TO THE OWNER. SUBCONTRACTORS SHOULD COOPERATE FULLY WITH EACH OTHER DURING THE COURSE OF CONSTRUCTION TO DETERMINE THE EXACT EXTENT AND OVERLAP OF EACH OTHERS WORK AND TO SUCCESSFULLY COMPLETE THE EXECUTION OF THE WORK IN A TIMELY MANNER.

CONTRACTOR AND SUBCONTRACTORS SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, AND PROCEDURES, AND FOR THE SAFETY PRECAUTIONS IN CONNECTION WITH THE WORK.

CONTRACTOR AND SUBCONTRACTORS SHALL, AT ALL TIMES INDEMNIFY AND HOLD THE ARCHITECT HARMLESS AGAINST ALL LIABILITY FOR CLAIMS AND LIENS FOR LABOR PERFORMED OR MATERIALS USED OR FURNISHED TO BE USED ON THE JOB, INCLUDING ANY COSTS AND EXPENSES FOR ATTORNEY FEES AND ALL INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING TO THE ARCHITECT ARISING FROM SUCH CLAIMS.

ALL BIDS SUBMITTED AND ACCEPTED UNDER THIS CONTRACT SHALL INCLUDE ALL MATERIALS AND LABOR NECESSARY TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE DOCUMENTS.

THE ARCHITECT NEITHER WARRANTS NOR GUARANTEES ANY CONSTRUCTION MATERIAL, EQUIPMENT, APPLIANCE, FIXTURE, HARDWARE, FINISH, OR MEAN/METHOD OF CONSTRUCTION. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR ANY PROJECT SITE GRADING OR DRAINAGE, NOR ANY TOXIC AND HAZARDOUS MATERIAL, GROUND EROSION, CORROSION, SUBSOIL, OR AIR AND WATER CONDITIONS, OR SIMILAR SUCH CONDITIONS OF THE PROJECT.



VICINITY MAP

PROJECT DESCRIPTION

NEW 3,760 SF OFFICE/RETAIL BUILDING CONSTRUCTED ON EXISTING SLAB ON GRADE.

DEFERRED SUBMITTALS

FIRELINE FIRE SPRINKLER FIRE ALARM

FIRE ACCESS GATE ACCESS KNOX BOX

SEPARATE SUBMITTALS

SIGNAGE LANDSCAPE INVENTORY/SALVAGE GATES

CODE COMPLIANCE

2018 INTERNATIONAL BUILDING CODE
2018 UNIFORM PLUMBING CODE
2018 INTERNATIONAL MECHANICAL CODE
2017 NATIONAL ELECTRIC CODE
2018 INTERNATIONAL FUEL AND GAS CODE
2018 INTERNATIONAL ENERGY CONSERVATION CODE
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
2012 INTERNATIONAL FIRE CODE

SPECIAL INSPECTIONS

SEE STRUCTURAL S.02

CONTRACTOR & OWNER NOTICE

THIS PROJECT HAS BEEN PERMITTED UNDER THE CITY OF PHOENIX SELF-CERTIFICATION PROGRAM. THE PROJECT IS SUBJECT TO AUDIT AND FIELD INSPECTION BY THE PLANNING & DEVELOPMENT DEPARTMENT. IF THE CONSTRUCTION OF THE PROJECT IS CONTRARY TO, OR DOES NOT MEET THE STANDARD OF THE CITY OF PHOENIX BUILDING CONSTRUCTION CODES, THE OWNER, AT HIS/HER OWN EXPENSE, SHALL REMOVE OR MODIFY ANY AND ALL COMPONENTS THAT DO NOT CONFORM. ANY DEVIATIONS FROM THE APPROVED PLAN MUST BE COORDINATED IN ADVANCE WITH THE CITY INSPECTOR AND REVISED PLANS OR SKETCHES MUST BE PROVIDED BY THE SELF-CERTIFIED PROFESSIONAL.

CERTIFICATION STATEMENT

I HEREBY CERTIFY THAT THESE DRAWINGS ARE PREPARED BY ME, UNDER MY SUPERVISION, OR REVIEWED BY ME AND TO THE BEST OF MY PROFESSIONAL KNOWLEDGE CONFORM TO THE PHOENIX BUILDING CONSTRUCTION CODE.

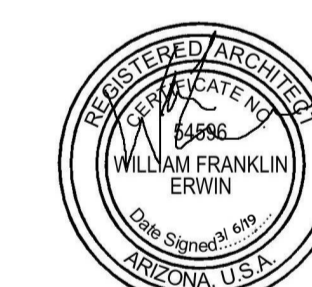
SELF CERTIFIED BY: *Donald Andrews* DATE: 03/11/19
DONALD ANDREWS CERTIFICATE #45

- PLANS WERE PREPARED BY OR UNDER THE DIRECT SUPERVISION OF, OR REVIEWED BY THE SELF-CERTIFIED PROFESSIONAL.
- PLANS ARE COMPLETE.
- THE PLANS ARE, AS OF THE DATE OF SUBMISSION, IN ACCORDANCE WITH THE REQUIREMENTS OF THE PHOENIX BUILDING CONSTRUCTION CODE AND ALL OTHER APPLICABLE LAWS.

KIVA #18-1372
SDEV #1800276
PAPP #1806619
PRLC
QS Q16-36

SHEET ISSUE/REV:

NO.	DESCRIPTION	DATE
-	PRE-APP MTG	10.10.18
-	MINOR SITE PLAN	01.09.19
-	CITY SUBMITTAL	03.06.19



Expires 6.30.19

Owner JONATHAN PITT
Proj. Name WANDERIST OFFICE & RETAIL

COVER SHEET

Date 03/06/19

A000

Scale 1/4" = 1'-0"

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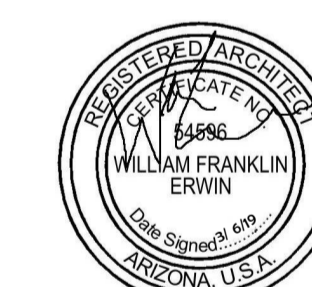
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SHEET ISSUE/REV:

NO.	DESCRIPTION	DATE
-	PRE-APP MTG	10.10.18
-	MINOR SITE PLAN	01.09.19
-	CITY SUBMITTAL	03.06.19



Owner JONATHAN PITT
 Proj. Name WANDERIST OFFICE & RETAIL

CODE DATA & EGRESS PLAN

Date 03/06/19

A001

Scale As indicated

ZONING DATA

PARCELS: 127-25-120-J & 127-25-122
 ZONING: C-1
 ADDRESS: 3743 E. INDIAN SCHOOL ROAD, PHOENIX, AZ 85018

CONSTRUCTION TYPE

TYPE VB - SPRINKLERED (UNDER SEPARATE PERMIT)
 OCCUPANCY CLASSIFICATION B, M
 2018 IECC CLIMATE ZONE - 2B

BUILDING LIMITATIONS

REFERENCE IBC TABLE 504.3, SECTION 504.4, AND SECTION 506.2

GROUP	TYPE 5B	HEIGHT
M	2 / 27,000	UL/UL
B	3 / 27,000	

MAX HEIGHT 60'
 THE PROPOSED BUILDING IS A SINGLE STORY

OCCUPANCY CLASSIFICATION

REFERENCE IBC TABLE 1004.1.2

AREA OF USE	OCCUPANCY	LOAD FACTOR
PARKING GARAGE	S-2	200 GROSS
STORAGE	S-1	300 GROSS
MECH/ELEC	S-1	300 GROSS
BUSINESS	B	100 GROSS
MERCANTILE	M	30 GROSS
SWIMMING POOL	A-3	50 GROSS
SWIMMING POOL DECK	A-3	15 GROSS
RESIDENTIAL UNIT	R-2	200 GROSS
RES. BALCONY/PATIO	R-2	200 GROSS
CIRCULATION SPACE	NA	100 GROSS
ASSEMBLY (UNCONCENTRATED)	A-3	15 NET
ASSEMBLY (CONCENTRATED)	A-3	7 NET

FIRE RESISTANCE RATING

BUILDING ELEMENT	TYPE 5B	TABLE
STRUCTURAL FRAME	0 HR	TABLE 601
EXTERIOR NON-BEARING WALLS	X-5*	TABLE 602
INTERIOR NON-BEARING WALLS	0 HR	TABLE 601
EXTERIOR BEARING WALLS	0 HR	TABLE 601
INTERIOR BEARING WALLS	0 HR	TABLE 601
FLOOR CONSTRUCTION	0 HR	TABLE 601
ROOF CONSTRUCTION	0 HR	TABLE 601

SAFETY GLAZING

GLAZING LOCATION	MINIMUM CATEGORY CLASSIFICATION	
	9 SF OR LESS	MORE THAN 9 SF
FRAMED SWING DOORS	I	II
UNFRAMED SWING DOORS	I	II
TUB AND SHOWER ENCLOSURE	NR	II
ADJACENT TO DOORS	I	II
INDIVIDUAL PANELS	II	II
ADJACENT WALKING SURFACE	NR	II

SAFETY GLAZING WILL NOT BE PROVIDED WHERE ALLOWED BY IBC 2406.3

EXIT TRAVEL DISTANCE

MAXIMUM EXIT ACCESS TRAVEL DISTANCE	IBC, TABLE 1016.2
GROUP M	250 FEET
GROUP B	300 FEET

MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE	IBC, TABLE 1014.3
GROUP M	75 FEET
GROUP B	100 FEET

DISTANCES REFLECT THE PRESENCE OF AUTOMATIC SPRINKLER SYSTEM

EGRESS COMPONENTS

EXIT SIGNS:
 1. EXITS AND EXIT ACCESS DOORS WILL BE MARKED BY AN APPROVED EXIT SIGN READILY VISIBLE FROM ANY DIRECTION OF EGRESS TRAVEL. EXIT SIGN PLACEMENT WILL BE SUCH THAT NO POINT IN A CORRIDOR IS MORE THAN 100 FEET, OR THE LISTED VIEWING DISTANCE FROM THE SIGN, WHICH EVER IS LESS, FROM THE NEAREST VISIBLE EXIT SIGN.
 2. EXIT SIGN LETTERS TO BE NOT LESS THAN 2" WIDE X 6" HIGH (EXCEPT LETTER I), AND THE MINIMUM SPACING BETWEEN THE LETTERS WILL NOT BE LESS THAN (3/4) INCHES. IBC FIGURE 1011.6.1
 3. EXIT SIGN LETTERS TO BE IN HIGH CONTRAST WITH THE BACKGROUND AND CLEARLY DISCERNABLE WHEN THE MEANS OF EGRESS ILLUMINATION IS OR IS NOT ENERGIZED.
 4. EXIT SIGN LETTERS TO BE IN HIGH CONTRAST WITH THE BACKGROUND AND CLEARLY DISCERNABLE WHEN THE MEANS OF EGRESS ILLUMINATION IS OR IS NOT ENERGIZED.
 5. TO ENSURE CONTINUED ILLUMINATION FOR A DURATION OF NOT LESS THAN 90 MINUTES IN CASE OF PRIMARY POWER LOSS, THE SIGN WILL BE CONNECTED TO AN EMERGENCY POWER SYSTEM PROVIDED FROM AN ONSITE GENERATOR.

DOORS:
 1. MINIMUM CLEAR WIDTH SHALL BE .2 INCHES PER OCCUPANT SERVED. MINIMUM CLEAR WIDTH SHALL BE REDUCED TO .15 INCHES PER OCCUPANT SERVED IN BUILDING EQUIPPED THROUGHOUT AUTOMATIC SPRINKLER SYSTEM & EMERGENCY VOICEALARM COMMUNICATION SYSTEM, BUT NOT LESS THAN 32 INCHES. IBC, SECTION 1005.3.2 AND TABLE 1008.1.1
 2. MINIMUM HEIGHT SHALL BE 80 INCHES. IBC, SECT 1008.1.1
 3. MAXIMUM WIDTH OF SWINGING DOOR LEAF IS 48 INCHES. IBC, SECT 1008.1.1
 4. DOORS WILL BE SIDE HINGED SWINGING TYPE, AND WILL SWING IN THE DIRECTION OF TRAVEL WHERE THE AREA SERVED HAS AN OCCUPANT OF 50 OR MORE. IBC SECT 1008.1.2
 5. DOORS WILL BE SET IN MOTION WHEN SUBJECTED TO A 30 POUND FORCE, AND SWING TO THE FULLY OPEN POSITION WHEN SUBJECTED TO A 15 POUND FORCE. IBC, TABLE 1008.1.3
 6. DOORS WILL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE, OR SPECIAL EFFORT.

CORRIDORS:
 1. MINIMUM CLEAR WIDTH SHALL BE .15 INCHES PER OCCUPANT SERVED IN BUILDING EQUIPPED THROUGHOUT AUTOMATIC SPRINKLER SYSTEM & EMERGENCY VOICEALARM COMMUNICATION SYSTEM, BUT NOT LESS THAN 44 INCHES. IBC, SECT 1005.3.2 & 1018.2
 2. MIN CLEAR WIDTH WITH AN OCCUPANT CAP OF 50 OR LESS IS 36 INCHES. IBC SECT 1018.2
 3. THE MAXIMUM LENGTH OF DEAD-END CORRIDORS IS 50 FEET FOR GROUP B, M, S, & R-2 AND 20 FEET FOR ALL OTHER OCCUPANCIES. IBC, SECTION 1018.4

INTERVENING ROOMS:
 1. EGRESS FROM A ROOM OR SPACE MAY NOT PASS THROUGH ADJOINING OR INTERVENING ROOMS OR AREAS, EXCEPT WHERE SUCH ADJOINING ROOMS OR AREAS ARE ACCESSORY TO THE AREA SERVED, NOT A HIGH-HAZARD OCCUPANCY, AND PROVIDE A DISCERNABLE PATH OF EGRESS TRAVEL TO AN EXIT. IBC SECT 1014.2
 2. EGRESS MAY NOT PASS THROUGH STORAGE ROOMS, CLOSETS, OR SPACES USED FOR SIMILAR PURPOSES.
 3. EXIT ACCESS MAY NOT PASS THROUGH A ROOM THAT CAN BE LOCKED TO PREVENT EGRESS. IBC, SECTION 1014.2

CODE DATA

2018 CITY OF PHOENIX BUILDING CONSTRUCTION CODE INCLUDING THE FOLLOWING CODES AND AMENDMENTS:
 2018 IBC (INTERNATIONAL BUILDING CODE)
 2018 IECC (INTERNATIONAL ENERGY CONSERVATION CODE)
 2018 IFC (INTERNATIONAL FIRE CODE)
 2017 NEC (NATIONAL ELECTRIC CODE)
 2018 IMC (INTERNATIONAL MECHANICAL CODE)
 2018 IPC (INTERNATIONAL PLUMBING CODE)
 2018 UPC (UNIFORM PLUMBING CODE)

ACCESSIBILITY:
 CHAPTER 11 OF THE IBC
 2009 ANSI A117.1, ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

OTHER:
 VARIOUS NFPA CODES AND STANDARDS AS REFERENCED BY CODES LISTED ABOVE

FIRE EXTINGUISHERS

EX PER IBC TABLE SECTION 906 PROVIDE 2-A RATED EXTINGUISHERS. MAX TRAVEL DISTANCE TO EXTINGUISHER 75'-0". MAXIMUM FLOOR AREA PER UNIT OF "A" IS 3,000 SF.
 EXIT SIGN

PLUMBING FIXTURE COUNTS

IBC TABLE 2902.1

CLASSIFICATION	OCCUPANCY	WATER CLOSETS	LAVS	TUB / SHOWERS	DRINKING FOUNTAINS	OTHER
BUSINESS	B	1 per 25 for the first 50 and 1 per 50 for the remainder exceeding 50	1 per 40 for the first 80 and 1 per 80 for the remainder exceeding 80	-	1 per 100 14/100 - 14	1 Service Sink
MERCANTILE	M	1 per 500 78/500 - 15	1 per 750 78/750 - 10	-	1 per 1000 78/1000 - 078	1 Service Sink

WATER CLOSETS
 1 REQUIRED
 2 PROVIDED

DRINKING FOUNTAINS
 1 REQUIRED
 WATER COOLER PROVIDED IN LIEU OF DRINKING FOUNTAIN

SERVICE SINK
 1 REQUIRED
 1 PROVIDED

NOTE: PER IBC 2902.2 SEPARATE FACILITIES ARE NOT REQ'D FOR EA. SEX IN MERCANTILE OCCUPANCIES W/ MAXIMUM OCCUPANT LOAD OF 100 OR FEWER OR BUSINESS OCCUPANCIES W/ 25 OR FEWER. PROVIDE UNISEX SIGNAGE PER IBC 2902.4

IECC DATA

ALL NEW FENESTRATION MUST MEET REQUIREMENTS OF 2012 IECC TABLE C402.3 CLIMATE ZONE 2

TABLE C402.3 BUILDING ENVELOPE REQUIREMENTS: FENESTRATION

CLIMATE ZONE	Vertical fenestration							
	1	2	3	4 EXCEPT MARINE 5 AND MARINE 6	6	7	8	
U-factor	0.50	0.50	0.46	0.38	0.38	0.36	0.29	0.29
Fixed fenestration	0.50	0.50	0.46	0.38	0.38	0.36	0.29	0.29
Operable fenestration	0.65	0.65	0.60	0.45	0.45	0.43	0.37	0.37
Entrance doors	1.10	0.83	0.77	0.77	0.77	0.77	0.77	0.77
SHGC	0.25	0.25	0.25	0.40	0.40	0.40	0.45	0.45
SHGC	0.25	0.25	0.25	0.40	0.40	0.40	0.45	0.45
U-factor	0.75	0.65	0.55	0.50	0.50	0.50	0.50	0.50
SHGC	0.35	0.35	0.35	0.40	0.40	0.40	NR	NR

NR = No requirement.

OCCUPANT LOAD

OCCUPANT LOAD TABLE

AREA NAME	USE GROUP	AREA	NET OR GROSS	LOAD FACTOR	OCCUPANT LOAD
OFFICE & STOCK ROOM	B	1408 SF	GROSS	100 SF	14
RETAIL AREA	M	2336 SF	GROSS	30 SF	78

NO SEPARATION BETWEEN USES REQUIRED PER TABLE 508.4

EXIT ARRANGEMENT

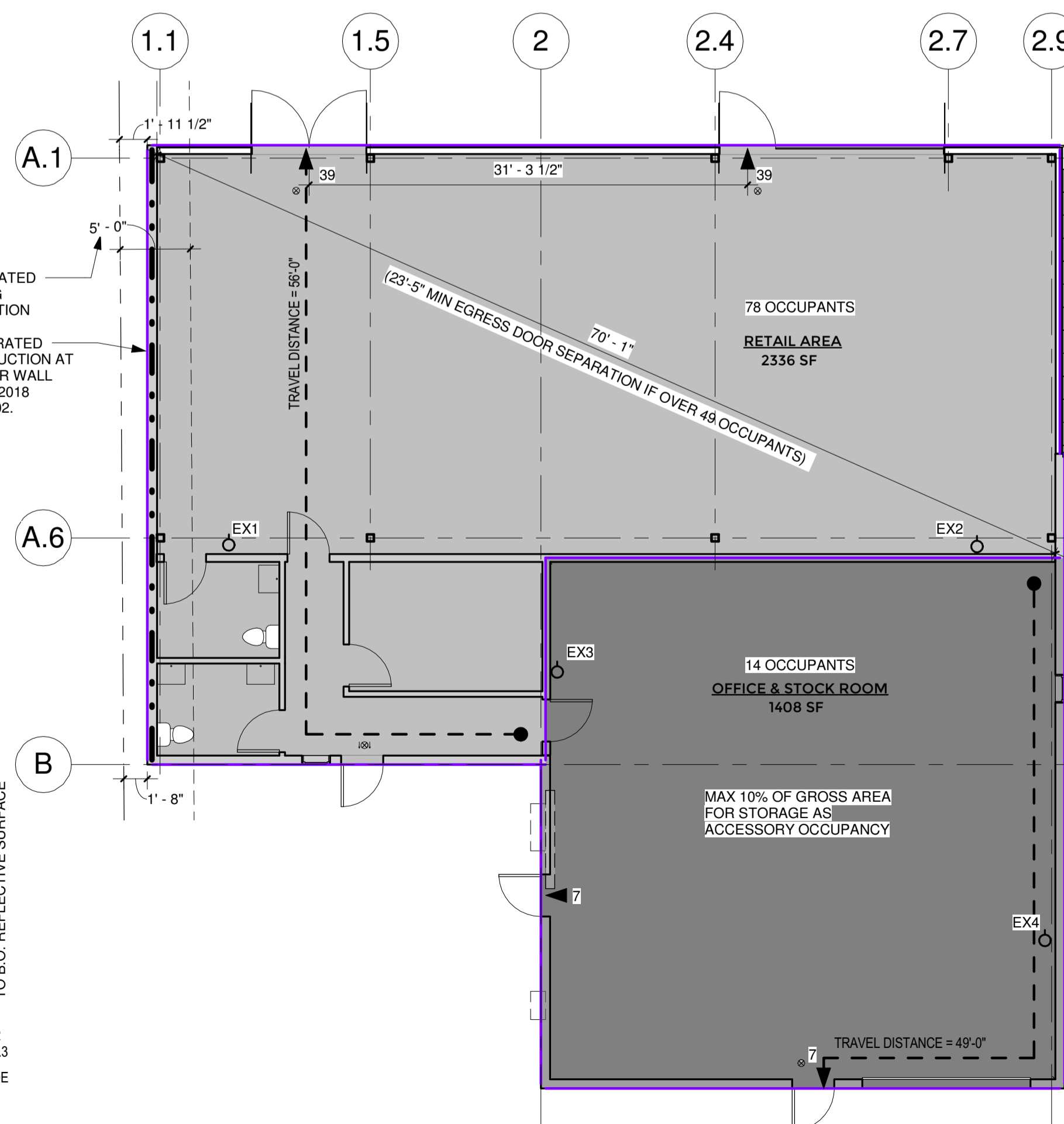
REFERENCE IBC SECTION 1015 & 1021

A MINIMUM OF TWO EXITS WILL BE PROVIDED WHERE EVER THE OCCUPANT LOAD IS GREATER THAN 49 PERSONS IN B AND M USES.

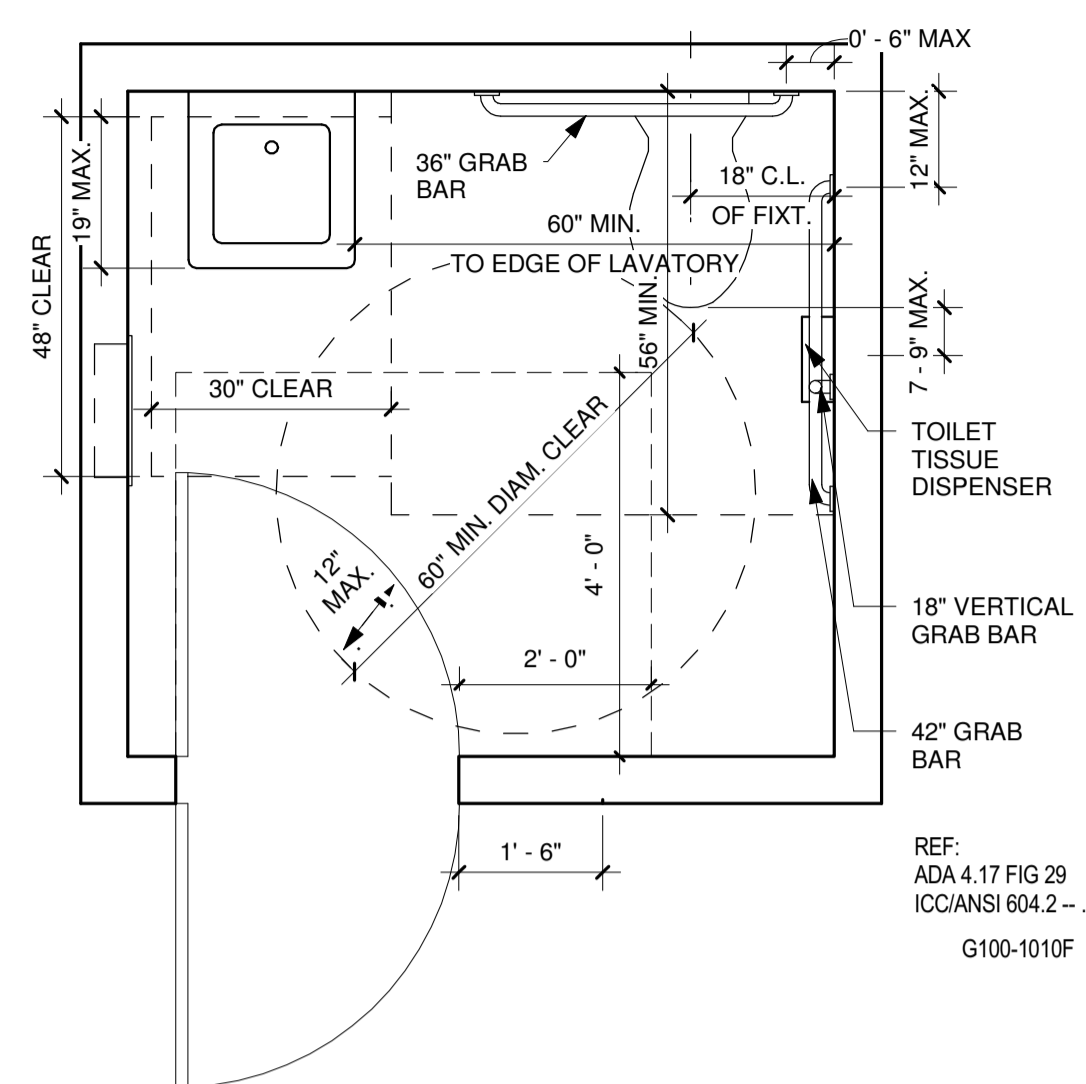
RETAIL AREA
 2 EXITS REQUIRED
 2 EXITS PROVIDED

PRINT AREA
 1 EXIT REQUIRED
 2 EXITS PROVIDED

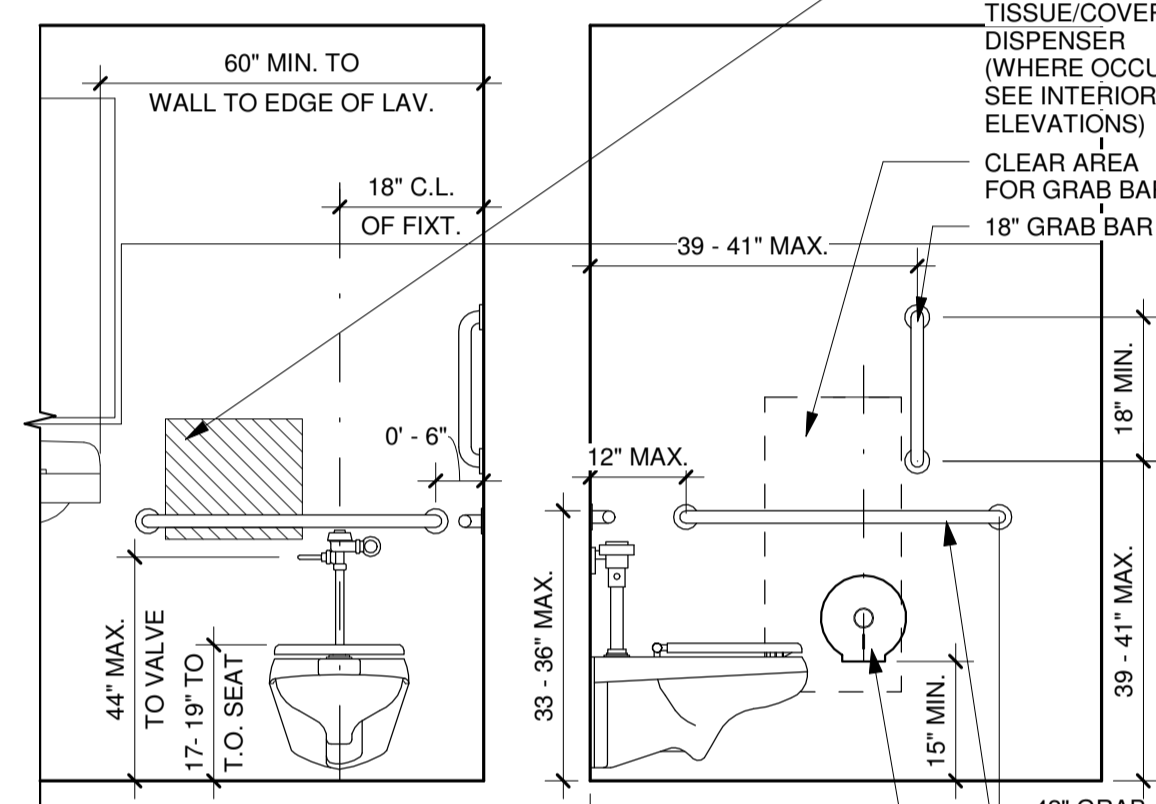
WHERE EVER TWO EXITS ARE REQUIRED FROM ANY PORTION OF THE BUILDING, THE EXITS WILL BE LOCATED A DISTANCE OF NOT LESS THAN ONE-THIRD OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE SPACE.



1 CODE PLAN AND EXITING DIAGRAM
 1/8" = 1'-0"



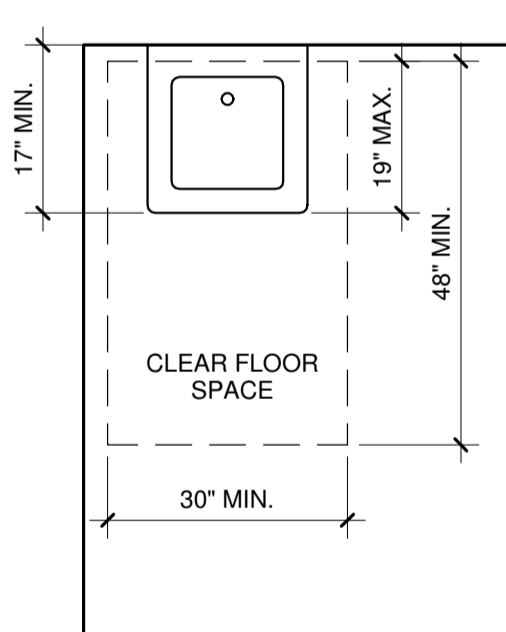
16. BATHROOM PLAN



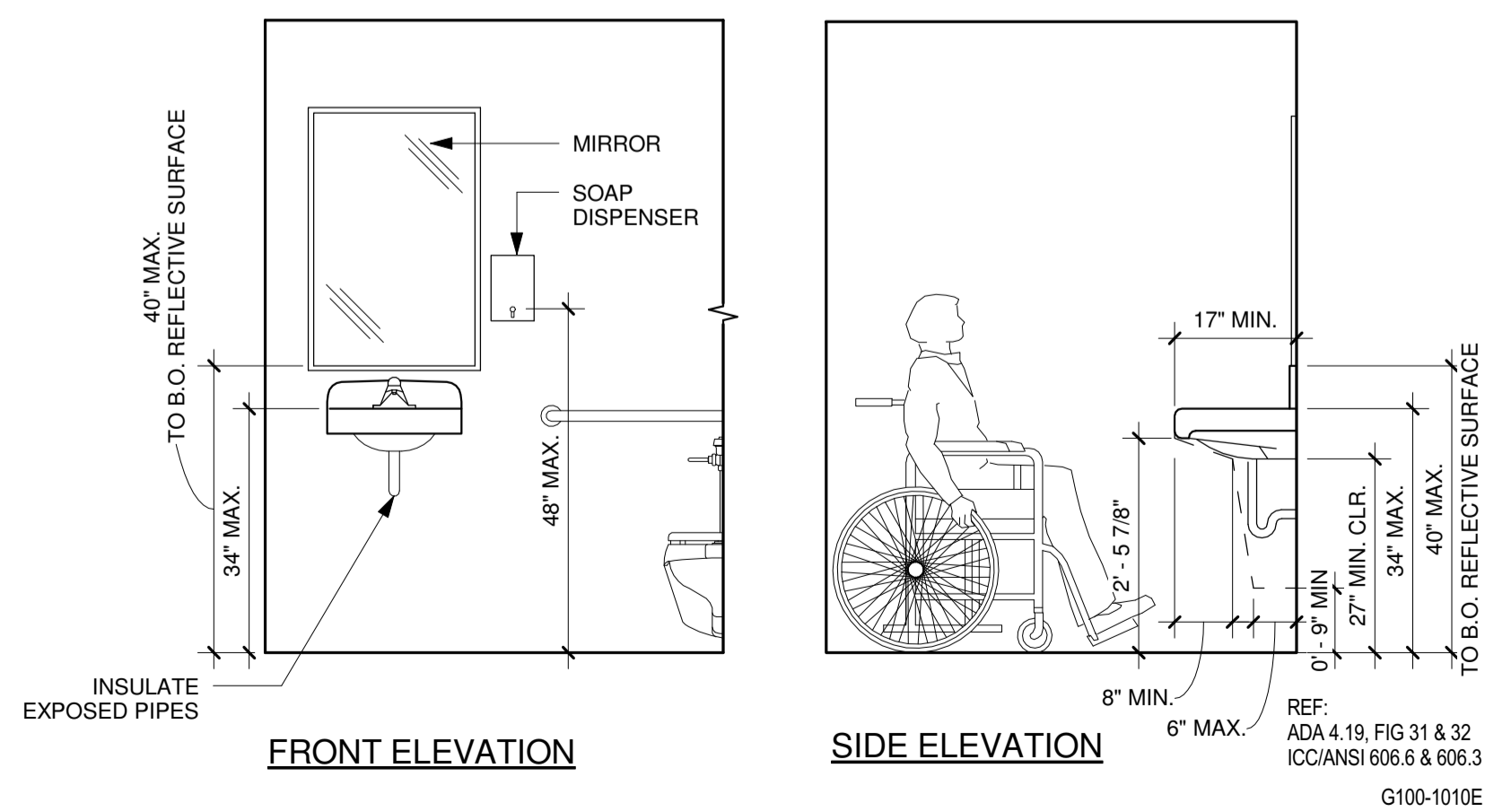
15. FRONT ELEVATION

14. SIDE ELEVATION

3 SINGLE TOILET ROOM
 1/2" = 1'-0"



SINK PLAN



FRONT ELEVATION

SIDE ELEVATION

2 ACCESSIBLE LAVATORY
 1/2" = 1'-0"

COMcheck Software Version 4.1.1.0
Envelope Compliance Certificate

Project Information

Energy Code: 2018 IECC
Project Title: Wanderist Office & Retail
Location: Phoenix, Arizona
Climate Zone: 2b
Project Type: New Construction
Vertical Glazing / Wall Area: 29%
Skylight / Roof Area: 0%

Construction Site: 3743 E. Indian School Road, Phoenix, AZ 85018
Owner/Agent: Jonathan Pitt, Superluxe Screen Printing, 3007 N 73rd St Ste. E, Scottsdale, AZ 85251, 480.247.6653

Designer/Contractor: William Erwin, Erwin Architecture & Development, LLC, 5911 W. Park Ave, Chandler, AZ 85226, 602.677.8372, will@erwinarchitecture.com

Additional Efficiency Package(s)

Enhanced Envelope Performance

Building Area	Floor Area
1-Retail with office, print area, and support space (Retail) : Nonresidential	3744

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor _{req}
Roof 1: Attic Roof with Wood Joists, [Bldg. Use 1 - Retail with office, print area, and support space]	3744	28.0	10.0	0.026	0.027
Skylight 1: Metal Frame with Thermal Break-Glass, With Curb, Perf. Specs.: Product ID 3762, SHGC 0.35, [Bldg. Use 1 - Retail with office, print area, and support space] (c)	5	---	---	0.650	0.650
Floor 1: Slab-On-Grade-Unheated, [Bldg. Use 1 - Retail with office, print area, and support space] (d)	265	---	---	0.730	0.730
NGRTH					
Exterior Wall 5: Wood-Framed, 24" o.c., [Bldg. Use 1 - Retail with office, print area, and support space]	980	20.0	0.0	0.062	0.064
Window 4: Other Window-Fixed, Perf. Specs.: Product ID NA, SHGC 0.25, [Bldg. Use 1 - Retail with office, print area, and support space] (c)	673	---	---	0.180	0.500
Window 5: Other Window-Fixed, Perf. Specs.: Product ID NA, SHGC 0.33, PF 0.38, [Bldg. Use 1 - Retail with office, print area, and support space] (c)	96	---	---	0.500	0.500
Door 4: Glass (> 50% glazing) Nonmetal Frame, Entrance Door, Perf. Specs.: Product ID NA, SHGC 0.37, PF 0.38, [Bldg. Use 1 - Retail with office, print area, and support space] (c)	99	---	---	0.830	0.830
EAST					
Exterior Wall 1: Wood-Framed, 24" o.c., [Bldg. Use 1 - Retail with	1007	20.0	0.0	0.062	0.064

Project Title: Wanderist Office & Retail
Data filename: C:\Users\stocci\Desktop\Wanderist.cck
Report date: 03/04/19
Page 1 of 11

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor _{req}
office, print area, and support space]	275	---	---	0.180	0.500
Window 1: Other Window-Fixed, Perf. Specs.: Product ID NA, SHGC 0.25, [Bldg. Use 1 - Retail with office, print area, and support space] (c)	22	---	---	0.650	0.650
Window 3: Metal Frame-Operable, Perf. Specs.: Product ID NA, SHGC 0.25, [Bldg. Use 1 - Retail with office, print area, and support space] (c)					
SOUTH					
Exterior Wall 1: Wood-Framed, 24" o.c., [Bldg. Use 1 - Retail with office, print area, and support space]	980	20.0	0.0	0.062	0.064
Window 2: Metal Frame-Operable, Perf. Specs.: Product ID NA, SHGC 0.25, [Bldg. Use 1 - Retail with office, print area, and support space] (c)	7	---	---	0.650	0.650
Door 1: Insulated Metal, Swinging, [Bldg. Use 1 - Retail with office, print area, and support space]	42	---	---	0.610	0.610
Door 2: Insulated Metal, Garage door 14% glazing, [Bldg. Use 1 - Retail with office, print area, and support space]	126	---	---	0.310	0.310
WEST					
Exterior Wall 3: Wood-Framed, 16" o.c., [Bldg. Use 1 - Retail with office, print area, and support space]	750	20.0	0.0	0.064	0.064
Exterior Wall 4: Wood-Framed, 24" o.c., [Bldg. Use 1 - Retail with office, print area, and support space]	340	20.0	0.0	0.062	0.064
Door 3: Insulated Metal, Swinging, [Bldg. Use 1 - Retail with office, print area, and support space]	21	---	---	0.610	0.610

- (a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
- (b) Other components require supporting documentation for proposed U-factors.
- (c) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.
- (d) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

Envelope Passes: Design 12% better than code

Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.1.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

William Erwin, President
Name - Title: Signature: 3/4/19 Date

Project Title: Wanderist Office & Retail
Data filename: C:\Users\stocci\Desktop\Wanderist.cck
Report date: 03/04/19
Page 2 of 11

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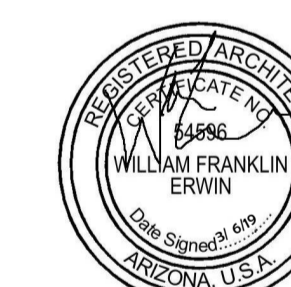
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SHEET ISSUE/REV:

NO.	DESCRIPTION	DATE
-	PRE-APP MTG	10.10.18
-	MINOR SITE PLAN	01.09.19
-	CITY SUBMITTAL	03.06.19



Expires 6.30.19

Owner: JONATHAN PITT
Proj. Name: WANDERIST OFFICE & RETAIL

ENVELOPE COMCHECK

Date: 03/06/19

A002

Scale

SELF CERTIFIED BY: DONALD ANDREWS DATE: 03/06/2019 CERTIFICATE #45

- PLANS WERE PREPARED BY OR UNDER THE DIRECT SUPERVISION OF, OR REVIEWED BY THE SELF-CERTIFIED PROFESSIONAL.
- PLANS ARE COMPLETE.
- THE PLANS ARE, AS OF THE DATE OF SUBMISSION, IN ACCORDANCE WITH THE REQUIREMENTS OF THE PHOENIX BUILDING CONSTRUCTION CODE AND ALL OTHER APPLICABLE LAWS.

KIVA #18-1372
SDEV #1800276
PAPP #1806619
PRLC
QS Q16-36

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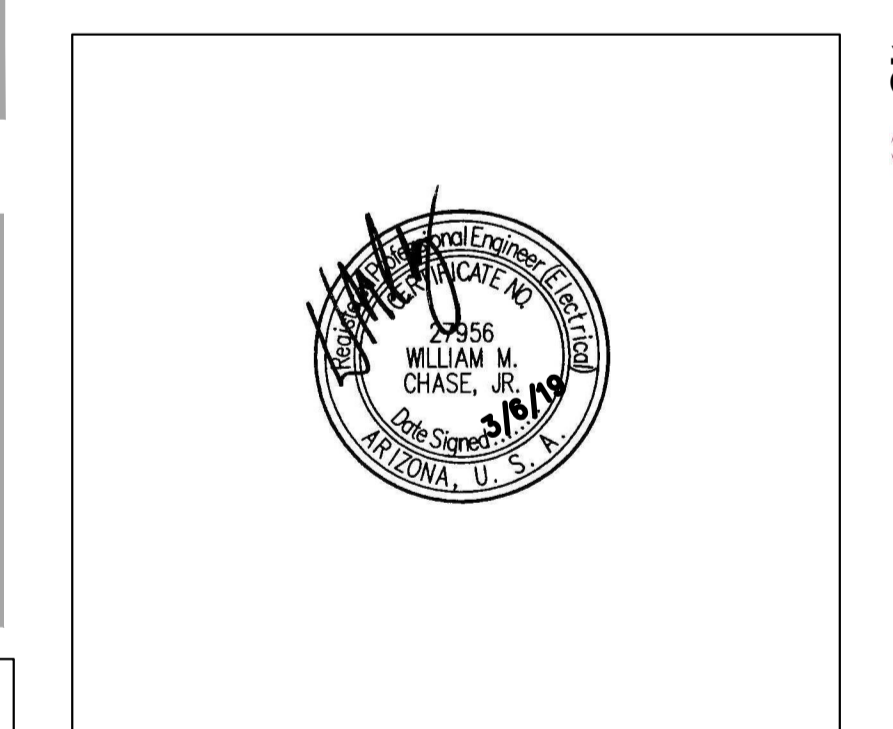
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NO.	DESCRIPTION	DATE
-	PRE-APP MTG	10.10.18
-	MINOR SITE PLAN	01.09.19
-	CITY SUBMITTAL	03.06.19



Owner JONATHAN PITT
Proj. Nam WANDERIST OFFICE & RETAIL

ELECTRICAL LEGEND AND SCHEDULES

Date 03/06/19

E001

Scale AS SHOWN

KIVA #18-1372
SDEV #1800276
PAPP #1806619
PRLC
QS Q16-36

LIGHT FIXTURE SCHEDULE						
MARK	MANUFACTURER MODEL NUMBER	VOLTAGE	LAMP TYPE	MOUNTING	DESCRIPTIONS	REMARKS
A	FLUXWERX ILLUMINATION INC APC R D D 35 B XX S E1 M XX	120	35W LED (PER 4-FT) 6595 LUMENS 3500K	SURFACE AT UNDERSIDE OF STRUCTURE	LED LINEAR DIRECT/INDIRECT RUNS (RUN LENGTHS PER PLAN)	-
B	LITHONIA LIGHTING LDNS CYL 35/15 L06AR LSS FM	120	21W LED 1526 LUMENS 3500K	STEM AT 9'-0"	6-IN DOWNLIGHT CYLINDER WITH CLEAR SEMI-SPECULAR REFLECTOR	-
C	LITHONIA LIGHTING CLX L48 4000LM SEF RDL MVOLT G210 35K 80CRI	120	28W LED 6595 LUMENS 3500K	SURFACE AT UNDERSIDE OF STRUCTURE	STRIP LIGHT WITH ROUND DIFFUSE LENS	PROVIDE 10W EMERGENCY BATTERY BACKUP WHERE DESIGNATED "EM"
D-DMX	LUMINI DMX 3Z RGBW	24	-	2-GANG BOX	"RGB" WIRELESS CONTROLLER	-
D1	LUMINI LLX18-RGB 6"8" /PSV 40 24V U2ND/ DDMX-RGBW	24	30W RGB LED	SURFACE	"RGB" ACCENT TAPE LIGHT. APPROXIMATELY 6'-8" IN LENGTH	PROVIDE ALL COMPONENTS FOR COMPLETE WORKING SYSTEM. VERIFY LENGTH.
D2	LUMINI LLX18-RGB 25' /PSV 96 24V U2ND/ DDMX-RGBW	24	83W RGB LED	SURFACE	"RGB" ACCENT TAPE LIGHT. APPROXIMATELY 25'-0" IN LENGTH	PROVIDE ALL COMPONENTS FOR COMPLETE WORKING SYSTEM. VERIFY LENGTH.
D3	LUMINI LLX18-RGB 30' / 90' TURN/PSV 96 24V U2ND/ DDMX-RGBW	24	90W RGB LED	SURFACE	"RGB" ACCENT TAPE LIGHT. APPROXIMATELY 30'-0" IN LENGTH	PROVIDE ALL COMPONENTS FOR COMPLETE WORKING SYSTEM. VERIFY LENGTH.
S1A	LITHONIA LIGHTING DSXB LED 16C 530 40K SYM	120	28W LED 2397 LUMENS 4000K	GROUND	PARKING LOT BOLLARD LIGHT. WET LOCATION LISTED.	FULL CUTOFF
S1B	LITHONIA LIGHTING DSXB LED 12C 530 40K ASY	120	22W LED 1847 LUMENS 4000K	GROUND	PARKING LOT BOLLARD LIGHT. WET LOCATION LISTED.	FULL CUTOFF
S2	LITHONIA LIGHTING CLX L48 3000LM SEF FDL MVOLT G210 40K 80CRI	120	13W LED 998LUMENS 4000K	RECESSED	ENTRY PORTAL STRIPLIGHT WITH FLAT LENS. DAMP LOCATION LISTED.	LED'S TO BE FIELD INSTALLED AFTER CHANNEL HAS BEEN MOUNTED TO ENTRY PORTAL. NO UPLIGHT.
S2E	LITHONIA LIGHTING CLX L48 3000LM SEF FDL MVOLT G210 40K 80CRI PS1050	120	13W LED 998LUMENS 4000K	RECESSED	ENTRY PORTAL STRIPLIGHT WITH EMERGENCY BATTERY BACKUP. DAMP LOCATION LISTED.	LED'S TO BE FIELD INSTALLED AFTER CHANNEL HAS BEEN MOUNTED TO ENTRY PORTAL. NO UPLIGHT.
S3	LITHONIA LIGHTING DSXW LED 10C 1000 40K TFM MVOLT	120	39W LED 3945 LUMENS 4000K	WALL @ 10'-0"	PARKING LOT LIGHT. WET LOCATION LISTED.	FULL CUTOFF
S4E	LITHONIA LIGHTING WST LED P2 40K VV MVOLT E7WH	120	25W LED 3276LUMENS 4000K	WALL @ 10'-0"	EXTERIOR ARCHITECTURAL SCENCE WITH EMERGENCY BATTERY BACKUP. WET LOCATION LISTED.	FULL CUTOFF
S5E	LITHONIA LIGHTING WST LED P1 40K VV MVOLT E7WH	120	12W LED 1639 LUMENS 4000K	WALL @ 10'-0"	EXTERIOR ARCHITECTURAL SCENCE WITH EMERGENCY BATTERY BACKUP. WET LOCATION LISTED.	FULL CUTOFF
-	-	-	-	-	-	-
☒	LITHONIA LIGHTING EU2C SD	120	FURNISHED WITH FIXTURE	WALL	EMERGENCY LIGHTING UNIT	WITH SELF DIAGNOSTICS
⊕	LITHONIA LIGHTING LQC 1 G EL N ELA B US36	120	FURNISHED WITH FIXTURE	36" STEM	EXIT SIGN WITH EMERGENCY BATTERY BACKUP - GREEN LETTERS	MOUNT STEM TO BOTTOM OF STRUCTURE

- NOTES:
- MANUFACTURER AND MODEL NUMBERS LISTED IN THIS SCHEDULE ARE FOR THE PURPOSE OF ESTABLISHING THE APPEARANCE, QUALITY, AND PERFORMANCE OF THE FIXTURE. SUBSTITUTIONS ARE ACCEPTABLE TO P.A.C.E PROVIDED THE APPEARANCE, QUALITY, AND PERFORMANCE OF THE SUBSTITUTED FIXTURE IS EQUAL TO WHAT IS SPECIFIED. THE CONTRACTOR SHALL OBTAIN PERMISSION FROM THE ARCHITECT TO BID ALTERNATE FIXTURES PRIOR TO SUBMITTING HIS BIDS. THE CONTRACTOR SHALL BEAR ALL RESPONSIBILITY WHEN SUBSTITUTING FIXTURES FOR FURNISHING FIXTURES WHICH PERFORM EQUALLY TO THE FIXTURE SPECIFIED. THE CONTRACTOR SHALL FURNISH COMPUTER GENERATED POINT-BY-POINT CALCULATIONS FOR SUBSTITUTED FIXTURES IF REQUESTED BY THE ARCHITECT OR ENGINEER.
 - MODEL NUMBERS LISTED IN THE SCHEDULE MAY NOT INCLUDE ALL COMPONENTS OR OPTIONS FOR A COMPLETE SYSTEM AS SHOWN ON THE LIGHTING PLANS. THE CONTRACTOR AND LIGHT FIXTURE MANUFACTURER SHALL RECEIVE AND REVIEW ALL ELECTRICAL PLANS AND ARCHITECT'S REFLECTIVE CEILING PLANS PRIOR TO SUBMITTING A BID. ANY DISCREPANCIES BETWEEN MODEL NUMBERS AND DESIGN SHOWN ON THE PLANS SHALL BE SUBMITTED IN WRITING TO THE GENERAL CONTRACTOR DURING THE BID PROCESS FOR RESOLUTION. UNLESS OTHERWISE INDICATED BY RFI DURING THE BIDDING PROCESS THE CONTRACTOR AND LIGHTING MANUFACTURER AGREE THAT THEIR BID INCLUDES ALL NECESSARY COMPONENTS FOR A COMPLETE AND FUNCTIONAL INSTALLATION.
 - REFER TO SHEET E101 FOR COMCHECK COMPLIANCE CERTIFICATES.

HVAC EQUIPMENT SCHEDULE									
UNIT NUMBER	EQUIPMENT DESCRIPTION	HP	KVA	KW	AMPS	VOLTS/ϕ	(See Note 1) DISC SW	(See Note 2) STARTER	(See Notes 3, 4) BRANCH CIRCUIT**
CU 1,2	SPLIT SYSTEM HEAT PUMP OUTDOOR UNIT	-	-	-	28.5 MCA	230/1	60A/2P	-	2#8, 1#10 GND., 3/4"C.
CU 3	SPLIT SYSTEM HEAT PUMP OUTDOOR UNIT	-	-	-	34.2 MCA	230/1	60A/2P	-	2#6, 1#10 GND., 1"C.
PC 1,2,3	SPLIT SYSTEM HEAT PUMP INDOOR UNIT	3/4	-	-	6.9 FLA	230/1	30A/2P	W/UNIT	2#12, 1#12 GND., 1/2"C
EF 1	EXHAUST FAN	-	-	77W	<1.0 FLA	120/1	\$M	\$M	2#12, 1#12 GND., 1/2"C
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
IWH 1,2	INSTANTANEOUS WATER HEATER	-	-	3.6	40	120/1	60	-	2#8, 1#10 GND., 3/4"C.

- NOTES:
- NEMA 3R WHERE OUTSIDE. PROVIDE FUSING PER HVAC EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.
 - ALL MOTOR STARTERS LOCATED OUTDOORS SHALL BE PROVIDED WITH TEMPERATURE COMPENSATED ELECTRONIC OVERLOADS IN LIEU OF BIMETALLIC OVERLOAD ELEMENTS.
 - ALL CONDUCTORS FEEDING HVAC EQUIPMENT SHALL BE COPPER WITH INSULATION RATED FOR 90 DEGREES C.
 - WIRE SIZE INDICATED BASED UPON TABLE 310.15(B)(16) NOT DE-RATED. ALL CONDUCTORS SERVING OUTDOOR EQUIPMENT AND/OR ROUTED OUTDOORS, SHALL BE DE-RATED FOR 117-122°F (NEC TABLE 310.15(B)(2)(A)).

ELECTRICAL LEGEND

(NOT ALL SYMBOLS MAY BE USED ON THIS PROJECT).

LIGHTING
(SEE LIGHTING FIXTURE SCHEDULE FOR DESCRIPTION OF ALL FIXTURES.)

- FLUORESCENT TROFFER FIXTURE.
- FLUORESCENT STRIP FIXTURE.
- FLUORESCENT WRAPAROUND FIXTURE.
- NIGHTLIGHT (NL) AND/OR EMERGENCY FIXTURE (EM). SEE PLAN FOR DESIGNATION.
- WALL MOUNTED LIGHT FIXTURE.
- WALL MOUNTED FLUORESCENT LIGHT FIXTURE.
- CEILING MOUNTED OR RECESSED DOWNLIGHT FIXTURE.
- RECESSED WALL WASH FIXTURE. AIM AS DIRECTED BY THE ARCHITECT.
- LIGHTING TRACK.
- TRACK HEAD OR FLOODLIGHT FIXTURE.
- DUAL HEAD EMERGENCY LIGHT FIXTURE WITH 90 MINUTE BATTERY PACK. AIM AS DIRECTED BY CITY INSPECTOR.
- CEILING MOUNTED EMERGENCY EXIT SIGN. ARROWS INDICATE PATH OF EGRESS. SHADED AREA INDICATES FACE.
- WALL MOUNTED EMERGENCY EXIT SIGN. ARROWS INDICATE PATH OF EGRESS. SHADED AREA INDICATES FACE.

DEVICES

- SINGLE-POLE TOGGLE SWITCH MOUNTED +48" AFF TO TOP OF BOX OR AS NOTED.
- TWO-POLE TOGGLE SWITCH MOUNTED +48" AFF TO TOP OF BOX OR AS NOTED.
- THREE-WAY TOGGLE SWITCH MOUNTED +48" AFF TO TOP OF BOX OR AS NOTED.
- FOUR-WAY TOGGLE SWITCH MOUNTED +48" AFF TO TOP OF BOX OR AS NOTED.
- MULTI-LEVEL SWITCHING. INNER LAMPS OF FLUORESCENT FIXTURES TO BE SWITCHED BY "1W" AND OUTER LAMPS TO BE SWITCHED BY "B". INCANDESCENT OR SINGLE BALLAST FIXTURES TO BE SWITCHED AS INDICATED ON DRAWINGS.
- SLIDE CONTROL DIMMER AT +48" AFF TO TOP OF BOX (1500 WATT OR AS NOTED ON PLANS).
- OCCUPANCY SENSOR SWITCH MOUNTED +48" AFF TO TOP OF BOX OR AS NOTED.
- ASTRONOMIC TIMESWITCH. 3PST, 40 AMP, 120 VOLT UNLESS NOTED OTHERWISE.
- PHOTOCELL MOUNTED ON ROOF. AIM NORTH. "TORK" #2101 OR EQUAL.
- PHOTOCELL MOUNTED ON ROOF. AIM NORTH. "TORK" #2101 OR EQUAL.
- DUPLX CONVENIENCE RECEPTACLE MOUNTED AT +15" AFF TO BOTTOM OF BOX OR AS NOTED.
- DOUBLE DUPLX (FOURPLEX) CONVENIENCE RECEPTACLE MOUNTED AT +15" AFF TO BOTTOM OF BOX OR AS NOTED.
- SINGLE CONVENIENCE RECEPTACLE MOUNTED AT +15" AFF TO BOTTOM OF BOX OR AS NOTED.
- DUPLX CONVENIENCE RECEPTACLE MOUNTED ABOVE COUNTERTOP. SEE ARCHITECT'S INTERIOR ELEVATION FOR EXACT MOUNTING HEIGHT.
- HALF-SWITCHED DUPLX CONVENIENCE RECEPTACLE MOUNTED AT +15" AFF TO BOTTOM OF BOX OR AS NOTED. COMPUTER DUPLX RECEPTACLE AT 15" AFF TO BOTTOM OR AS NOTED. PROVIDE "GRAY" OUTLET BODY WITH STANDARD COVERPLATE. OUTLETS
- ISOLATED GROUNDING OUTLET AT +15" TO BOTTOM OR AS NOTED. (ORANGE) RECEPTACLE WITH ISOLATED GROUND.
- SPECIAL RECEPTACLE AS NOTED ON DRAWINGS (250 VOLT).
- SPECIAL RECEPTACLE AS NOTED ON DRAWINGS (600 VOLT).
- JUNCTION BOX IN ACCESSIBLE LOCATION.
- JUNCTION BOX FLUSH MOUNTED IN WALL UNLESS NOTED OTHERWISE.
- FLOOR MOUNTED DEVICE. TYPICAL OF ALL OUTLET SYMBOLS.
- PLUG-MOLD. LENGTH AND TYPE AS NOTED ON DRAWINGS. MOUNT AT +15" AFF TO BOTTOM OR AS NOTED ON THE DRAWINGS.
- POWER POLE. SEE DRAWINGS FOR SPECIFICATIONS.

WIRE/CONDUIT

- FLEXIBLE CONDUIT AT CONNECTIONS TO VIBRATING EQUIPMENT AND TRANSFORMERS. PROVIDE LIQUID-TIGHT FLEX FOR WET OR EXTERIOR LOCATIONS.
- CONDUIT CONCEALED IN WALLS OR ABOVE CEILING. 2 #12, 1 #12 NEUT., 1 #12 GRD., 1/2" C., UNLESS NOTED OTHERWISE.
- CONDUIT ROUTED UNDER FLOOR OR BELOW GRADE. 2 #12, 1 #12 NEUT., 1 #12 GRD., 3/4" C., UNLESS NOTED OTHERWISE.
- CONDUIT TURNING UP.
- CONDUIT TURNING DOWN.
- PHASE CONDUCTORS
- NEUTRAL CONDUCTOR
- ISOLATED GROUNDING CONDUCTOR (EQUIPMENT BONDING CONDUCTOR INCLUDED, BUT NOT SHOWN).

ABBREVIATIONS

- A.F.F. ABOVE FINISHED FLOOR.
- A.F.G. ABOVE FINISHED GRADE.
- E.F. EXHAUST FAN
- GFO. GROUND FAULT CIRCUIT INTERRUPTER.
- GRD. GROUND
- WP. WEATHERPROOF.
- XFM. TRANSFORMER.
- XP. EXPLOSION PROOF.

NATIONAL ELECTRIC CODE - 2017 EDITION

- ALL WORK OF THIS PROJECT IS SUBJECT TO THE REQUIREMENTS OF THE 2017 EDITION OF THE NATIONAL ELECTRIC CODE (2017 NEC) AND EFFECTIVE LOCAL AMENDMENTS.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BE FULLY AWARE OF THE PRESENT REQUIREMENTS OF THE 2017 NEC INCLUDING ALL CHANGES OCCURRING IN BOTH THE 2014 NEC AND THE 2017 NEC.
- IT IS INTENDED ALL CODE REFERENCES THROUGHOUT THESE PLANS REFER TO THE 2017 NEC.

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JOB NO. 197090

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SHEET ISSUE / REV:

Table with columns: NO., DESCRIPTION, DATE. Row 1: PRE-APP MTG, 10.10.18. Row 2: MINOR SITE PLAN, 01.09.19. Row 3: CITY SUBMITTAL, 03.06.19.

Owner JONATHAN PITT Proj. Nam WANDERIST OFFICE & RETAIL Date 03/06/19 Scale AS SHOWN

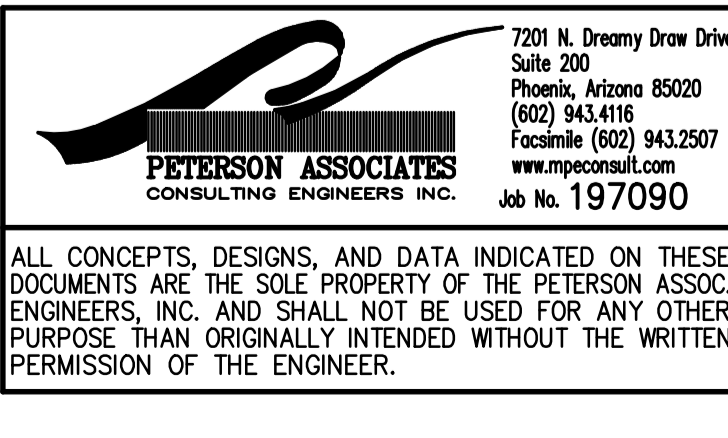
SECTION 26 0020 ELECTRICAL SHEET SPECIFICATIONS PART 1 GENERAL 1.01 SCOPE OF WORK A. Intent of the Contract Documents is to include all items necessary for the proper execution and completion of the Work by the Contractor.

B. Submit manufacturers' warranty and ensure that forms have been completed in Owner's name and registered with manufacturer. 1.11 MAINTENANCE MATERIALS A. Provide one fuse puller. 1.12 EXTRA MATERIALS A. Provide three spare fuses of each size and type fuse installed.

4. Electrical equipment room (red). 4. Letter Size: a. Use 1/8 inch letters for identifying individual equipment, loads, or circuit numbers. b. Use 1/4 inch letters for identifying grouped equipment and loads. c. Use 3/8 inch letters for major heading on warning type nameplates. B. Wire Markers 1. Description: Tape wire markers. 2. Locations: Each conductor at panelboard terminations, pull boxes, and each load connection.

A. Install work in stages to accommodate Owner's occupancy requirements. During the construction period coordinate electrical schedule and operations with other trades, Owner, and/or Engineer. 3.02 CONDUIT A. Support conduit using coated steel or malleable iron straps, lay-in adjustable hangers, clevis hangers, and split hangers. B. Fasten conduit supports to building structure and surfaces. C. Do not support conduit with building wire, twine or perforated pipe straps.

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KIVA #18-1372 SDEP #1800276 PAPP #1806619 PRLC QS Q16-36

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GENERAL SITE PLAN NOTES:

1. THE SIZE, LOCATION AND DEPTH OF UNDERGROUND UTILITIES SHOWN ON THIS PLAN AND ASSOCIATED DETAILS ARE BASED UPON INFORMATION PROVIDED BY THE UTILITY COMPANY AT THE TIME OF DESIGN. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UNDERGROUND UTILITIES IN THE WORK AREA BEFORE DIGGING AND SHALL TAKE NECESSARY MEASURES TO PROTECT HIMSELF, HIS PERSONNEL, AND THE PUBLIC FROM HARM DUE TO CONTACT WITH UNDERGROUND UTILITIES WHETHER OR NOT SHOWN ON THESE PLANS. CONTACT AN UNDERGROUND UTILITIES LOCATION SERVICE AT LEAST 72 HOURS PRIOR TO DIGGING TO SPOT UTILITIES. NOTIFY THE ARCHITECT, ENGINEER, AND OWNER OF ALL INCORRECTLY CHARTED SITE UTILITIES ENCOUNTERED DURING THE COURSE OF THE WORK.
2. ALL UNDERGROUND CONDUITS SHALL BE MINIMUM 3/4"; HOMERUNS SHALL BE MINIMUM 1". ALL UNDERGROUND CONDUITS SHALL BE SCHEDULE 40 PVC-D8, UNLESS OTHERWISE NOTED OR APPROVED BY THE ENGINEER. ALL UNDERGROUND WIRING SHALL BE MINIMUM #10, UNLESS OTHERWISE NOTED.
3. REFER TO PANEL SCHEDULES, LIGHTING FIXTURE SCHEDULE, SITE PHOTOMETRIC DRAWING, AND LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION REGARDING SITE LIGHTING.
4. COORDINATE LOCATIONS OF ALL SITE LUMINAIRES AND POLES WITH CIVIL AND LANDSCAPE DRAWINGS PRIOR TO ROUGH IN.
5. REFER TO ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION REGARDING UTILITY SERVICE REQUIREMENTS.
6. REFER TO THE UTILITY SITE-SPECIFIC SHOP DRAWINGS FOR TRENCH ROUTING, CONDUIT SIZES, AND QUANTITIES FOR INCOMING PHONE, DATA, AND CABLE TV SERVICES.
7. ELECTRICAL AND TELECOMMUNICATIONS SERVICE ROUTING SHOWN ON THE ELECTRICAL SITE PLAN ARE BASED UPON INFORMATION AVAILABLE AT THE TIME OF DESIGN.
8. SITE PLAN INDICATES GENERAL LOCATIONS OF UTILITY-OWNED, SWITCHGEAR, AND PRIMARY CABLE ROUTING BASED UPON INFORMATION AVAILABLE AT THE TIME OF DESIGN. PRIOR TO ROUGH IN, VERIFY THE ACTUAL ROUTING OF UTILITY FEEDERS, PLACEMENT OF UTILITY FACILITIES AND EQUIPMENT WITH THE APPROVED SHOP DRAWINGS PREPARED BY THE ELECTRIC UTILITY COMPANY. COORDINATE UTILITY REQUIREMENTS WITH THE GENERAL CONTRACTOR PRIOR TO COMMENCEMENT OF WORK.
9. UNLESS OTHERWISE DIRECTED BY THE UTILITY COMPANY, PROVIDE MINIMUM 24" COMPACTED COVER OVER UTILITY CONDUITS.
10. WET UTILITIES SHALL NOT BE RUN IN THE SAME TRENCH AS TELEPHONE, OR CATV UTILITIES. WHERE TELEPHONE, OR CATV CROSS UNDERGROUND WET UTILITY LINES, A MINIMUM 24" VERTICAL SEPARATION SHALL BE MAINTAINED WITH THE WET UTILITY LINES PASSING BELOW. VERIFY SEPARATION DISTANCES WITH LOCAL SERVING UTILITY'S DESIGN AND CONSTRUCTION STANDARDS.
11. TRENCH BOTTOMS SHALL BE SMOOTH, FLAT AND WITHOUT SURFACE IRREGULARITIES. WHEN NECESSARY, PROVIDE SUFFICIENT QUANTITIES OF BEDDING MATERIAL TO PROVIDE THE REQUIRED SURFACE. BEDDING MATERIAL SHALL BE AS SPECIFIED BY THE UTILITY COMPANY.
12. WHEN CHANGING ELEVATIONS IN STRAIGHT CONDUIT RUNS, THE ELEVATION OF THE TRENCH BOTTOM SHALL NOT EXCEED 1'-0" RISE IN 12'-0" HORIZONTAL RUN.
13. PROVIDE ALL TRENCHING AND BACKFILL PER UTILITY STANDARDS AND SPECIFICATIONS.
14. THE ELECTRICAL INSTALLATION SHALL CONFORM TO ALL STATE AND LOCAL SEISMIC REQUIREMENTS.

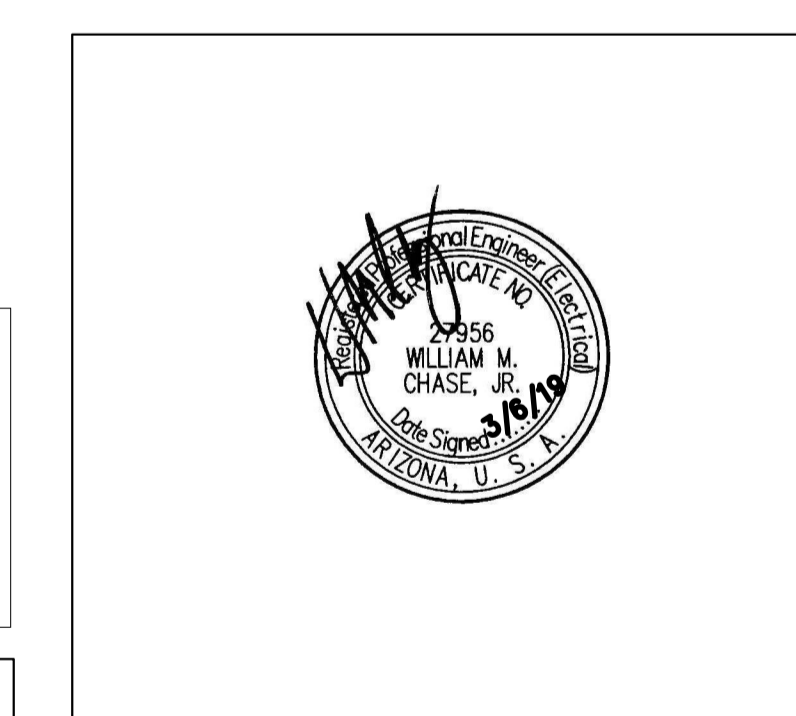
KEY NOTES:

1. PROVIDE 120VAC CONNECTION TO IRRIGATION CONTROLLER.
2. STUB OUT CONDUIT AS DIRECTED BY UTILITY COMPANIES.

SELF CERTIFIED BY:  DATE: 03/06/2019
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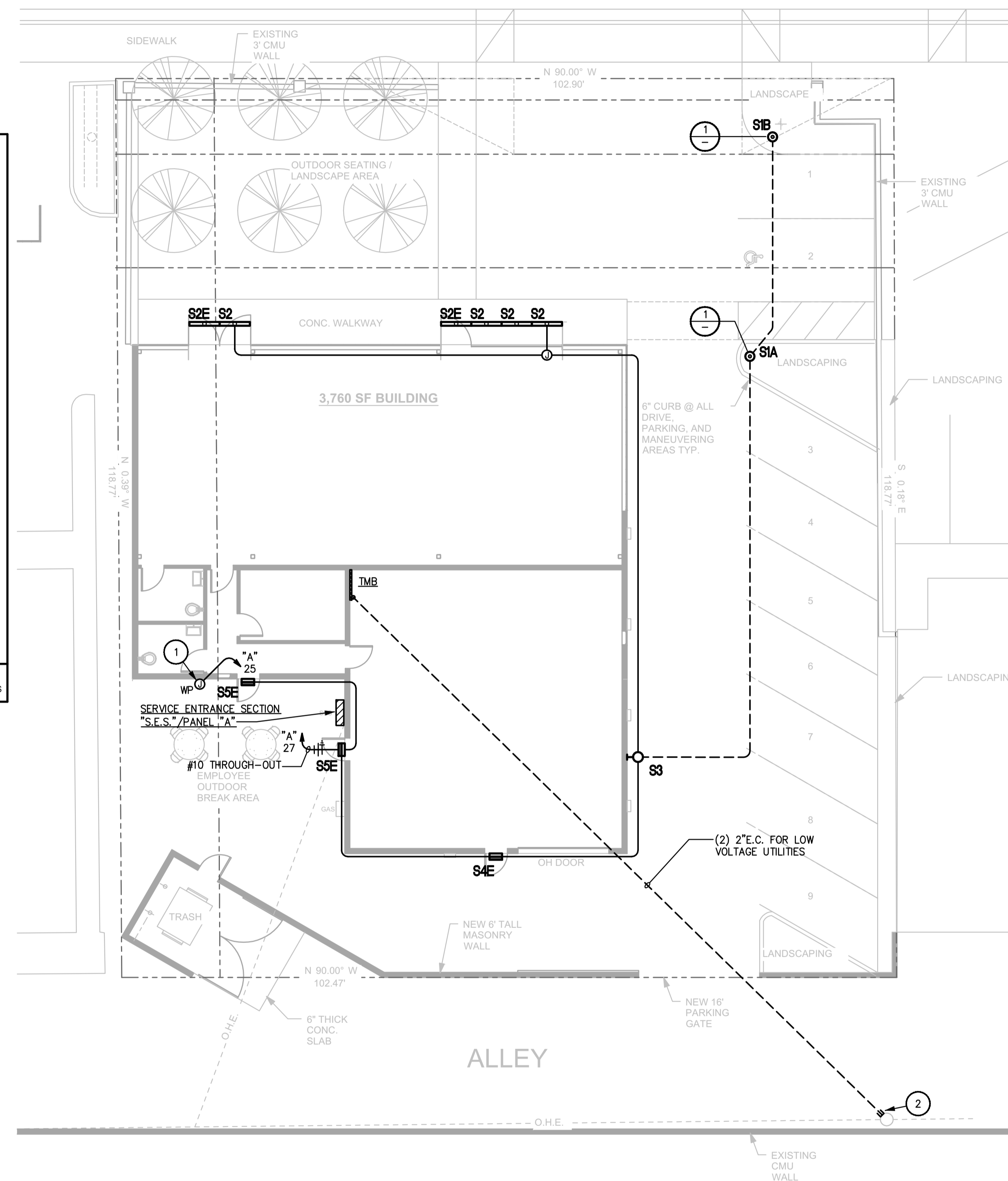
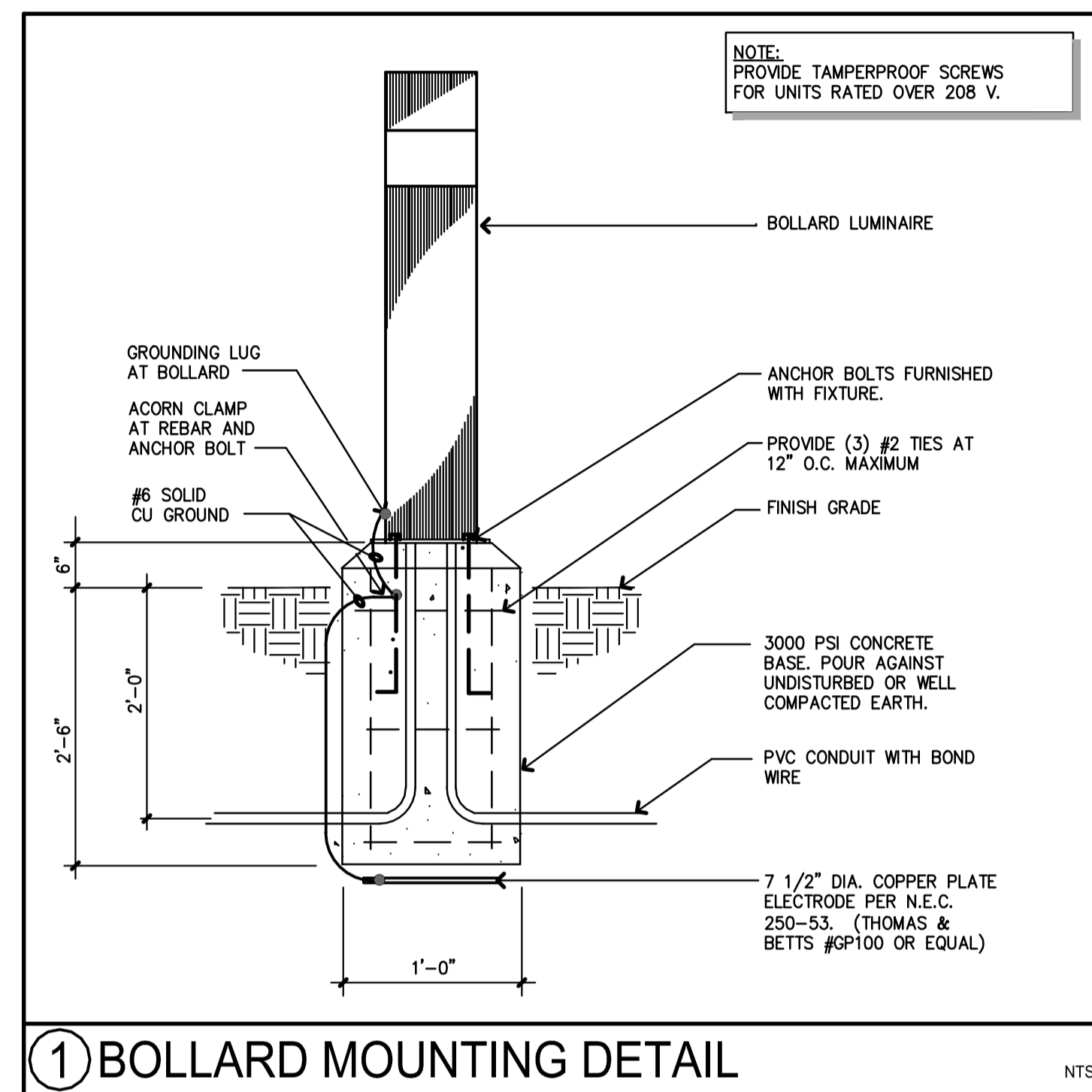
ELECTRICAL SITE PLAN

Date 03/06/19


E100

Scale AS SHOWN

KIVA #18-1372
 SDEV #1800276
 PAPP #1806619
 PRLC
 QS Q16-36



ELECTRICAL SITE PLAN
 1"=10'-0"



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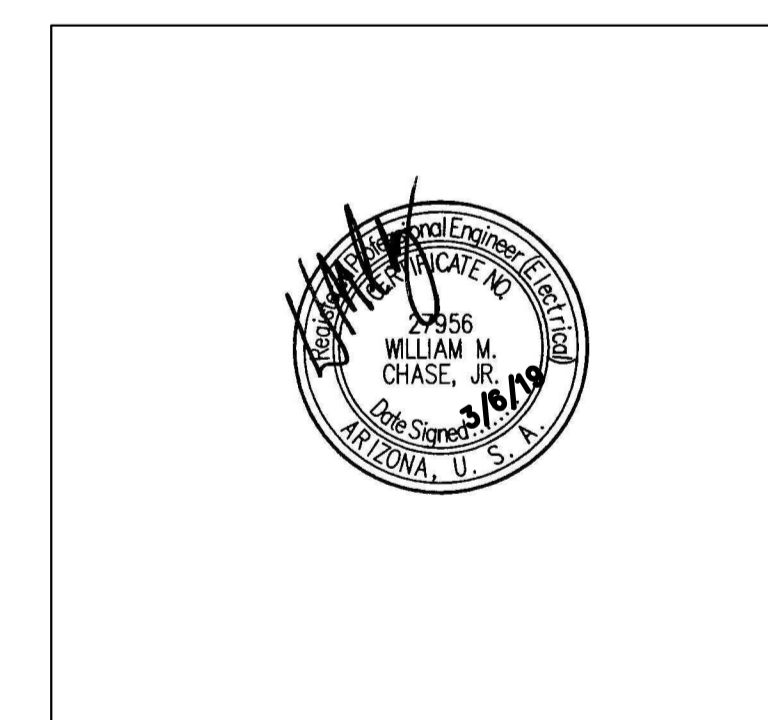
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Owner JONATHAN PITT
Proj. Nam WANDERIST OFFICE & RETAIL

PHOTOMETRIC SITE PLAN

Date 03/06/19

E101

Scale AS SHOWN

KIVA #18-1372
SDEV #1800276
PAPP #1806619
PRLC
QS Q16-36

COMcheck Software Version 4.1.1.0
Interior Lighting Compliance Certificate

Project Information
Energy Code: 2018 IECC
Project Title: WANDERIST OFFICE & RETAIL
Project Type: New Construction
Construction Site:
Owner/Agent:
Designer/Contractor: PACE AZ

Additional Efficiency Package(s)
Reduced interior lighting power. Requirements are implicitly enforced within interior lighting allowance calculations.

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft ²)	C Allowed Watts / ft ²	D Allowed Watts (B X C)
1-Retail/Sales Area	1926	1.10	2119
2-Common Space Types:Corridor/Transition <8 ft wide	132	0.59	78
3-Common Space Types:Office - Enclosed	140	0.84	118
4-Common Space Types:Restrooms	142	0.77	109
5-Common Space Types:Storage >=1000 sq.ft.	1412	0.41	579
Total Allowed Watts =			3002

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
1-Retail/Sales Area				
LED 1: A: Other:	1	31	35	1085
2-Common Space Types:Corridor/Transition <8 ft wide				
LED 2: B: Other:	1	4	21	84
3-Common Space Types:Office - Enclosed				
LED 1: A: Other:	1	30	35	1050
4-Common Space Types:Restrooms				
LED 2: B: Other:	1	4	21	84
5-Common Space Types:Storage >=1000 sq.ft.				
LED 3: C: Other:	1	14	28	392
Total Proposed Watts =				2695

Interior Lighting PASSES: Design 10% better than code

COMcheck Software Version 4.1.1.0
Exterior Lighting Compliance Certificate

Project Information
Energy Code: 2018 IECC
Project Title: WANDERIST OFFICE & RETAIL
Project Type: New Construction
Exterior Lighting Zone: 2 (Neighborhood business district)
Construction Site:
Owner/Agent:
Designer/Contractor: PACE AZ

Allowed Exterior Lighting Power

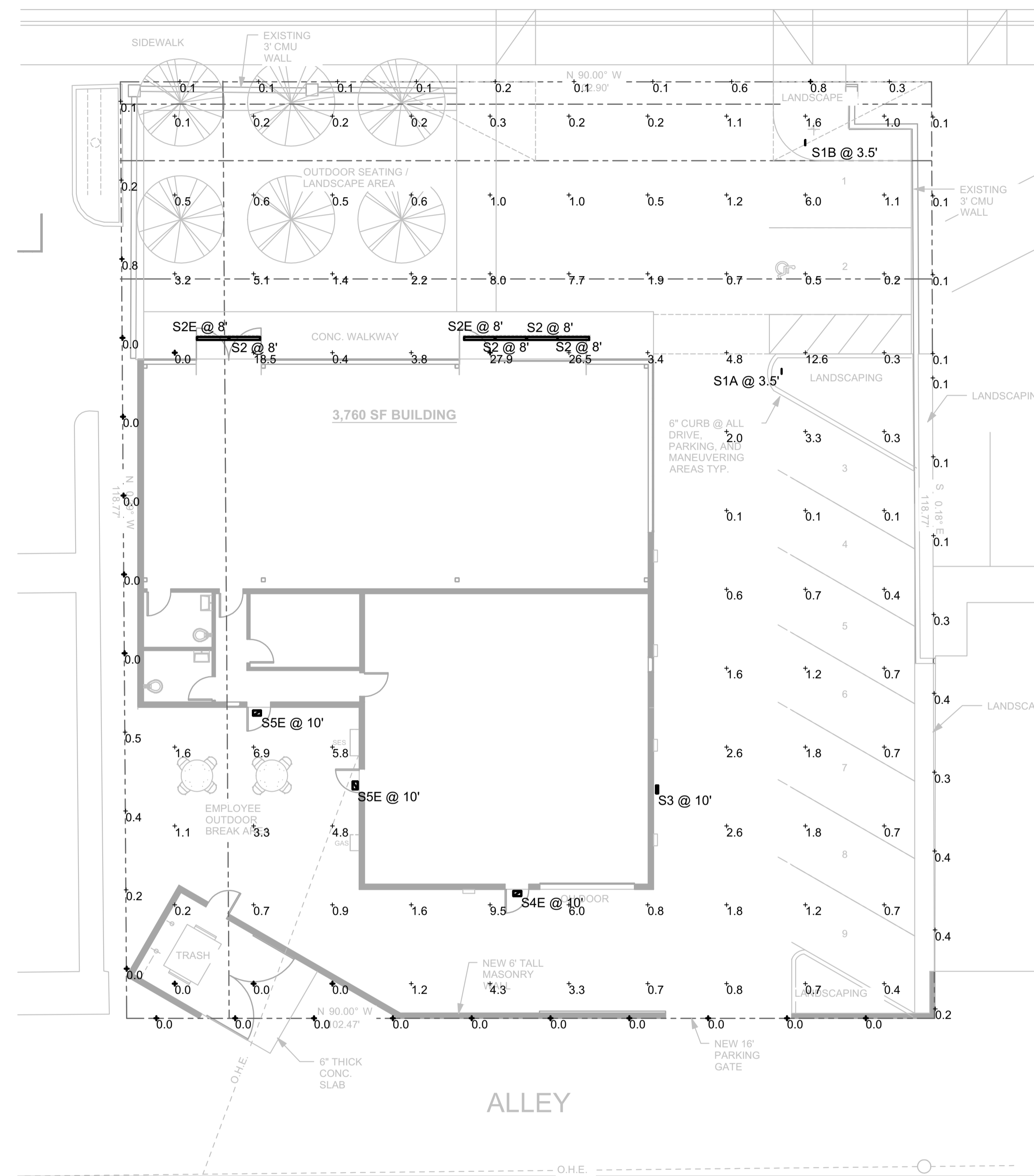
A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Dining area	690 ft ²	0.65	Yes	448
Loading dock	604 ft ²	0.35	Yes	211
Parking area	1630 ft ²	0.04	Yes	65
Driveway	2275 ft ²	0.04	Yes	91
Pedestrian and vehicular entrances and exits	12 ft of door	14	Yes	168
Total Tradable Watts (a) =				984
Total Allowed Watts =				984
Total Allowed Supplemental Watts (b) =				400

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 400 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Dining area (690 ft ²): Tradable Wattage				
LED 5: S5E: Other:	1	2	12	24
Loading dock (604 ft ²): Tradable Wattage				
LED 4: S4E: Other:	1	1	25	25
Parking area (1630 ft ²): Tradable Wattage				
LED 1A: S1A: Other:	1	1	28	28
LED 1B: S1B: Other:	1	1	28	28
Driveway (2275 ft ²): Tradable Wattage				
LED 3: S3: Other:	1	1	39	39
Pedestrian and vehicular entrances and exits (12 ft of door width): Tradable Wattage				
LED 2: S2/S2E: Other:	1	6	13	78
Total Tradable Proposed Watts =				222

Exterior Lighting PASSES: Design 84% better than code



PHOTOMETRIC SITE PLAN
1"=10'-0"

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
PL FC AFG	+	0.2 fc	0.8 fc	0.0 fc	N/A	N/A
SITE FC AFG	+	2.7 fc	27.9 fc	0.0 fc	N/A	N/A

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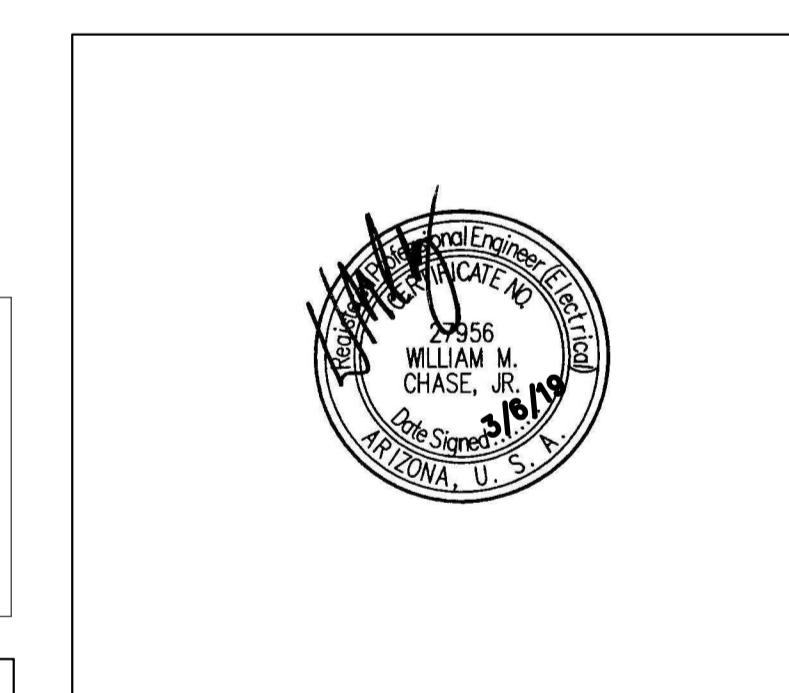
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Proj. Nam WANDERIST OFFICE & RETAIL

EXTERIOR LIGHTING FIXTURE CUT SHEETS

Date 03/06/19

E102

Scale AS SHOWN

FIXTURE TYPE 'S1'

D-Series LED Bollard

Specifications
Diameter: 6" Round (152.4 cm)
Height: 42" (1067 mm)
Weight (max): 27 lbs (12.25 kg)

Ordering Information EXAMPLE: DSXB LED 16C 700 40K SYM MVOLT DDBX0

Series	LEDs	Drive Current	Color Temperature	Distribution	Voltage	Control Option	Other Options	Finish
DSXB LED	Asymmetric 12C 12 LED	350 350mA	30K 3000K	ASY Asymmetric	MVOLT	Shipped installed	Shipped installed	DWSD White
		450 450mA	40K 4000K	SYM Symmetric	120*	FE Photometric cell, button type	SF Single face (120, 277, 347V)	DWSD Natural aluminum
Symmetric 16C 16 LED	350 350mA	500 500mA	500K 5000K	DMC 0-10V dimming (0-10V)	208*	DF Double face (0-10V)	DF Double face (0-10V)	DOBBD Dark bronze
		700 700mA	AMBK Amber phosphor converted	240*	DNG 0-10V dimming (0-10V)	R24 24" overall height (0-10V)	DRDSD Dark red	DOBDD Textured dark bronze
		277*	AMBUV Amber tinted wavelength	347*	ROB 30" overall height (0-10V)	FG Ground-fault protection (optional)	ROB 30" overall height (0-10V)	DOBDD Textured dark bronze
						LAB Weather sensor	LAB Weather sensor	DWSD White
						ELCW Emergency battery backup	ELCW Emergency battery backup	DWSD White
						LAB 4-foot omnidirectional white sensor bulb	LAB 4-foot omnidirectional white sensor bulb	

Accessories
MBA50 Amber bulb to DS1*

NOTES
1. Only available in the 12C, ASY version.
2. Only available in the 16C, SYM version.
3. Only available with ELWCW version.
4. Not available with ELCW.
5. MVOLT drive operates on any line voltage from 120-277V (50/60 Hz). See page 12 for details.
6. Single face (SF) requires 120, 277 or 347 voltages. Double face (DF) requires 208, 240 or 480 voltages. Not available with 347 or 480 voltages.
7. Double face (DF) requires 120, 277 or 347 voltages. Double face (DF) requires 208 or 240 voltages. Double face (DF) requires 208 or 240 voltages.
8. Not available with ELCW.
9. Not available with ELCW.
10. Also available as a separate accessory, see Accessories Information.

FIXTURE TYPE 'S2' AND 'S2E'

LITHONIA LIGHTING CLX LED Linear

FEATURES & SPECIFICATIONS
INTENDED USE — The CLX is a linear lighting solution that is available in multiple lengths, lumen packages and distributions. Designed for versatility, the CLX can address virtually any indoor lighting need. The CLX is also offered in standard and high efficacy configurations and capable of being controlled, manual, manufacturing, wireless, and remote applications. Certain **finish combinations can diminish the integrity of acrylic and/or polycarbonate. Click here for Acrylic/Polycarbonate Compatibility table for suitable ones.**
CONSTRUCTION — Channel and cover are formed from code-grade cold-rolled steel. Housing and lens endcap are injection molded plastic to provide a more architectural look and feel. The endcaps come standard with 1/8" knock out for convenient mounting but can be ordered without. Finish: Paint options include high-gloss, baked white polymer (WB), opalwhite (OP), matte black (MB) and smoke gray (SG). Five-stage zinc phosphate pre-treatment ensures superior paint adhesion and resistance.
OPTICS — Offered with acrylic lens and lens configurations. Provides a choice of optical distributions including, wide, narrow, and aisle.
ELECTRICAL — Offers high-output LEDs integrated on a two-layer circuit board, ensuring easy operation. Optional internal dimmable wiring harness for reduced labor cost in new mounting applications. See PIR... offering information on page 15. Electronic LED driver is built with input and 0-10V dimming standard (see Operational Data on page 12 for actual wattage consumption). This fixture is designed to withstand a maximum line surge of 2.5kV at 5.75kA combination wave for indoor locations, for applications requiring higher level of protection additional surge protection must be provided. 120V-100,000 hours at 25°C.
LEDs provide nominal 80 CRI or 90 CRI at 3000 K, 4000 K, or 5000 K. Lumen output up to 2,500 lumens per foot.
INSTALLATION — Fixture may be ceiling or wall mounted with or without TROLO hanger or eye mounted with CLANGST, pendant or stem mounted with appropriate mounting options.
LISTINGS — CLX certified to US and Canadian safety standards. For use in damp locations between -4°F (-20°C) and 104°F (40°C). Optional High Ambient (HA) ranging to 122°F (50°C) available on certain lumen packages. See ambient temperature chart for additional information.
Design Lights Consortium® (DLC) Premium qualified product and DLC qualified product. Note all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.dlclighting.com/CustomerResource/Forms_and_conditions.aspx.
WARRANTY — 5-year limited warranty. Complete warranty terms located at: www.lithonia.com/CustomerResource/Forms_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.
120V-100,000 hours at 25°C.
LEDs provide nominal 80 CRI or 90 CRI at 3000 K, 4000 K, or 5000 K. Lumen output up to 2,500 lumens per foot.

Stock configurations are offered for shorter lead times:

Stock Part Number	SPC	DLC PFC	DLC Premium
CLX L48 5000LM SF FOL MVOLT G210 40K BRCH WM	201912325244	PN09ZLN	Yes
CLX L48 5000LM SF FOL MVOLT G210 40K BRCH WM	201912325245	PN09ZLN	Yes
CLX L48 5000LM SF FOL MVOLT G210 40K BRCH WM	201912325249	PN09ZLN	Yes
CLX L48 5000LM SF FOL MVOLT G210 40K BRCH WM	201912325250	PN09ZLN	Yes
CLX L48 5000LM SF FOL MVOLT G210 40K BRCH WM	201912325251	PN09ZLN	Yes
CLX L48 5000LM SF FOL MVOLT G210 40K BRCH WM	201912325252	PN09ZLN	Yes
CLX L48 5000LM SF FOL MVOLT G210 40K BRCH WM	201912325253	PN09ZLN	Yes
CLX L48 5000LM SF FOL MVOLT G210 40K BRCH WM	201912325254	PN09ZLN	Yes
CLX L48 5000LM SF FOL MVOLT G210 40K BRCH WM	201912325255	PN09ZLN	Yes
CLX L48 5000LM SF FOL MVOLT G210 40K BRCH WM	201912325256	PN09ZLN	Yes
CLX L48 5000LM SF FOL MVOLT G210 40K BRCH WM	201912325257	PN09ZLN	Yes
CLX L48 5000LM SF FOL MVOLT G210 40K BRCH WM	201912325258	PN09ZLN	Yes
CLX L48 5000LM SF FOL MVOLT G210 40K BRCH WM	201912325259	PN09ZLN	Yes
CLX L48 5000LM SF FOL MVOLT G210 40K BRCH WM	201912325260	PN09ZLN	Yes
CLX L48 5000LM SF FOL MVOLT G210 40K BRCH WM	201912325261	PN09ZLN	Yes
CLX L48 5000LM SF FOL MVOLT G210 40K BRCH WM	201912325262	PN09ZLN	Yes
CLX L48 5000LM SF FOL MVOLT G210 40K BRCH WM	201912325263	PN09ZLN	Yes
CLX L48 5000LM SF FOL MVOLT G210 40K BRCH WM	201912325264	PN09ZLN	Yes

Capable Luminaire
This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.
• All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency.
• This luminaire is part of an A+ Certified solution for 'eLight' or 'ePoint' Wireless control networks marked by a shaded background.
To learn more about A+, visit www.acuitybrands.com/aplus.
*See ordering tree for details.

FIXTURE TYPE 'S3'

D-Series Size 1 LED Wall Luminaire

Specifications
Luminaire Height: 8-1/2" (21.6 cm)
Width: 17" (43.18 cm)
Depth: 10-3/8" (26.97 cm)
Weight: 20 lbs (9.1 kg)

Optional Back Box (PBBW)
Height: 8.49" (21.56 cm)
Width: 17.0" (43.18 cm)
Depth: 1.70" (4.32 cm)

Optional Back Box (BBW)
Height: 4" (10.16 cm)
Width: 5-1/2" (14.0 cm)
Depth: 1-1/2" (3.81 cm)

Ordering Information EXAMPLE: DSXW1 LED 20C 1000 40K T3M MVOLT DDBTXD

Series	LEDs	Drive Current	Color Temperature	Distribution	Voltage	Mounting	Shipped included	Control Option
DSXW1 LED	10C 10 LEDs (line engine)	350 350mA	30K 3000K	T25 Spot 8 Short	MVOLT	Shipped installed	Shipped installed	FE Photometric cell, button type
		500 500mA	40K 4000K	T2M Type II Medium	120*	DMC 0-10V dimming (0-10V)	DMC 0-10V dimming (0-10V)	DF Double face (0-10V)
	20C 20 LEDs (line engine)	700 700mA	50K 5000K	T35 Type III Short	208*	DF Double face (0-10V)	DF Double face (0-10V)	DRDSD Dark red
		1000 1000mA (A)	AMBK Amber phosphor converted	240*	DNG 0-10V dimming (0-10V)	R24 24" overall height (0-10V)	DRDSD Dark red	DOBDD Textured dark bronze
		277*	AMBUV Amber tinted wavelength	347*	ROB 30" overall height (0-10V)	FG Ground-fault protection (optional)	ROB 30" overall height (0-10V)	DOBDD Textured dark bronze
						LAB Weather sensor	LAB Weather sensor	DWSD White
						ELCW Emergency battery backup (includes optional component, not CE compliant)	ELCW Emergency battery backup (includes optional component, not CE compliant)	DWSD White
						LAB 4-foot omnidirectional white sensor bulb	LAB 4-foot omnidirectional white sensor bulb	

Accessories
MBA50 Amber bulb to DS1*

NOTES
1. 20C 1000 is not available with PIR, PIRHCW or PIRHSCW.
2. MVOLT drive operates on any line voltage from 120-277V (50/60 Hz).
3. Single face (SF) requires 120, 277 or 347 voltages. Double face (DF) requires 208, 240 or 480 voltages.
4. Only available with 20C, 2000 or 2000A. Not available with PIR or PIRHCW.
5. Back box ships installed in fixture. Cannot be field installed. Cannot be ordered as an accessory.
6. Motion ambient sensor is 12-30" mounting height. Ambient sensor enabled at 12".
7. Reference Motion Sensor table on page 3.
8. Color-rendering (CRI) index. Not available with outdoor applications. Not available with hanging. Not available with 347 or 480 voltages option. Emergency components located in back housing. Emergency mode ES (see product page at www.lithonia.com).
9. Not available with ELCW.
10. Also available as a separate accessory, see Accessories Information.

FIXTURE TYPE 'S4E' AND 'S5E'

WST LED Architectural Wall Sconce

Ordering Information EXAMPLE: WST LED P1 40K VF MVOLT DDBTXD

Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting	Shipped included
WST LED	P1 1,500Lumen package	27K 2700K	VF Visual center forward beam	MVOLT	277	Shipped separately
	P2 3,000Lumen package	30K 3000K	VW Visual center wide beam	120*	347*	Shipped separately
	P3 6,000Lumen package	40K 4000K	VW Visual center wide beam	208*	480*	Shipped separately
		50K 5000K		240*		Shipped separately

Accessories
MBA50 Amber bulb to DS1*

NOTES
1. MVOLT drive operates on any line voltage from 120-277V (50/60 Hz).
2. Single face (SF) requires 120, 277 or 347 voltages. Double face (DF) requires 208, 240 or 480V.
3. Also available as a separate accessory, see Accessories Information.
4. Top consult entry standard.
5. Head assembly 120, 208, 240 or 277 voltage.
6. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. Starting kit included.
7. Not available with VG or WG. See PIR Table.
8. Reference Motion Sensor table.
9. Also available with Emergency options, PE or PER option.
10. Not available with 347/480V.
11. Battery pack rated for 0° to 40°C.
12. Comes with PIRHCW.
13. Reference power & specs.
14. Not available with BBW.
15. Must order with fixture, not an accessory.

FIXTURE TYPE 'S4E' AND 'S5E'

WST LED Architectural Wall Sconce

Ordering Information EXAMPLE: WST LED P1 40K VF MVOLT DDBTXD

Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting	Shipped included
WST LED	P1 1,500Lumen package	27K 2700K	VF Visual center forward beam	MVOLT	277	Shipped separately
	P2 3,000Lumen package	30K 3000K	VW Visual center wide beam	120*	347*	Shipped separately
	P3 6,000Lumen package	40K 4000K	VW Visual center wide beam	208*	480*	Shipped separately
		50K 5000K		240*		Shipped separately

Accessories
MBA50 Amber bulb to DS1*

NOTES
1. MVOLT drive operates on any line voltage from 120-277V (50/60 Hz).
2. Single face (SF) requires 120, 277 or 347 voltages. Double face (DF) requires 208, 240 or 480V.
3. Also available as a separate accessory, see Accessories Information.
4. Top consult entry standard.
5. Head assembly 120, 208, 240 or 277 voltage.
6. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. Starting kit included.
7. Not available with VG or WG. See PIR Table.
8. Reference Motion Sensor table.
9. Also available with Emergency options, PE or PER option.
10. Not available with 347/480V.
11. Battery pack rated for 0° to 40°C.
12. Comes with PIRHCW.
13. Reference power & specs.
14. Not available with BBW.
15. Must order with fixture, not an accessory.

FIXTURE TYPE 'S4E' AND 'S5E'

WST LED Architectural Wall Sconce

Ordering Information EXAMPLE: WST LED P1 40K VF MVOLT DDBTXD

Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting	Shipped included
WST LED	P1 1,500Lumen package	27K 2700K	VF Visual center forward beam	MVOLT	277	Shipped separately
	P2 3,000Lumen package	30K 3000K	VW Visual center wide beam	120*	347*	Shipped separately
	P3 6,000Lumen package	40K 4000K	VW Visual center wide beam	208*	480*	Shipped separately
		50K 5000K		240*		Shipped separately

Accessories
MBA50 Amber bulb to DS1*

NOTES
1. MVOLT drive operates on any line voltage from 120-277V (50/60 Hz).
2. Single face (SF) requires 120, 277 or 347 voltages. Double face (DF) requires 208, 240 or 480V.
3. Also available as a separate accessory, see Accessories Information.
4. Top consult entry standard.
5. Head assembly 120, 208, 240 or 277 voltage.
6. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. Starting kit included.
7. Not available with VG or WG. See PIR Table.
8. Reference Motion Sensor table.
9. Also available with Emergency options, PE or PER option.
10. Not available with 347/480V.
11. Battery pack rated for 0° to 40°C.
12. Comes with PIRHCW.
13. Reference power & specs.
14. Not available with BBW.
15. Must order with fixture, not an accessory.

Emergency Battery Operation

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency backup configurations include an independent secondary driver with an integral relay to immediately detect AC power loss, meeting interoperations of NFPA 70NEC 2008 - 700.16. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time supply power is lost, per International Building Code Section 1006 and 1010.10.10.2. Luminaire Code Section 7.1, provided luminaires are mounted at an appropriate height and burn time in an open space with no major obstructions. The examples below show illuminance of 1 fc average and 0.1 fc minimum of the P1 power package and VF distribution product in emergency mode.

10" x 10" Gridlines
8" and 12" Mounting Height

FIXTURE TYPE 'S4E' AND 'S5E'

WST LED Architectural Wall Sconce

Ordering Information EXAMPLE: WST LED P1 40K VF MVOLT DDBTXD

Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting	Shipped included
WST LED	P1 1,500Lumen package	27K 2700K	VF Visual center forward beam	MVOLT	277	Shipped separately
	P2 3,000Lumen package	30K 3000K	VW Visual center wide beam	120*	347*	Shipped separately
	P3 6,000Lumen package	40K 4000K	VW Visual center wide beam	208*	480*	Shipped separately
		50K 5000K		240*		Shipped separately

Accessories
MBA50 Amber bulb to DS1*

NOTES
1. MVOLT drive operates on any line voltage from 120-277V (50/60 Hz).
2. Single face (SF) requires 120, 277 or 347 voltages. Double face (DF) requires 208, 240 or 480V.
3. Also available as a separate accessory, see Accessories Information.
4. Top consult entry standard.
5. Head assembly 120, 208, 240 or 277 voltage.
6. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. Starting kit included.
7. Not available with VG or WG. See PIR Table.
8. Reference Motion Sensor table.
9. Also available with Emergency options, PE or PER option.
10. Not available with 347/480V.
11. Battery pack rated for 0° to 40°C.
12. Comes with PIRHCW.
13. Reference power & specs.
14. Not available with BBW.
15. Must order with fixture, not an accessory.

FIXTURE TYPE 'S4E' AND 'S5E'

WST LED Architectural Wall Sconce

Ordering Information EXAMPLE: WST LED P1 40K VF MVOLT DDBTXD

Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting	Shipped included
WST LED	P1 1,500Lumen package	27K 2700K	VF Visual center forward beam	MVOLT	277	Shipped separately
	P2 3,000Lumen package	30K 3000K	VW Visual center wide beam	120*	347*	Shipped separately
	P3 6,000Lumen package	40K 4000K	VW Visual center wide beam	208*	480*	Shipped separately
		50K 5000K		240*		Shipped separately

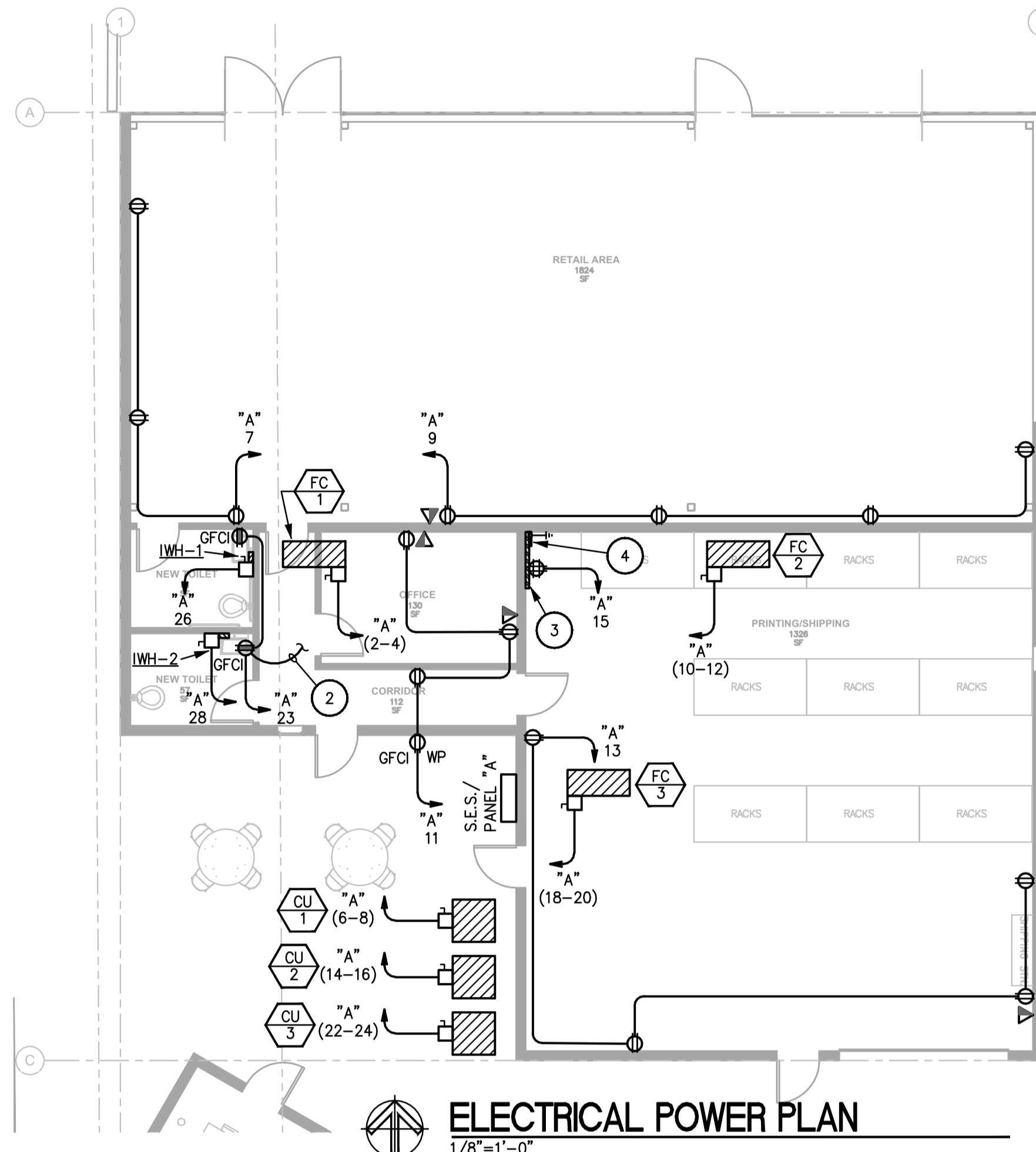
Accessories
MBA50 Amber bulb to DS1*

NOTES
1. MVOLT drive operates on any line voltage from 120-277V (50/60 Hz).
2. Single face (SF) requires 120, 277 or 347 voltages. Double face (DF) requires 208, 240 or 480V.
3. Also available as a separate accessory, see Accessories Information.
4. Top consult entry standard.
5. Head assembly 120, 208, 240 or 277 voltage.
6. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. Starting kit included.
7. Not available with VG or WG. See PIR Table.
8. Reference Motion Sensor table.
9. Also available with Emergency options, PE or PER option.
10. Not available with 347/480V.
11. Battery pack rated for 0° to 40°C.
12. Comes with PIRHCW.
13. Reference power & specs.
14. Not available with BBW.
15. Must order with fixture, not an accessory.

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Facsimile (602) 943.2507
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PETERSON ASSOCIATES
CONSULTING ENGINEERS, INC.

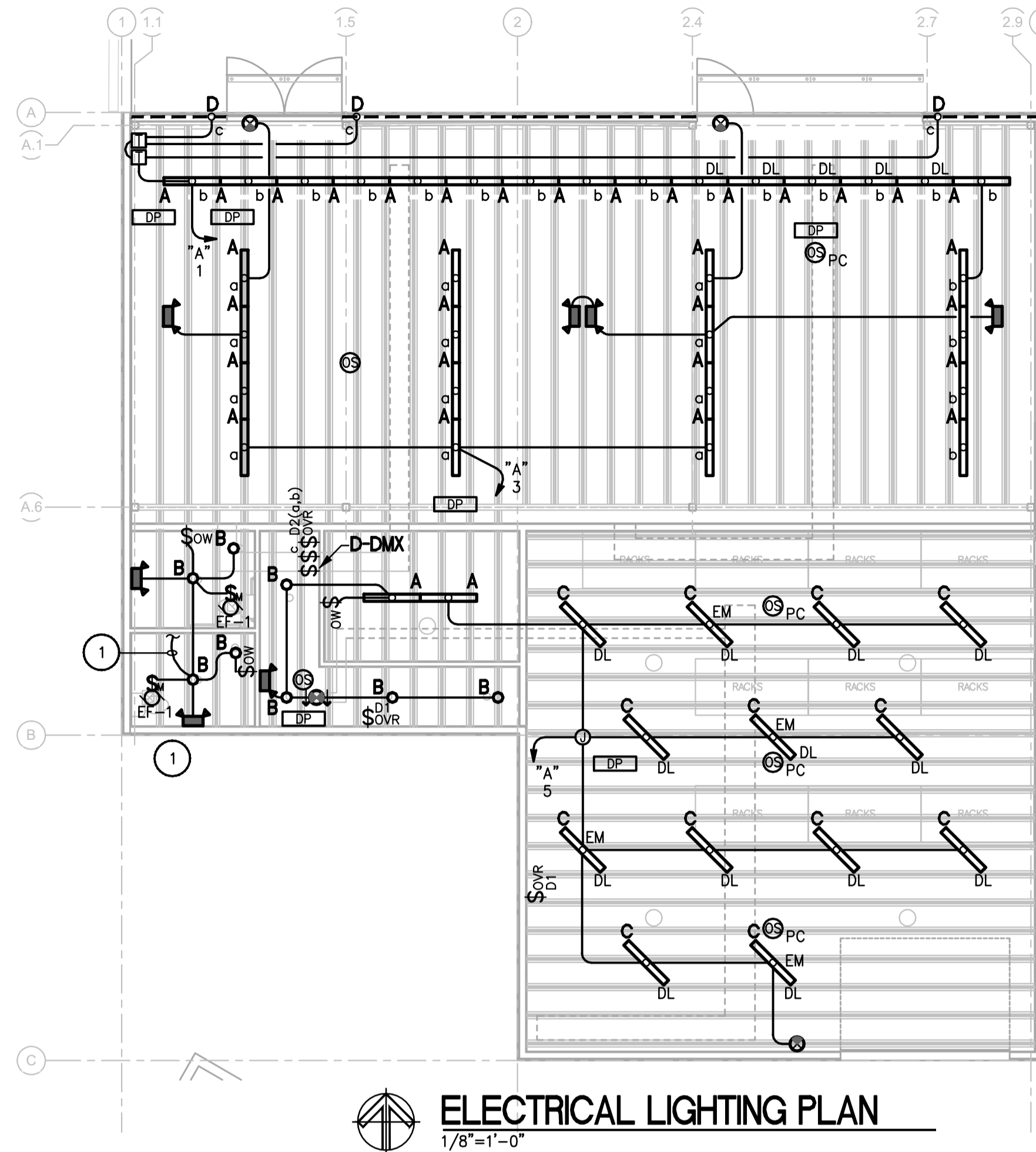
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ELECTRICAL POWER PLAN
1/8"=1'-0"

GENERAL POWER NOTES:

- REFER TO ONE-LINE DIAGRAM AND EQUIPMENT SCHEDULES FOR ADDITIONAL INFORMATION.
- REFER TO ELECTRICAL PANEL SCHEDULES FOR BRANCH CIRCUIT NUMBERS AND OVERCURRENT DEVICES.
- WHERE POSSIBLE, MOUNT EQUIPMENT DISCONNECT SWITCHES DIRECTLY ON MECHANICAL UNIT SERVED. COORDINATE MOUNTING LOCATION AND SWITCH INSTALLATION WITH MECHANICAL CONTRACTOR. DISCONNECT SWITCH SHALL BE ACCESSIBLE AND MOUNTED SO THE COVER DOOR MAY BE OPENED AT LEAST 90 DEGREES.
- THE LOCATIONS AND MOUNTING HEIGHT OF DEVICES SHOWN ON THESE PLANS ARE DIAGRAMMATIC TO COMMUNICATE QUANTITIES, CIRCUITING, AND GENERAL LOCATIONS. DO NOT SCALE LOCATIONS FROM THESE PLANS. REFER TO ARCHITECTURAL DIMENSIONED PLANS AND ELEVATIONS. VERIFY THE EXACT LOCATIONS OF ALL RECEPTACLES, TELEPHONE AND DATA OUTLETS, AND OTHER SPECIAL SYSTEMS OUTLETS WITH ARCHITECT PRIOR TO ROUGH-IN.
- PRIOR TO ROUGH-IN, FIELD VERIFY FEEDER ROUTING TO ASSURE THERE ARE NO STRUCTURAL OBSTRUCTIONS OR COORDINATION CONFLICTS WITH EQUIPMENT PROVIDED BY OTHER TRADES. IDENTIFIED CONFLICTS AND/OR OBSTRUCTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT, IN WRITING, PRIOR TO COMMENCEMENT OF ROUGH-IN.
- VERIFY THE PLACEMENT, WIRING REQUIREMENTS, AND EXACT LOCATION OF POINT OF CONNECTION, FOR ALL HVAC AND PLUMBING EQUIPMENT WITH THE HVAC AND PLUMBING CONTRACTORS PRIOR TO ROUGH-IN. SEE DETAIL FOR METHOD TO BE USED WHEN CONNECTING DIRECT-WIRED EQUIPMENT. COORDINATE LOCATION/INSTALLATION OF DISCONNECT(S) AND WIRING WITH RESPECTIVE SUB-CONTRACTORS.
- IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO ARRANGE FOR AND PROVIDE MINIMUM WORKING CLEARANCE AROUND ALL ELECTRICAL EQUIPMENT, DEVICES, AND DISCONNECT SWITCHES BASED UPON FIELD CONDITIONS AT THE TIME OF INSTALLATION AND IN ACCORDANCE WITH NEC ART. 110.26. IF THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT PRIOR TO ROUGH-IN.
- ALL CONDUITS SHALL BE PROVIDED WITH A SEPARATE GREEN EQUIPMENT GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH NEC TABLE 250.122. IN ADDITION, PROVIDE A SEPARATE FULL-SIZED ISOLATED GROUND CONDUCTOR IN CIRCUITS IDENTIFIED AS "IG".
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM LOAD INFORMATION PROVIDED IN ELECTRICAL EQUIPMENT SCHEDULES. VERIFY THE LOAD AND CONNECTION REQUIREMENTS OF ALL EQUIPMENT FURNISHED BY OTHERS.
- ALL ENCLOSED MOTOR CONTROLLERS SHALL BE FURNISHED WITH FULL-SIZED OVERLOADS, 120V CONTROL-VOLTAGE TRANSFORMERS WITH PRIMARY AND SECONDARY FUSING, ROTARY H-O-A SELECTOR SWITCH, COVER-MOUNTED ON/OFF PILOT LIGHTS, AND TWO SETS EACH OF N.O. AND N.C. AUXILIARY DRY CONTACTS.
- ALL 120V SINGLE PHASE BRANCH CIRCUITS SHALL HAVE INDIVIDUAL NEUTRAL CONDUCTORS. COMMON NEUTRALS ARE NOT ACCEPTABLE. (EXCEPTION: MULTIWIRE BRANCH CIRCUITS.)
- PROVIDE ID TAGS ON NEUTRAL CONDUCTORS IN PANELBOARD TO IDENTIFY ASSOCIATED BRANCH CIRCUIT.
- PROVIDE SUPPORTS, HANGERS, MISCELLANEOUS SWITCHES, CONTROLS, AND DEVICES FURNISHED WITH OWNER FURNISHED EQUIPMENT AS REQUIRED FOR A COMPLETE INSTALLATION.
- ALL RECEPTACLES INSTALLED OUTDOORS SHALL BE LISTED AS "WEATHER RESISTANT". RECEPTACLES LOCATED OUTDOORS IN WET LOCATIONS SHALL HAVE AN ENCLOSURE THAT IS LISTED AS WEATHER-PROOF WHETHER OR NOT THE ATTACHMENT PLUG CAP IS INSERTED. (NEC ART.406.9(A)(B)).
- THE ELECTRICAL INSTALLATION SHALL CONFORM TO ALL LOCAL AND STATE SEISMIC REQUIREMENTS.



ELECTRICAL LIGHTING PLAN
1/8"=1'-0"

GENERAL LIGHTING NOTES:

- REFER TO LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION ABOUT FIXTURE TYPES, QUALITY, LAMPS, BALLASTS, ACCESSORIES, AND INSTALLATION REQUIREMENTS.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT PLACEMENT AND QUANTITIES OF CEILING MOUNTED LIGHT FIXTURES. COORDINATE PLACEMENT AND INSTALLATION OF CEILING MOUNTED ELECTRICAL ITEMS WITH OTHER TRADES TO AVOID CONFLICTS.
- REFER TO LIGHTING CONTACTOR AND/OR CONTROL DETAILS FOR ADDITIONAL INFORMATION.
- INSTALL SURFACE MOUNTED EMERGENCY LIGHTING FIXTURES AND EXIT SIGNS ON EITHER WALL OR CEILING SURFACE AS DIRECTED BY THE ARCHITECT. EXIT SIGNS AND EMERGENCY LIGHTING SHALL BE CIRCUITED FROM LOCAL LIGHTING CIRCUITS. THEY SHALL NOT BE SWITCHED.
- "EM" INDICATES AN EMERGENCY LIGHT FIXTURE SERVING AS AN EMERGENCY EGRESS LIGHT REFER TO LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION.
- EXIT SIGNS, EMERGENCY LIGHTS, AND EMERGENCY BALLASTS SHALL BE CIRCUITED FROM THE LOCAL UNSWITCHED LIGHTING BRANCH CIRCUIT.
- "NL" INDICATES AN UNSWITCHED LIGHTING FIXTURE SERVING AS A NIGHTLIGHT.
- AN AVERAGE OF AT LEAST 1.0 FOOT-CANDLE SHALL BE PROVIDED FOR EMERGENCY EGRESS LIGHTING. HEADS OF EMERGENCY LIGHTING UNITS SHALL BE AIMED BY THE CONTRACTOR PER MANUFACTURER'S INSTRUCTIONS AND AS DIRECTED BY THE LOCAL INSPECTOR.
- EXIT LIGHT POSITIONS SHALL BE COORDINATED WITH PENDANT LIGHTS AND OTHER ARCHITECTURAL FEATURES TO MINIMIZE OBSTRUCTIONS TO CLEAR VISIBILITY.
- UNITIZED EMERGENCY LIGHT FIXTURES, EXIT SIGNS, AND LED FIXTURES CONTAINING INTEGRAL BATTERIES AND CHARGING EQUIPMENT SHALL BE SERVED IN ACCORDANCE WITH NEC ART. 700.12(F). THE BRANCH CIRCUIT SHALL BE CLEARLY IDENTIFIED IN THE PANEL AS SERVING EMERGENCY LIGHTING.
- FINAL QUANTITIES AND LOCATIONS OF EMERGENCY LIGHTS AND EXIT SIGNS ARE TO BE DETERMINED IN THE FIELD WITH CITY AND STATE INSPECTORS AND THE ARCHITECT. THE CONTRACTOR SHALL PROVIDE A UNIT PRICE IN HIS BID FOR ADDITIONAL EXIT SIGNS & EMERGENCY LIGHTS THAT MAY BE REQUIRED BY THE LOCAL JURISDICTION.
- ALL CONDUITS SHALL BE FURNISHED WITH A GREEN EQUIPMENT GROUND SIZED IN ACCORDANCE WITH NEC TABLE 250.122.
- PROVIDE A SEPARATE NEUTRAL FOR ALL 120V LIGHTING BRANCH CIRCUITS. COMMON (SHARED) NEUTRALS ARE NOT ACCEPTABLE.
- PROVIDE A NEUTRAL CONDUCTOR AT ALL LIGHT SWITCHES PER NEC ART. 404.2.
- ALL LIGHTING CIRCUITS ARE TO BE CONTROLLED AT THE PANELBOARD WITH CIRCUIT BREAKERS RATED FOR SWITCHING DUTY UNLESS LOCAL SWITCHING IS EITHER SHOWN OR OTHERWISE NOTED ON THE DRAWINGS.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE LOCATIONS AND INSTALLATION OF ALL CEILING RECESSED LIGHTING FIXTURES WITH ALL OTHER TRADES PRIOR TO ROUGH-IN.
- THE ELECTRICAL INSTALLATION SHALL CONFORM TO ALL STATE AND LOCAL SEISMIC REQUIREMENTS.
- ALL BIDDING CONTRACTORS SHALL INCLUDE LIGHT FIXTURE PACKAGE AND CONTROLS AS SCHEDULED ON THE PLANS AS PART OF BASE BID.
- CONTRACTORS MAY SUBMIT ALTERNATE LIGHT FIXTURE AND LIGHTING CONTROLS BY OTHER MANUFACTURERS THAN THOSE SHOWN IN THE LIGHT FIXTURE SCHEDULE AS PART OF BID, PROVIDED THEY ARE EQUAL IN ALL MANNERS INCLUDING BUT NOT LIMITED TO APPEARANCE, PERFORMANCE AND WARRANTY. THE BURDEN OF PROOF OF EQUALITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND ALTERNATE MANUFACTURER. EVALUATION AND ACCEPTANCE OF ALTERNATES SHALL BE BY THE ARCHITECT, OWNER/TENANT AND/OR BUILDING MANAGEMENT. ALTERNATE MANUFACTURERS SHALL FURNISH COMPLETE POINT-BY-POINT PHOTOMETRY OF INTERIOR AND EXTERIOR LIGHTING IF SO REQUESTED BY THE OWNER, ARCHITECT, ENGINEER OR THE LOCAL AUTHORITY HAVING JURISDICTION AT NO ADDITIONAL CHARGE.
- SHOP DRAWINGS AND/OR SUBMITTALS FOR ANY ALTERNATE LIGHT FIXTURE OR LIGHTING CONTROLS SHALL INCLUDE WRITTEN CONFIRMATION THAT SUCH ALTERNATE WAS REVIEWED AND APPROVED BY ARCHITECT, OWNER/TENANT AND/OR BUILDING MANAGEMENT.

IECC LIGHTING COMPLIANCE

ALL LIGHTING INSTALLATIONS SHALL CONFORM TO THE LOCALLY ADOPTED EDITION OF THE INTERNATIONAL ENERGY CONSERVATION CODE (IECC). SEE COMCHECK FORMS FOR SPECIFIC REQUIREMENTS OF THIS PROJECT.

KEY NOTES:

- DOWN TO RECEPTACLE BELOW.
- UP TO LIGHT FIXTURE OVERHEAD.
- NEW 4"x8"x3/4" FIRE RETARDANT PLYWOOD FOR LOW VOLTAGE SYSTEMS BACK BOARD.
- NEW 12"x6" PRE-DRILLED COPPER GROUND BUS FOR LOW VOLTAGE AND COMMUNICATION SYSTEM BONDING. FURNISH #6 BARE COPPER GROUND TO INTERSYSTEM BONDING BUS BAR AT S.E.S.

LIGHTING CONTROL SYMBOLS

- DL FIXTURE WITH DAY LIGHT CONTROL
- \$OD WALL MOUNTED MOTION SWITCH WITH 0-10VDC DIMMING. MOUNT TOP OF BOX AT +48" AFF.
- \$OW WALL MOUNTED MOTION SWITCH. MOUNT TOP OF BOX AT +48" AFF.
- DS CEILING MOUNTED DUAL TECH MOTION SENSOR
- PC CEILING MOUNTED DUAL TECH MOTION SENSOR AND DIMMING PHOTOCELL.
- \$OVR LOW VOLTAGE OVERRIDE SWITCH WITH DIMMING. MOUNT TOP OF BOX AT +48" AFF. D#-NUMBER OF LOADS CONTROLLED.
- DPP DIMMING PACK 0-10V DC MOUNTED ABOVE ACCESSIBLE CEILING.

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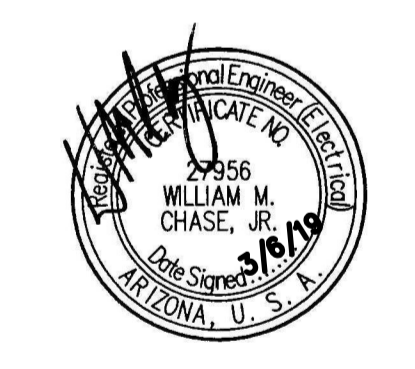
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SHEET ISSUE/REV:

NO.	DESCRIPTION	DATE
-	PRE-APP MTG	10.10.18
-	MINOR SITE PLAN	01.09.19
-	CITY SUBMITTAL	03.06.19

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Owner JONATHAN PITT
Proj. Nam WANDERIST OFFICE & RETAIL

ELECTRICAL PLANS

Date 03/06/19

E200

Scale AS SHOWN

KIVA #18-1372
SDEV #1800276
PAPP #1800619
PRLC
QS Q16-36

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ACUITY CONTROLS LEGEND
 Created by John Abberton

SWX
 WSX PDT SA XX
 Wall Switch Sensor, Passive Dual Technology, Vacancy (default) or Auto-On

DP
 NPP16 D EFP
 Power/Relay Pack, Occupancy Controlled Dimming

DS
 NCM PDT 10 ADCX
 Low Voltage Ceiling Mount Sensor, Passive Dual Technology, Large Motion / Extended Range 360 Lens, Photocontrol w/ Auto Dimming; No Wires

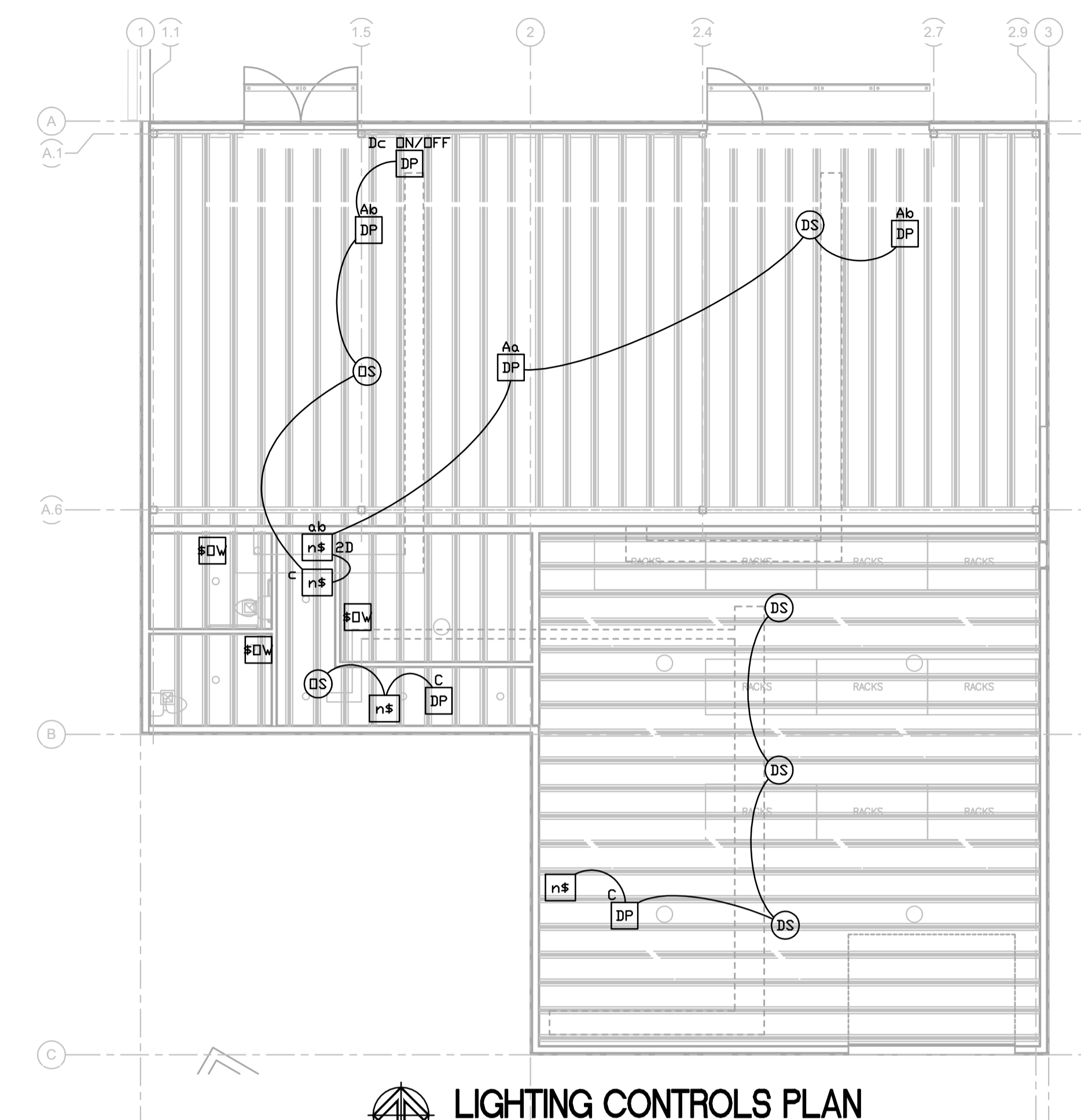
nS
 NPDDM XX
 Low Voltage Push-Button Wallpod

nS 2D
 NPDDM 2P DX XX
 Low Voltage Push-Button Wallpod, 2-Pole, Occupancy controlled dimming without dimming output

DS
 NCM PDT 10
 Low Voltage Ceiling Mount Sensor, Passive Dual Technology, Large Motion / Extended Range 360 Lens

WIRE LEGEND - Design 1

CAT5e
 CAT5e
 Pre-terminated CAT5e cable

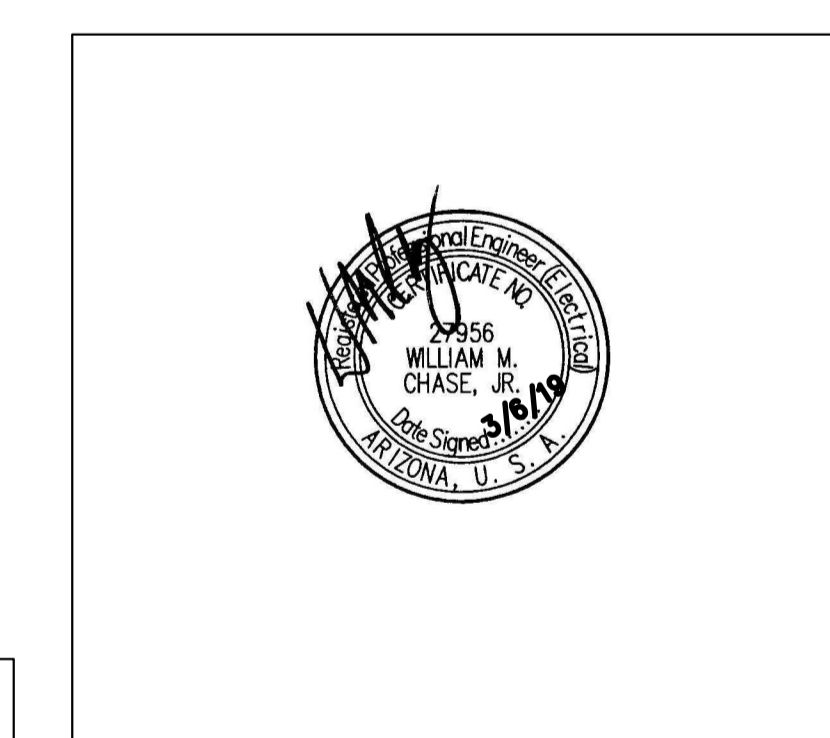


LIGHTING CONTROLS PLAN
 1/8"=1'-0"

- GENERAL LIGHTING CONTROL NOTES:**
- THE WIRING DIAGRAMS SHOWN ARE GENERIC FOR THE PURPOSE OF SHOWING GENERAL INTENT. THE CONTRACTOR SHALL OBTAIN COMPLETE SHOP DRAWINGS, INCLUDING COMPLETE AND PROJECT SPECIFIC WIRING DIAGRAMS FOR EACH PROJECT FROM THE CONTROLS SUPPLIER/INSTALLER. THE SHOP DRAWINGS MUST BE REVIEWED BY THE ENGINEER PRIOR TO THE START OF ANY WORK RELATED TO THE LIGHTING CONTROL SYSTEM.
 - THE CONTRACTOR SHALL PROVIDE COMMISSIONING OF THE SYSTEM BY A FACTORY CERTIFIED TECHNICIAN. THE FACTORY CERTIFIED TECHNICIAN SHALL PROVIDE A REPORT CERTIFYING THAT THE SYSTEM IS OPERATING PROPERLY UPON SUBSTANTIAL COMPLETION OF THE PROJECT.
 - THE CONTRACTOR'S BID AND INSTALLATION SHALL BE BASED ON A COMPLETE AND FUNCTIONAL INSTALLATION.
 - OCCUPANCY SENSOR LOCATIONS AND QUANTITIES ARE BASED ON INFORMATION AVAILABLE AT THE TIME OF THE DESIGN AND ARE APPROXIMATE LOCATIONS. THE CONTRACTOR AND LIGHTING CONTROLS SUPPLIER/INSTALLER SHALL DETERMINE EXACT QUANTITIES AND LOCATIONS OF SENSORS BASED ON THE FINAL FIELD CONDITIONS DURING THE DEVELOPMENT OF THE PROJECT SHOP DRAWINGS.
 - ULTRASONIC CEILING MOUNTED OCCUPANCY SENSORS SHALL BE LOCATED A MINIMUM OF 6'-0" FROM A SUPPLY AIR DIFFUSER OR REGISTER.
 - THE CONTRACTOR AND LIGHTING CONTROLS SUPPLIER/INSTALLER ARE RESPONSIBLE FOR PROVIDING ADEQUATE ROOM CONTROLLERS AND WIRING TO PROPERLY OPERATE THE SYSTEM PER THE SEQUENCE OF OPERATIONS AND THE ZONING PLAN.
 - LOCATIONS AND QUANTITIES OF PHOTOCELLS SHALL BE CONFIRMED IN THE FIELD BY THE CONTRACTOR WITH THE LIGHTING CONTROLS SUPPLIER/INSTALLER PRIOR TO SUBMITTAL OF SHOP DRAWINGS BEING SUBMITTED FOR REVIEW.
 - A PRE-INSTALL MEETING SHALL BE HELD ON THE JOB SITE WITH THE OWNER/TENANT'S PROJECT MANAGER, GENERAL CONTRACTOR, ELECTRICAL CONTRACTOR AND LIGHTING CONTROLS SUPPLIER/INSTALLER PRIOR TO ROUGH-IN OF ANY LIGHTING CONTROL COMPONENTS.

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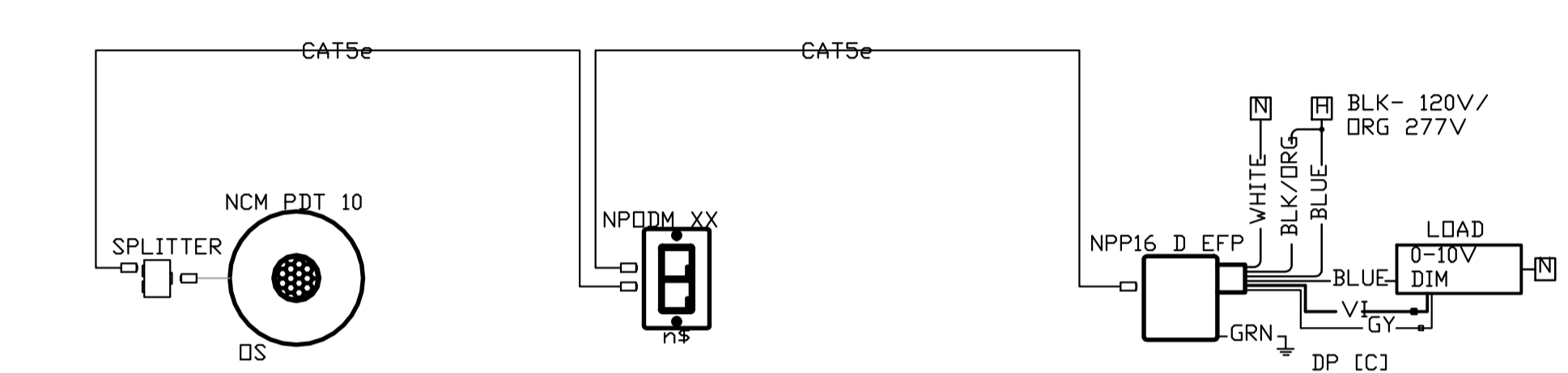
LIGHTING CONTROLS

Date 03/06/19

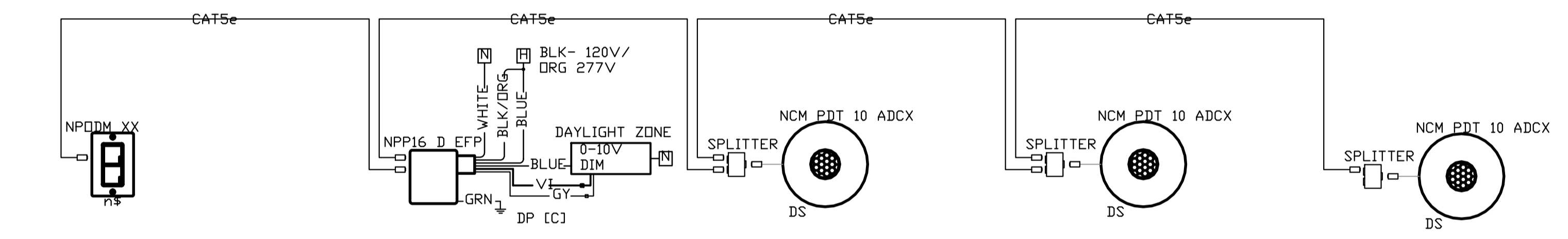
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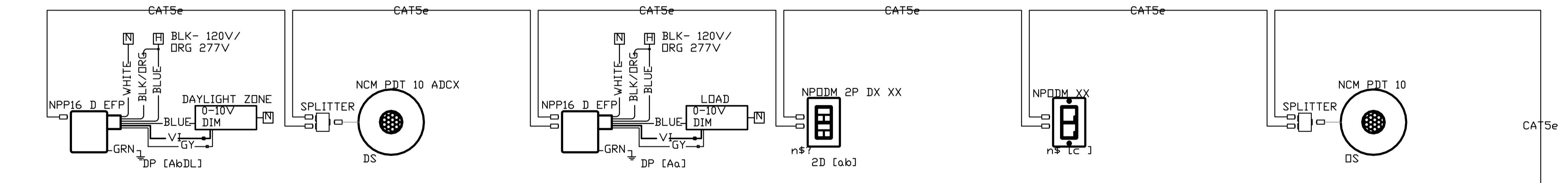
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 SDEV #1800276
 PAPP #1806619
 PRLC
 QS Q16-36



1 CORRIDOR
 NOT TO SCALE



2 PRINTING/SHIPPING
 NOT TO SCALE



3 RETAIL AREA
 NOT TO SCALE

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City of Phoenix Plan #: 1901783-LPSC Date: 03/12/19

City of Phoenix Plan #: 1901783-LPSC Date: 03/12/19

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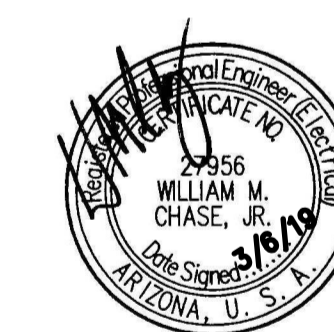
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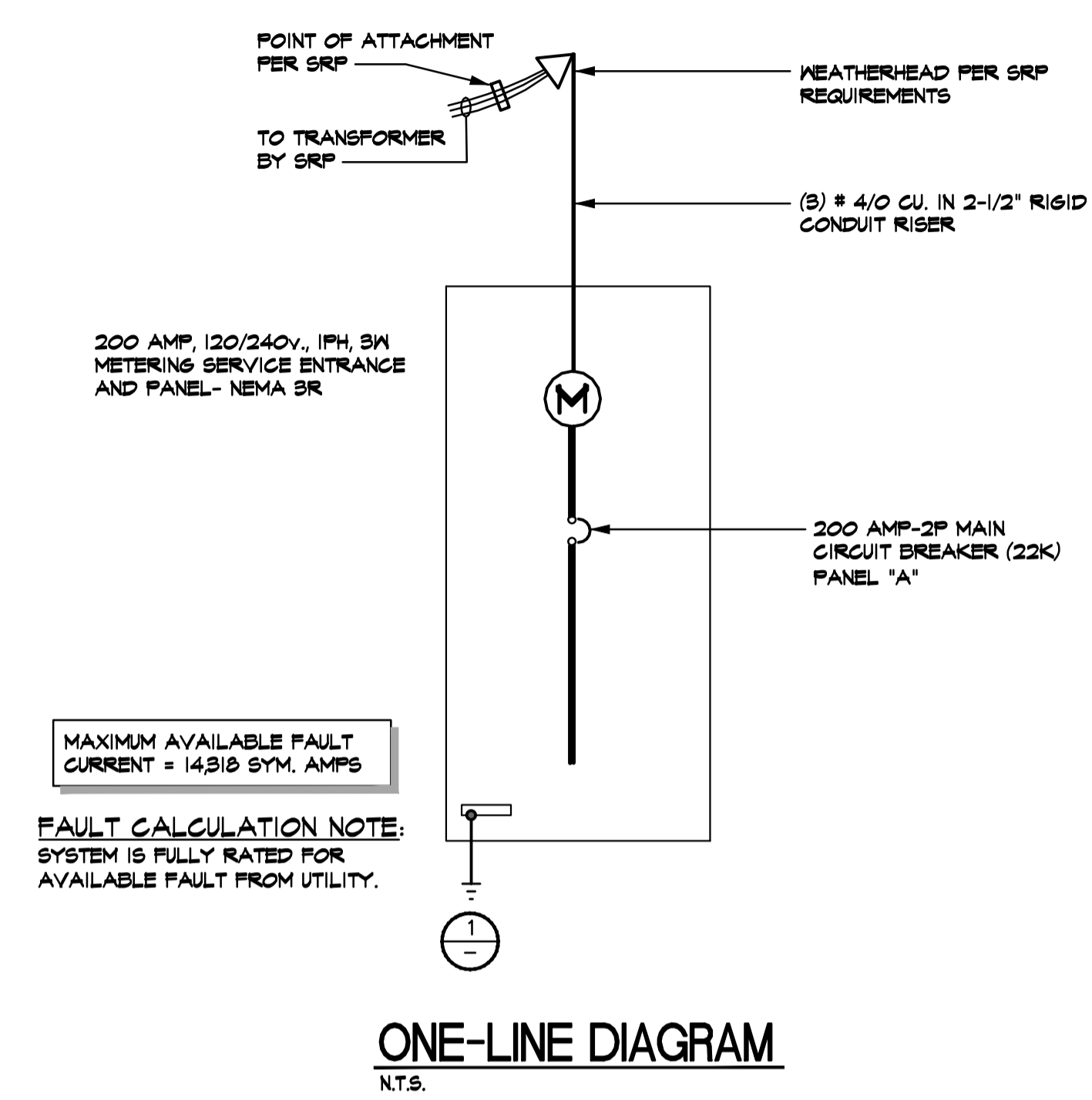
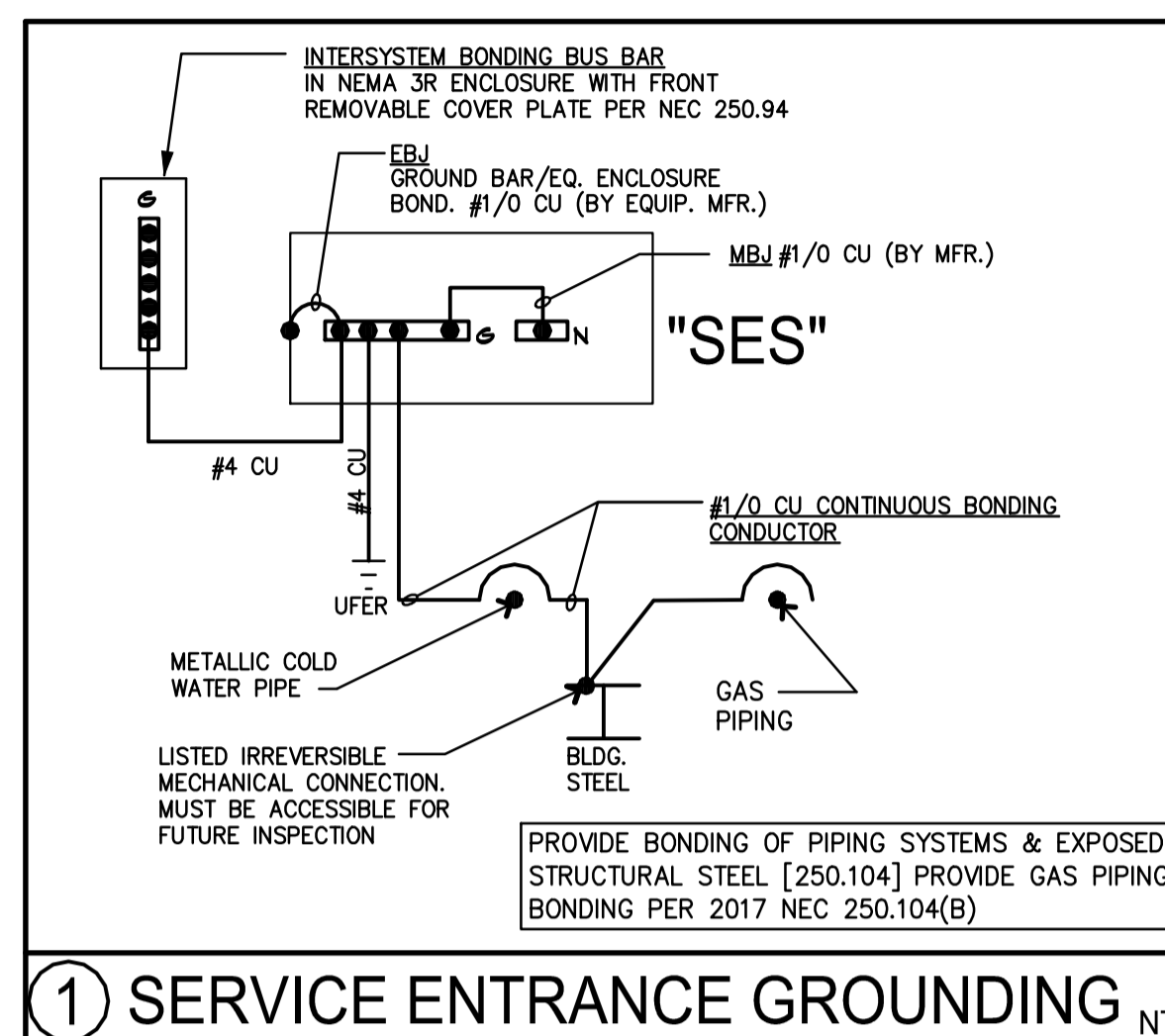
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- GENERAL ONE-LINE NOTES:**
(600V AND BELOW)
- VERIFY UTILITY COMPANY METERING REQUIREMENTS WITH THE UTILITY COMPANY REPRESENTATIVE BEFORE ORDERING SES AND RELATED SERVICE EQUIPMENT.
 - SUBMIT SERVICE EQUIPMENT SHOP DRAWINGS TO UTILITY COMPANY FOR ITS REVIEW AND APPROVAL PRIOR TO SUBMITTING SHOP DRAWINGS TO THE ENGINEER FOR REVIEW. SHOP DRAWING SUBMITTAL TO THE ENGINEER SHALL INCLUDE UTILITY COMPANY METERING AND SERVICE EQUIPMENT REQUIREMENTS ALONG WITH WRITTEN EVIDENCE OF THE UTILITY COMPANY'S APPROVAL OF SERVICE EQUIPMENT SHOP DRAWINGS.
 - SELECTION AND DESIGN OF SES, SWITCHGEAR, LOW-VOLTAGE DISTRIBUTION SWITCHBOARDS, AND PANEL BOARDS INDICATED HEREIN ARE BASED UPON SIEMENS. EQUIPMENT BY OTHER MANUFACTURERS LISTED IN THE SPECIFICATIONS IS ACCEPTABLE PROVIDED THE EQUIPMENT CONFORMS TO THE PROJECT-SPECIFIC SPECIFICATIONS AND ALL INDICATED SPARE DEVICES, BUSSED SPACE, AND PROVISIONS FOR FUTURE SECTIONS ARE PROVIDED. ALTERNATE OR SUBSTITUTED EQUIPMENT SHALL FIT IN THE AVAILABLE AREA SHOWN ON THE FLOOR PLANS WITH ALL NEC REQUIRED WORKING SPACE AND SAFETY CLEARANCES MAINTAINED. THE CONTRACTOR SHALL FURNISH A 1/4" SCALE SHOP DRAWING WITH HIS SUBMITTAL PROVING SUBSTITUTED EQUIPMENT FITS AS DESCRIBED HEREIN.
 - ALL PANEL BOARDS SHALL BE FULLY RATED UNLESS SPECIFICALLY INDICATED ON EITHER THE ONE-LINE DIAGRAM OR ON THE PANEL SCHEDULES THEY MAY BE 'SERIES RATED'. SERIES RATING AS REFERRED TO HEREIN MEANS THE OVERCURRENT DEVICES SHALL BE PART OF A LISTED SERIES-RATED COMBINATION WITH THE RESPECTIVE FEEDER BREAKER IN THE DISTRIBUTION PANEL IMMEDIATELY UPSTREAM FROM THE PANEL. NO DESIGN CHANGES MAY BE MADE WITHOUT THE PRIOR APPROVAL OF THE DESIGN ELECTRICAL ENGINEER AND THE LOCAL ELECTRICAL INSPECTOR.
 - FOR EACH SERIES-RATED SWITCHBOARD OR PANELBOARD, A PERMANENT NAMEPLATE SHALL BE PROVIDED TO INDICATE THE SERIES RATING. NAMEPLATE SHALL BE ENGRAVED, 3-LAYERED LAMINATED PLASTIC WITH BLACK LETTERING ON A YELLOW BACKGROUND AND SHALL BE ATTACHED ADJACENT TO THE MANUFACTURER'S SERIES RATING LABEL. NAMEPLATE SHALL READ "CAUTION. THIS PANEL IS PART OF A SERIES COMBINATION ____KA/____KA RATED SYSTEM. AVAILABLE FAULT CURRENT AT THIS LOCATION IS ____AMPS." (REFER TO SHORT-CIRCUIT STUDY RESULTS FOR APPROPRIATE VALUE OF AVAILABLE FAULT CURRENT.) LETTERING FOR THE WORD "CAUTION" SHALL BE 3/8" HIGH AND THE REMAINING LETTERING SHALL BE 3/16".
 - SES SHALL BE SERVICE ENTRANCE RATED.
 - THE ELECTRICAL INSTALLATION SHALL CONFORM TO ALL STATE AND LOCAL SEISMIC REQUIREMENTS.



IG Bus: NO	PANEL SCHEDULE				"A"	Status: NEW
	Cabinet: NEMA 3R	Feed Thru: NO	Service Rated: YES	Bracing: 22,000 A.I.C.		
Type: BOLT-ON	Mounting: SURFACE	Voltage: 120/240V-1Ph-3W				
Use and/or Area Served	C/B	Cir. No.	Phase A	Phase B	Cir. No.	C/B
A LTG: FRONT RETAIL	20/1	1	1219		2	15/2 FC-1
A LTG/EM LTG: RETAIL	20/1	3	828	700	4	
A LTG/EM LTG: BOH	20/1	5	683	828	6	40/2 CU-1
RECEPT: RETAIL WEST	20/1	7	3420	540	8	
RECEPT: RETAIL EAST	20/1	9	720	3420	10	15/2 FC-2
RECEPT: OFFICE/CORR/PATIO	20/1	11		720	12	
RECEPT: SHIPPING	20/1	13	720	828	14	40/2 CU-2
RECEPT: TMB	20/1	15	3420	360	16	
SPARE	20/1	17	0	3420	18	15/2 FC-3
SPARE	20/1	19	828	0	20	
SPARE	20/1	21	0	828	22	50/2 CU-3
A.D LTG/EM LTG/RECEPT: TOILETS	20/1	23	4104	748	24	
IRRIGATION CONTROLLER	20/1	25	180	4104	26	40/1 IWH-1
A.D EXTERIOR LTG	20/1	27	3600	296	28	40/1 IWH-2
SPACE	-	29		3600	30	SPACE
SPACE	-	31			32	SPACE
SPACE	-	33			34	SPACE
SPACE	-	35			36	SPACE
SPACE	-	37			38	SPACE
SPACE	-	39			40	SPACE
Total Load per Phase			20549	20392	20550 VA / 120 :	171.3 Amps

- PANEL SCHEDULE SYMBOLS**
- A CONTINUOUS DUTY/LARGEST LOAD @125%
 - B PROVIDE BREAKER WITH HANDLE "LOCK-ON" DEVICE
 - C PROVIDE BREAKER WITH HANDLE "LOCK-OFF" DEVICE
 - D CONTROLLED BY PHOTOCELL
 - E CONTROLLED BY TIMECLOCK
 - F EXISTING BREAKER WITH LOAD REMOVED
 - G EXISTING BREAKER WITH NEW LOAD
 - H NEW BREAKER WITH NEW LOAD
 - J SHUNT-TRIP CIRCUIT BREAKER

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ONE-LINE DIAGRAM AND PANEL SCHEDULES

Date 03/06/19

E300

Scale AS SHOWN