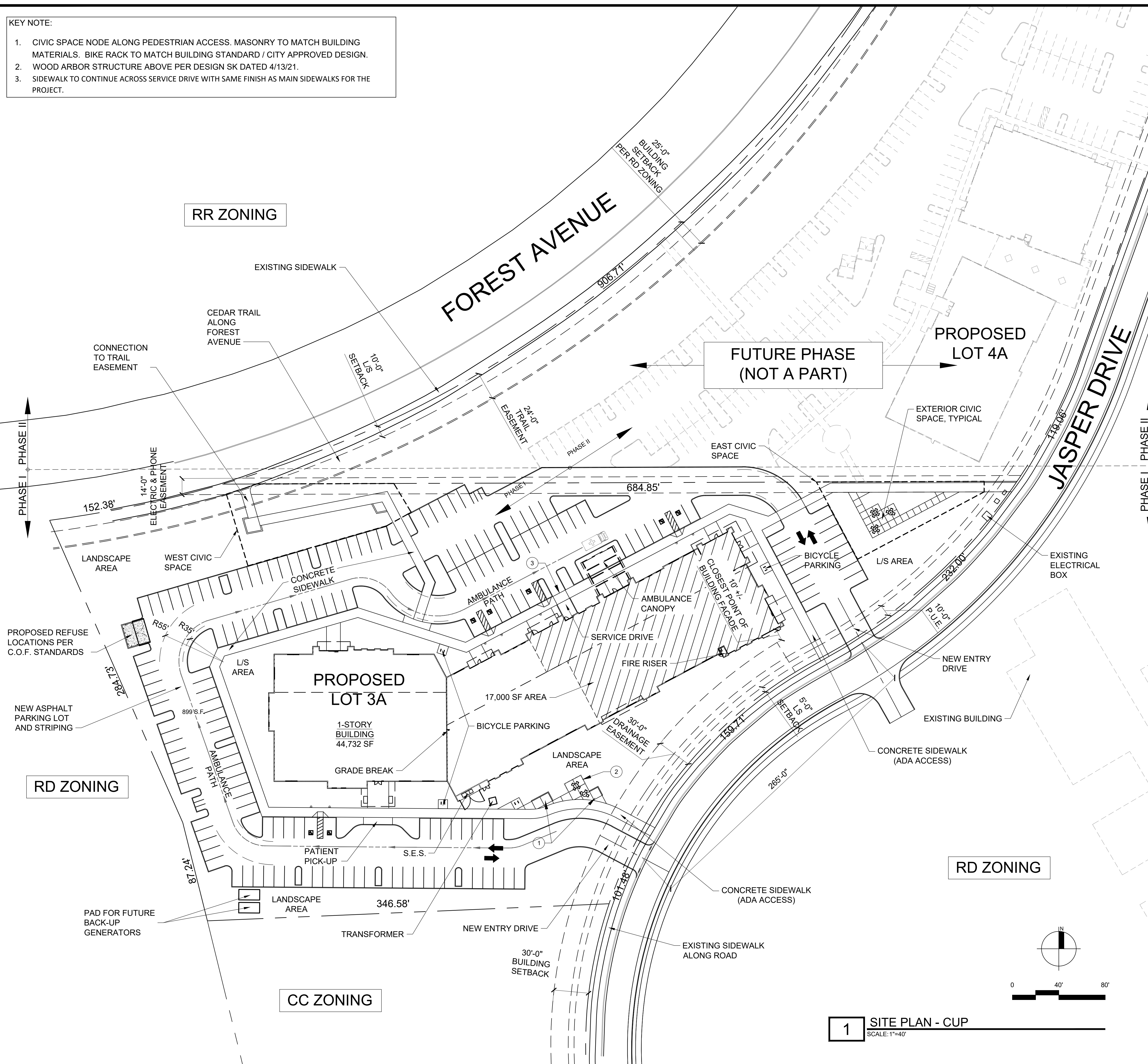


- KEY NOTE:
1. CIVIC SPACE NODE ALONG PEDESTRIAN ACCESS. MASONRY TO MATCH BUILDING MATERIALS. BIKE RACK TO MATCH BUILDING STANDARD / CITY APPROVED DESIGN.
 2. WOOD ARBOR STRUCTURE ABOVE PER DESIGN SK DATED 4/13/21.
 3. SIDEWALK TO CONTINUE ACROSS SERVICE DRIVE WITH SAME FINISH AS MAIN SIDEWALKS FOR THE PROJECT.



PROJECT INFORMATION

PROJECT NAME: CEDAR MEDICAL COLLABORATIVE PHASE 2

PROJECT ADDRESS: 1895 N JASPER DRIVE FLAGSTAFF, AZ

PROPERTY OWNER: MMV DEVCO LLC
15300 N 90TH ST #200
SCOTTSDALE, AZ 85260

DEVELOPER: CYPRESS WEST PARTNERS, LLC
JASON ANZALONE
30021 TOMAS ROAD, SUITE 130
RANCHO SANTA MARGARITA, CA 92688

ARCHITECT: DALKE DESIGN GROUP, LLC
2039 E. RICE DRIVE
TEMPE, AZ 85283
480-589-3793
VINCE@DALKEDESIGNGROUP.COM

PROJECT DATA

PARCEL NUMBERS: 101-46-012B

CURRENT ZONING: RD (RESEARCH AND DEVELOPMENT)

NET SITE AREA: 4.66 ACRES (202,990 S.F.)

BUILDING AREA: 44,702 S.F.

LOT COVERAGE: 22.0%

F.A.R.: .220

STORIES: ONE

OCCUPANCY: B

CONSTRUCTION TYPE: TYPE IIB (NON-COMBUSTIBLE)

REQUIRED PARKING:

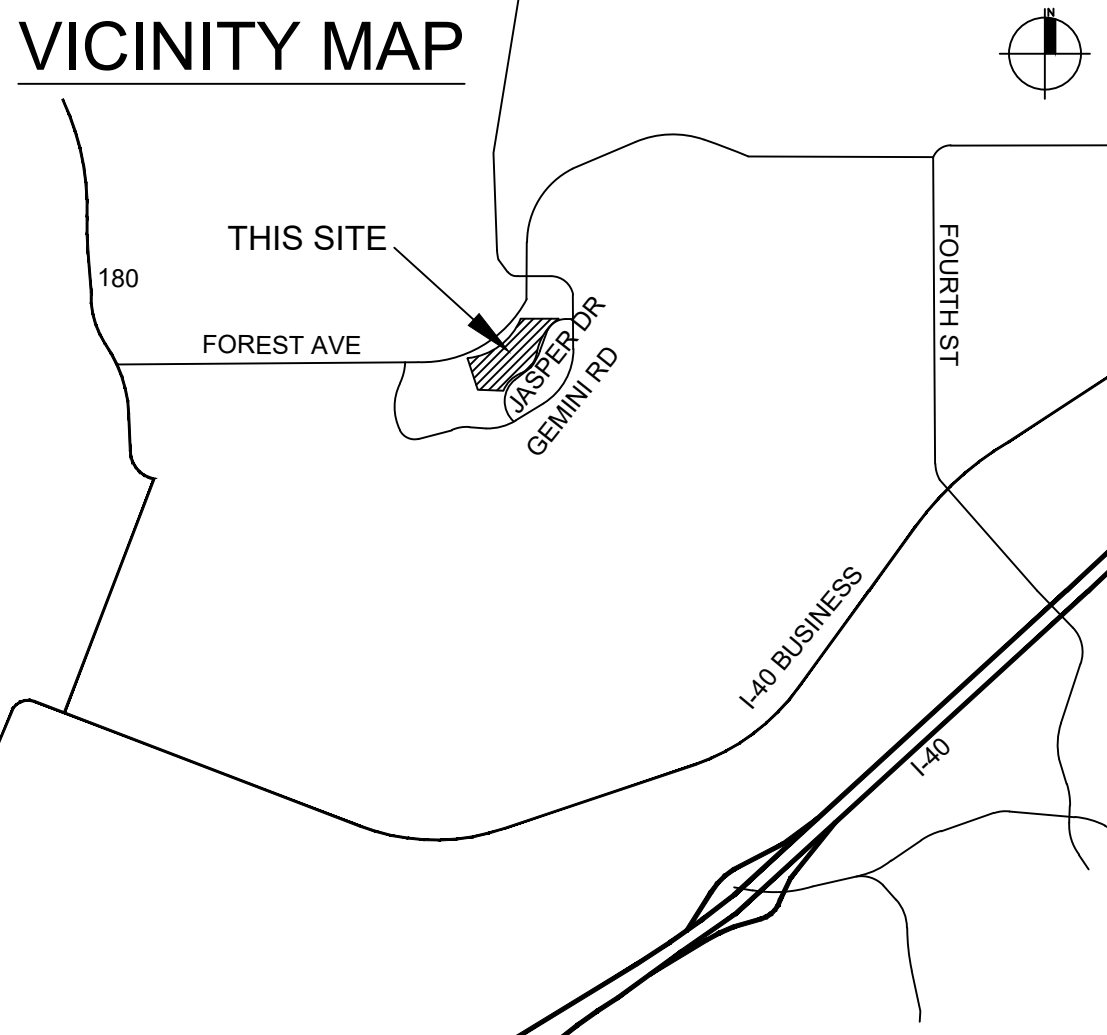
USE:	RATIO:	SPACES:
MEDICAL OFFICE:	1 SP PER EMPL X 100 EMPL =	100 SPACES
	5 SP PER DR X 15 DR =	75 SPACES
TOTAL REQUIRED:		175 SPACES
PROVIDED PARKING:		
TOTAL REGULAR SPACES:		162 SPACES
TOTAL ACCESSIBLE SPACES:		7 SPACES
MOTORCYCLE SPACES:		6 SPACES
TOTAL PROVIDED:		175 SPACES
PARKING RATIO:		3.9 CARS/1000 S.F.

PER PARKING ANALYSIS

BIKE PARKING REQ.: 175 X .05 = 9 SPACES (12 SPACES PROVIDED)

CIVIC SPACE QUANTITIES

TOTAL SITE AREA =	202,990 S.F.
CIVIC SPACE REQUIRED =	10,150 S.F. (5.0% OF SITE)
NORTH CIVIC SPACE PROVIDED =	11,018 S.F. (5.42% OF SITE)
EAST CIVIC SPACE PROVIDED =	5,305 S.F. (2.61% OF SITE)
SOUTH CIVIC SPACE PROVIDED =	2,744 S.F. (1.35% OF SITE)
TOTAL CIVIC SPACE PROVIDED =	19,067 S.F. (9.39% OF SITE)



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CEDAR MEDICAL COLLABORATIVE PHASE 2
1895 N. JASPER DRIVE, FLAGSTAFF, AZ

NUMBER	REVISION	DATE

SHEET TITLE
SITE PLAN - CUP

ISSUE DATE: 8/18/21
DRAWN: KAW
CHECKED BY: VDD
PROJECT NUMBER: -
DRAWING NO.:

A0.1

REV: -

1 SITE PLAN - CUP
SCALE: 1"=40'

**CEDAR MEDICAL
 COLLABORATIVE PHASE 2**
 1895 N. JASPER DRIVE, FLAGSTAFF, AZ

KEY NOTES:

1. OPEN SHELL FOR FUTURE CLIENT - NO CONCRETE SLAB
2. ELECTRICAL SES-SEE ELECTRICAL
3. STEEL COLUMN, TYPICAL
4. CANOPY ABOVE, TYPICAL
5. FIRE RISER / ROOF ACCESS
6. RECESSED DOWN LIGHT ABOVE, TYPICAL. SEE WALL SECTIONS AND ELECTRICAL PLANS, TYPICAL
7. WALL PACK LIGHTING ABOVE, SEE ELEVATIONS AND ELECTRICAL PLANS, TYPICAL
8. SLAB FOR GLAZING INSTALL ONLY. SEE SECTIONS AND STRUCTURAL
9. ROOF DRAIN - SEE ROOF PLAN AND MECHANICAL
10. CONCRETE AND MASONRY BASE AT COLUMN.
11. HVAC ABOVE, TYPICAL
12. CEILING OF SES AREA TO BE 1-HOUR FIRE RATED. SEE DETAIL 13 / A5.2
13. FUTURE INTERIOR FURRING TO BE PROVIDED BY THE TENANT TO COMPLY WITH COM. CHECK. FURRING TO CONSIST OF 3-5/8" METAL STUDS @ 24" O.C. WITH R11 INSULATION AND 5/8" GYP BD, TYPICAL
14. 48" SLAB / FF CHANGE LINE
15. STEEL ROOF HATCH ABOVE, WITH STEEL LADDER MOUNTED TO WALL
16. ELECTRICAL EQUIPMENT. REFER TO ELECTRICAL DRAWINGS FOR MORE INFO.
17. EXTERIOR HARDSCAPE SURFACE, SEE SITE PLAN.
18. SES RECESS TO BE AT LOWEST FINISH FLOOR. SEE ELEVATION AND STRUCTURAL
19. FURNISH AND INSTALL A COMPLETE WATER PROOFING SYSTEM FOR THIS LIMITED RETAINING WALL ZONE. SYSTEM TO INCLUDE MEL-ROL LM WATERPROOF MEMBRANE WITH A MEL-DRAIN 5012-B/5035-B SYSTEM.

GENERAL NOTES

1. THIS IS A "GREY" SHELL BUILDING PROJECT. FINAL INTERIOR FINISHES WILL BE BY FUTURE TENANTS' TYP. UNLESS NOTED OTHERWISE.
2. PROVIDE R-38 BATT INSULATION W/ WHITE SCRIM SHEET AT UNDERSIDE OF OF ROOF DECK.
3. SEE STRUCTURAL PLANS FOR ALL MEMBER SIZES, CMU, GROUT, CONNECTIONS, HEADERS, LINTELS, REINFORCING, BRACING AND INFORMATION NOTES.
4. 1/2" MAXIMUM HIGH THRESHOLD (ABOVE FINISH FLOOR ON BOTH SIDES) AT BUILDING ENTRANCES/ALL DOORS PER ICC A117.1308
5. ALL ENTRY DOORS HAVE BEEN PROVIDED WITH 24" ON THE STRIKE SIDE OF THE DOORS X 60" DEEP CLEARANCE AT EXTERIOR DOORS.
6. GLASS IN GLAZED CURTAIN WALLS, GLAZED STOREFRONT AND GLAZED PARTITIONS SHALL MEET SEISMIC REQUIREMENTS OF ACEE SECTION 13.5, IBC 2404.1

WALL TYPES

- A** 8" CMU WALL (SEE ELEVATIONS FOR EXTERIOR WALL FINISH, WHERE OCCURS). INTERIOR OF WALL TO BE UNFINISHED UNTIL TENANT BUILD OUT.
- B** 3-5/8" METAL STUDS @ 16" OC, 5/8" TYPE 'X' GYP. BOARD BOTH SIDES. PROVIDE SOUND INSULATION BATTS. EXTEND WALL FINISH & INSULATION FULL HEIGHT TO BOTT. OF DECK.
- C** 2" X 4" ALUM. WINDOW SYSTEM W/ 1" GLASS, SEE ELEVATIONS FOR ADDITIONAL INFORMATION.

NUMBER	REVISION	DATE
1	CLIENT COORDINATION	7/14/21
2	1ST CITY REVISION	7/19/21



SHEET TITLE
 FLOOR PLAN

ISSUE DATE 07/19/2021

DRAWN

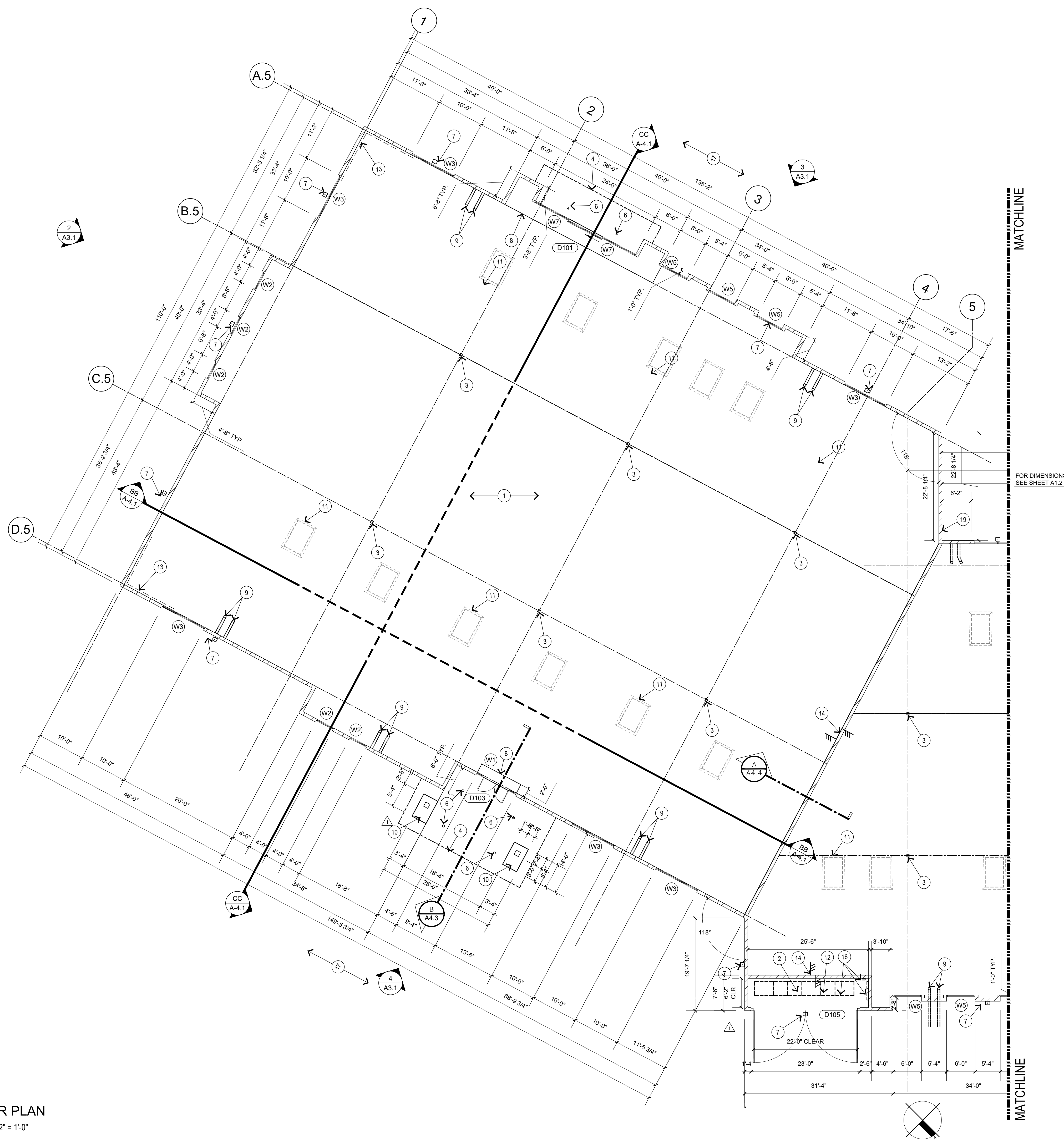
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PROJECT NUMBER

DRAWING NO.

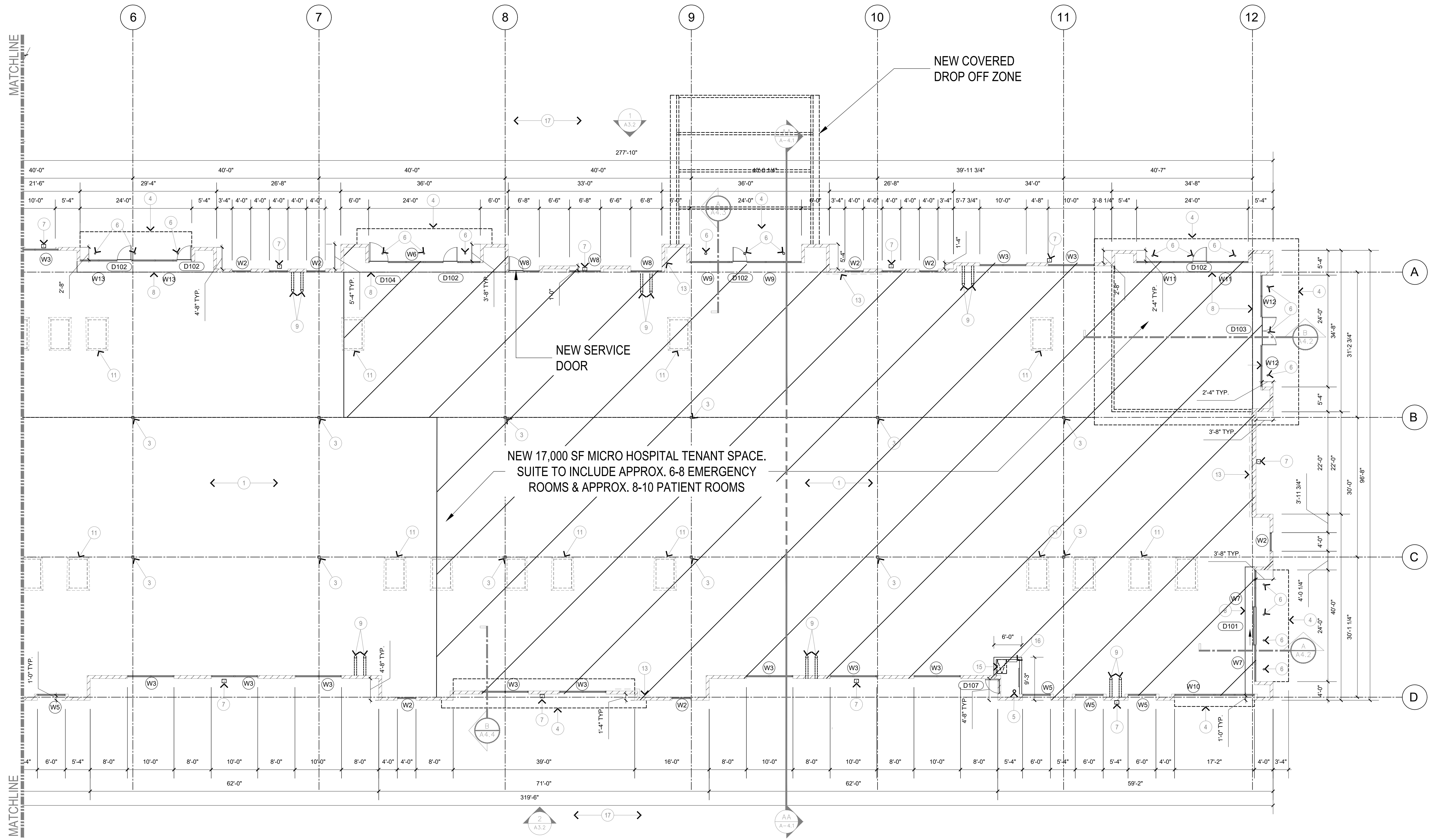
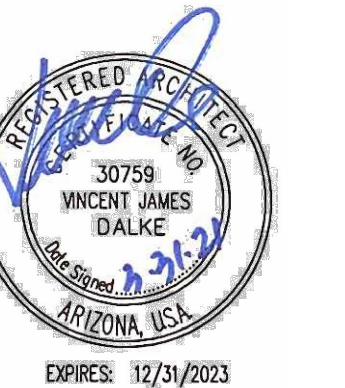
A1.1

REV



1 FLOOR PLAN
 SCALE: 3/32" = 1'-0"

NUMBER	REVISION	DATE

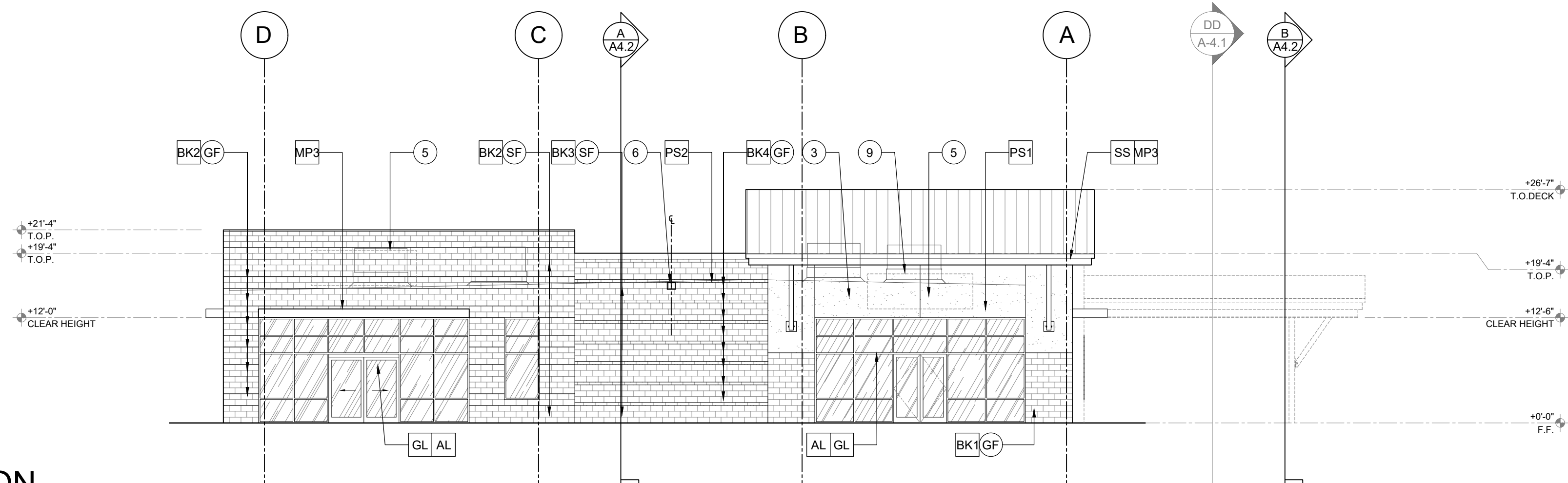


1 FLOOR PLAN
 SCALE: 3/32" = 1'-0"

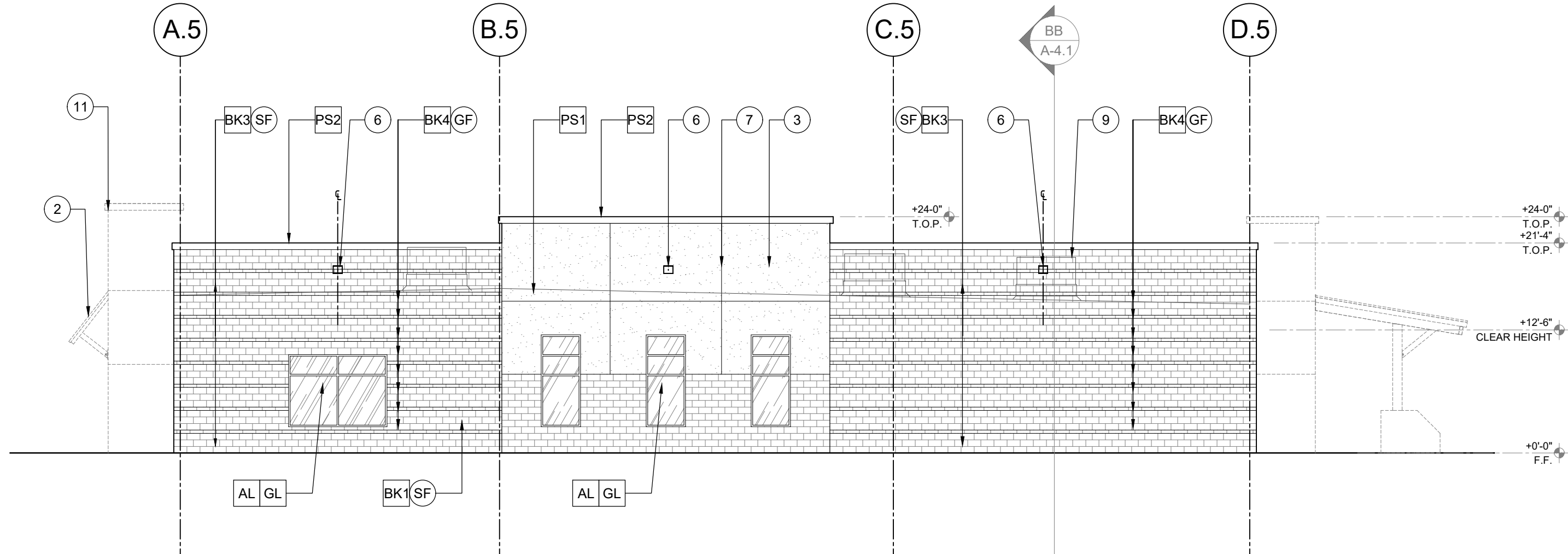
WALL TYPES	
A	8" CMU WALL (SEE ELEVATIONS FOR EXTERIOR WALL FINISH, WHERE OCCURS.) INTERIOR OF WALL TO BE UNFINISHED UNTIL TENANT BUILD OUT.
B	3-5/8" METAL STUDS @ 16" OC, 5/8" TYPE 'X' GYP. BOARD BOTH SIDES. PROVIDE SOUND INSULATION BATTS. EXTEND WALL FINISH & INSULATION FULL HEIGHT TO BOT. OF DECK.
C	2" X 4" ALUM. WINDOW SYSTEM W/ 1" GLASS, SEE ELEVATIONS FOR ADDITIONAL INFORMATION.

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 - SEE STRUCTURAL PLANS FOR ALL MEMBER SIZES, CMU, GROUT, CONNECTIONS, HEADERS, LINTELS, REINFORCING, BRACING AND INFORMATION NOTES.

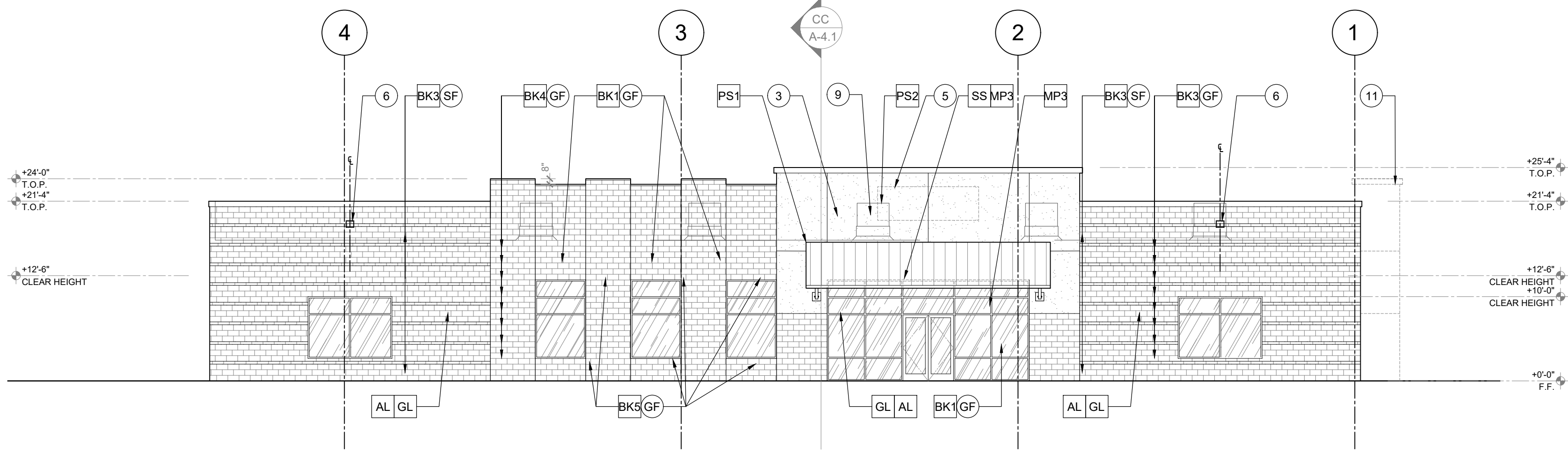
- KEY NOTES:**
- OPEN SHELL FOR FUTURE CLIENT - NO CONCRETE SLAB
 - ELECTRICAL - SEE ELECTRICAL
 - STEEL COLUMN, TYPICAL
 - CANOPY ABOVE, TYPICAL
 - FIRE RISER / ROOF ACCESS
 - RECESSED DOWN LIGHT ABOVE, TYPICAL. SEE WALL SECTIONS AND ELECTRICAL PLANS
 - WALL PACK LIGHTING ABOVE. SEE ELEVATIONS AND ELECTRICAL PLANS, TYPICAL
 - SLAB FOR GLAZING INSTALL ONLY. SEE SECTIONS AND STRUCTURAL.
 - ROOF DRAIN - SEE ROOF PLAN AND MECHANICAL
 - CAST IN PLACE CONCRETE BASE SEE ELEVATION
 - HVAC ABOVE, TYPICAL
 - CEILING OF SES AREA TO BE 1-HOUR FIRE RATED. SEE DETAIL 13 / A5.2
 - FUTURE INTERIOR FURRING TO BE PROVIDED BY THE TENANT TO COMPLY WITH COM CHECK. FURRING TO CONSIST OF 3-5/8" METAL STUDS @ 24" O.C. WITH R11 INSULATION AND 5/8" GYP BD, TYPICAL
 - 48" SLAB/ FF CHANGE LINE
 - STEEL ROOF HATCH ABOVE, WITH STEEL LADDER MOUNTED TO WALL
 - ELECTRICAL EQUIPMENT. REFER TO ELECTRICAL DRAWINGS FOR MORE INFO.
 - EXTERIOR HARDSCAPE SURFACE, SEE SITE PLAN.



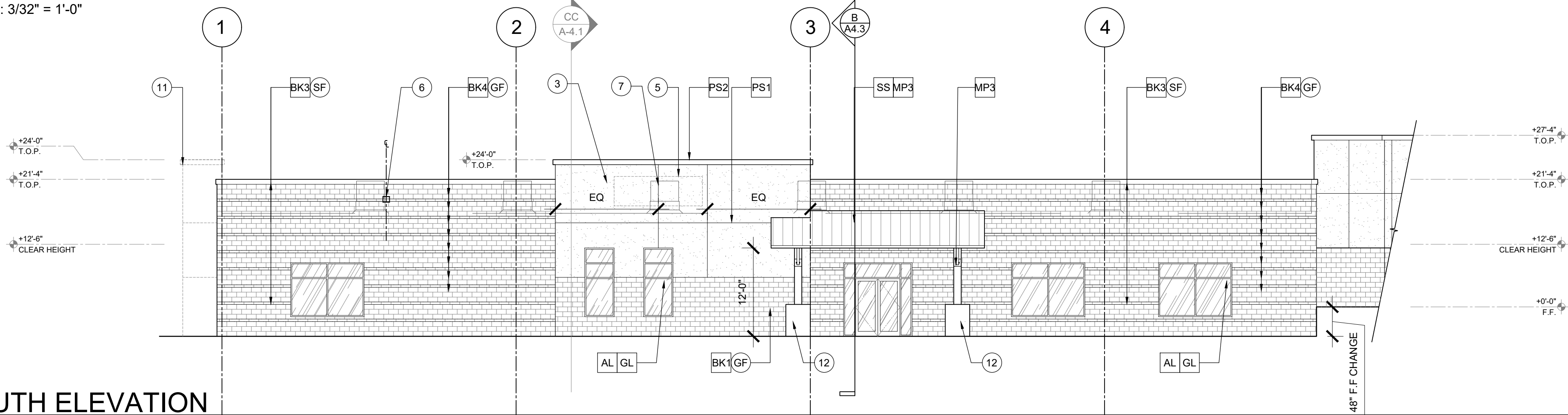
1 NORTHEAST ELEVATION
SCALE: 3/32" = 1'-0"



2 WEST ELEVATION
SCALE: 3/32" = 1'-0"



3 NORTH ELEVATION
SCALE: 3/32" = 1'-0"



4 SOUTH ELEVATION
SCALE: 3/32" = 1'-0"

- ELEVATION KEYED NOTES:**
- METAL ROOF PER SPECIFICATIONS.
 - METAL CANOPY, TYPICAL
 - ONE COAT STUCCO SYSTEM WITH ACRYLIC TOP COAT.
 - CUSTOM CORNERSTONE BLOCK PER CLIENT DESIGN. VERIFY FINAL PLACEMENT PRIOR TO MASONRY WORK.
 - FUTURE TENANT SIGNAGE- UNDER SEPARATE PERMIT
 - WALL PACK LIGHTING
 - MASONRY CONTROL JOINT. REVIEW AND COORDINATE WITH STRUCTURAL. TYPICAL
 - KNOX BOX LOCATIONS PER CITY STANDARDS. CONFIRM MOUNTING HEIGHT WITH CITY STANDARDS PRIOR TO INSTALLATION.
 - ROOF LINE AND HVAC EQUIPMENT BEYOND PERAPET, TYP.
 - 6" TALL BUILDING ADDRESS NUMBER-RAISED LETTERS. METAL, NON-ILLUMINATING.
 - WALL / BUILDING ELEMENT BEYOND, TYPICAL.
 - CAST IN PLACE CONC BASE

- MATERIALS**
- BK1** 8"X16"X8" INTEGRAL BLOCK BLOCKLITE "EBONY #15"
 - BK2** 8"X16"X8" INTEGRAL BLOCK BLOCKLITE "BARK #12"
 - BK3** 8"X16"X8" INTEGRAL BLOCK BLOCKLITE "DOESKIN #4"
 - BK4** 4"X16"X8" INTEGRAL BLOCK BLOCKLITE "PEBBLE BEACH #319"
 - BK5** 8"X16"X8" INTEGRAL BLOCK BLOCKLITE "PEBBLE BEACH #319"
 - SF** SPLIT FACE FINISH
 - GF** GROUND FACE (HONED) FINISH
 - MP** METAL - PAINTED "SEE PAINT SCHEDULE FOR COLOR"
 - SS** MBCI, 22 GA. LOK SEAM 16" PANEL ROOFING SYSTEM "SLATE"
 - PS** PAINTED STUCCO FINISH "SEE PAINT SCHEDULE FOR COLOR"

- STOREFRONT**
- AL** CLEAR ANODIZED ALUMINUM
 - GL** SOLAR BAND "GRAY"
- PAINT SCHEDULE**
- DUNN EDWARDS - DE6228 "PLAY ON GRAY" LRV - 43
 - DUNN EDWARDS - DE6229 "CALICO ROCK" LRV - 28
 - DUNN EDWARDS - DE6378 "JET" LRV - 9

FINISH PERCENTAGES

ELEVATION	QTY
NORTHEAST	
TOTAL AREA MINUS STOREFONT	1,225
BLOCK	83.0%
STUCCO	17.0%
NORTHWEST	
TOTAL AREA MINUS STOREFONT	3,858
BLOCK	76.5%
STUCCO	24.5%
NORTH	
TOTAL AREA MINUS STOREFONT	2,325
BLOCK	84.0%
STUCCO	16.0%
WEST	
TOTAL AREA MINUS STOREFONT	2,177
BLOCK	79.0%
STUCCO	21.0%
SOUTH	
TOTAL AREA MINUS STOREFONT	2,635
BLOCK	82.0%
STUCCO	18.0%
SOUTHEAST	
TOTAL AREA MINUS STOREFONT	4,942
BLOCK	83.0%
STUCCO	17.0%



2039 E RICE DR., TEMPE
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CEDAR MEDICAL COLLABORATIVE PHASE 2
1895 N. JASPER DRIVE, FLAGSTAFF, AZ

NUMBER	REVISION	DATE



SHEET TITLE
EXTERIOR ELEVATIONS

ISSUE DATE 6/22/21
DRAWN KAW
CHECKED BY VDD
PROJECT NUMBER -

DRAWING NO.

A3.1

REV -

ELEVATION KEYED NOTES:

1. METAL ROOF PER SPECIFICATIONS.
2. METAL CANOPY, TYPICAL.
3. ONE COAT STUCCO SYSTEM WITH ACRYLIC TOP COAT.
4. CUSTOM CORNERSTONE BLOCK PER CLIENT DESIGN. VERIFY FINAL PLACEMENT PRIOR TO MASONRY WORK.
5. FUTURE TENANT SIGNAGE - UNDER SEPARATE PERMIT
6. WALL PACK LIGHTING
7. MASONRY CONTROL JOINT. REVIEW AND COORDINATE WITH STRUCTURAL, TYPICAL.
8. KNOX BOX LOCATIONS PER CITY STANDARDS. CONFIRM MOUNTING HEIGHT WITH CITY STANDARDS PRIOR TO INSTALLATION.
9. ROOF LINE AND HVAC EQUIPMENT BEYOND PERAPET, TYP.
10. 6" TALL BUILDING ADDRESS NUMBER-RAISED LETTERS, METAL, NON-ILLUMINATING.
11. WALL / BUILDING ELEMENT BEYOND, TYPICAL.
12. CAST IN PLACE CONC BASE

MATERIALS

- BK1** 8"X16"X8" INTEGRAL BLOCK BLOCKLITE "EBONY #15"
- BK2** 8"X16"X8" INTEGRAL BLOCK BLOCKLITE "BARK #12"
- BK3** 8"X16"X8" INTEGRAL BLOCK BLOCKLITE "DOESKIN #4"
- BK4** 4"X16"X8" INTEGRAL BLOCK BLOCKLITE "PEBBLE BEACH #319"
- BK5** 8"X16"X8" INTEGRAL BLOCK BLOCKLITE "PEBBLE BEACH #319"
- SF** SPLIT FACE FINISH
- GF** GROUND FACE (HONED) FINISH
- MP** METAL - PAINTED
"SEE PAINT SCHEDULE FOR COLOR"
- SS** MBCI, 22 GA. LOK SEAM 16" PANEL ROOFING SYSTEM "SLATE"
- PS** PAINTED STUCCO FINISH
"SEE PAINT SCHEDULE FOR COLOR"

STOREFRONT

- AL** CLEAR ANODIZED ALUMINUM
- GL** SOLAR BAND "GRAY"

PAINT SCHEDULE

- 1** DUNN EDWARDS - DE6228 "PLAY ON GRAY" LRV - 43
- 2** DUNN EDWARDS - DE6229 "CALICO ROCK" LRV - 28
- 3** DUNN EDWARDS - DE6378 "JET" LRV - 9

FINISH PERCENTAGES

ELEVATION	QTY
NORTHEAST	
TOTAL AREA MINUS STOREFONT	1,225
BLOCK	83.0%
STUCCO	17.0%
NORTHWEST	
TOTAL AREA MINUS STOREFONT	3,858
BLOCK	73.3%
STUCCO	26.7%
NORTH	
TOTAL AREA MINUS STOREFONT	2,325
BLOCK	84.0%
STUCCO	16.0%
WEST	
TOTAL AREA MINUS STOREFONT	2,177
BLOCK	79.0%
STUCCO	21.0%
SOUTH	
TOTAL AREA MINUS STOREFONT	2,635
BLOCK	82.0%
STUCCO	18.0%
SOUTHEAST	
TOTAL AREA MINUS STOREFONT	4,942
BLOCK	83.0%
STUCCO	17.0%

NUMBER REVISION DATE

SEAL



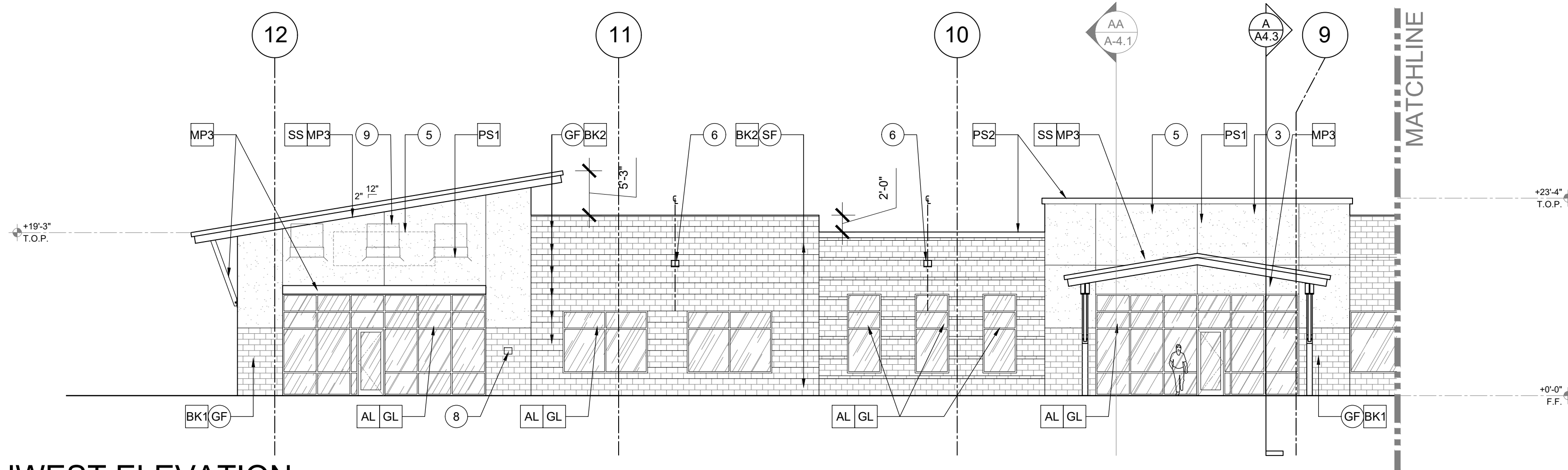
SHEET TITLE
EXTERIOR ELEVATIONS

ISSUE DATE 6/22/21
DRAWN KAW
CHECKED BY VDD
PROJECT NUMBER

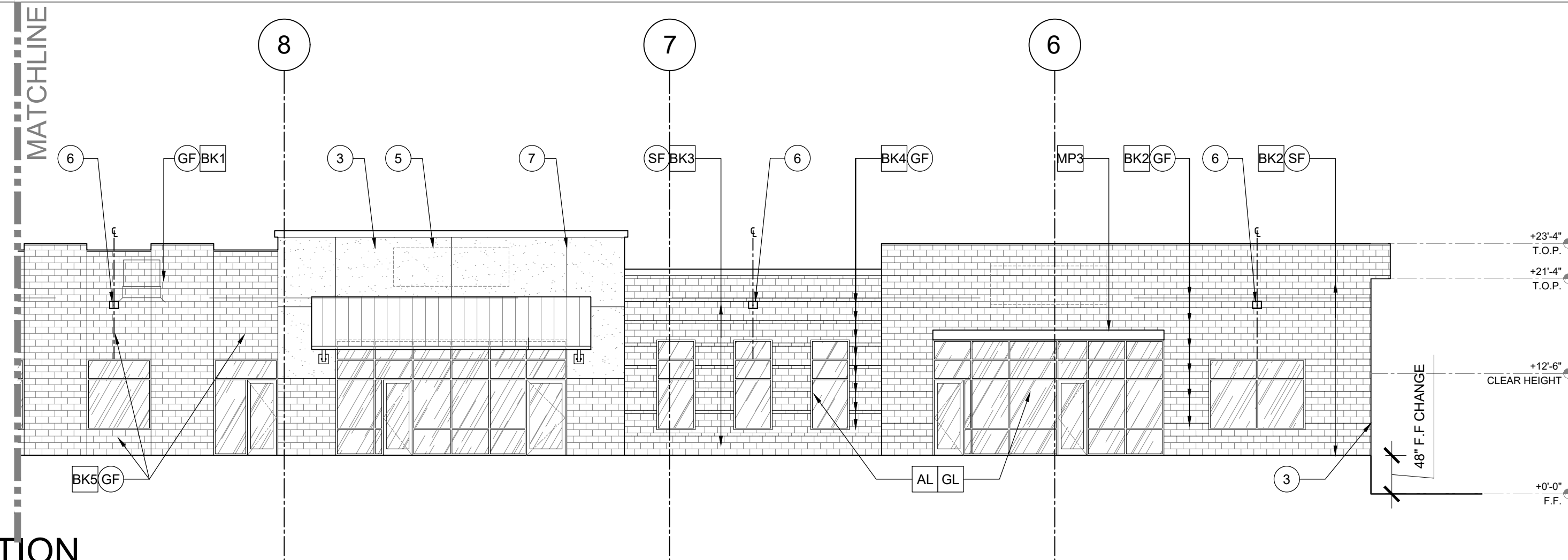
DRAWING NO.

A3.2

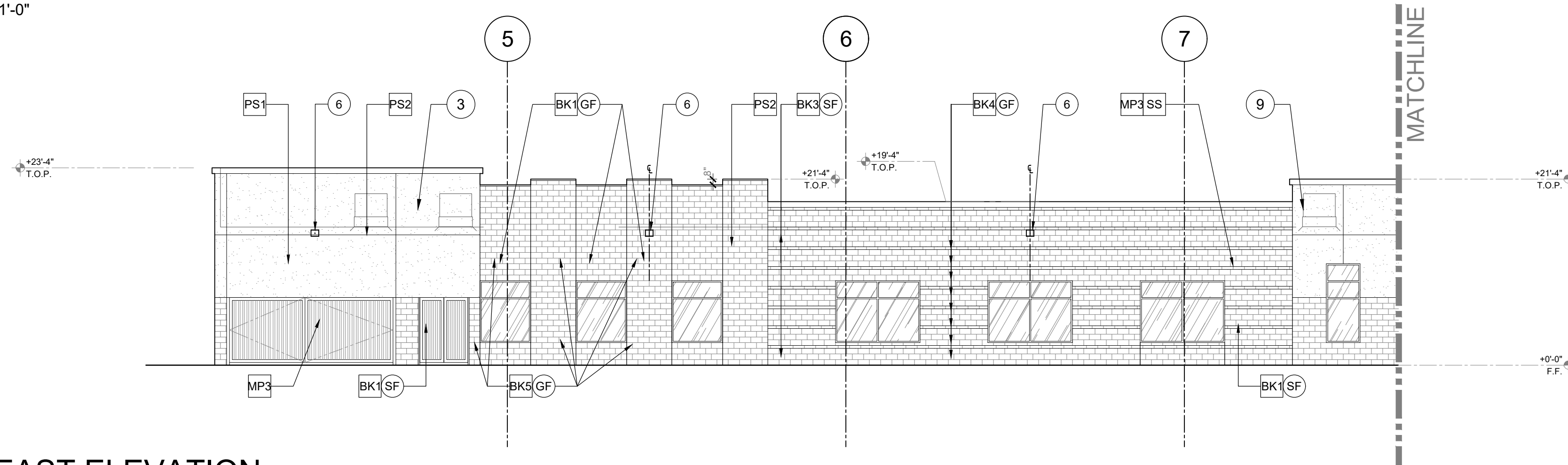
REV



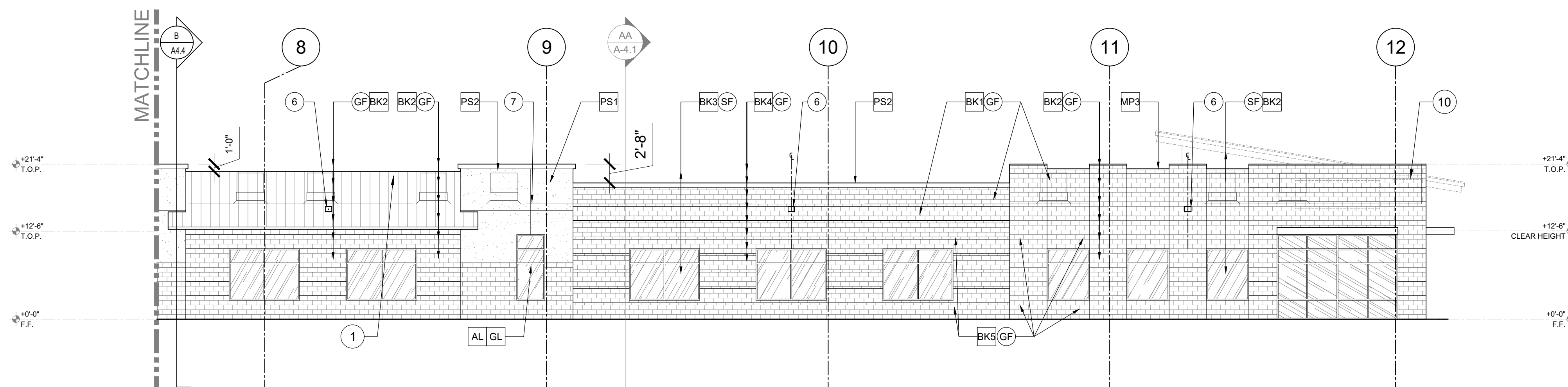
1 NORTHWEST ELEVATION
SCALE: 3/32" = 1'-0"



2 NORTHWEST ELEVATION
SCALE: 3/32" = 1'-0"



3 SOUTHEAST ELEVATION
SCALE: 3/32" = 1'-0"



4 SOUTHEAST ELEVATION
SCALE: 3/32" = 1'-0"

ELEVATION KEYED NOTES:

- METAL ROOF PER SPECIFICATIONS.
- METAL CANOPY, TYPICAL.
- ONE COAT STUCCO SYSTEM WITH ACRYLIC TOP COAT.
- CUSTOM CORNERSTONE BLOCK PER CLIENT DESIGN. VERIFY FINAL PLACEMENT PRIOR TO MASONRY WORK.
- FUTURE TENANT SIGNAGE- UNDER SEPARATE PERMIT
- WALL PACK LIGHTING
- MASONRY CONTROL JOINT. REVIEW AND COORDINATE WITH STRUCTURAL. TYPICAL
- KNOX BOX LOCATIONS PER CITY STANDARDS. CONFIRM MOUNTING HEIGHT WITH CITY STANDARDS PRIOR TO INSTALLATION.
- ROOF LINE AND HVAC EQUIPMENT BEYOND PERAPET, TYP.
- 6" TALL BUILDING ADDRESS NUMBER-RAISED LETTERS. METAL, NON-ILLUMINATING.
- WALL / BUILDING ELEMENT BEYOND, TYPICAL.
- CAST IN PLACE CONC BASE

MATERIALS

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- BK2** 8"X16"X8" INTEGRAL BLOCK BLOCKLITE "BARK #12"
- BK3** 8"X16"X8" INTEGRAL BLOCK BLOCKLITE "DOESKIN #4"
- BK4** 4"X16"X8" INTEGRAL BLOCK BLOCKLITE "PEBBLE BEACH #319"
- BK5** 8"X16"X8" INTEGRAL BLOCK BLOCKLITE "PEBBLE BEACH #319"
- SF** SPLIT FACE FINISH
- GF** GROUND FACE (HONED) FINISH
- MP** METAL - PAINTED
"SEE PAINT SCHEDULE FOR COLOR"
- SS** MBCI, 22 GA. LOK SEAM 16" PANEL ROOFING SYSTEM "SLATE"
- PS** PAINTED STUCCO FINISH
"SEE PAINT SCHEDULE FOR COLOR"

STOREFRONT

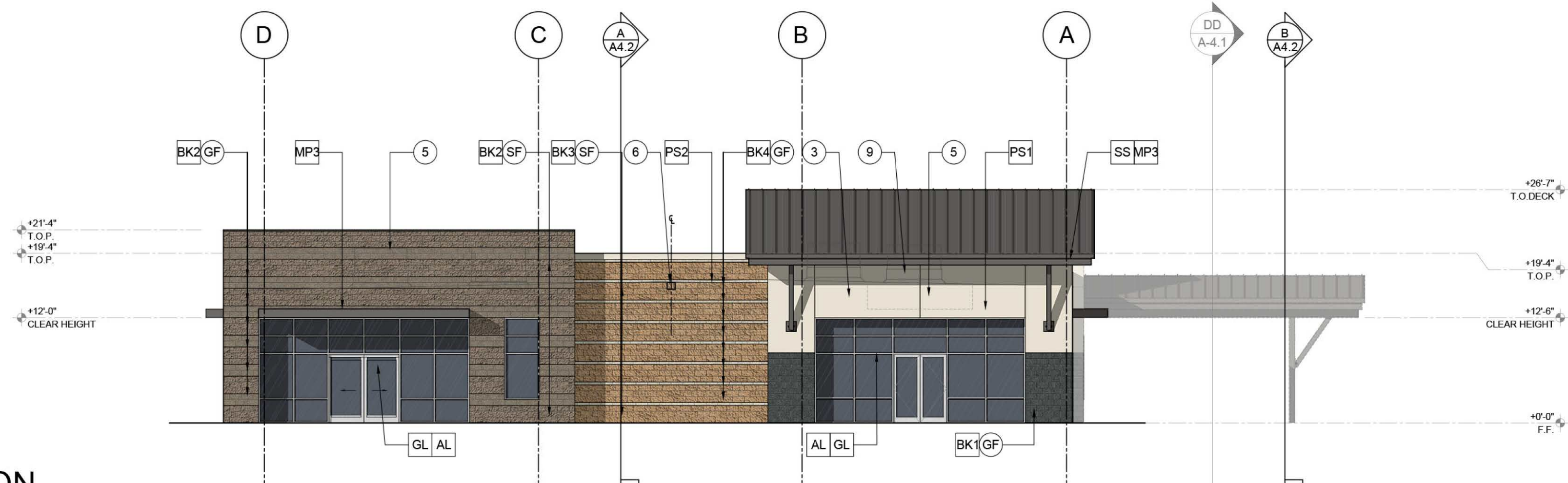
- AL** CLEAR ANODIZED ALUMINUM
- GL** SOLAR BAND "GRAY"

PAINT SCHEDULE

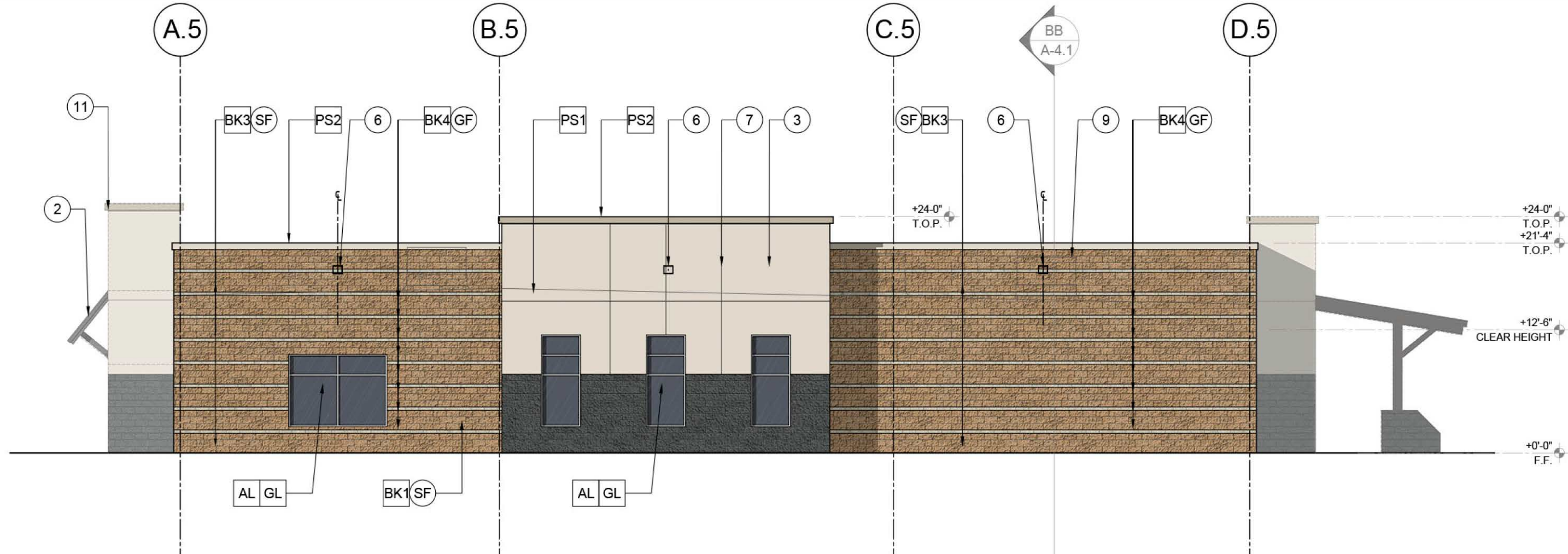
- DUNN EDWARDS - DE6228 "PLAY ON GRAY" LRV - 43
- DUNN EDWARDS - DE6229 "CALICO ROCK" LRV - 28
- DUNN EDWARDS - DE6378 "JET" LRV - 9

FINISH PERCENTAGES

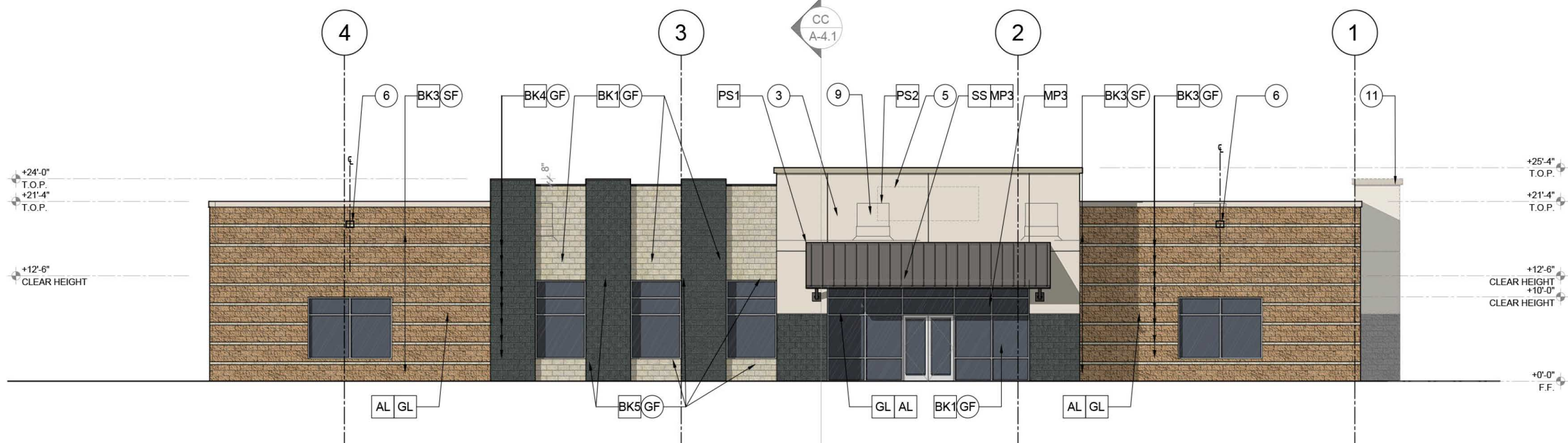
ELEVATION	QTY
NORTHEAST	
TOTAL AREA MINUS STOREFONT	1,225
BLOCK	83.0%
STUCCO	17.0%
NORTHWEST	
TOTAL AREA MINUS STOREFONT	3,858
BLOCK	76.5%
STUCCO	24.5%
NORTH	
TOTAL AREA MINUS STOREFONT	2,325
BLOCK	84.0%
STUCCO	16.0%
WEST	
TOTAL AREA MINUS STOREFONT	2,177
BLOCK	79.0%
STUCCO	21.0%
SOUTH	
TOTAL AREA MINUS STOREFONT	2,635
BLOCK	82.0%
STUCCO	18.0%
SOUTHEAST	
TOTAL AREA MINUS STOREFONT	4,942
BLOCK	83.0%
STUCCO	17.0%



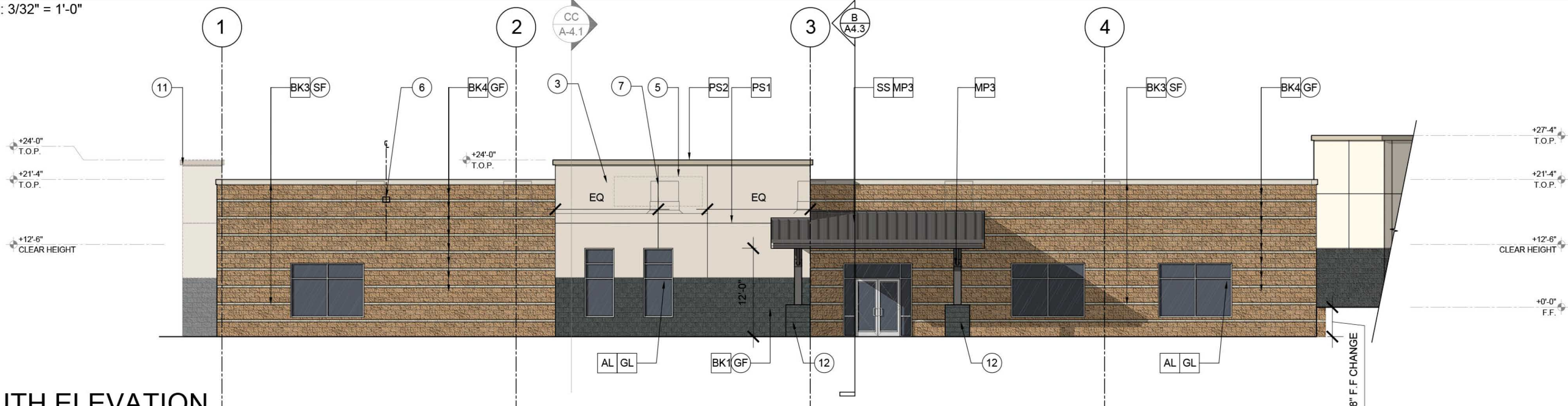
1 NORTHEAST ELEVATION
SCALE: 3/32" = 1'-0"



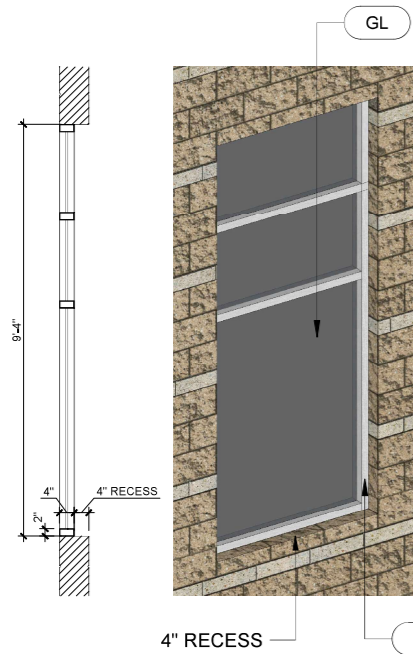
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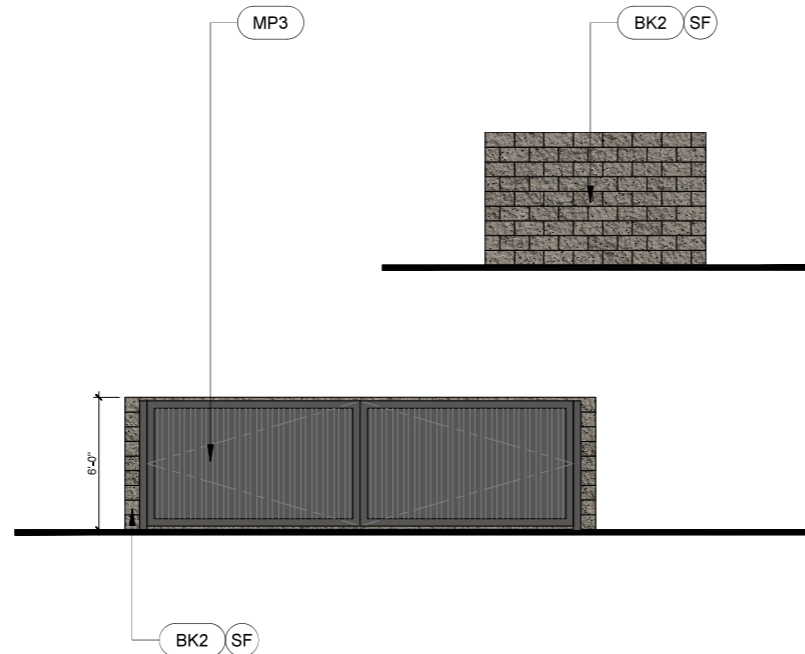
3 NORTH ELEVATION
SCALE: 3/32" = 1'-0"



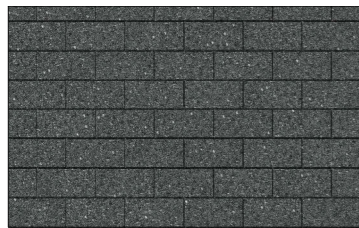
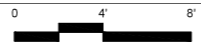
4 SOUTH ELEVATION
SCALE: 3/32" = 1'-0"



1 WINDOW DETAIL
SCALE: 1/2" = 1'-0"



2 TRASH ENCLOSURE FINISHES
SCALE: 1/4" = 1'-0"



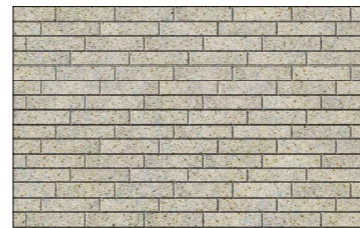
BK1 - 8"X16"X8" INTEGRAL BLOCK
BLOCKLITE "EBONY #15"



BK2 - 8"X16"X8" INTEGRAL BLOCK
BLOCKLITE "BARK #12"



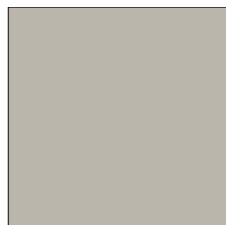
BK3 - 8"X16"X8" INTEGRAL BLOCK
BLOCKLITE "DOESKIN #4"



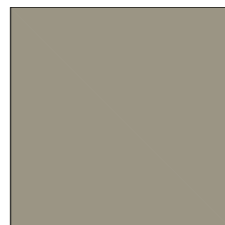
BK4 - 4"X16"X8" INTEGRAL BLOCK
BLOCKLITE "PEBBLE BEACH #319"



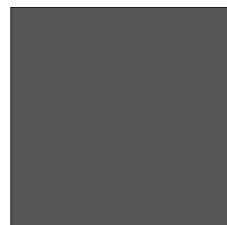
BK5 - 8"X16"X8" INTEGRAL BLOCK
BLOCKLITE "PEBBLE BEACH #319"



P1 - DUNN EDWARDS - DE6228
"PLAY ON GRAY" LRV - 43



P2 - DUNN EDWARDS - DE6229
"CALICO ROCK" LRV - 28



P3 - DUNN EDWARDS - DE6378
"JET" LRV - 9



AL - CLEAR ANODIZED ALUMINUM



GL - SOLAR BAND
"GRAY"

3 FINISHES
SCALE: N/A

NUMBER	REVISION	DATE

SEAL



SHEET TITLE

COLOR BOARD

ISSUE DATE 3/31/21

DRAWN KW

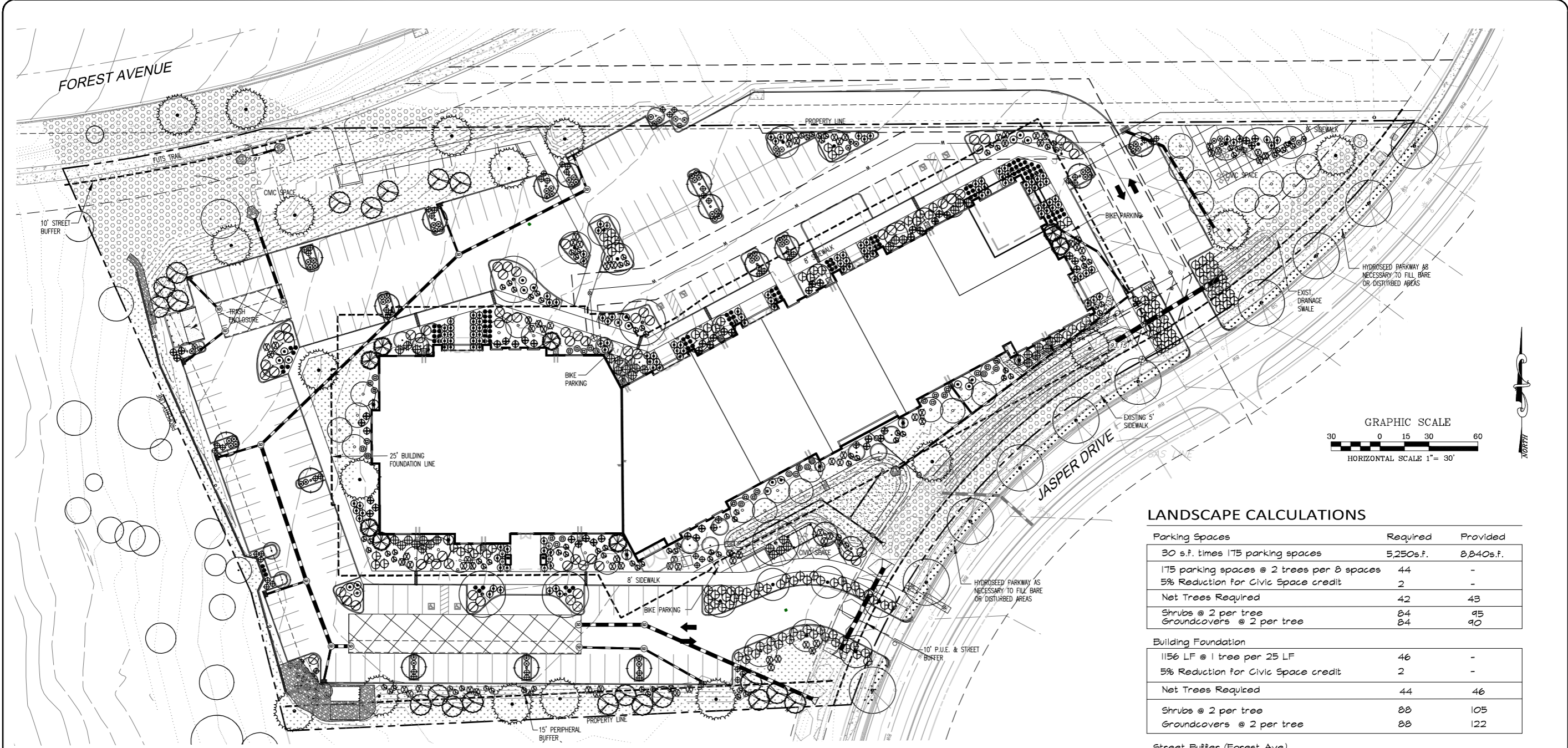
CHECKED BY VJD

PROJECT NUMBER

DRAWING NO.

G0.2

REV



NO.	DATE:	REVISIONS

The **WLB** Group, Inc.
 WLB Group, Inc.
 86001
 Phoenix, AZ
 Tucson, AZ
 Flagstaff, AZ
 Phoenix, AZ
 PH: (928) 779-1500

CEDAR MEDICAL COLLABORATIVE
 PHASE II
 LANDSCAPE CUP PLAN

REGISTERED LANDSCAPE ARCHITECT
 34188
 STEPHEN C.
 PARSONS
 5/21/2021
 ARIZONA, USA

DESIGNED BY: SP
 DRAWN BY: JR
 CHECK BY: SP
 DATE: MAY 2021
 BY: SP
 DATE:

PROJECT NO.
 319003A001
 SHEET
L1

LANDSCAPE CALCULATIONS

Parking Spaces	Required	Provided
30 s.f. times 175 parking spaces	5,250s.f.	8,840s.f.
175 parking spaces @ 2 trees per 8 spaces	44	-
5% Reduction for Civic Space credit	2	-
Net Trees Required	42	43
Shrubs @ 2 per tree	84	95
Groundcovers @ 2 per tree	84	90

Building Foundation	Required	Provided
1156 LF @ 1 tree per 25 LF	46	-
5% Reduction for Civic Space credit	2	-
Net Trees Required	44	46
Shrubs @ 2 per tree	88	105
Groundcovers @ 2 per tree	88	122

Street Buffer (Forest Ave)	Required	Provided
152 LF @ 1 trees per 15 LF	10	-
5% Reduction for Civic Space credit	0	-
Net Trees Required	10	10
Shrubs @ 3 per tree	30	30
Groundcovers @ 2 per tree	20	20

Street Buffer (Jasper Drive)	Required	Provided
515 LF @ 1 trees per 15 LF	34	-
5% Reduction for Civic Space credit	2	-
Net Trees Required	32	32
Shrubs @ 3 per tree	96	119
Groundcovers @ 2 per tree	64	76

Peripheral Buffer (South Property Line)	Required	Provided
346 LF @ 1 trees per 25 LF	14	-
5% Reduction for Civic Space credit	1	-
Net Trees Required	13	13
Shrubs @ 2 per tree	26	28
Groundcovers @ 2 per tree	26	26

PLANT SCHEDULE

SYMBOL	BOTANICAL/COMMON NAME	SIZE	QTY.	MAT. SIZE	REMARKS	SYMBOL	BOTANICAL/COMMON NAME	SIZE	QTY.	MAT. SIZE	REMARKS	SYMBOL	BOTANICAL/COMMON NAME	SIZE	QTY.	MAT. SIZE	REMARKS	
TREES																		
	ACER FREEMANII 'AUTUMN BLAZE'	2" CAL.	15	40x30	STANDARD		CERCIS OCCIDENTALIS	2" CAL.	20	15x10	LOW-BREAKING		JUNIPERUS HORIZONTALIS 'WILTONI'	5 GAL.	63	.75x6	2 GPH EMITTER	
	AUTUMN BLAZE MAPLE	2" CAL.	15	40x30	STANDARD		CORNUS SERICEA 'ARCTIC FIRE'	5 GAL.	58	4x4	2 GPH EMITTER		JUNIPERUS COMMUNIS 'MONDAP'	1 GAL.	77	1x4	1 GPH EMITTER	
	WESTERN REDBUD	2" CAL.	20	15x10	LOW-BREAKING		PEROVSKIA ATRIPLICIFOLIA	5 GAL.	80	4x4	2 GPH EMITTER		MAHONIA REPENS 'DARKSTAR'	1 GAL.	136	1.5x4	2 GPH EMITTER	
	CRATAEGUS LAEVIGATA 'CRIMSON CLOUD'	2" CAL.	18	20x15	STANDARD		RUSSIAN SAGE	5 GAL.	62	3x3	2 GPH EMITTER		PRUNUS BESSEYI 'PANNEE BUTTES'	5 GAL.	140	1.5x6	2 GPH EMITTER	
	CRIMSON CLOUD HAWTHORN	2" CAL.	18	20x15	STANDARD		KOREAN SPICE VIBURNUM	5 GAL.	9	6x6	2 GPH EMITTER		CREeping SAND CHERRY	33,285 S.F.			HYDROSEED PER SUPPLIER'S SPECS	
	BABY BLUEEYES SPRUCE	6" TALL	8	20x10	STANDARD		FOERSTER'S FEATHER REED GRASS	5 GAL.	104	4x2.5	2 GPH EMITTER		EXISTING NATIVE GRASSES				REMAIN IN PLACE	
	PONDEROSA PINE	24" BOX	18	80x30	STANDARD		MUHLENBERGIA REVERCHONII 'UNDAUNTED'	1 GAL.	101	2x2	2 GPH EMITTER							
	BABY BLUEEYES SPRUCE	6" TALL	8	20x10	STANDARD													
	PONDEROSA PINE	24" BOX	18	80x30	STANDARD													
	QUAKING ASPEN	15-GAL.	32	50x15	STANDARD													
	SUMMER GLOW MAYDAY TREE	2" CAL.	15	20x20	STANDARD													
	CHANTICLEER PEAR	2" CAL.	10	30x15	STANDARD													
	GAMBEL OAK	15-GAL.	21	25x15	STANDARD													
SHRUBS / GRASSES																		
	ARONIA MELANOCARPA 'IROQUOIS BEAUTY'	5 GAL.	34	3x4	2 GPH EMITTER		JUNIPERUS HORIZONTALIS 'WILTONI'	5 GAL.	63	.75x6	2 GPH EMITTER							
	IROQUOIS BEAUTY CHOKEBERRY	5 GAL.	21	4x4	2 GPH EMITTER		JUNIPERUS COMMUNIS 'MONDAP'	1 GAL.	77	1x4	1 GPH EMITTER							
	BERBERIS THUNBERGII 'ROSE GLOW'	5 GAL.	21	4x4	2 GPH EMITTER		MAHONIA REPENS 'DARKSTAR'	1 GAL.	136	1.5x4	2 GPH EMITTER							
	ROSE GLOW BARBERRY	5 GAL.	21	4x4	2 GPH EMITTER		PRUNUS BESSEYI 'PANNEE BUTTES'	5 GAL.	140	1.5x6	2 GPH EMITTER							
	ARCTIC FIRE DOGWOOD	5 GAL.	58	4x4	2 GPH EMITTER		CREeping SAND CHERRY	33,285 S.F.										
	RUSSIAN SAGE	5 GAL.	62	3x3	2 GPH EMITTER		EXISTING NATIVE GRASSES											
	GOLDFINGER POTENTILLA	5 GAL.	62	3x3	2 GPH EMITTER													
	SPIRAEA JAPONICA 'ALPINE'	5 GAL.	36	2x5	2 GPH EMITTER													
	DAPHNE SPIREA	5 GAL.	36	2x5	2 GPH EMITTER													
	VIBURNUM CARLESII	5 GAL.	9	6x6	2 GPH EMITTER													
	KOREAN SPICE VIBURNUM	5 GAL.	9	6x6	2 GPH EMITTER													
	CALAMAGROSTIS x ACUTIFLORA 'K.F.'	5 GAL.	104	4x2.5	2 GPH EMITTER													
	FOERSTER'S FEATHER REED GRASS	5 GAL.	104	4x2.5	2 GPH EMITTER													
	MUHLENBERGIA REVERCHONII 'UNDAUNTED'	1 GAL.	101	2x2	2 GPH EMITTER													
	SEEP MUHLY	1 GAL.	101	2x2	2 GPH EMITTER													
GROUNDCOVER																		
	JUNIPERUS HORIZONTALIS 'WILTONI'	5 GAL.	63	.75x6	2 GPH EMITTER													
	BLUE RUG JUNIPER	5 GAL.	63	.75x6	2 GPH EMITTER													
	JUNIPERUS COMMUNIS 'MONDAP'	1 GAL.	77	1x4	1 GPH EMITTER													
	ALPINE CARPET JUNIPER	1 GAL.	77	1x4	1 GPH EMITTER													
	MAHONIA REPENS 'DARKSTAR'	1 GAL.	136	1.5x4	2 GPH EMITTER													
	CREeping OREGON GRAPE	1 GAL.	136	1.5x4	2 GPH EMITTER													
	PRUNUS BESSEYI 'PANNEE BUTTES'	5 GAL.	140	1.5x6	2 GPH EMITTER													
	CREeping SAND CHERRY	5 GAL.	140	1.5x6	2 GPH EMITTER													
	NATIVE SEED MIX	33,285 S.F.																
	CITY OF FLAGSTAFF STANDARD	33,285 S.F.																
	EXISTING NATIVE GRASSES																	
MATERIALS																		
	NATIVE BARK MULCH	STANDARD SIZE	-		3" DEPTH IN PLANTING AREAS AS SPECIFIED													
	DARK BROWN COLOR	STANDARD SIZE	-		3" DEPTH IN PLANTING AREAS AS SPECIFIED													





City of Flagstaff Outdoor Lighting Permit

Date Received		Application for Outdoor Lighting Permit		Permit Number CC-21-01332
Type of Lighting Permit:		<input checked="" type="checkbox"/> Permanent	<input type="checkbox"/> Temporary	
Site Address (including suite #) 1895 N Jasper Dr		City, State, Zip Flagstaff, AZ 86001		
Property Owner CWRP Cedar Flagstaff MOB Owner, LLC		Phone 480-665-7906	Email janzalone@cypresswestpartners.com	
Mailing Address 30021 Thomas Rd		City, State, Zip Rancho Santa Margarita, CA		
Applicant(s) or Contractor(s) (if different from property owner)		Phone	Email	
Mailing Address		City, State, Zip		
Parcel Numbers(s) 101-46-012B		Parcel Zoning RD		

See Division 10-50.70 (Outdoor Lighting Standards) of the Zoning Code for City outdoor lighting standards.

Please contact the Planner of the Day if you have questions about this application. See <https://www.flagstaff.az.gov/150/Current-Planning> for more information.

<p>SITE INFORMATION (See City of Flagstaff Lighting Zones on p. 3 of this application for more information).</p> <p>Lighting Zone (1, 2, or 3) <u>2</u> Site size in acres (provide to two decimal points, such as 10.25) <u>2.62</u></p>	
<p>PURPOSE OF PROPOSED ILLUMINATION (See section 10-50.70.050.B: Lighting Classes for more information).</p> <p>Class 1 (White Light): Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Used where you need to see color, such as building entrances, signs, outdoor eating and sales areas, workshops, recreation/sports fields.</p> <p>Class 2 (General Illumination): Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Used for pedestrian walkways, driveways, roadways, parking lots, equipment yards, and general outdoor security.</p> <p>Class 3 (Decorative): Yes <input type="checkbox"/> No <input type="checkbox"/> Examples include architectural illumination, flag and monument lighting, landscape lighting.</p>	
<p>Your application must include all required components listed on p. 5. We do not accept incomplete applications. Please do not submit pages 5-8 (these are instructional/example pages).</p>	
<p>_____ (Initials) I hereby certify that the information set forth on this form is complete and accurate and do hereby agree to comply with all applicable codes of the City of Flagstaff and the State of Arizona and with any conditions attached hereto, and request that all pertinent City personnel access my property at any time deemed necessary to inspect work being done relating to this permit.</p>	
Applicant Signature:	Date:
For City Use	
Received By: 	Fee Receipt #:
Approval: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Staff Initial:  Date Approved: 6/22/21

MAXIMUM PERMITTED LUMENS WORKSHEET

1. Identify the Lighting Zone where your project is located. Refer to the Lighting Zone Map below or in Section 10-90.40.020 of the Zoning Code, or search by address in the GIS Mapping Portal <https://map-flagstaff.opendata.arcgis.com/> (go to the Flagstaff Zoning map).
2. Do the calculations for Step 1 below (multiply the maximum lumens permitted in your site's Lighting Zone by the net acres of your site). This is the maximum permitted lumens for your site if you are using no LED or NSALED lights on your site. Move to Step 2 if you are using LED or NSALED lights. See footnote 1 under the Lumen Calculations Table on p. 2 for more information lamp types.
3. Do the calculations for Step 2 below if you are using only LED or NSALED lights on your site. This is the maximum permitted lumens if you are using only LED or NSALED lights.
4. Do the calculations for Step 3 below if you are using LED, NSALED, and other types of lights. See the *Example Permit* on p. 7 of this application for more information.



Maximum Permitted TOTAL Lumens

Zone 1: 25,000 lumens/acre **Zone 2:** 50,000 lumens/acre **Zone 3:** 100,000 lumens/acre

- **Step 1:** Maximum permitted lumens/acre for your Zone 50000 x 4.771660 site acres = 238,500 maximum permitted lumens for the entire site (if using no LED or NSALED lights)
238,500
- **Step 2:** Input results from Step 1 above 238,500 ÷ 1.43 = 166,783 maximum permitted lumens for the entire site (if using only LED and/or NSALED lights)
162,937
- **Step 3:** Input results from Step 1 above _____ - proposed non-LED/non-NSALED lumens _____ = _____ ÷ 1.43 = _____ + desired non-LED lumens _____ = _____ maximum permitted lumens for the entire site (if using both LED/NSALED and other types of lights)

ATTACH LIGHTING PLAN AND MANUFACTURER'S CUTSHEETS

ON THE BACK OF THIS PAGE

LUMEN CALCULATIONS TABLE: AFTER LIGHTING MODIFICATIONS

Provide the required information in the table below (or in a separate table that matches the table below) for each outdoor lamp and fixture combination that will be on site after the outdoor lighting is updated. Do not include streetlights in public rights-of-way. Some columns will auto-calculate, others you will need to fill out yourself.

1	2	3	4	5	6	7	8	9	10	11	12
Lighting Plan Symbol	Number of Fixtures	Lamp Type ¹	Shielding ²	Lighting Class (1,2,3) ³	Watts per Lamp	Lumens Per Lamp	No. of lamps per fixture ⁴	Lumens per Fixture	Number of Recessed Fixtures ⁵	Lumen Reduction for Recessed Fixtures ⁶	Lumens Total ⁷
SA	10	NSALED	FS	2	175	5284	1	5284	0	0	52,840
SB	1	NSALED	FS	2	175	5284	2	10,568	0	0	10,568
SC	3	NSALED	FS	2	175	5395	1	5395	0	0	16,185
SD	1	NSALED	FS	2	175	5395	2	10,790	0	0	10,790
SF	22	LED	FS	1	8	664	1	664	22	-10,956	3652
SG	10	NSALED	FS	2	45	1224	1	1224	0	0	12,240
SH	9	NSALED	FS	2	45	1245	1	1245	0	0	11,205
SFA	4	LED	FS	1	8	664	1	664	0	0	2656

Total proposed lumens 120,136 ✓
 Total proposed Class 1 and Class 3 lumens⁹ 6308 ✓
 Total proposed partially-shielded lumens 0
 Total proposed non-LED and non-NSALED lumens¹² 0
 Maximum permitted total lumens⁸ ~~100,703~~ 162,937
 Max. permitted Class 1 and Class 3 lumens¹⁰ ~~16,678~~ 16,294
 Maximum permitted partially-shielded lumens¹¹ ~~0~~ 17,923
 Total proposed LED and NSALED lumens¹³ 120,136

¹ **Lamp Type.** Use the following abbreviations for lamp types:
 CFL for compact fluorescent IN for incandescent LED for light-emitting diode (white or warm white)
 FL for fluorescent LPS for low pressure sodium NSALED for narrow-spectrum amber LED
 HPS for high pressure sodium MH for metal halide

² **Shielding.** Use the following abbreviations: FS for fully-shielded; PS for partially-shielded. *Unshielded fixtures are not permitted.*

³ **Lighting Class.** Class 1 (White Light) is used to see color at building entrances, signs, outdoor eating and sales areas, workshops, recreation/sports fields, etc. Class 2 (General Illumination) is used for pedestrian walkways, driveways, roadways, parking lots, equipment yards, and general outdoor security. Low-pressure sodium (LPS) and narrow-spectrum amber LED (NSALED) lamps are used for Class 2 lighting. Class 3 (Decorative) includes architectural illumination, flag and monument lighting, landscape lighting.

⁴ **No. of Lamps per Fixture.** Put 1 for LEDs or NSALEDs that are integrated as part of the fixture.

⁵ **Number of Recessed Fixtures.** Applies only to fully-shielded fixtures at least 5-ft. (horizontally) from the nearest roof/canopy edge.

⁶ **Lumen Reduction for Recessed Fixtures.** Do the following calculation for fixtures recessed 5-9.99 feet.: (Column 9 x Column 10) x 0.75. Do the following calculation for fixtures recessed 10 or more feet: (Column 9 x Column 10) x 0.90.

⁷ **Lumens Total.** Do the following calculation: Column 2 x Column 9. For recessed fixtures only: (Column 2 x Column 9) – Column 11. See the *Example Permit* on p. 7 of this application for more information.

⁸ **Maximum permitted total lumens.** Input the results of the *Maximum Permitted Lumens Worksheet* on p. 3 of this application.

⁹ **Class 1 and Class 3 Lighting.** Includes CFL, FL, HPS, IN, and MH lamps listed in footnote 1 above. Class 1 and Class 3 lighting does not include Low-Pressure Sodium (LPS) or non-Narrow-Spectrum Amber LED (NSALED) lamps (these lamps are Class 2 lighting).

¹⁰ **Maximum permitted Class 1 and Class 3 Lighting** cannot exceed 10% of the total permitted lumens for the site.

¹¹ **Maximum partially-shielded lumens** cannot exceed the following in each zone. Zone 1: 0 lumens (partially-shielded lights are not permitted in Zone 1); Zone 2: 11% of total permitted lumens; Zone 3: 5.5% of total permitted lumens.

¹² **Total proposed non-LED and non-NSALED lumens:** Add the total lumens of all fixtures that *are not* LED or NSALED lights.

¹³ **Total proposed LED and NSALED lumens:** Add the total lumens of all fixtures that *are* LED or NSALED lights.

VIPER L

OPTICS

STRIKE

LARGE VIPER LUMINAIRE

Cat.# VPL-96L-170-AM-4F-X-UNV-XXX

Job
CEDAR MEDICAL

Type
"SA"



Approvals

SPECIFICATIONS

Intended Use:

The Beacon Viper luminaire is available in two sizes with a wide choice of different LED wattage configurations and optical distributions designed to replace HID lighting up to 1000W MH or HPS. Luminaires are suitable for wet locations.

Construction:

- Manufactured with die cast aluminum.
- Coated with a polyester finish that meets ASTM B117 corrosion test requirements and ASTM D522 cracking and loss of adhesion test requirements.
- External hardware is corrosion resistant.
- One piece optical cartridge system consisting of an LED engine, LED lamps, optics, gasket and stainless steel bezel.
- Cartridge is held together with internal brass standoffs soldered to the board so that it can be field replaced as a one piece optical system.
- Two-piece silicone and microcellular polyurethane foam gasket ensures a weather-proof seal around each individual optic.

Electrical:

- Luminaire accepts 100V through 277V, 50 Hz to 60 Hz (UNV), 347V, or 480V input.
- Power factor is $\geq .90$ at full load.
- Dimming drivers are standard, but CD must be selected in options to obtain external wiring leads for dimming controls
- Component-to-component wiring within the luminaire may carry no more than 80% of rated load and is certified by UL for use at 600VAC at 90°C or higher.
- Plug disconnects are certified by UL for use at 600 VAC, 13A or higher. 13A rating applies to primary (AC) side only.
- Fixture electrical compartment shall contain all LED driver components
- Optional 7-pin ANSI C136.41-2013 twist-lock photo control receptacle available. Compatible with ANSI C136.41 external wireless control devices.
- Ambient operating temperature -40°C to 40°C
- Surge protection - 20kA.
- Lifeshield™ Circuit - protects luminaire from excessive temperature. The device shall activate at a specific, factory-preset temperature, and progressively reduce power over a finite temperature range. Operation shall be smooth and undetectable to the eye. Thermal circuit is designed to "fail on", allowing the luminaire to revert to full power in the event of an interruption of its power supply, or faulty wiring connection to the drivers. The device shall be able to co-exist with other 0-10V control devices (occupancy sensors, external dimmers, etc.).

Installation:

- Mounting options for horizontal arm, vertical tenon or traditional arm mounting available. Mounting hardware included.

Finish:

- IFS polyester powder-coat electrostatically applied and thermocured. IFS finish consists of a five stage pretreatment regimen with a polymer primer sealer and top coated with a thermoset super TGIC polyester powder coat finish.
- The finish meets the AAMA 2604 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance and resists cracking or loss of adhesion per ASTM D522 and resists surface impacts of up to 160 inch-pounds.

Certifications/Ratings:

- Certified to UL 1598, UL 8750, and CSA C22.2
- 3G rated for ANSI C136.31 high vibration applications with MAF mounting
- IDA approved
- This product is approved by the Florida Fish and Wildlife Conservation Commission.

Warranty:

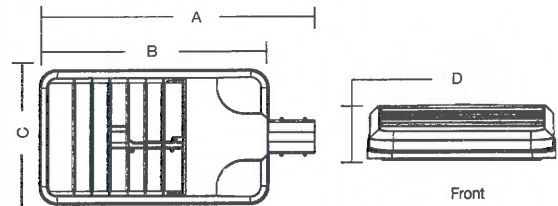
Five year limited warranty for more information visit:
www.hubbelling.com/resources/warranty

PRODUCT IMAGE(S)

Turtle Friendly

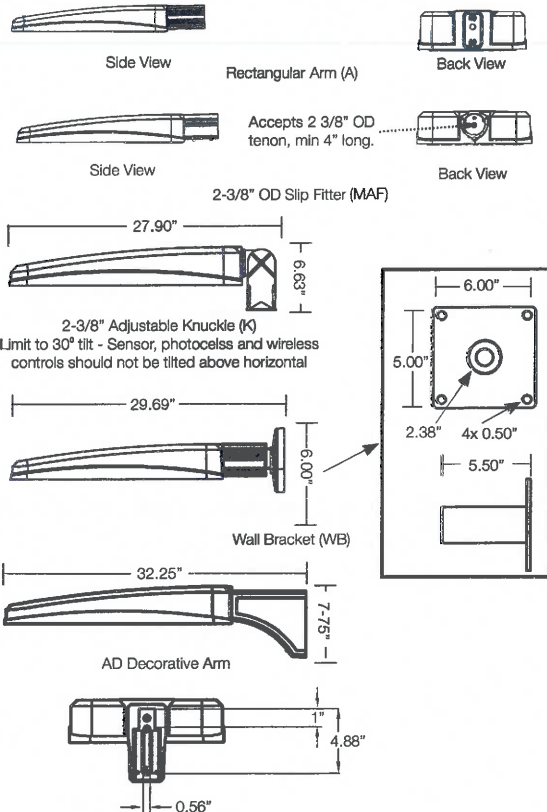


DIMENSIONS



A	B	C	D	Weight:	EPA
29.9"	24.19"	14.25"	4.13"	25.0 lbs	1.2 ft ²
(741 mm)	(614 mm)	(362 mm)	(105 mm)	(11.3 kg)	

MOUNTING OPTIONS



CERTIFICATIONS/LISTINGS



*3000K and warmer CCTs only



Beacon Products • 2041 58th Avenue Circle East Bradenton, FL 34203 • Phone: 864-678-1000
Due to our continued efforts to improve our products, product specifications are subject to change without notice.



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ORDERING INFORMATION ORDERING EXAMPLE: VPL/96L-170/AM/4W/UNV/A/DBT/7PR-TL/GENI-04/BC

SERIES	LED ENGINE	CCT	ROTATION	VOLTAGE	COLOR	OPTIONS
VPL Viper	64L-115 115 W LED array 80L-140 140W LED array 96L-170 170W LED array	AM Amber	Leave blank for no rotation L ¹ Optic rotation left R ¹ Optic rotation right	UNV 120-277V 120 120V 208 208V 240 240V 277 277V 347 347V 480 480V	BLT Black Matte Textured BLS Black Gloss Smooth DBT Dark Bronze Matte Textured DBS Dark Bronze Gloss Smooth GTT Graphite Matte Textured LGS Light Grey Gloss Smooth PSS Platinum Silver Smooth WHT White Matte Textured WHS White Gloss Smooth VGT Verde Green Textured	CD Continuous Dimming F Fusing BSP Bird Spikes BC Backshield (available for FR, 2, 3, 4, 4W Optics) TB Terminal Block
DISTRIBUTION						
FR Type 1/Front Row						
2 Type 2						
3 Type 3						
4F (formerly 4) Type 4						
4W Type 4 Wide						
5QM Type 5QM						
5QN Type 5QN						
5R Type 5R (rectangular)						
5W Type 5W (round wide)						
TC Tennis Court						
COLOR OPTION						
CC Custom Color						
MOUNTING						
A Rectangular Arm (formerly RA) for square or round pole						
MAF Mast Arm Fitter (formerly SF2) for 2-3/8" OD horizontal arm						
K Knuckle (formerly PK2) limit to 30° tilt or 2-3/8" OD horizontal arm or vertical tenon						
WB Wall Bracket						
AD Universal Arm for square pole						
AD3 Universal Arm for 2.4"-4.1" round pole						
AD4 Universal Arm for 4.2"-5.3" round pole						
AD5 Universal Arm for 5.5"-5.9" round pole						
AD6 Universal Arm for 6.0"-6.5" round pole						
CONTROL OPTIONS						
7PR 7-Pin Receptacle only (shorting cap, photo control, or wireless control provided by others)						
PCR-SC 7-Pin Receptacle w/Shorting Cap						
PCR-TL 7-Pin Receptacle w/Twist Lock photo control						

HOUSE SIDE SHIELD ACCESSORIES

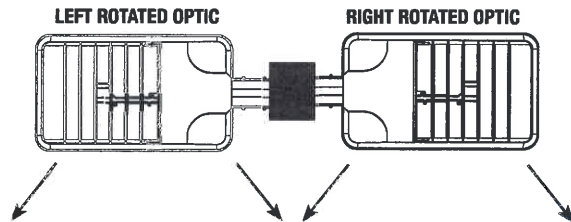
- HSS/EVP-L/90-FB/XXX 90° shield front or back
- HSS/EVP-L/90-LR/XXX 90° shield left or right
- HSS/EVP-L/270-FB/XXX 270° shield front or back
- HSS/EVP-L/270-LR/XXX 270° shield left or right
- HSS/EVP-L/360/XXX Full shield

(Replace XXX with notation for desired finish color)
(Refer to page 5 for shield images)

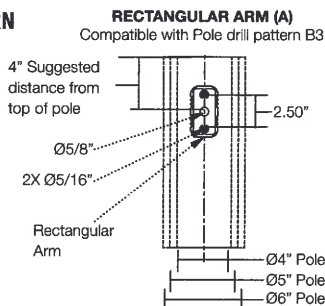
MOUNTING ACCESSORIES

- VPL-AD-RPA3 2.4"-4.1" Round Pole Adapter for AD arm
- VPL-AD-RPA4 4.2"-5.3" Round Pole Adapter for AD arm
- VPL-AD-RPA5 5.5"-5.9" Round Pole Adapter for AD arm
- VPL-AD-RPA6 6.0"-6.5" Round Pole Adapter for AD arm

¹ Only available with FR, 2, 3, 4, 4W and 5R distributions



DRILL PATTERN



VIPER L

OPTICS

STRIKE

LARGE VIPER LUMINAIRE

Cat.# VPL-96L-170-AM-4F-X-UNV-XXX

Job
CEDAR MEDICAL

Type
"SB"



Approvals

SPECIFICATIONS

Intended Use:

The Beacon Viper luminaire is available in two sizes with a wide choice of different LED wattage configurations and optical distributions designed to replace HID lighting up to 1000W MH or HPS. Luminaires are suitable for wet locations.

Construction:

- Manufactured with die cast aluminum.
- Coated with a polyester finish that meets ASTM B117 corrosion test requirements and ASTM D522 cracking and loss of adhesion test requirements.
- External hardware is corrosion resistant.
- One piece optical cartridge system consisting of an LED engine, LED lamps, optics, gasket and stainless steel bezel.
- Cartridge is held together with internal brass standoffs soldered to the board so that it can be field replaced as a one piece optical system.
- Two-piece silicone and microcellular polyurethane foam gasket ensures a weather-proof seal around each individual optic.

Electrical:

- Luminaire accepts 100V through 277V, 50 Hz to 60 Hz (UNV), 347V, or 480V input.
- Power factor is $\geq .90$ at full load.
- Dimming drivers are standard, but CD must be selected in options to obtain external wiring leads for dimming controls
- Component-to-component wiring within the luminaire may carry no more than 80% of rated load and is certified by UL for use at 600VAC at 90°C or higher.
- Plug disconnects are certified by UL for use at 600 VAC, 13A or higher. 13A rating applies to primary (AC) side only.
- Fixture electrical compartment shall contain all LED driver components
- Optional 7-pin ANSI C136.41-2013 twist-lock photo control receptacle available. Compatible with ANSI C136.41 external wireless control devices.
- Ambient operating temperature -40°C to 40°C
- Surge protection - 20kA.
- Lifeshield™ Circuit - protects luminaire from excessive temperature. The device shall activate at a specific, factory-preset temperature, and progressively reduce power over a finite temperature range. Operation shall be smooth and undetectable to the eye. Thermal circuit is designed to "fail on", allowing the luminaire to revert to full power in the event of an interruption of its power supply, or faulty wiring connection to the drivers. The device shall be able to co-exist with other 0-10V control devices (occupancy sensors, external dimmers, etc.).

Installation:

- Mounting options for horizontal arm, vertical tenon or traditional arm mounting available. Mounting hardware included.

Finish:

- IFS polyester powder-coat electrostatically applied and thermocured. IFS finish consists of a five stage pretreatment regimen with a polymer primer sealer and top coated with a thermoset super TGIC polyester powder coat finish.
- The finish meets the AAMA 2604 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance and resists cracking or loss of adhesion per ASTM D522 and resists surface impacts of up to 160 inch-pounds.

Certifications/Ratings:

- Certified to UL 1598, UL 8750, and CSA C22.2.
- 3G rated for ANSI C136.31 high vibration applications with MAF mounting
- IDA approved
- This product is approved by the Florida Fish and Wildlife Conservation Commission.

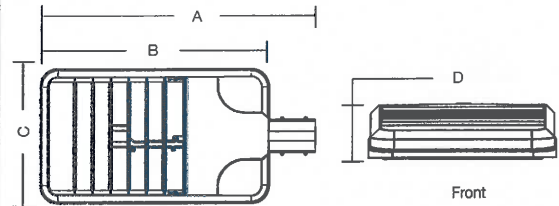
Warranty:

Five year limited warranty for more information visit: www.hubbelling.com/resources/warranty

PRODUCT IMAGE(S)

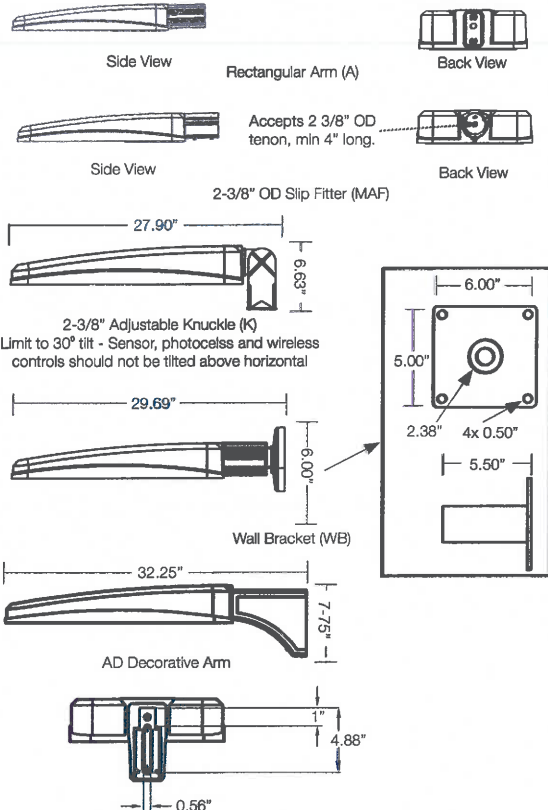


DIMENSIONS



A	B	C	D	Weight:	EPA
29.9"	24.19"	14.25"	4.13"	25.0 lbs	1.2 ft ²
(741 mm)	(614 mm)	(362 mm)	(105 mm)	(11.3 kg)	

MOUNTING OPTIONS



CERTIFICATIONS/LISTINGS



*3000K and warmer CCTs only

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ORDERING INFORMATION ORDERING EXAMPLE: VPL/96L-170/AM/4W/UNV/A/DBT/7PR-TL/GENI-04/BC

SERIES	LED ENGINE	CCT	ROTATION	VOLTAGE	COLOR	OPTIONS
VPL Viper	64L-115 115 W LED array 80L-140 140W LED array 96L-170 170W LED array	AM Amber	Leave blank for no rotation L ¹ Optic rotation left R ¹ Optic rotation right	UNV 120-277V 120 120V 208 208V 240 240V 277 277V 347 347V 480 480V	BLT Black Matte Textured BLS Black Gloss Smooth DBT Dark Bronze Matte Textured DBS Dark Bronze Gloss Smooth GTT Graphite Matte Textured LGS Light Grey Gloss Smooth PSS Platinum Silver Smooth WHT White Matte Textured WHS White Gloss Smooth VGT Verde Green Textured	CD Continuous Dimming F Fusing BSP Bird Spikes BC Backshield (available for FR, 2, 3, 4, 4W Optics) TB Terminal Block

DISTRIBUTION

- FR Type 1/Front Row
- 2 Type 2
- 3 Type 3
- 4F (formerly 4) Type 4**
- 4W Type 4 Wide
- 5QM Type 5QM
- 5QN Type 5QN
- 5R Type 5R (rectangular)
- 5W Type 5W (round wide)
- TC Tennis Court

COLOR OPTION

- CC Custom Color

MOUNTING

- A** Rectangular Arm (formerly RA) for square or round pole
- MAF** Mast Arm Fitter (formerly SF2) for 2-3/8" OD horizontal arm
- K** Knuckle (formerly PK2) limit to 30° tilt or 2-3/8" OD horizontal arm or vertical tenon
- WB** Wall Bracket
- AD** Universal Arm for square pole
- AD3** Universal Arm for 2.4"-4.1" round pole
- AD4** Universal Arm for 4.2"-5.3" round pole
- AD5** Universal Arm for 5.5"-5.9" round pole
- AD6** Universal Arm for 6.0"-6.5" round pole

CONTROL OPTIONS

- 7PR** 7-Pin Receptacle only (shorting cap, photo control, or wireless control provided by others)
- PCR-SC** 7-Pin Receptacle w/Shorting Cap
- PCR-TL** 7-Pin Receptacle w/Twist Lock photo control

HOUSE SIDE SHIELD ACCESSORIES

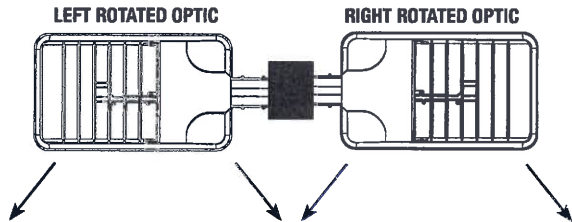
- HSS/EVP-L/90-FB/XXX** 90° shield front or back
- HSS/EVP-L/90-LR/XXX** 90° shield left or right
- HSS/EVP-L/270-FB/XXX** 270° shield front or back
- HSS/EVP-L/270-LR/XXX** 270° shield left or right
- HSS/EVP-L/360/XXX** Full shield

(Replace XXX with notation for desired finish color)
(Refer to page 5 for shield images)

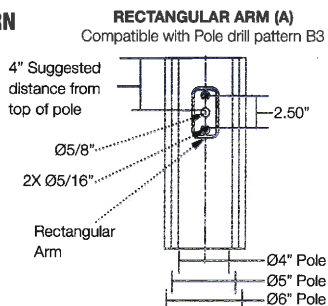
MOUNTING ACCESSORIES

- VPL-AD-RPA3** 2.4"-4.1" Round Pole Adapter for AD arm
- VPL-AD-RPA4** 4.2"-5.3" Round Pole Adapter for AD arm
- VPL-AD-RPA5** 5.5"-5.9" Round Pole Adapter for AD arm
- VPL-AD-RPA6** 6.0"-6.5" Round Pole Adapter for AD arm

¹ Only available with FR, 2, 3, 4, 4W and 5R distributions



DRILL PATTERN



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VIPER L

OPTICS

STRIKE

LARGE VIPER LUMINAIRE

Cat.# VPL-96L-170-AM-3F-X-UNV-XXX

Job
CEDAR MEDICAL

Type
"SC"



Approvals

SPECIFICATIONS

Intended Use:

The Beacon Viper luminaire is available in two sizes with a wide choice of different LED wattage configurations and optical distributions designed to replace HID lighting up to 1000W MH or HPS. Luminaires are suitable for wet locations.

Construction:

- Manufactured with die cast aluminum.
- Coated with a polyester finish that meets ASTM B117 corrosion test requirements and ASTM D522 cracking and loss of adhesion test requirements.
- External hardware is corrosion resistant.
- One piece optical cartridge system consisting of an LED engine, LED lamps, optics, gasket and stainless steel bezel.
- Cartridge is held together with internal brass standoffs soldered to the board so that it can be field replaced as a one piece optical system.
- Two-piece silicone and microcellular polyurethane foam gasket ensures a weather-proof seal around each individual optic.

Electrical:

- Luminaire accepts 100V through 277V, 50 Hz to 60 Hz (UNV), 347V, or 480V input.
- Power factor is $\geq .90$ at full load.
- Dimming drivers are standard, but CD must be selected in options to obtain external wiring leads for dimming controls
- Component-to-component wiring within the luminaire may carry no more than 80% of rated load and is certified by UL for use at 600VAC at 90°C or higher.
- Plug disconnects are certified by UL for use at 600 VAC, 13A or higher. 13A rating applies to primary (AC) side only.
- Fixture electrical compartment shall contain all LED driver components
- Optional 7-pin ANSI C136.41-2013 twist-lock photo control receptacle available. Compatible with ANSI C136.41 external wireless control devices.
- Ambient operating temperature -40°C to 40°C
- Surge protection - 20kA.
- Lifeshield™ Circuit - protects luminaire from excessive temperature. The device shall activate at a specific, factory-preset temperature, and progressively reduce power over a finite temperature range. Operation shall be smooth and undetectable to the eye. Thermal circuit is designed to "fail on", allowing the luminaire to revert to full power in the event of an interruption of its power supply, or faulty wiring connection to the drivers. The device shall be able to co-exist with other 0-10V control devices (occupancy sensors, external dimmers, etc.).

Installation:

- Mounting options for horizontal arm, vertical tenon or traditional arm mounting available. Mounting hardware included.

Finish:

- IFS polyester powder-coat electrostatically applied and thermocured. IFS finish consists of a five stage pretreatment regimen with a polymer primer sealer and top coated with a thermoset super TGIC polyester powder coat finish.
- The finish meets the AAMA 2604 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance and resists cracking or loss of adhesion per ASTM D522 and resists surface impacts of up to 160 inch-pounds.

Certifications/Ratings:

- Certified to UL 1598, UL 8750, and CSA C22.2
- 3G rated for ANSI C136.31 high vibration applications with MAF mounting
- IDA approved
- This product is approved by the Florida Fish and Wildlife Conservation Commission.

Warranty:

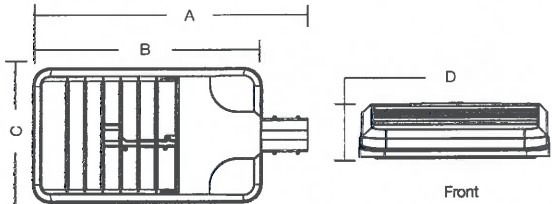
Five year limited warranty for more information visit: www.hubbellighting.com/resources/warranty

PRODUCT IMAGE(S)

Turtle Friendly

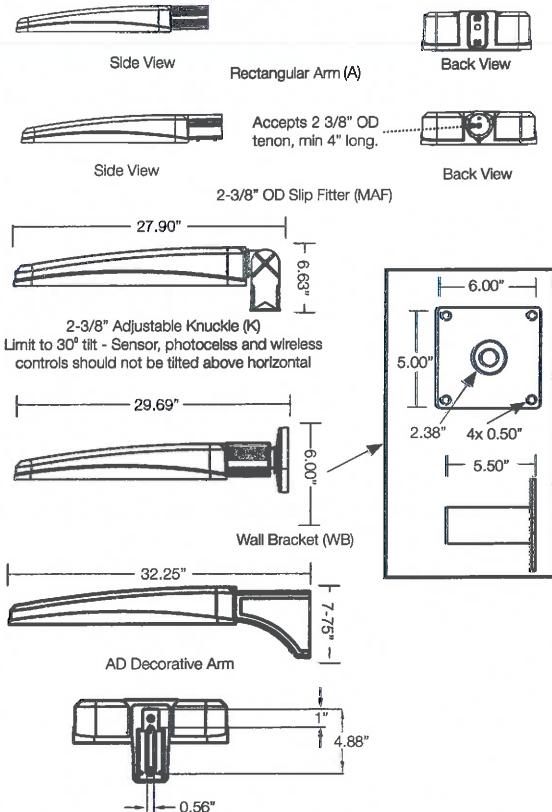


DIMENSIONS



A	B	C	D	Weight:	EPA
29.9"	24.19"	14.25"	4.13"	25.0 lbs	1.2 ft ²
(741 mm)	(614 mm)	(362 mm)	(105 mm)	(11.3 kg)	

MOUNTING OPTIONS



CERTIFICATIONS/LISTINGS



*3000K and warmer CCTs only

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DISTRIBUTION

- FR Type 1/Front Row
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- 4F (formerly 4) Type 4
- 4W Type 4 Wide
- 5QM Type 5QM
- 5QN Type 5QN
- 5R Type 5R (rectangular)
- 5W Type 5W (round wide)
- TC Tennis Court

HOUSE SIDE SHIELD ACCESSORIES

- HSS/EVP-L/90-FB/XXX 90° shield front or back
- HSS/EVP-L/90-LR/XXX 90° shield left or right
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(Replace XXX with notation for desired finish color)
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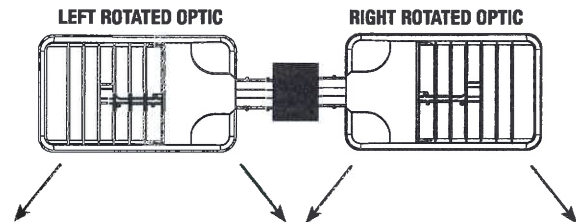
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MOUNTING

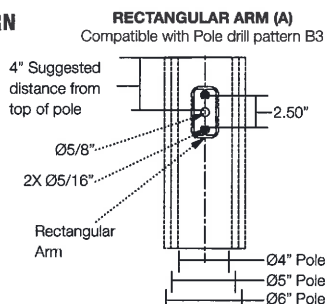
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DRILL PATTERN



VIPER L

OPTICS

STRIKE

LARGE VIPER LUMINAIRE

Cat.# VPL-96L-170-AM-3F-X-UNV-XXX

Job
CEDAR MEDICAL

Type
"SD"



Approvals

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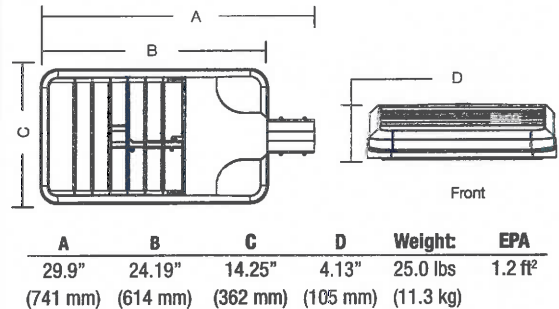
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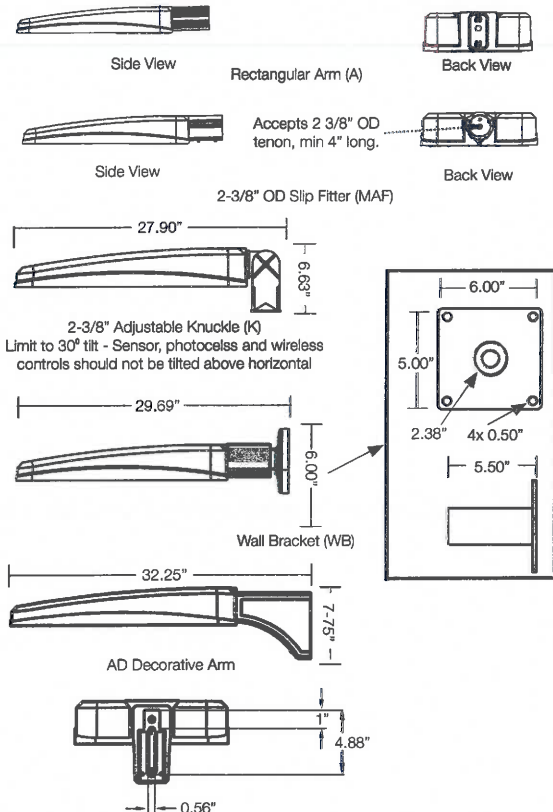
PRODUCT IMAGE(S)



DIMENSIONS



MOUNTING OPTIONS



CERTIFICATIONS/LISTINGS



*3000K and warmer CCTs only



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DISTRIBUTION

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- 3 Type 3
- 4F (formerly 4) Type 4
- 4W Type 4 Wide
- 5QM Type 5QM
- 5QN Type 5QN
- 5R Type 5R (rectangular)
- 5W Type 5W (round wide)
- TC Tennis Court

COLOR OPTION

- CC Custom Color

MOUNTING

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HOUSE SIDE SHIELD ACCESSORIES

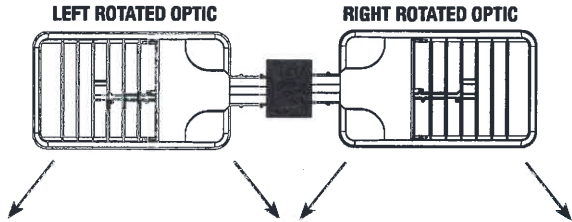
- HSS/EVP-L/90-FB/XXX 90° shield front or back
- HSS/EVP-L/90-LR/XXX 90° shield left or right
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(Replace XXX with notation for desired finish color)
(Refer to page 5 for shield images)

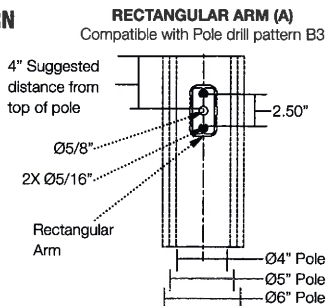
MOUNTING ACCESSORIES

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¹ Only available with FR, 2, 3, 4, 4W and 5R distributions



DRILL PATTERN



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PERFORMANCE DATA

# LED'S	DRIVE CURRENT	SYSTEM WATTS	DISTRIBUTION TYPE	AMB amber 590nm (std.)				
				LUMENS	LPW ¹	B	U	G
64	700mA	115W	FR	3731	32	1	0	0
			2	3528	31	1	0	1
			3	3534	31	1	0	1
			4	3454	30	0	0	1
			4W	3409	30	1	0	2
			5QM	3534	31	2	0	0
			5QN	3691	32	2	0	0
			5R	3565	31	2	0	2
80	700mA	140W	5W	3379	29	2	0	1
			FR	4757	34	1	0	1
			2	4498	32	1	0	1
			3	4506	32	1	0	1
			4	4403	31	1	0	2
			4W	4262	30	1	0	2
			5QM	4506	32	2	0	1
			5QN	4706	34	1	0	0
96	700mA	170W	5R	4546	32	2	0	2
			5W	4308	31	3	0	1
			FR	5709	33	1	0	1
			2	5400	30	1	0	1
			3	5407	31	1	1	3
			4	5284	30	1	0	2
			4W	5147	30	1	0	2
			5QM	5408	31	2	0	1

# LED'S	DRIVE CURRENT	SYSTEM WATTS	DISTRIBUTION TYPE	AMB amber 590nm (std.)				
				LUMENS	LPW ¹	B	U	G
64	700mA	115W	FR-BC	2996	26	0	0	0
			2-BC	2614	23	0	0	1
			3-BC	2499	22	0	0	1
			4-BC	2730	24	0	0	1
			4W-BC	2140	19	0	0	1
80	700mA	140W	FR-BC	3820	27	1	0	0
			2-BC	3268	23	0	0	1
			3-BC	3124	22	0	0	1
			4-BC	3413	24	0	0	1
96	700mA	170W	4W-BC	2728	19	0	0	1
			FR-BC	4584	26	1	0	0
			2-BC	3921	22	0	0	1
			3-BC	3749	21	0	0	1
			4-BC	4095	23	0	0	1

¹ Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.
² 315W and 395W 3000K versions are not DLC QPL listed. Reference highlighted cells in table.

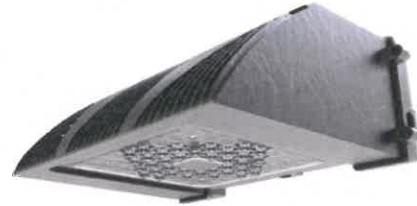


TRAVERSE

SURFACE/CEILING/GARAGE

FEATURES

- Wall surface mounted luminaire with a field replaceable LED light engine & optical bezel system
- Optional passive infrared (PIR) motion sensor
- Horizontal opening motion allows for minimal effort during installation, maintenance, or upgrading
- LED wattages from 45-105Watt. Available in 45W, 60W & 150W lumen packages
- Easy and fast mounting. Simply mount the backplate to wall and attach front on hinges to close



*3000K and warmer CCTs only

CONTROL TECHNOLOGY



SPECIFICATIONS

CONSTRUCTION

- Traverse luminaire consists of a die cast aluminum two-piece housing
- Die cast main (thermal) housing provides direct heat exchange between the LED light engine and the cool outdoor
- LED drivers are thermally isolated from the main housing, mechanically attached and heat sunk to the rear housing
- Shape of the main housing is designed to prevent debris accumulation and as a bird nesting deterrent. The back and main housings are designed to hinge open for easy mounting and easy access
- IFS polyester powder-coat electrostatically applied and thermocured
- IFS finish consists of a five stage iron phosphate chemical pretreatment regimen with a polymer primer sealer, oven dry off, and top coated with a thermoset super TGIC polyester powder coat finish
- The finish meets the AAMA 2604 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance and resists cracking or loss of adhesion per ASTM D522 and resists surface impacts of up to 160 inch-pounds

OPTICS

- Optical one piece cartridge system consisting of an LED engine, optics, gasket and stainless steel bezel
- Cartridge is held together with internal brass standoffs soldered to the board so that it can be field replaced as a one piece optical system
- Optics are held in place without the use of adhesives
- Cartridge assembly is available in various lighting distributions using TIR designed acrylic optical lenses over each LED

ELECTRICAL

- 100V through 277V, 347V and 480V, 50 Hz to 60 Hz
- Dimming drivers are standard, but must contact factory to request wiring leads for purpose of external dimming controls
- Component-to-component wiring within the luminaire may carry no more than 80% of rated load and is certified by UL for use at 600 VAC at 50°C or higher
- Plug disconnects are certified by UL for use at 600 VAC, 13A or higher. 13A rating applies to primary (AC) side only
- Surge protection - 20kA

RELATED PRODUCTS

 [Cruzer](#)

INSTALLATION

- Rear housing (back plate) is designed with various bolt patterns for direct wall mounting or mounting to a recessed junction box
- Rear housing has three integral 3/4" NPT power feed locations (bottom and each side) for surface mounted conduit applications
- After mounting the rear housing to the wall or junction box, the main housing is designed to attach and hinge closed after connecting the male and female quick connectors
- Mounting design permits a **simple retrofit** to existing wall luminaires that utilize or recessed junction boxes

CERTIFICATIONS

- UL Listed, Suitable for wet locations (standard)
- IDA approved

WARRANTY

- 5 year warranty
- See [HLI Standard Warranty](#) for additional information

KEY DATA	
Lumen Range	1200-3200
Wattage Range	45-105
Efficacy Range (LPW)	27-30



TRAVERSE

SURFACE/CEILING/GARAGE

DATE: _____ LOCATION: _____

TYPE: _____ PROJECT: _____

CATALOG #: _____

ORDERING GUIDE

Example: TRV-D-24L-45-AM-3-UNV-PCU-DBT

CATALOG # _____

Series	Engine Watts	CCT/CRI	Optics	Voltage	Electrical Options	Finish
TRV-D Traverse Down Light	24L-45 45 Watt - LED array	AM Amber RO Red Orange	2 Type II 3 Type III 4 Type IV 5R Type V, rectangular 5W Type V, Wide	UNV 120-277V 347 347V 480 480V	PCU Button Photocell, Universal MOB Motion Sensor 33% or 50% dimming+	BLT Black Matte Textured BLS Black Gloss Smooth DBT Dark Bronze Matte Textured DBS Dark Bronze Gloss Smooth GTT Graphite Matte Textured LGS Light Grey Gloss Smooth PSS Platinum Silver Smooth WHT White Matte Textured WHS White Gloss Smooth VGT Verde Green Textured Color Option CC Custom Color
TRV-U Traverse Up Light (lens req)	36L-65 65 Watts - LED array 48L-85 85 Watts - LED array 60L-105 105 Watts - LED array					

Turtle Friendly

Accessories

- SWUSB¹** SiteSync Interface software loaded on USB flash drive for use with owner supplied PC (Windows based only). Includes SiteSync license, software and USB radio bridge node¹
- SWTAB¹** Windows tablet and SiteSync interface software. Includes tablet with preloaded software, SiteSync license and USB radio bridge node¹
- SWBRG²** SiteSync USB radio bridge node only. Order if a replacement is required or if an extra bridge node is requested²

¹When ordering with SiteSync, one of these interface options must be chosen and ordered separately. Each option contains the SiteSync License, GUI and Bridge Node

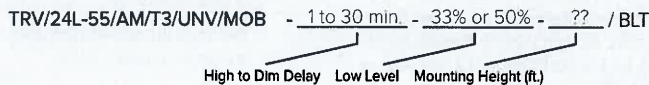
² If needed, an additional Bridge Node can be ordered

PRECOMMISSIONED SITESYNC ORDERING INFORMATION: When ordering a fixture with the SiteSync lighting control option, additional information will be required to complete the order. The SiteSync Commissioning Form or alternate schedule information must be completed. This form includes Project location, Group information, and Operating schedules. For more detailed information please visit www.hubbellighting.com/products/sitesync/ or contact Hubbell Lighting tech support at 864-679-1000.

SiteSync fixtures with occupancy sensor (SWPM) require the mounting height of the fixture for selection of the lens.

Examples: TRV-D-24L-45-AM-3-UNV-SWP-BLT SiteSync only
 TRV-D-24L-55-AM-T3-UNV-SWPM-20F-BLT SiteSync with Occupancy Sensor

MOB ORDERING INFORMATION: When ordering a fixture with a dimming occupancy sensor (MOB), please specify the appropriate information. These settings are specified in the ordering as shown in the example below.



TRAVERSE

SURFACE/CEILING/GARAGE

FEATURES

- Wall surface mounted luminaire with a field replaceable LED light engine & optical bezel system
- Optional passive infrared (PIR) motion sensor
- Horizontal opening motion allows for minimal effort during installation, maintenance, or upgrading
- LED wattages from 45-105Watt. Available in 45W, 60W & 150W lumen packages
- Easy and fast mounting. Simply mount the backplate to wall and attach front on hinges to close



*3000K and warmer CCTs only

CONTROL TECHNOLOGY



SPECIFICATIONS

CONSTRUCTION

- Traverse luminaire consists of a die cast aluminum two-piece housing
- Die cast main (thermal) housing provides direct heat exchange between the LED light engine and the cool outdoor
- LED drivers are thermally isolated from the main housing, mechanically attached and heat sunked to the rear housing
- Shape of the main housing is designed to prevent debris accumulation and as a bird nesting deterrent. The back and main housings are designed to hinge open for easy mounting and easy access
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- IFS finish consists of a five stage iron phosphate chemical pretreatment regimen with a polymer primer sealer, oven dry off, and top coated with a thermoset super TGIC polyester powder coat finish
- The finish meets the AAMA 2604 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance and resists cracking or loss of adhesion per ASTM D522 and resists surface impacts of up to 160 inch-pounds

OPTICS

- Optical one piece cartridge system consisting of an LED engine, optics, gasket and stainless steel bezel
- Cartridge is held together with internal brass standoffs soldered to the board so that it can be field replaced as a one piece optical system
- Optics are held in place without the use of adhesives
- Cartridge assembly is available in various lighting distributions using TIR designed acrylic optical lenses over each LED

ELECTRICAL

- 100V through 277V, 347V and 480V, 50 Hz to 60 Hz
- Dimming drivers are standard, but must contact factory to request wiring leads for purpose of external dimming controls
- Component-to-component wiring within the luminaire may carry no more than 80% of rated load and is certified by UL for use at 600 VAC at 50°C or higher
- Plug disconnects are certified by UL for use at 600 VAC, 13A or higher. 13A rating applies to primary (AC) side only
- Surge protection - 20kA

RELATED PRODUCTS

 [Cruzer](#)

INSTALLATION

- Rear housing (back plate) is designed with various bolt patterns for direct wall mounting or mounting to a recessed junction box
- Rear housing has three integral 3/4" NPT power feed locations (bottom and each side) for surface mounted conduit applications
- After mounting the rear housing to the wall or junction box, the main housing is designed to attach and hinge closed after connecting the male and female quick connectors
- Mounting design permits a simple retrofit to existing wall luminaires that utilize or recessed junction boxes

CERTIFICATIONS

- UL Listed, Suitable for wet locations (standard)
- IDA approved

WARRANTY

- 5 year warranty
- See [HLI Standard Warranty](#) for additional information

KEY DATA	
Lumen Range	1200–3200
Wattage Range	45–105
Efficacy Range (LPW)	27–30



TRAVERSE

SURFACE/CEILING/GARAGE

DATE: _____ LOCATION: _____

TYPE: _____ PROJECT: _____

CATALOG #: _____

ORDERING GUIDE

Example: TRV-D-24L-45-AM-3-UNV-PCU-DBT

CATALOG # _____

Series	Engine Watts	CCT/CRI	Optics	Voltage	Electrical Options	Finish
TRV-D Traverse Down Light	24L-45 45 Watt - LED array	AM Amber	2 Type II	UNV 120-277V	PCU Button Photocell, Universal	BLT Black Matte Textured
	36L-65 65 Watts - LED array	RO Red Orange	3 Type III	347 347V		BLS Black Gloss Smooth
TRV-U Traverse Up Light (lens req.)	48L-85 85 Watts - LED array		4 Type IV	480 480V	MOB Motion Sensor 33% or 50% dimming ¹	DBT Dark Bronze Matte Textured
	60L-105 105 Watts - LED array		5R Type V, rectangular			DBS Dark Brone Gloss Smooth
			5W Type V, Wide			GTT Graphite Matte Textured
						LGS Light Grey Gloss Smooth
						PSS Platinum Silver Smooth
						WHT White Matte Textured
						WHS White Gloss Smooth
						VGT Verde Green Textured
						Color Option
						CC Custom Color

Accessories

- SWUSB¹** SiteSync interface software loaded on USB flash drive for use with owner supplied PC (Windows based only). Includes SiteSync license, software and USB radio bridge node¹
- SWTAB¹** Windows tablet and SiteSync interface software. Includes tablet with preloaded software, SiteSync license and USB radio bridge node¹
- SWBRG²** SiteSync USB radio bridge node only. Order if a replacement is required or if an extra bridge node is requested²

¹ When ordering with SiteSync, one of these interface options must be chosen and ordered separately. Each option contains the SiteSync License, GUI and Bridge Node

² If needed, an additional Bridge Node can be ordered

PRECOMMISSIONED SITESYNC ORDERING INFORMATION: When ordering a fixture with the SiteSync lighting control option, additional information will be required to complete the order. The SiteSync Commissioning Form or alternate schedule information must be completed. This form includes Project location, Group information, and Operating schedules. For more detailed information please visit www.hubbellighting.com/products/sitesync/ or contact Hubbell Lighting tech support at 864-679-1000.

SiteSync fixtures with occupancy sensor (SWPM) require the mounting height of the fixture for selection of the lens.

Examples: TRV-D-24L-45-AM-3-UNV-SWP-BLT SiteSync only
 TRV-D-24L-55-AM-T3-UNV-SWPM-20F-BLT SiteSync with Occupancy Sensor

MOB ORDERING INFORMATION: When ordering a fixture with a dimming occupancy sensor (MOB), please specify the appropriate information. These settings are specified in the ordering as shown in the example below.

TRV/24L-55/AM/T3/UNV/MOB - 1 to 30 min - 33% or 50% - ?? / BLT

High to Dim Delay Low Level Mounting Height (ft.)

Turtle Friendly

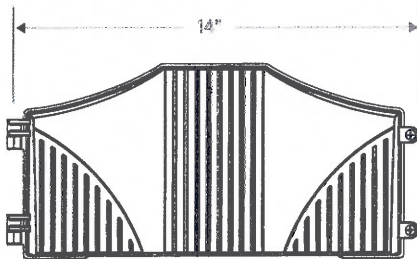
TRAVERSE

SURFACE/CEILING/GARAGE

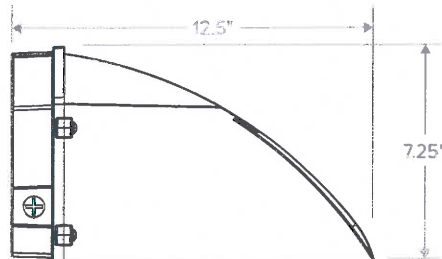
PERFORMANCE DATA

# LED'S	DRIVE CURRENT	SYSTEM WATTS 120-277V	DISTRIBUTION TYPE	AMBER (1400K)				
				LUMENS	LPW	B	U	G
24	700mA	45W	2	1269	28	0	0	0
			3	1245	28	0	0	1
			4	1224	27	0	0	1
			4W	1198	27	0	0	1
			5R	1255	28	1	0	1
			5W	1340	30	1	0	0
36	700mA	65W	2	1904	29	0	0	0
			3	1868	29	0	0	1
			4	1836	28	0	0	1
			4W	1796	28	0	0	1
			5R	1883	29	1	0	1
			5W	1834	28	1	0	1
48	700mA	85W	2	2539	30	1	0	1
			3	2490	29	1	0	1
			4	2449	29	0	0	1
			4W	2395	28	0	0	1
			5R	2510	30	1	0	1
			5W	2446	29	2	0	1
60	700mA	105W	2	3173	30	1	0	1
			3	3111	28	1	0	2
			4	3061	29	0	0	1
			4W	2994	28	1	0	1
			5R	3138	29	2	0	2
			5W	3060	29	2	0	1

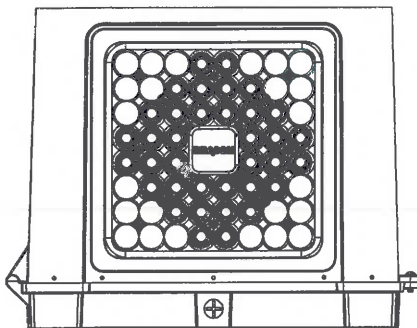
DIMENSIONS



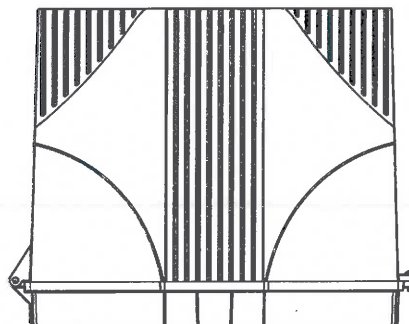
Front View



Side View



Bottom View



Top View



DATE: 06/16/2021 | LOCATION: FLAGSTAFF, AZ
 TYPE: "SFA" | PROJECT: CEDAR MEDICAL COLLABORATIVE
 CATALOG #: LTR-4RD-H-SL06L-DM1/LTR-4RD-T-SL27K8WDS

LTR-4RD

LITEISTRY 4" ROUND DOWNLIGHT

LITEISTRY™

FEATURES

- 4" architectural LED downlight delivering 600 – 4000 lm
- Five beam distributions from 0.3 to 1.2 Spacing Criteria
- Quiet reflector appearance with superior 50° optical cutoff
- 2700K – 5000K, 80+ and 90+ CRI options
- Available for New Construction (non-IC), IC and Chicago Plenum applications
- Variety of dimming protocol options including 0–10V, DALI, DMX, Lutron Forward Phase and EcoSystem
- NX Distributed Intelligence™ wired and wireless controls capability available



RELATED PRODUCTS

- [LTR-4RD-RFH Retrofit](#)
- [LTR-4RD SpectraSync](#)
- [LTR-4RDPH PowerHUBB](#)
- [3" LITEISTRY Family](#)
- [4" LITEISTRY Family](#)
- [6" LITEISTRY Family](#)

CONTROL TECHNOLOGY



SPECIFICATIONS

CONSTRUCTION

- Standard Non-IC. Chicago Plenum and IC options
- Painted black durable steel platform with pre-installed bar hangers
- Pre-wired junction box with snap-on covers for easy access
- Snap-in connection from driver compartment allows easy installation
- Light Engine connections use plenum rated (CMP) cable

OPTICS

- Visually pleasing 50° cutoff to source and source image
- The light distribution is free of distracting bright spots or pixelation and the perimeter has a smooth transition
- Optical grade silicone lens integral to light engine
- High purity spun aluminum reflector, self-flanged
- Flush Mount flange option with mud-in ring available
- Large selection of anodized finishes and colors
- Painted cones and flange options available

ELECTRICAL

- Chip-on-board LED with 2 SDCM
- Multiple CCTs, 80+ or 90+ CRI
- Long LED life: L90 at >55,000 hours (TM-21)
- Universal voltage 120V–277V driver, 347V optional
- UL Class 2, inherent short circuit and overload protection, RoHS compliant
- Flicker free 0-10V dimming with 1% or <1% performance
- DALI, DMX, and Lutron Forward Phase and EcoSystem options
- Integral and remote emergency controller and battery pack options available
- NX or Lutron Vive control options available
- Refer to additional spec sheets for information on [SpectraSync™ Tunable White or Dim-to-Warm](#) or [PowerHUBB™ PoE enabled](#) solutions

INSTALLATION

- Accommodates ceiling thickness up to 2"
- Universal adjustable mounting brackets also accept 0.5" EMT conduit or 1.5" or 0.75" lathing channel (by others) or Prescolite accessory bar hangers (B24 or B6)
- Light Engine/Driver fully serviceable from above or below the ceiling

CERTIFICATIONS

- cCSAus certified to UL 1598
- Suitable for wet locations, covered ceiling. EM/ EMR: Suitable for damp locations.
- EM/EMR: Certified under UL 924 standard for emergency lighting and power equipment
- Approved for 8 (4 in/4 out) No. 12AWG conductors rated for 90°C through wiring
- ENERGY STAR® certified models available (See list and additional information on page 7)
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction. Materials under Trade Agreements effective 6/6/2020. See [Buy American Solutions](#).

WARRANTY

- 5 year warranty
- See [HLI Standard Warranty](#) for additional information

KEY DATA	
Lumen Range	600-4000
Wattage Range	8-52
Efficacy Range (LPW)	90-99*
Reported Life (Hours)	L90 / >55,000
Input Current (mA)	65-433 (120V)

*Based on Specular, 35K, 80 CRI





LTR-4RD

LITEISTRY 4" ROUND DOWNLIGHT

DATE: _____ LOCATION: _____

TYPE: _____ PROJECT: _____

CATALOG #: _____

ORDERING GUIDE

Example: LTR-4RD-H-SL10L-DM1-LTR-4RD-T-SL35K8MD-S

CATALOG # _____

HOUSING

LTR-4RD-H		Lumen Package		Lumen Output		Driver Options		Control Options		Voltage	Housing Options				
Aperture/Shape/Function															
LTR-4RD-H 4" Round Downlight New Construction Housing		SL Standard Lumen		06L	600	DM1 0-10V Dimming to 1%	NXE NX Enabled, Dual SmartPorts ³	<i>Standard</i>	CP Chicago Plenum ^{8,9}	<i>120-277V</i>	IC IC rated ^{8,9}				
				10L	1000								DM01 0-10V Dimming to < 1%	NXWE NX Wireless Enabled ³	EM Emergency Battery Pack with integral test switch and indicator light ⁹
				15L	1500								DMX DMX with RDM dimming to < 0.1% ²		
		ML Medium Lumen		20L	2000	DALI DALI Dimming to 1%	NXWD NX Wireless Enabled, Dual SmartPorts ³	EMR Emergency Battery Pack with remote test switch and indicator light ⁹							
				25L	2500	2DM Lutron Hi-Lume 2-wire Dimming to 1% (120V Forward Phase only) ²									
				30L	3000	EDM Lutron Hi-Lume EcoSystem Dimming to 1% ²									
		HL High Lumen		35L	3500	LV Lutron Vive Enabled, 0-10V (requires 0-10V driver)	LVE Lutron Vive Enabled, EcoSystem, (requires EDM)	DTS Device Transfer Switch with Dimming Bypass ^{9,11}							
				40L	4000				GTD Generator Transfer Device ⁹						
										F Fuse					

TRIM

LTR-4RD-T		Lumen Package		CCT	CRI	Distribution			
Aperture/Shape/Function									
LTR-4RD-T 4" Round Downlight Light Engine/Trim Assembly		SL Standard Lumen		27K	2700K	8	80+CRI	VNR Very Narrow (0.3 SC/20") ¹³	
				30K	3000K	9	90+CRI	NR Narrow (0.4 SC/29")	
				HL High Lumen	35K	3500K			MD Medium (0.7 SC/44")
					40K	4000K			WD Wide (0.9 SC/61")
					50K	5000K ¹			XW Extra Wide (1.2 SC/78")

TRIM CONTINUED

Reflector Finish	Reflector Color	Flange Color Options		Lower Trim Options		Reflector Options
<i>Finish not applicable with painted reflectors (WC or BC)</i>	<i>Standard Clear</i>	<i>Standard matches reflector color</i>		EM Pre-punched reflector for EM integral test switch and indicator	AM Antimicrobial Coating ⁵	
S Specular	CG Champagne Gold	WT White Flange ⁴	BT Black Flange ⁴	FM Flush Mount Mud-in Ring ¹⁰		
SS Semi-Specular	BL Black			WF Wide Flange		
MFC American Matte™	LW Light Wheat					
VS Softglow®	PW Pewter					
VSS SoftSheen™	WC Painted White Cone and Flange					
	BC Painted Black Cone and Flange					

Accessories

- B24** Set of two (2) 24" bar hangers for T-bar ceilings
- B6** Set of two bar hangers for ceiling joist up to 24" centers
- FMR4-R** Flush Mount Mud-In Ring Accessory, 4" Round
- LiteGear** LiteGear® Inverter, 125VA-250VA
- LPS Series** LightPower Micro-Inverter, 20VA-55VA
- MOR4-R-WH** Metal Oversized Ring, 4" Round, White (8.25" outside diameter)
- MOR4-R-BL** Metal Oversized Ring, 4" Round, Black (8.25" outside diameter)
- LTR-SCA4-__** Sloped Ceiling Adapter, 4", White¹²

Notes:

- 1 5000K available in 80+ CRI only.
- 2 2DM, EDM, DMX available in 10L-35L.
- 3 NX requires DM1 driver option.
- 4 WT not needed for WC, BT not needed for BC.
- 5 AM available with WC or Specular Clear (S or SWT). Consult factory for other colors.
- 6 347V requires DM1 driver option; not available in 06L or with Controls F, DTS, GTD, EM, EMR.
- 7 CP available up to 20L; not available with DMX, Controls, or EMR options.
- 8 IC available up to 20L; not available with Controls options.
- 9 Housing options (except Fuse) not available in combination.
- 10 Flush Mount Flange (FM) requires FMR accessory (sold separately).
- 11 DTS available with DM1, DM01, DALI, or EDM; not available with LVE.
- 12 Specify slope angle 5°-35° in 5° increments. Not available with EM, WF, or FM options.
- 13 VNR available up to 30L.



LTR-4RD

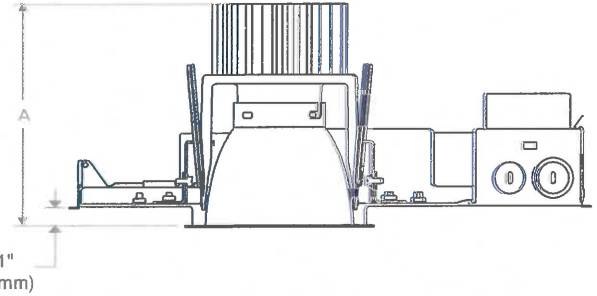
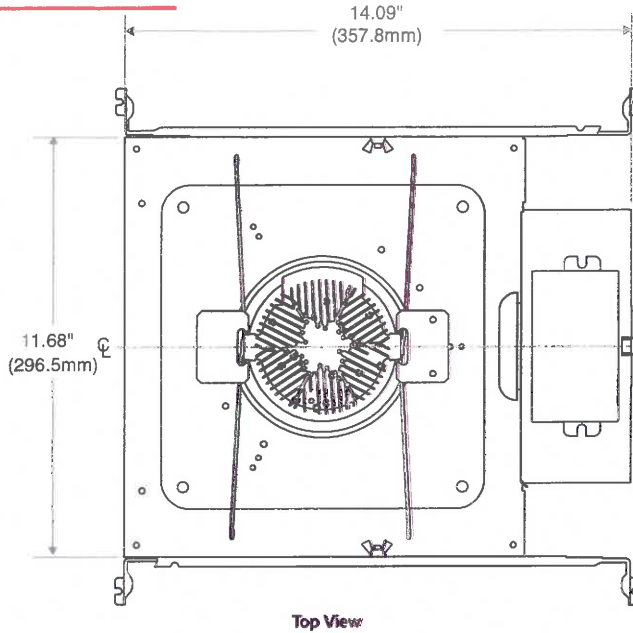
LITEISTRY 4" ROUND DOWNLIGHT

DATE: _____ LOCATION: _____

TYPE: _____ PROJECT: _____

CATALOG #: _____

DIMENSIONS

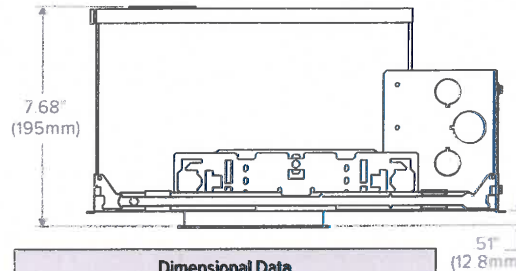
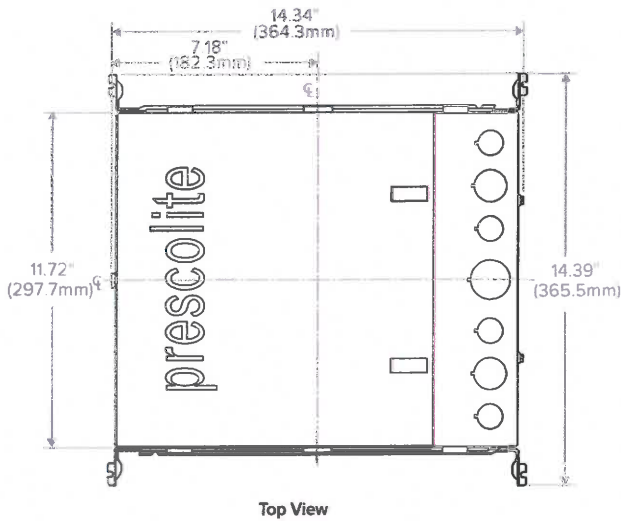


Dimensional Data		
Aperture		4.00" (101.6mm)
Flange:	Standard	5.25" (133.4mm)
	Flush Mount	4.50" (114.3mm)
Ceiling Cutout:	Standard	5.00" (127.0mm)
	Flush Mount	5.12" (130.0mm)
Ceiling Thickness:	Standard or w/ SCA 5-20° slope	0.50" to 2.00" (12.7mm to 50.8mm)
	With SCA 25-35° slope	0.50" to 1.75" (12.7mm to 44.6mm)

Lumen Package	"%"
06L-15L	4.97" (126.2mm)
20L-30L	6.15" (156.2mm)
35L-40L	7.33" (186.2mm)

SCA Sloped Ceiling Adapter accessory available, see [LTR-SCA specification sheet](#) and [installation instructions](#) for dimensional data and other details.

LTR-4RD-H New Construction



Dimensional Data		
Aperture		4.00" (101.6mm)
Flange:	Standard	5.25" (133.4mm)
	Flush Mount	4.50" (114.3mm)
Ceiling Cutout:	Standard	5.00" (127.0mm)
	Flush Mount	5.12" (130.0mm)
Ceiling Thickness:	Standard or w/ SCA 5-20° slope	0.50" to 2.00" (12.7mm to 50.8mm)
	With SCA 25-35° slope	0.50" to 1.75" (12.7mm to 44.6mm)

SCA Sloped Ceiling Adapter accessory available, see [LTR-SCA specification sheet](#) and [installation instructions](#) for dimensional data and other details.

LTR-4RD-H IC/CP

LTR-4RD

LITEISTRY 4" ROUND DOWNLIGHT

DATE: _____ LOCATION: _____

TYPE: _____ PROJECT: _____

CATALOG #: _____

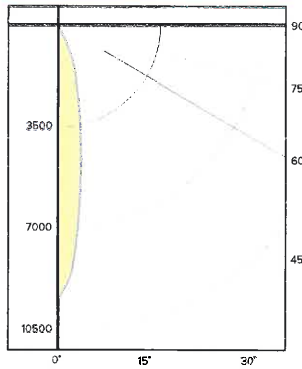
PHOTOMETRY

LTR-4RD-H-ML20L-DM1 / LTR-4RD-T-ML35K8VNR-S

LUMINAIRE DATA

Test No.	20.01331
Description	2000 lm, Very Narrow, 3500K, 80 CRI
Delivered Lumens	2032
Watts	22.4W
Efficacy	91
Mounting	Recessed
Spacing Criterion	0.3
Beam Angle (FWHM)	20

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	9388
5	7360
15	2780
25	1073
35	198
45	20
55	0
65	0
75	0
85	0
90	0

LUMINANCE DATA*

Vertical Angle	Average
45°	3489
55°	0
65°	0
75°	0
85°	0

*Candela/Square Meter

ZONAL LUMEN SUMMARY

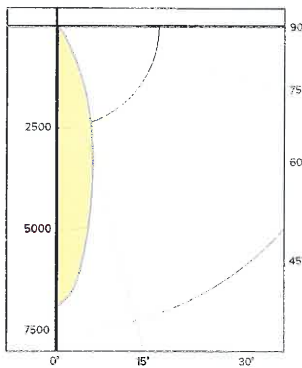
Zone	Lumens	% Luminaire
0-40	2011	99.0
0-60	2032	100.0
0-90	2032	100.0
0-180	2032	100.0

LTR-4RD-H-ML20L-DM1 / LTR-4RD-T-ML35K8NR-S

LUMINAIRE DATA

Test No.	19.00532
Description	2000 lm, Narrow, 3500K, 80 CRI
Delivered Lumens	2238
Watts	22.5W
Efficacy	99.3
Mounting	Recessed
Spacing Criterion	0.4
Beam Angle (FWHM)	29

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	6877
5	6035
15	3284
25	1313
35	260
45	26
55	3
65	1
75	0
85	0
90	0

LUMINANCE DATA*

Vertical Angle	Average
45°	4535
55°	645
65°	292
75°	0
85°	0

*Candela/Square Meter

ZONAL LUMEN SUMMARY

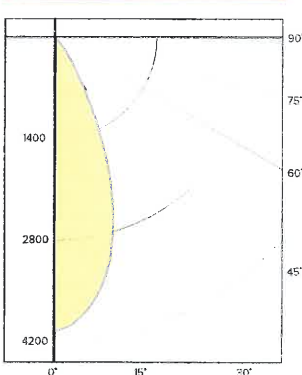
Zone	Lumens	% Luminaire
0-40	2208	98.6
0-60	2237	99.9
0-90	2238	100.0
0-180	2238	100.0

LTR-4RD-H-ML20L-DM1 / LTR-4RD-T-ML35K8MD-S

LUMINAIRE DATA

Test No.	19.00533
Description	2000 lm, Medium, 3500K, 80 CRI
Delivered Lumens	2152
Watts	22.5W
Efficacy	95.6
Mounting	Recessed
Spacing Criterion	0.7
Beam Angle (FWHM)	44

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	4053
5	3893
15	3037
25	1493
35	366
45	34
55	3
65	1
75	0
85	0
90	0

LUMINANCE DATA*

Vertical Angle	Average
45°	5931
55°	645
65°	292
75°	0
85°	0

*Candela/Square Meter

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	2113	98.2
0-60	2151	99.9
0-90	2152	100.0
0-180	2152	100.0

IES FILE

IES FILE

Project Number
17.02978



HUBBELL
Lighting

Date
11/29/2017

VIPER L STRIKE <small>LARGE VIPER LUMINAIRE</small>	Cat.# VPL-96L-170-AM-4F-X-UNV-XXX	BEACON	Approvals	VIPER L STRIKE <small>LARGE VIPER LUMINAIRE</small>	Cat.# VPL-96L-170-AM-4F-X-UNV-XXX	BEACON	Approvals
	Job CEDAR MEDICAL				Type "SA"		
VIPER L STRIKE <small>LARGE VIPER LUMINAIRE</small>	Cat.# VPL-96L-170-AM-3F-X-UNV-XXX	BEACON	Approvals	VIPER L STRIKE <small>LARGE VIPER LUMINAIRE</small>	Cat.# VPL-96L-170-AM-3F-X-UNV-XXX	BEACON	Approvals
	Job CEDAR MEDICAL				Type "SC"		

LAB 5
Sphere

Test Sample Description

Catalog Number: VP-L-80E2-140-AMB-2-UNV
Description: Large Viper w/ Amber LEDs and Type II Optics

Photometry
Test Method: IES LM-31-95
IES LM-79-08 § 10
Preburn Time: 0:00
Time To Stabilize: 1:45
Total Operating Time: 3:00

Input Voltage (Volts): 120.2
Input Current (Amps): 1.257
Input Wattage (Watts): 150.8
Ambient Temp (°C): 25.3

Sphere
Test Method: IES LM-16-93
IES LM-79-08 § 9.1 & 12.1
Preburn Time: 8:00
Time To Stabilize: 2:30
Total Operating Time: 11:00

Input Voltage (Volts): 120.0
Input Current (Amps): 1.261
Input Wattage (Watts): 150.5
Ambient Temp (°C): 25.0



Hubbell Lighting, Inc.

701 Millennium Boulevard
Greenville, SC 29607
www.hubbellighting.com

Checked (sphere): B. LEE
Checked (photometry): R. WILLIAMS
Approved: P. McCARTHY



This report shall not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

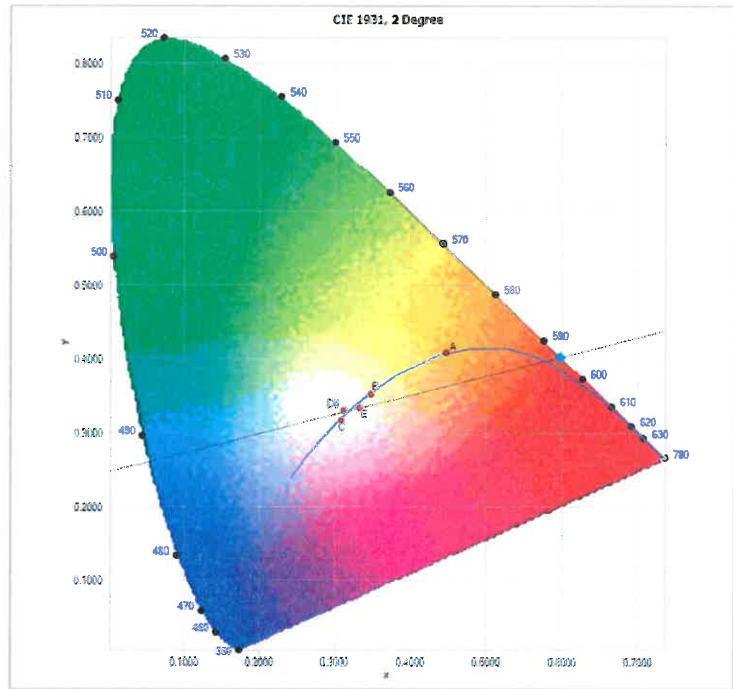


HUBBELL
Lighting

Lamp Cat#: XPE-2
Lamp Desc: 80 - Cree Amber LEDs
Driver Desc: 2 - TRP PLED96W-034-C2800-D3

Efficacy: 32.0 LPW S/P Ratio: 0.2 LM/LM

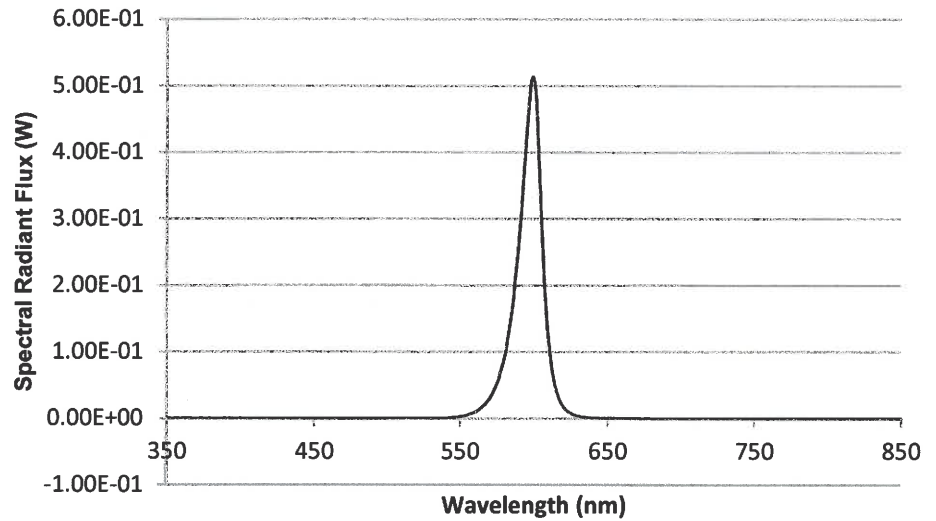
Chromaticity Diagram



Spectral Results

Name	Value	Unit
Φ	10.37	watts
$\Phi(v)$	4817	lumens
$\Phi(v')$	1018	lm'
Chrom x	0.597	
Chrom y	0.4021	
Chrom u	0.3601	
Chrom v	0.3638	
Duv	0.0029	
Chrom u'	0.3601	
Chrom v'	0.5457	
CCT	1484	K
Purity	99.9	%
λ (dom)	593.9	nm
FWHM	16.4	nm
λ (peak)	598.8	nm
λ (center)	597.4	nm
λ (centroid)	595.4	nm
SDCM	Cool White	
RA	-19	
Corr. Coef.	0.0035601	
Correlation	0.0054	
R1	-29.7	
R2	55.7	
R3	17.0	
R4	-64.9	
R5	-36.9	
R6	48.5	
R7	-8.0	
R8	-133.0	
R9	-375.8	
R10	35.1	
R11	-89.2	
R12	2.8	
R13	-10.5	
R14	46.4	

Spectral Distribution of Radiant Flux



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FLUX CHARACTERISTICS - COLOR (T_j = 25 °C) - CONTINUED

Color	Color Bin	Minimum Luminous Flux (lm) @ 350 mA		Order Codes
		Group	Flux (lm)	
PC Amber	Y2	Q2	87.4	XPEBPA-L1-0000-00A01
		Q3	93.9	XPEBPA-L1-0000-00B01
		Q4	100	XPEBPA-L1-0000-00C01
		Q5	107	XPEBPA-L1-0000-00D01

Color	Minimum Luminous Flux (lm) @ 350 mA		Dominant Wavelength (nm)				Order Codes
			Minimum		Maximum		
	Group	Flux (lm)	Group	DWL (nm)	Group	DWL (nm)	
Amber	N4	62.0	A2	585	A3	595	XPEBAM-L1-0000-00601
			A2	585	A2	590	XPEBAM-L1-0000-00602
			A3	590	A3	595	XPEBAM-L1-0000-00603
	P2	67.2	A2	585	A3	595	XPEBAM-L1-0000-00701
			A2	585	A2	590	XPEBAM-L1-0000-00702
			A3	590	A3	595	XPEBAM-L1-0000-00703
	P3	73.9	A2	585	A3	595	XPEBAM-L1-0000-00801
			A2	585	A2	590	XPEBAM-L1-0000-00802
			A3	590	A3	595	XPEBAM-L1-0000-00803
	P4	80.6	A2	585	A3	595	XPEBAM-L1-0000-00901
			A3	590	A3	595	XPEBAM-L1-0000-00903

Note:

- Cree maintains a tolerance of ±7% on flux and power measurements, ±0.005 on chromaticity (CCx, CCy) measurements and ±2 on CRI measurements. See the Measurements section (page 35).
- Cree XLamp XP-E2 LED order codes specify only a minimum flux bin and not a maximum. Cree may ship reels in flux bins higher than the minimum specified by the order code without advance notice. Shipments will always adhere to the chromaticity bin restrictions specified by the order code.
- Calculated Photosynthetic Photon Flux (PPF) values are for reference only.

RELATIVE SPECTRAL POWER DISTRIBUTION

