Hoosier Indoor Air

6080 North Railroad Street
McCordsville, IN 46055
State Submittal Set - April 6, 2021

CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL EXAMINE AND BECOME FAMILIAR WITH ALL CONTRACT DOCUMENTS IN THEIR ENTIRETY, SURVEY THE PROJECT AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND SCOPE OF WORK. ALL COSTS SUBMITTED SHALL BE BASED ON THOROUGH KNOWLEDGE OF ALL WORK AND MATERIALS REQUIRED. ANY DISCREPANCY AND/OR UNCERTAINTY AS TO WHAT MATERIAL OR PRODUCT IS TO BE USED SHOULD BE VERIFIED WITH THE OWNER OR ARCHITECT.
2. ALL CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE FEDERAL, LOCAL, AND STATE CODES AND AMENDMENTS.
3. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES REQUIRED FOR SAFE EXECUTION AND COMPLETION OF WORK, AND FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK.
4. ANY ERRORS, OMISSIONS OR INCONSISTENCIES ON THESE DRAWINGS OR ANY VARIATIONS OR AMBIGUITIES BETWEEN THESE DRAWINGS AND ACTUAL SITE AND CONSTRUCTION CONDITIONS AND/OR REQUIREMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN WRITING, IMMEDIATELY.
5. IN THE EVENT A DISCREPANCY IS FOUND IN THE CONTRACT DOCUMENTS, THE OWNER AND ARCHITECT SHALL BE NOTIFIED IMMEDIATELY.
6. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD AND NOTIFY THE ARCHITECT FOR ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
7. CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AT SITE AND BE RESPONSIBLE FOR ACCURACY AND CORRECTNESS OF SAME.
8. CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
9. STORE MATERIALS IN SPACES DESIGNATED BY OWNER.
10. REMOVE RUBBISH FROM PREMISES AS OFTEN AS NECESSARY OR AS DIRECTED TO MAINTAIN CLEAN AND SAFE PROJECT.
11. ALL WORK AND EQUIPMENT SHALL BE CLEANED TO THE SATISFACTION OF THE OWNER BEFORE TURNING SAME OVER TO THE OWNER.
12. SHOP DRAWING SHALL BE SUBMITTED TO THE ARCHITECT AND OWNER FOR APPROVAL PRIOR TO ORDERING, FABRICATION AND INSTALLATION FOR ANY EQUIPMENT.
13. THE CONTRACTOR SHALL PAY ALL FEES, GIVE ALL NOTICES, FILE ALL NECESSARY DRAWINGS AND OBTAIN ALL PERMITS AND CERTIFICATES OF APPROVAL REQUIRED IN CONNECTION WITH ALL WORK UNDER THESE CONTRACT DOCUMENTS. HE OR SHELL SHALL COMPLY WITH ALL LAWS, ORDINANCES, RULES AND REGULATIONS OF ALL AUTHORITIES HAVING JURISDICTION.
14. THERE SHALL BE NO DEVIATION FROM SPECIFICATIONS WITHOUT THE WRITTEN APPROVAL OF THE OWNER, ARCHITECT, AND/OR ENGINEER.
15. THE OWNER SHALL EMPLOY AN APPROVED TESTING LABORATORY TO MAKE ALL TEST FOR CONCRETE, SOIL COMPACTION, WELDING OF STEEL, SHEER NAILING, AND ROOFING TO ENSURE COMPLIANCE WITH PLANS, STANDARDS AND CODES. ALSO PROVIDE WRITTEN RESULTS TO ARCHITECT FOR THEIR REVIEW.
16. DRYWALL INSTALLATION SHALL BE IN CONFORMANCE WITH THE GYPSUM ASSOCIATION'S RECOMMENDED PRACTICES FOR THICKNESS, NAILING, TAPING, AND CORRECT STUD SPACING.
17. THE CONTRACTOR SHALL VERIFY THE SIZE, LOCATION, OPENINGS, AND CHARACTERISTICS OF ALL WORK AND EQUIPMENT TO BE FURNISHED BY THE OWNER OR OTHERS WITH THE MANUFACTURER OR SUPPLIER BEFORE STARTING ANY CONSTRUCTION RELATED TO SAID WORK AND/OR EQUIPMENT.
18. ALL MATERIALS SHALL BE NEW AND OF PREFERRED DOMESTIC MANUFACTURE AND SHALL BE INSTALLED IN STRICT CONFORMANCE WITH MANUFACTURER'S INSTRUCTIONS AND/OR RECOMMENDATIONS UNLESS OTHERWISE INDICATED IN THE DRAWINGS AND SPECIFICATIONS. ANY CONFLICT FOUND BETWEEN THE MANUFACTURER'S INSTRUCTIONS AND THE DRAWINGS OR SPECIFICATIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER OR ARCHITECT PRIOR TO INSTALLATION.
19. DO NOT SCALE DRAWINGS. ALL DIMENSIONS ARE TO FACE OF STUD UNLESS OTHERWISE INDICATED.
20. PROVIDE DRYWALL CONTROL JOINTS FOR EVERY 30 FEET OF LENGTH IN EACH DIRECTION.
21. LOCATION OF MECHANICAL UNITS ARE APPROXIMATE. INSTALL PER MANUFACTURER'S REQUIREMENTS.
22. CONTRACTOR TO VERIFY WITH LOCAL UTILITIES ALL PREFERRED LOCATIONS OF ELECTRICAL TRANSFORMERS, METERS, GAS METERS, WATER METERS, AND OTHER INFRASTRUCTURE.
23. THE CONTRACTOR SHALL BEAR THE TOTAL EXPENSE FOR AND SHALL REPAIR TO EXISTING CONDITION, ANY DAMAGE TO EXISTING UNDERGROUND UTILITIES, PIPING, CONDUIT OR EQUIPMENT.
24. SPECIFIED PRODUCTS HAVE BEEN USED IN PREPARING THE CONTRACT DOCUMENTS TO ESTABLISH MINIMUM QUALITIES.
25. EXIT CORRIDORS TO HAVE A MINIMUM 2A/10B/C FIRE EXTINGUISHER WITHIN A 75-FOOT TRAVEL DISTANCE AND MOUNTED ON THE WALL OR IN CABINETS SUCH THAT THE OPERABLE PARTS ARE NO MORE THAN 48" ABOVE FLOOR LEVEL. REFER TO THE BUILDING PLANS FOR LOCATIONS.
26. STATIC COEFFICIENT OF FRICTION (SCOF) SHALL BE A MINIMUM OF 0.8 FOR ALL RAMPS AND ALL ACCESSIBLE ROUTES (SIDEWALKS) 0.6 TO AVOID SLIPPERY FOOTING.
27. THE CONTRACTOR SHALL VERIFY ALL ROUGH OPENINGS.
28. THE BOTTOM 10 INCHES OF ALL DOORS EXCEPT SLIDING DOORS SHALL HAVE A SMOOTH, UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION.
29. EVERY EXIT WAY OR CHANGE IN DIRECTION IN AN EXIT CORRIDOR SHALL BE MARKED WITH WELL-LIGHTED EXIT SIGNS HAVING LETTERS OF AT LEAST 5 INCHES IN HEIGHT.
30. PROTRUDING OBJECTS ARE PROHIBITED ALONG ALL CIRCULATION PATHS INCLUDING ACCESSIBLE ROUTES AND STAIRS. A MAXIMUM PROJECTION OF 4" FOR OBJECTS GREATER THAN 27" ABOVE THE FLOOR IS ALLOWED. ANY PROTRUDING OBJECTS THAT EXTEND GREATER THAN 4" MUST BE MOUNTED WITH THEIR BOTTOM EDGE AT 80" A.F.F.

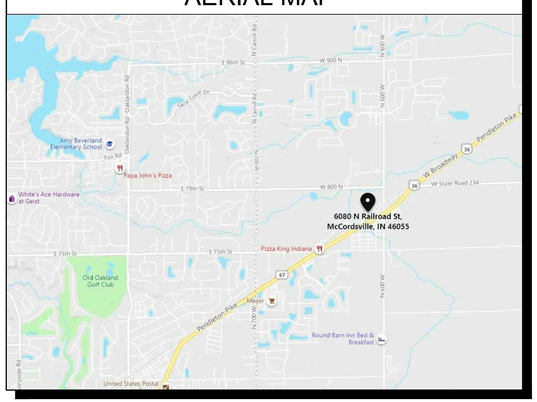
GENERAL NOTES

1. ALL STUD WALLS ARE DIMENSIONED TO FINISH FACE UNLESS OTHERWISE INDICATED.
2. ALL GYPSUM BOARD ASSEMBLIES TO ACHIEVE FIRE RESISTANCE RATINGS INDICATED ON DRAWINGS. ASTM C 36
3. ROOFING SHALL BE CLASS-A (MINIMUM).
4. ALL SILLS IN CONTACT WITH CONCRETE TO BE PRESSURE TREATED AND HAVE A CONTINUOUS SILL SEALER ON ENTIRE PERIMETER OF BUILDING.
5. ALL HANDICAPPED RAMPS SHALL BE BROOM FINISHED PERPENDICULAR TO SLOPE. CONTRACTOR MUST PROVIDE 0.8 SCOF ON ALL RAMPS. SLOPE RAMPS AT 1:12 (MAX).
6. MOISTURE RESISTANT BOARD SHALL BE USED AT ALL RESTROOM WALLS AND UTILITY ROOMS.
7. MAXIMUM FLAME SPREAD RATING ON ALL INTERIOR FINISH MATERIALS SHALL NOT EXCEED 200.
8. ALL EXPOSED MATERIALS FOR BALCONIES, SOFFITS, OVERHANGS, ETC. TO BE APPROVED EXTERIOR GRADE AND PER CODE.
9. FRAMING AT WINDOWS AND DOORS SHALL BE ADEQUATE TO MINIMIZE MOVEMENT AND LESSEN CRACKING OF EXTERIOR MATERIALS (DOUBLE STUDS REQUIRED IN SOME LOCATIONS).
10. ANY AND ALL PRECAUTIONS OVER AND ABOVE ANY SHOWN ON PLANS SHALL BE TAKEN BY CONTRACTOR TO MINIMIZE EXTERIOR MATERIALS CRACKING.
11. INSULATE ALL EXTERIOR WALLS WITH UNFACED FIBERGLASS PRESSURE FIT IN PLACE. R-VALUES AS SHOWN ON DETAILS.
12. CORROSION RESISTANT FLASHING IS REQUIRED AT THE HEAD, SILL, AND JAMBS OF ALL WINDOWS, ROOF OPENINGS, AND THE INTERSECTION OF ROOF AND FRAME WALLS. SEALANT TO BE USED AT THE TOP AND SIDES TO GUARANTEE LEAK-PROOF CONSTRUCTION.
13. ADD SEALANT TO ALL EXTERIOR JOINTS AROUND WINDOWS AND DOOR FRAMES, BETWEEN WALL PANELS, AND TO ALL PENETRATIONS OR UTILITIES THROUGH WALLS AND ROOFS. REFER TO LOCAL CODES FOR REQUIREMENTS.
14. PROVIDE BITUTHENE AT HEAD, JAMB, AND SILL OF ALL DOORS AND WINDOWS UNLESS OTHERWISE SHOWN ON DETAILS.
15. REFER TO SECTIONS AND DETAILS FOR HEADER SIZING.
16. INSTALL BLOCKING IN RESTROOMS FOR FUTURE GRAB BAR LOCATIONS. MINIMUM BLOCKING SIZE TO BE 2X10.
17. PROVIDE 3 STUD MINIMUM AT ALL EXTERIOR CORNERS.
18. PROVIDE SOLID BLOCKING AND/OR DOUBLE JOISTS UNDER ALL PERPENDICULAR AND PARALLEL PARTITIONS AND STAIR OPENINGS.
19. ALL WORK AND EQUIPMENT TO BE FULLY GUARANTEED FOR ONE (1) YEAR FROM DATE OF FINAL PAYMENT AND ACCEPTANCE.
20. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERSONALLY INSPECT THE WORK IN PROGRESS, AND AS A WHOLE, ASSURING THAT THE WORK ON ANY OR ALL OR PART OF THE PROJECT IS READY FOR PERIODIC AND/OR FINAL REVIEW, BEFORE CALLING UPON THE ARCHITECT AND OWNER TO MAKE THEIR SITE/PROJECT OBSERVATION VISIT OF THE WORK.
21. IN COMBUSTIBLE CONSTRUCTION, FIREBLOCKING SHALL BE INSTALLED TO CUT OFF CONCEALED DRAFT OPENINGS (BOTH VERTICAL AND HORIZONTAL) AND SHALL FORM AN EFFECTIVE BARRIER BETWEEN FLOORS, BETWEEN A TOP STORY AND A ROOF, OR ATTIC SPACE.
22. BATTS OR BLANKETS OF MINERAL OR GLASS FIBER OR OTHER APPROVED NONRIGID MATERIALS SHALL BE ALLOWED AS FIREBLOCKING IN WALLS CONSTRUCTED USING PARALLEL ROWS OF STUDS OR STAGGERED STUDS.
23. FIREBLOCKING SHALL BE PROVIDED IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES, AT THE CEILING AND FLOOR LEVELS AND AT 10-FOOT INTERVALS BOTH VERTICAL AND HORIZONTAL.
24. JOINTS INSTALLED IN OR BETWEEN FIRE-RESISTANCE-RATED WALLS, FLOORS OR FLOOR/CEILING ASSEMBLIES AND ROOFS OR ROOF/CEILING ASSEMBLIES SHALL BE PROTECTED BY AN APPROVED FIRE-RESISTANT JOINT SYSTEM DESIGNED TO RESIST THE PASSAGE OF FIRE FOR A TIME PERIOD NOT LESS THAN THE REQUIRED FIRE-RESISTANCE RATING OF THE WALL, FLOOR, OR ROOF OR IN BETWEEN WHICH IT IS IN STALLED.
25. FIRE-RESISTANT JOINT SYSTEMS SHALL NOT BE REQUIRED FOR JOINTS IN ALL OF THE FOLLOWING LOCATIONS: FLOORS WHERE THE JOINT IS PROTECTED BY A SHAFT ENCLOSURE; WALLS THAT ARE PERMITTED TO HAVE UNPROTECTED OPENINGS; ROOFS WHERE OPENINGS ARE PERMITTED; CONTROL JOINTS NOT EXCEEDING A MAXIMUM WIDTH OF 0.625 INCH AND TESTED IN ACCORANCE WITH ASTM E 119.
26. PROVIDE PLYWOOD PANELS FOR MOUNTING OF TELECOMMUNICATION AND DATA EQUIPMENT.
27. REQUIRED SIGNAGE SHALL BE IDENTITIED WITH APPLICABLE SIGNAGE PER STATE OF INDIANA OR FIRE DEPARTMENT SPECIFICATIONS. OWNER TO CONTACT SIGNAGE CONSULTANT.
28. COORDINATE KNOX BOX LOCATION WITH LOCAL FIRE MARSHAL.
29. GENERAL CONTRACTOR TO COORDINATE WITH LOCAL UTILITIES TO PROVIDE A WORKING TELEPHONE, CABLING, AND LOW VOLTAGE SYSTEM UNLESS OTHERWISE SPECIFIED.

CODE ANALYSIS

PROJECT LOCATION	6080 NORTH RAILROAD STREET McCORDSVILLE, IN 46055
APPLICABLE BUILDING CODES	GENERAL ADMINISTRATION RULES (GAR) (UPDATED 08/01/2014) (AMENDED 12/01/2014) COMPRISED OF 675 IAC 12 2014 INDIANA BUILDING CODE (IBC) EFFECTIVE 12/01/2014 COMPRISED OF 2012 INTERNATIONAL BUILDING CODE (675 IAC 13-2.6) (INDIANA AMENDMENTS) 2014 INDIANA FIRE CODE (IFC) EFFECTIVE 12/01/2014 COMPRISED OF 2012 INTERNATIONAL FIRE CODE (675 IAC 22-2.5) (INDIANA AMENDMENTS) 2012 INDIANA PLUMBING CODE (IPC) EFFECTIVE 12/24/2012 COMPRISED OF 2006 INTERNATIONAL PLUMBING CODE (675 IAC 16-1.4) (INDIANA AMENDMENTS) 2009 INDIANA ELECTRICAL CODE (IEC) EFFECTIVE 08/26/2009 COMPRISED OF 2008 NFPA 70 (675 IAC 17-1.8) (INDIANA AMENDMENTS) 2014 INDIANA MECHANICAL CODE (IMC) EFFECTIVE 12/1/2014. COMPRISED OF 2012 INTERNATIONAL MECHANICAL CODE (675 IAC 18-1.6) (INDIANA AMENDMENTS) 2008 INDIANA BUILDING CODE CHAPTER 11 ACCESSIBILITY COMPRISED OF 675 IAC 13-2.5-12 (ANSI A117.1-2009) (INDIANA AMENDMENTS) 2010 INDIANA ENERGY CONSERVATION CODE (IECC) EFFECTIVE 05/07/2010. COMPRISED OF ASHRAE STANDARD 90.1-2007 (675 IAC 19-4) (INDIANA AMENDMENTS) 2011 INDIANA ELEVATOR SAFETY CODE (IESC) UPDATED 09/28/2011. COMPRISED OF ANSI/ASME A17.1, 2007; ANSI/ASME A90.1, 2003; ANSI A10.4, 2004; ASME A18.1, 2005 (675 IAC 21) INDIANA BUILDING REHABILITATION STANDARDS (GAR) UPDATED 12/22/2016. COMPRISED OF 675 IAC 12-8 (INDIANA AMENDMENTS) 1998 AMERICAN SOCIETY OF SANITARY ENGINEERS STANDARD 1051. COMPRISED OF 675 IAC 16-2 (INDIANA AMENDMENTS) INDIANA SWIMMING POOL CODE; GENERAL PROVISIONS AND DEFINITIONS COMPRISED OF 675 IAC 20-1.1 (INDIANA AMENDMENTS)
PROPOSED USE OF FACILITY	OFFICE AND WAREHOUSE
OCCUPANCY GROUP	B / S-1 NON-SEPARATED MIXED USE
CONSTRUCTION CLASSIFICATION	V-B (IBC 601) NON-WPRINKLED
MAXIMUM ALLOWABLE HEIGHT MAXIMUM PROVIDED	40 FT (IBC TABLE 504.3) TWO-STORY (IBC TABLE 504.4) 26 FT TO RIDGE
MAXIMUM ALLOWABLE AREA PER FLOOR:	9,000 SF (IBC TABLE 503) 3,000 SF (FIRST FLOOR) 1,092 SF (SECOND FLOOR) 4,092 SF (TOTAL BUILDING AREA)
OCCUPANT LOAD (TABLE 1004.1.2)	OFFICE (100SF/ PERSON GROSS) 22 WAREHOUSE (500SF / PERSON GROSS) 4 **TOTAL OCCUPANT LOAD: 26**
EXITS REQUIRED EXITS PROVIDED	2 (IBC 1016) 2
MAXIMUM TRAVEL DISTANCE ALLOWED MAXIMUM PROVIDED	200' SPACES WITH ONE EXIT (IBC TABLE 1006.3.2) 57'-10" 75' COMMON PATH OF EGRESS TRAVEL ALLOWED 72'-0" PROVIDED
FIRE SUPPRESSION SYSTEM	NONE
FIRE ALARM SYSTEM	NOT REQUIRED
ENERGY CODE COMPLIANCE	SEE COMCHECK REPORT

AERIAL MAP



DRAWING INDEX

PROGRESS | STUDIO

PROGRESS STUDIO, LLC
5915 N. College Ave. Suite 213
Indianapolis, IN 46220
317-978-1100
www.theprogressstudio.com

In Association With

HOOSIER INDOOR AIR HEATING + COOLING

Prepared For

Rich Brother Properties LLC

6080 N. Railroad Street
McCordsville, IN 46055

Project

Hoosier Indoor Air

6080 N. Railroad Street
McCordsville, IN 46055

Certification

JOSEPH E. LESH
REGISTERED
No. AR11700002
STATE OF INDIANA
REGISTERED ARCHITECT

No.	Date	Description
-	02/25/2021	Review Set
-	03/06/2021	Review Set
-	04/06/2021	State Submittal Set

Drawn By: JEL
Reviewed By: JEL

Project Number: 21011

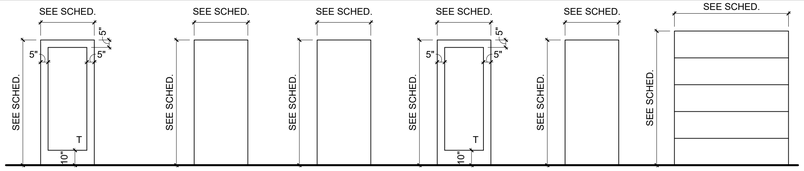
Sheet Title

Cover Sheet

Sheet Number

G001

DOOR ELEVATIONS



TYPE A
ALUMINUM
STOREFRONT

TYPE B
PAINTED H.M.

TYPE C
S.C. WOOD

TYPE D
S.C. WOOD

TYPE E
PAINTED H.M.
(INSULATED)

TYPE F
INSULATED
SECTIONAL
OVERHEAD
DOOR

HARDWARE SCHEDULE

#1 ENTRY SET
1 1/2 PAIR HINGES
1 LEVER SET (PASSAGE)
1 KEYED CYL. DEADBOLT
1 CLOSER
3 SILENCERS
1 OVERHEAD STOP
1 BRUSH SWEEP
WEATHERSTRIPPING
AND THRESHOLD

#2 PASSAGE SET (RESTROOMS)
1 1/2 PAIR HINGES
1 PASSAGE SET (PRIVACY)
1 CLOSER
3 SILENCERS
1 WALL STOP
ADA-COMPLIANT RESTROOM SIGN

#3 OFFICE SET
1 1/2 PAIR HINGES
1 LEVER SET (CLASSROOM)
3 SILENCERS
1 WALL STOP

#4 PASSAGE SET
1 1/2 PAIR HINGES
1 PASSAGE SET
1 CLOSER
3 SILENCERS
1 WALL STOP
1 KICKPLATE

#5 STOREROOM SET
1 1/2 PAIR HINGES
1 STOREROOM SET
1 CLOSER
3 SILENCERS
1 WALL STOP
1 KICKPLATE

DOOR SCHEDULE

NO.	DOOR WIDTH	DOOR HEIGHT	DOOR THICKNESS	DOOR TYPE	DOOR FINISH	DOOR RTG	FRAME TYPE	FRAME FINISH	FRAME RTG	HARDWARE TYPE	HARDWARE FINISH	COMMENTS
101	3' - 0"	7' - 0"	0' - 1 3/4"	A	ALUM		A	ALUM		1	BLK	DOOR/FRAME COLOR: BLACK PAINTED
102	3' - 0"	7' - 0"	0' - 1 3/4"	A	PT-2		B	PT-2		4	US26D	
104	3' - 0"	7' - 0"	0' - 1 3/4"	D	ST-1		B	PT-2		3	US26D	
105	3' - 0"	7' - 0"	0' - 1 3/4"	C	ST-1		B	PT-2		5	US26D	
106	3' - 0"	7' - 0"	0' - 1 3/4"	D	ST-1		B	PT-2		3	US26D	
107	3' - 0"	7' - 0"	0' - 1 3/4"	B	ST-1		B	PT-2		5	US26D	
108	3' - 0"	7' - 0"	0' - 1 3/4"	C	ST-1		B	PT-2		2	US26D	
109	3' - 0"	7' - 0"	0' - 1 3/4"	C	ST-1		B	PT-2		2	US26D	
110A	3' - 0"	7' - 0"	0' - 1 3/4"	E	ST-1		C	PT-2		1	BLK	
110B	12' - 0"	12' - 0"	PER MFR.	F	PT							REFER TO EXTERIOR ELEVATIONS FOR FINISH LEGEND
110C	12' - 0"	12' - 0"	PER MFR	F	PT							REFER TO EXTERIOR ELEVATIONS FOR FINISH LEGEND
202	3' - 0"	7' - 0"	0' - 1 3/4"	C	ST-1		B	PT-2		2	US26D	
203	3' - 0"	7' - 0"	0' - 1 3/4"	C	ST-1		B	PT-2		5	US26D	
204	3' - 0"	7' - 0"	0' - 1 3/4"	D	ST-1		B	PT-2		3	US26D	
205	3' - 0"	7' - 0"	0' - 1 3/4"	D	ST-1		B	PT-2		3	US26D	
206	3' - 0"	7' - 0"	0' - 1 3/4"	D	ST-1		B	PT-2		3	US26D	

NOTES:
1. GLASS IN DOORS SHALL BE TEMPERED
2. DOORS NOT TAGGED OR SCHEDULED ARE EXISTING TO REMAIN.
3. PROVIDE 'EXIT' SIGN WITH RAISED BRAILLE AT EXISTING EGRESS DOORS. BLACK BACKGROUND WITH WHITE GRAPHICS. VERTICAL ORIENTED MOUNTED ON FRAME.
4. PROVIDE ADA-COMPLIANT RESTROOM SIGN, UNISEX, WITH RAISED BRAILLE ON DOOR. BLACK BACKGROUND WITH WHITE GRAPHICS.

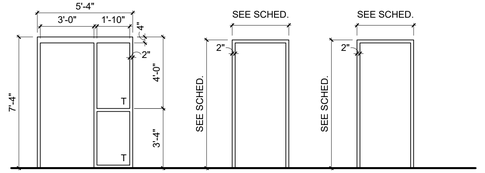
GL-1: 1" INSULATED GLASS (EXTERIOR)

GL-2: 1/4" NOMINAL (INTERIOR)

GL-3: SAFETY GLASS (STAIR DOOR)

T = TEMPERED (PROVIDE TEMPERED GLASS AT ALL GLASS WITHIN 24" OF DOOR OR LESS THAN 36" TO FLOOR)

FRAME ELEVATIONS

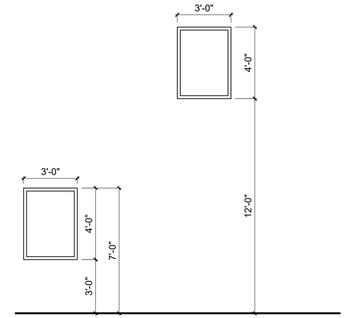


TYPE A
ALUMINUM
STOREFRONT

TYPE B
PAINTED
HOLLOW METAL

TYPE C
PAINTED
HOLLOW METAL
(INSULATED)

WINDOW ELEVATIONS



TYPE A
ALUM. STOREFRONT
THERMALLY BROKEN

TYPE B
ALUM. STOREFRONT
THERMALLY BROKEN

GL-1: 1" INSULATED GLASS (EXTERIOR)

T = TEMPERED (PROVIDE TEMPERED GLASS AT ALL GLASS WITHIN 24" OF DOOR OR LESS THAN 36" TO FLOOR)

ROOM FINISH SCHEDULE

Number	Name	Floor Finish	Wall Finish	Base Finish	Ceiling Finish	Comments
101	RECEPTION	LVT-1	PT-1	RB-1	GWB	
102	STAFF	LVT-1	PT-1	RB-1	GWB	
103	HALL	LVT-1	PT-1	RB-1	ACT	
104	OFFICE	CPT-1	PT-1	RB-1	GWB	
105	CLOSET	VCT-1	PT-1	RB-1	ACT	
106	CONFERENCE	CPT-1	PT-1	RB-1	GWB	
107	UTILITY	VCT-1	PT-1	RB-1	GWB	
108	RESTROOM	VCT-1	PT-1 / WT-1	WT-1	ACT	
109	RESTROOM	VCT-1	PT-1 / WT-1	WT-1	ACT	
110	WAREHOUSE	CONC	PT-1	RB-1	OPEN	
201	OPEN AREA	CPT-1	PT-1	RB-1	ACT	
203	STORAGE	VCT-1	PT-1	RB-1	ACT	
202	RESTROOM	VCT-1	PT-1 / WT-1	WT-1	ACT	
204	OFFICE	CPT-1	PT-1	RB-1	ACT	
205	OFFICE	CPT-1	PT-1	RB-1	ACT	
206	OFFICE	CPT-1	PT-1	RB-1	ACT	
ST-1	STAIR	CPT-1	PT-1	RB-1	ACT	

FINISH LEGEND

FLOORING / BASE MATERIAL:
CPT-1: CARPET, BROADLOOOM, STYLE TBD BY OWNER
WT-1: WALL TILE BASE, MATCH RESTROOM WALL TILE, TBD BY OWNER
RB-1: TARKETT 4" COVE BASE, COLOR: TBD BY OWNER

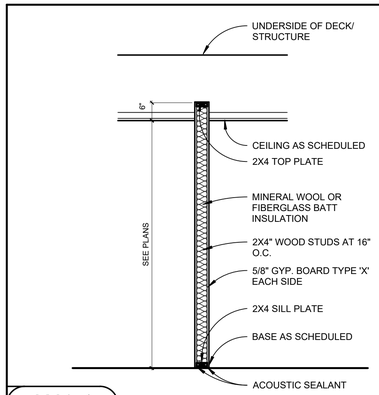
PAINT:
PT-1: SHERWIN WILLIAMS, MATTE FINISH, GENERAL WALL PAINT, COLOR TBD BY OWNER
PT-2: SHERWIN WILLIAMS, MATTE FINISH, PURE WHITE, CEILING GYPSUM BOARD

WALL TILE:
WT-1: PORCELAIN TILE, RESTROOM WALL TILE, TBD BY OWNER

CEILINGS:
ACT-1: ARMSTRONG CEILINGS, CALLA, SQAURE 48" x 24" W/ 15/16" SQUARE LAY IN GRADE

MILLWORK:
PL-1: PLASTIC LAMINATE, VERTICAL SURFACES, STYLE TBD BY OWNER
PL-2: PLASTIC LAMINATE, HORIZONTAL SURFACE, TBD BY OWNER

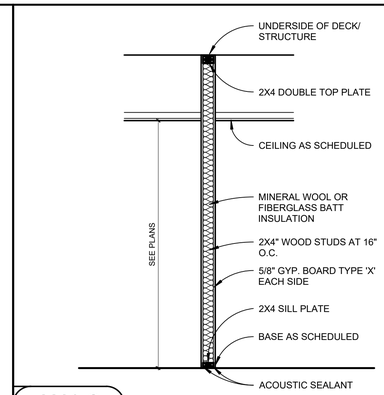
DOORS:
ST-1: MASONITE ARCHITECTURAL, CENDURA SERIES, WHITE BIRCH (PLAIN SLICED), COLOR TBD BY OWNER.



W4.1

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

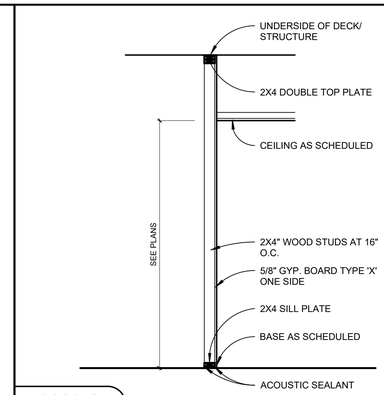
2X4 STUD PARTITION TO 6" ABOVE CEILING (INSULATED)



W4.2

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

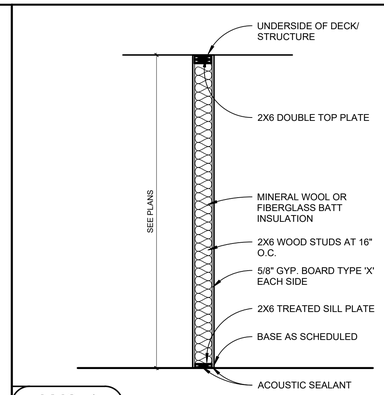
2X4 STUD PARTITION TO DECK (INSULATED)



W4.3

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

2X4 STUD FURRING (UNINSULATED)



W6.1

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

2X6 PARTITION TO DECK (INSULATED)

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In Association With

HOOSIER INDOOR AIR
HEATING + COOLING

Prepared For

Rich Brother Properties LLC

6080 N. Railroad Street
McCordsville, IN 46055

Project

Hoosier Indoor Air

6080 N. Railroad Street
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Certification

JOSEPH E. LEE
REGISTERED
No.
AR11700002
STATE OF
INDIANA
REGISTERED ARCHITECT

No.	Date	Description
-	02/25/2021	Review Set
-	03/06/2021	Review Set
-	04/06/2021	State Submittal Set

Drawn By: JEL
Reviewed By: JEL

Project Number: 21011

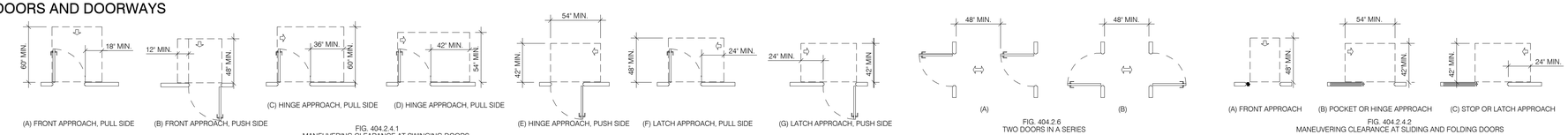
Sheet Title

Door, Window, Room Finish Schedules and Wall Types

Sheet Number

G002

DOORS AND DOORWAYS



(A) FRONT APPROACH, PULL SIDE (B) FRONT APPROACH, PUSH SIDE (C) HINGE APPROACH, PULL SIDE (D) HINGE APPROACH, PULL SIDE (E) HINGE APPROACH, PUSH SIDE (F) LATCH APPROACH, PULL SIDE (G) LATCH APPROACH, PUSH SIDE

FIG. 404.2.4.1
MANEUVERING CLEARANCE AT SWINGING DOORS

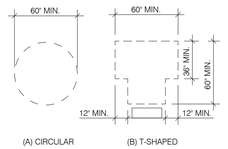
(A) (B)

FIG. 404.2.6
TWO DOORS IN A SERIES

(A) FRONT APPROACH (B) POCKET OR HINGE APPROACH (C) STOP OR LATCH APPROACH

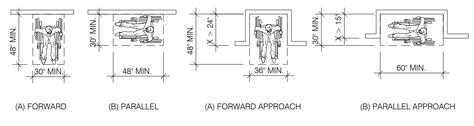
FIG. 404.2.4.2
MANEUVERING CLEARANCE AT SLIDING AND FOLDING DOORS

CLEAR FLOOR SPACE



(A) CIRCULAR (B) T-SHAPED

FIG. 304.3
SIZE OF WHEELCHAIR TURNING SPACE



(A) FORWARD (B) PARALLEL (A) FORWARD APPROACH (B) PARALLEL APPROACH

FIG. 405.5
POSITION OF CLEAR FLOOR OR GROUND SPACE

FIG. 305.7
MANEUVERING CLEARANCE IN AN ALCOVE

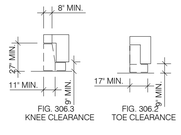


FIG. 306.3
KNEE CLEARANCE

FIG. 306.2
TOE CLEARANCE

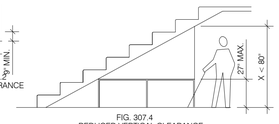


FIG. 307.4
REDUCED VERTICAL CLEARANCE

REACH RANGES

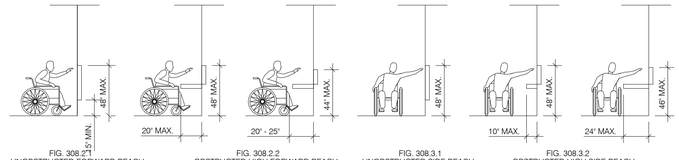


FIG. 308.2.1
UNOBSTRUCTED FORWARD REACH

FIG. 308.2.2
OBSTRUCTED HIGH FORWARD REACH

FIG. 308.3.1
UNOBSTRUCTED SIDE REACH

FIG. 308.3.2
OBSTRUCTED HIGH SIDE REACH

GENERAL SITE AND BUILDING ELEMENTS

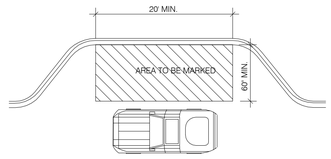


FIG. 503.3
PASSENGER LOADING ZONE ACCESS AISLE

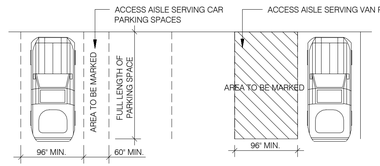
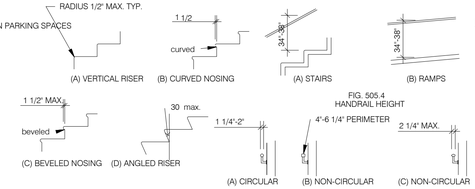


FIG. 502.2/502.3
VEHICLE PARKING SPACE/
PARKING SPACE ACCESS AISLE



(A) VERTICAL RISER (B) CURVED NOSING (A) STAIRS (B) RAMPS

FIG. 505.4
HANDRAIL HEIGHT

(C) BEVELED NOSING (D) ANGLED RISER

FIG. 504.5
STAIR NOSINGS

(A) CIRCULAR (B) NON-CIRCULAR (C) NON-CIRCULAR

FIG. 505.7
HANDRAIL CROSS SECTION

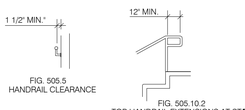


FIG. 505.5
HANDRAIL CLEARANCE

FIG. 505.10.2
TOP HANDRAIL EXTENSIONS AT STAIRS

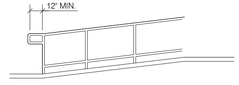


FIG. 505.10.1
TOP AND BOTTOM HANDRAIL EXTENSIONS AT RAMPS

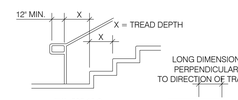


FIG. 505.10.2
BOTTOM HANDRAIL EXTENSIONS AT STAIRS

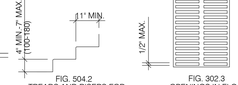


FIG. 504.2
TREADS AND RISERS FOR
ACCESSIBLE STAIRWAYS

BUILDING BLOCKS

FIG. 303.2
VERTICAL CHANGES IN LEVEL

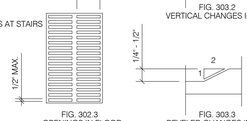


FIG. 302.3
OPENINGS IN FLOOR
OR GROUND SURFACES

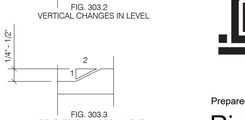


FIG. 303.3
BEVELED CHANGES IN LEVEL

COMMUNICATION ELEMENTS & FEATURES

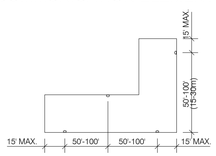
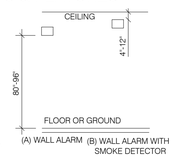


FIG. 702.3.5.1
APPLIANCE SPACING IN CORRIDORS



(A) WALL ALARM (B) WALL ALARM WITH SMOKE DETECTOR

FIG. 702.3.3.1
LOCATION OF WALL-MOUNTED APPLIANCES

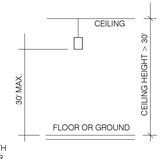
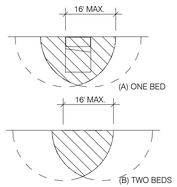


FIG. 702.3.3.2
LOCATION OF CEILING-MOUNTED APPLIANCES



(A) ONE BED (B) TWO BEDS

FIG. 702.3.6.2
APPLIANCE LOCATION IN SLEEPING ROOMS

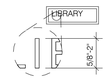


FIG. 703.2.4.4
CHARACTER HEIGHT

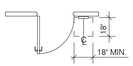
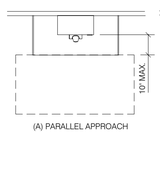
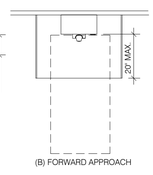


FIG. 703.2.8
MOUNTING LOCATION AT DOORS



(A) PARALLEL APPROACH



(B) FORWARD APPROACH

FIG. 704.2.1
CLEAR FLOOR OR GROUND
SPACE FOR TELEPHONES

PROTRUDING OBJECTS

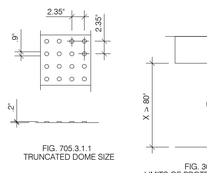


FIG. 705.3.1.1
TRUNCATED DOME SIZE

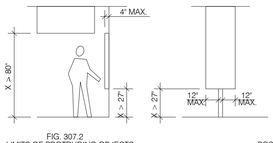


FIG. 307.2
LIMITS OF PROTRUDING OBJECTS

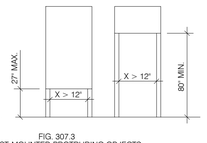
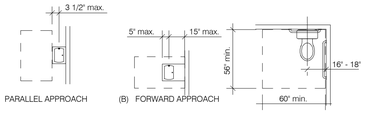


FIG. 307.3
POST-MOUNTED PROTRUDING OBJECTS

PLUMBING ELEMENTS AND FACILITIES



(A) PARALLEL APPROACH (B) FORWARD APPROACH

FIG. 602.5
DRINKING FOUNTAIN SPOUT LOCATION

FIG. 604.2/604.3.1
WATER CLOSET LOCATION/
SIZE CLEARANCE

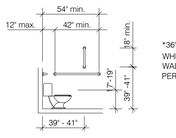


FIG. 604.4/604.5.1
HEIGHT OF WATER CLOSET/
SIDE WALL GRAB BAR FOR WATER CLOSET

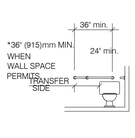


FIG. 604.5.2
REAR WALL GRAB BAR FOR WATER CLOSET

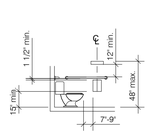
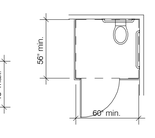
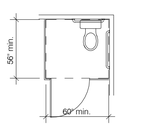


FIG. 604.7
DISPENSER LOCATION



(A) WALL-HUNG WATER CLOSET



(B) FLOOR-MOUNTED WATER CLOSET

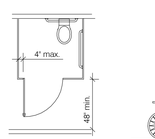


FIG. 604.8.3
TOILET COMPARTMENT DOORS

FIG. 604.8.1.1
WHEELCHAIR ACCESSIBLE TOILET COMPARTMENTS

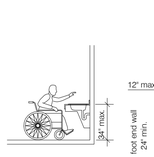


FIG. 606.3
HEIGHT OF LAVATORIES AND SINKS

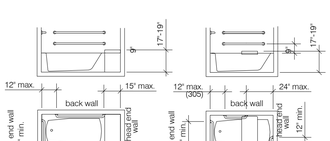


FIG. 607.4.1
GRAB BARS FOR BATHTUBS
WITH PERMANENT SEATS
(WITH FIG. 607.2 CLEARANCES)

FIG. 607.4.2
GRAB BARS FOR BATHTUBS
WITHOUT PERMANENT SEATS
(WITH FIG. 607.2 CLEARANCES)

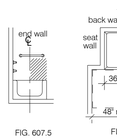


FIG. 607.5
LOCATION OF BATHTUB CONTROLS

FIG. 608.2.1/608.3.1
TRANSFER-TYPE SHOWER
COMPARTMENT WITH GRAB BARS

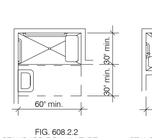


FIG. 608.2.2
STANDARD ROLL-IN-TYPE
SHOWER COMPARTMENT

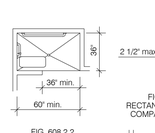
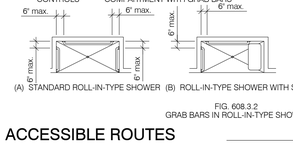


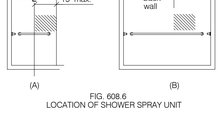
FIG. 608.2.2
STANDARD ROLL-IN-TYPE
SHOWER COMPARTMENT



(A) STANDARD ROLL-IN-TYPE SHOWER (B) ROLL-IN-TYPE SHOWER WITH SEAT (C) GRAB BARS IN ROLL-IN-TYPE SHOWERS

FIG. 608.3.2
GRAB BARS IN ROLL-IN-TYPE SHOWERS

FIG. 608.5
CONTROLS IN TRANSFER-TYPE
SHOWERS



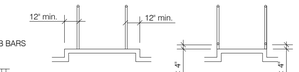
(A) (B)

FIG. 608.6
LOCATION OF SHOWER SPRAY UNIT

FIG. 610.3.1
RECTANGULAR SHOWER
COMPARTMENT SEAT

FIG. 610.3.2
L-SHAPED SHOWER
COMPARTMENT SEAT

FIG. 609.3
SPACING OF GRAB BARS



(A) EXTENDED SURFACE (B) CURB OR BARRIER

FIG. 405.9
RAMP EDGE PROTECTION

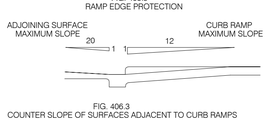
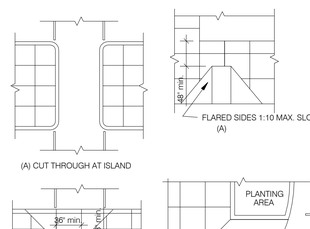


FIG. 406.3
COUNTER SLOPE OF SURFACES ADJACENT TO CURB RAMPS



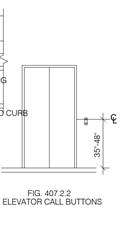


FIG. 407.2.2
ELEVATOR CALL BUTTONS

ACCESSIBLE ROUTES

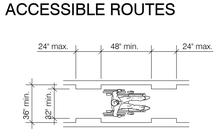


FIG. 403.5
CLEAR WIDTH OF AN ACCESSIBLE ROUTE

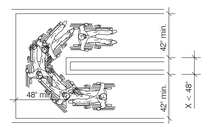


FIG. 403.5.1
CLEAR WIDTH AT TURN

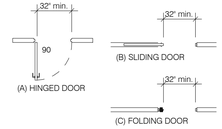
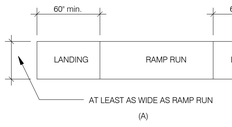


FIG. 404.2.3
CLEAR WIDTH OF DOORWAYS



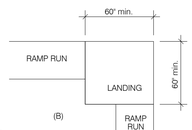
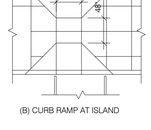


FIG. 405.7
RAMP LANDINGS



(B) CURB RAMP AT ISLAND

FIG. 406.12
ISLANDS

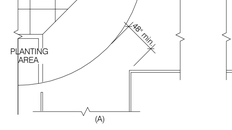


FIG. 406.11
DIGIINAL CURB RAMPS

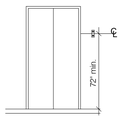


FIG. 407.2.3.2.1
HEIGHT OF ELEVATOR VISIBLE SIGNALS

1 Typical Accessibility Details
SCALE: NONE

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Sheet Title

Accessibility Details

Sheet Number

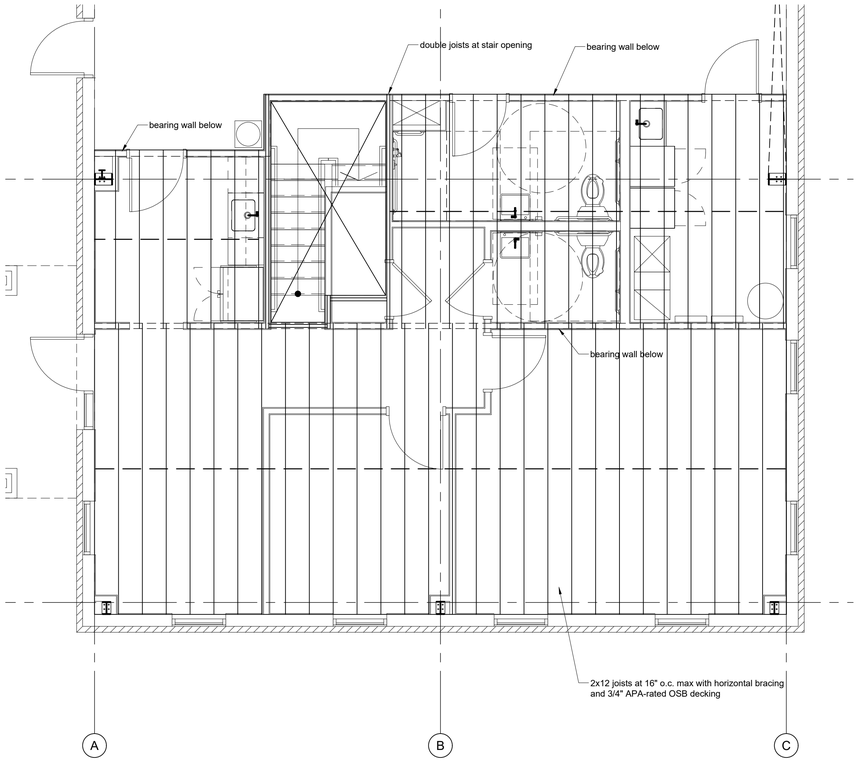
G101

FRAMING NOTES

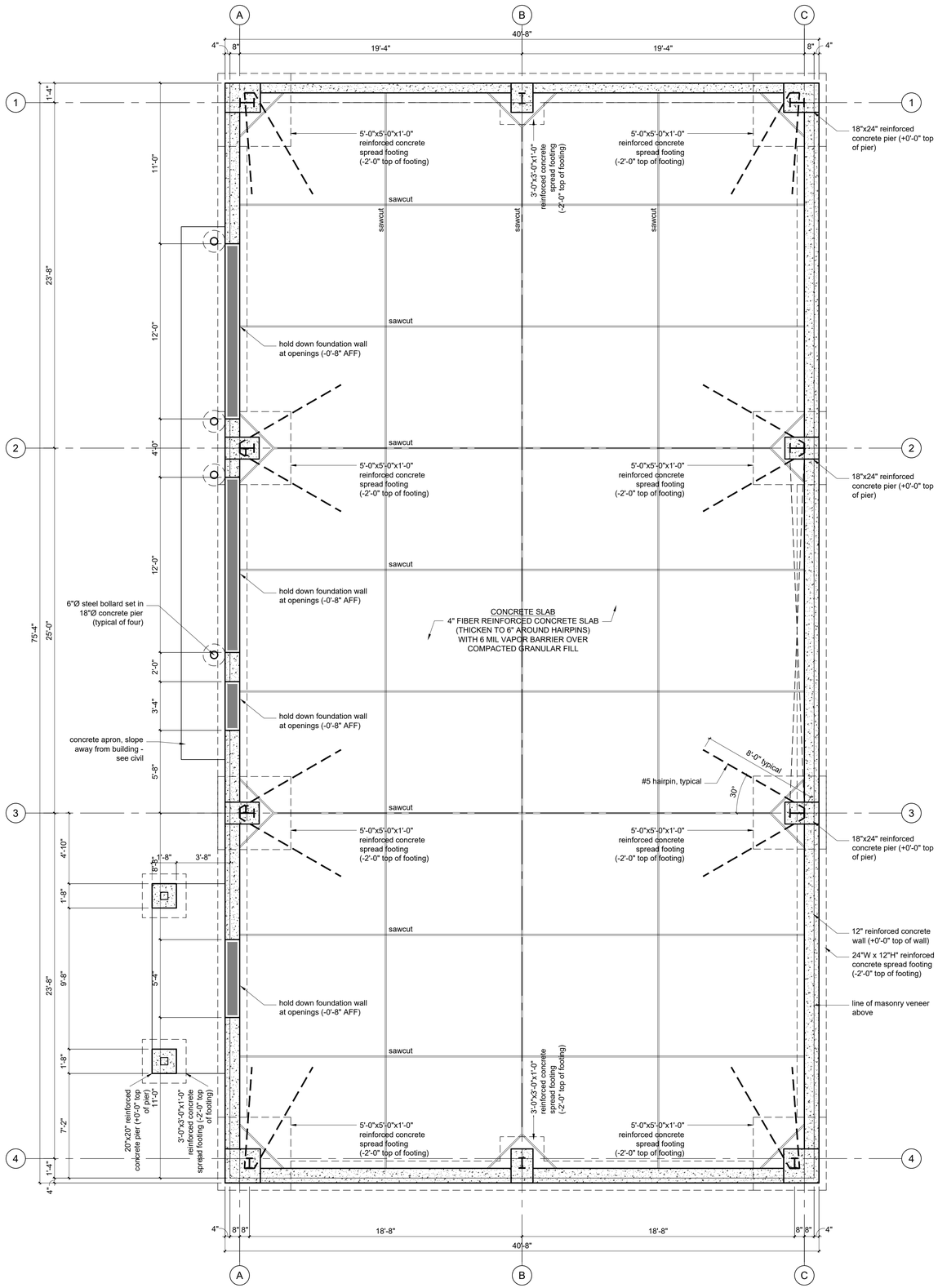
A. FLOOR/ROOF FRAMING / TRUSS NOTES: FRAMING DRAWING IS FOR ILLUSTRATION ONLY. ALL FRAMING SHALL BE INSTALLED & BRACED TO MANUFACTURERS DRAWINGS & SPECIFICATIONS.
B. ANY ENGINEERED WOOD PRODUCT SHALL CARRY MANUFACTURERS STAMP.
C. ANY ENGINEERED WOOD PRODUCT WILL NOT BE FIELD ALTERED WITHOUT PRIOR BUILDING DEPT. APPROVAL OF ENGINEERING CALCULATIONS.
D. ANY ENGINEERED WOOD PRODUCT SHALL HAVE DESIGN DETAILS & DRAWINGS ON SITE FOR FRAMING INSPECTION.
E. ALL CONNECTIONS OF RAFTERS, JACK OR HIP TRUSSES TO MAIN GIRDER TO BE PROVIDED BY LUMBER COMPANY / MANUFACTURER.
F. ALL ROOF FRAMING 24" O.C..
G. INSTALL SPRAY FOAM TYPE INSULATION AT FLOOR AND PLATE LINES, OPENINGS IN PLATES, CORNER STUD CAVITIES AND AROUND DOOR AND WINDOW ROUGH OPENING CAVITIES.
H. MIN. SNOW LOAD 30 LBS PER SQUARE FOOT.
I. ALL EXPOSED INSULATION IS TO HAVE A FLAME SPREAD RATING OF LESS THEN 25 AND A SMOKE DENSITY RATING OF LESS THAN 450.
J. SPECIFIC MANUFACTURES AND MODEL NUMBERS SHOWN ON THE PLANS ARE INDICATIONS OF QUALITY ONLY. THE OWNER/BUILDER SHALL NOT BE PROHIBITED FROM SUBSTITUTING MATERIALS AND/OR APPLIANCES OF EQUAL QUALITY/STRENGTHS FROM NON-SPECIFIED MANUFACTURERS.
K. THE OWNER/BUILDER SHALL NOT BE SUBSTITUTING MATERIALS PROVIDED THEY MEET CURRENT BLDG. CODE, AND ARE APPROVED FOR THAT SPECIFIC USE BY THE BUILDING OFFICIAL.
L. ALL WOOD JOISTS, POSTS, LAP SIDING, STRINGERS, PLATES, ARE TO BE OF TREATED WOOD PRODUCTS WITHIN 12" OR LESS OF CONTACT OF GRADE OR WITH DIRECT CONTACT TO CONCRETE. WOOD OVER CRAWLSPACE OTHER THAN WOOD PLATES IN CONTACT WITH CONCRETE ARE TO BE ENGINEERED WOOD PRODUCTS WITHIN A CONDITIONED CRAWLSPACE ENVIRONMENT.
M. WOOD SPECIES FOR CUT LUMBER SHALL BE #2 SOUTHERN PINE OR EQUIVALENT.
N. REFER TO PRE-ENGINEERED METAL BUILDING PACKAGE FOR EXTERIOR AND ROOF STRUCTURAL DESIGN LAYOUT AND CRITERIA.

FOUNDATION NOTES

1. ALL FOOTINGS TO REST ON CLEAN, FIRM UNDISTURBED SOIL. STEP FOOTINGS A REQUIRED TO MAINTAIN REQUIRED DEPTH BELOW FINISH GRADES.
2. CONCRETE STRENGTH, 3,000 PSI AT 28 DAYS FOR ALL SLABS. (FOUNDATION DESIGN BASED ON 2,500 PSI). 3,000 PSI AT 28 DAYS FOR ALL OTHER CONDITION. MAXIMUM SLUMP ,4"
3. USE ASTM A-615 GRADE 60 DEFORMED REINFORCING BARS UNLESS NOTED OTHERWISE
4. CONCRETE EXPASION ANCHORS SHALL BE 'SIMPSON WEDGE-ALL STUD ANCHORS' OR ENGINEER APPROVED EQUAL. EPOXY TO BE SIMPSON "SET" ADHESIVE OR APPROVED EQUAL.
5. INFILTRATION, ALL OPENINGS IN THE EXT. BLDG. ENVELOPE SHALL BE SEALED AGAINST AIR INFILTRATION. THE FOLLOWING AREAS MUST BE SEALED. * JOINTS AROUND WINDOW AND DOOR FRAMES * JOINTS BETWEEN WALL CAVITY AND WINDOW/DR. FME. * JOINTS BETWEEN WALL AND FOUNDATION * JOINTS BETWEEN WALL AND ROOF * JOINTS BETWEEN WALL PANELS * UTILITY PENETRATIONS THROUGH EXTERIOR WALLS
6. REFER TO CERTIFIED PRE-ENGINEERED METAL BUILDING ANCHOR BOLT LAYOUT AND ADDITIONAL SEISMIC AND WIND LOAD REACTIONS.



2 Second Floor Framing Plan
SCALE: 1/4" = 1'-0"



1 Foundation Plan
SCALE: 1/4" = 1'-0"

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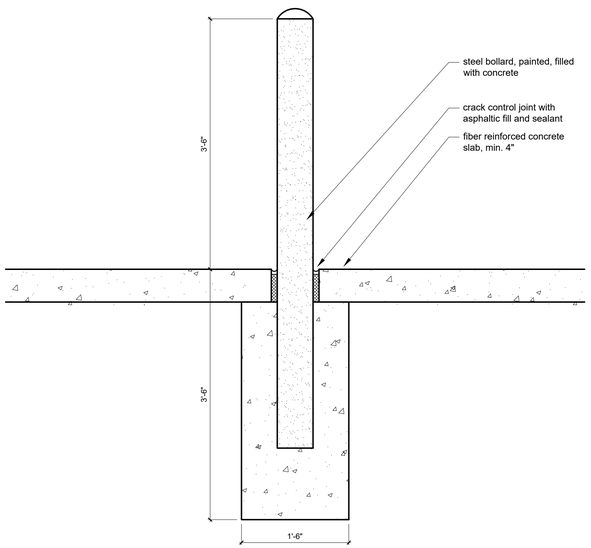
Sheet Title

Foundation and Framing Plans

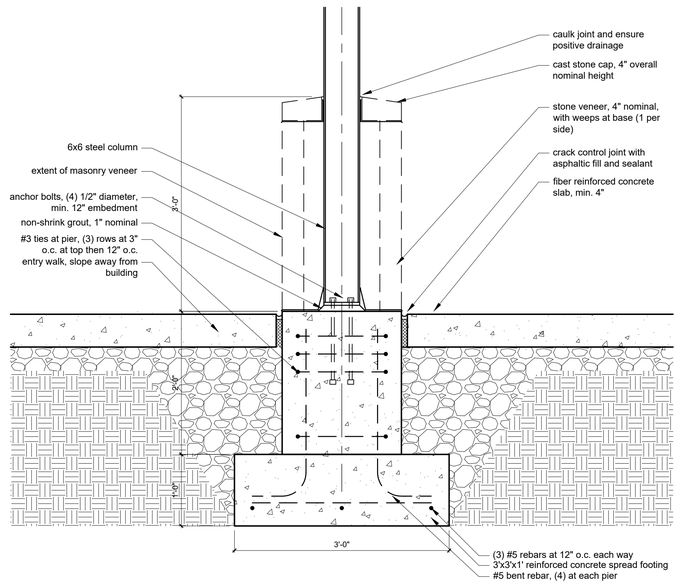
Sheet Number

S101



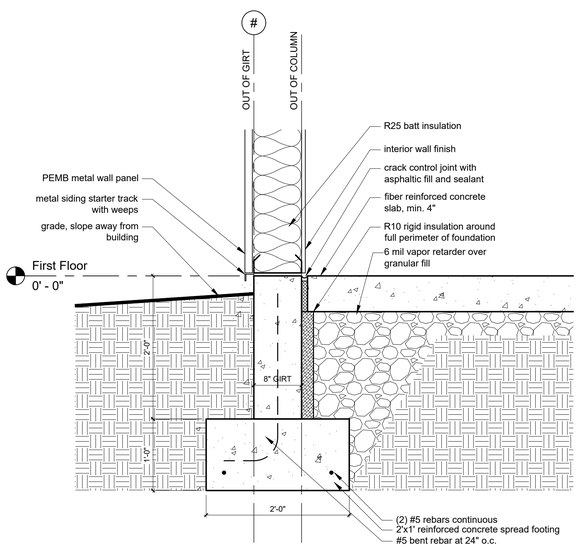
5 Bollard Detail

SCALE: 1" = 1'-0"



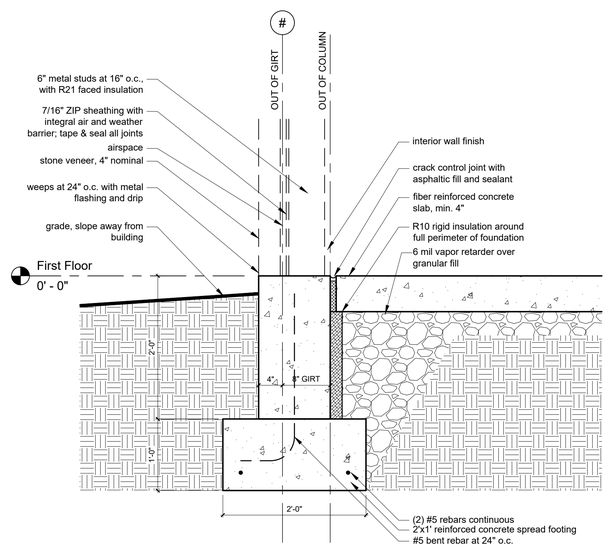
4 Canopy Pier Detail

SCALE: 1" = 1'-0"



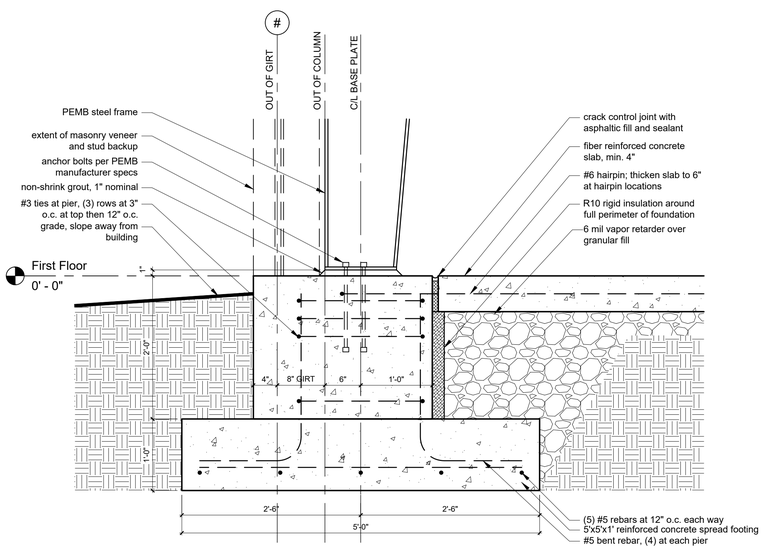
3 Endwall Foundation Wall Detail

SCALE: 1" = 1'-0"



2 Sidewall Foundation Wall Detail

SCALE: 1" = 1'-0"



1 PEMB Pier Detail

SCALE: 1" = 1'-0"

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Foundation Details

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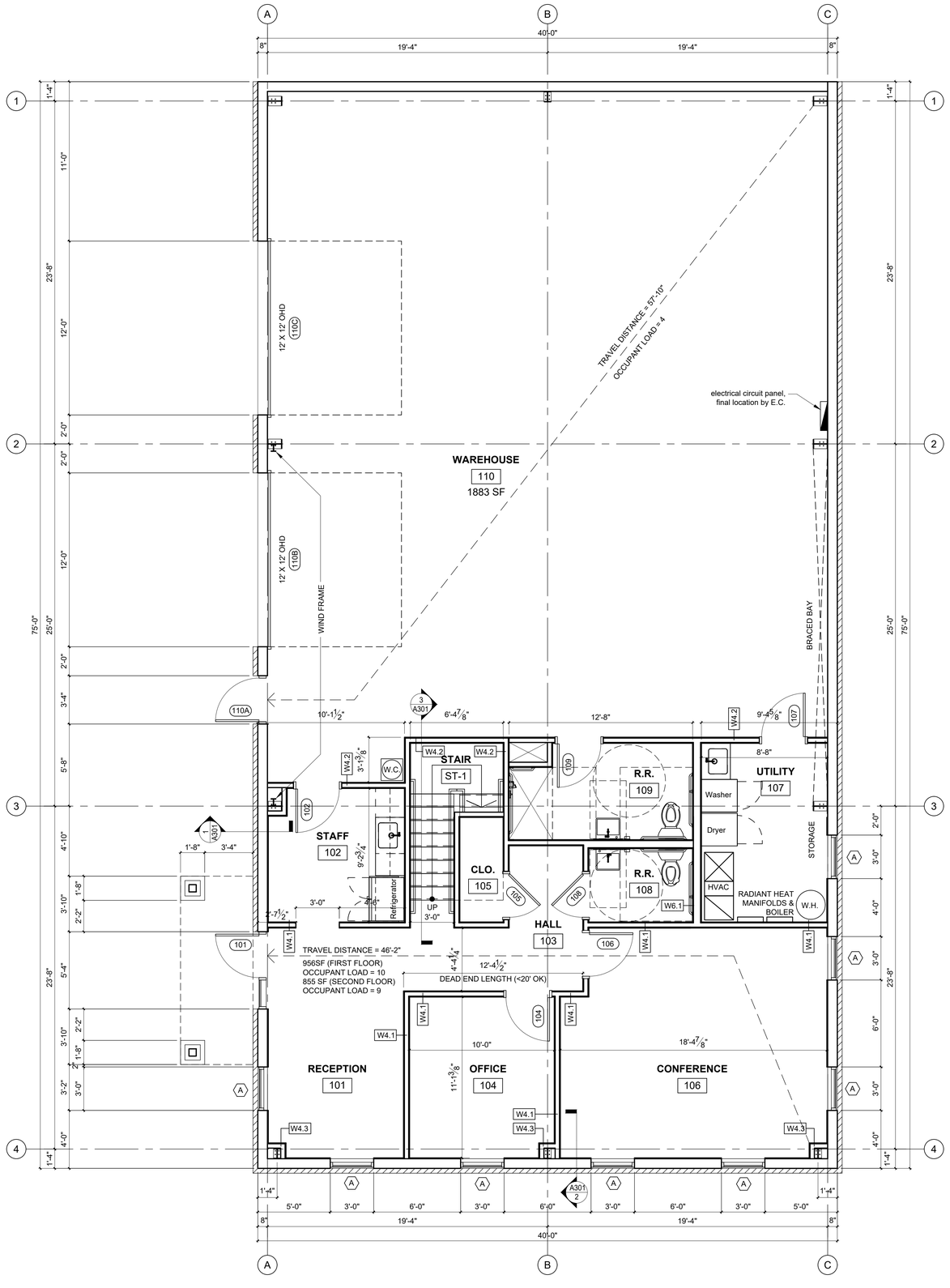
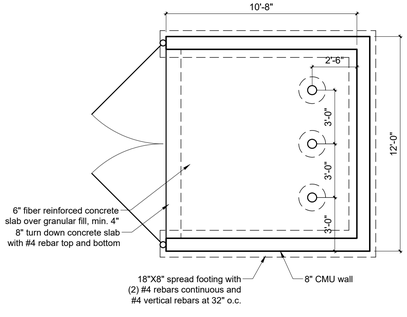
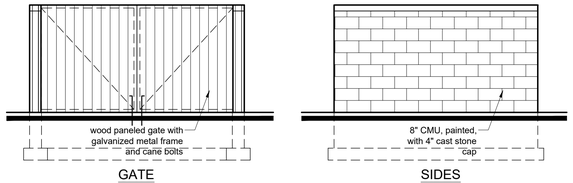
S201



1 First Floor Plan
SCALE: 1/4" = 1'-0"





2 Trash Enclosure Details
SCALE: 1/4" = 1'-0" (SEE CIVIL)

CONSTRUCTION LEGEND

- DENOTES AREA NOT IN CONTRACT
- NEW WALL
- OVERHEAD CONSTRUCTION
- NEW WALL PARTITION. REFER TO GENERAL SHEETS FOR ADDITIONAL INFORMATION. (S4.1)

GENERAL CONSTRUCTION NOTES

1. REFER TO SHEET G101 FOR DOOR TYPES AND WALL DETAILS
2. PROVIDE BLOCKING IN WALLS TO ACCOMMODATE ALL CASEWORK AND WALL MOUNTED EQUIPMENT.

CONSTRUCTION KEYNOTES

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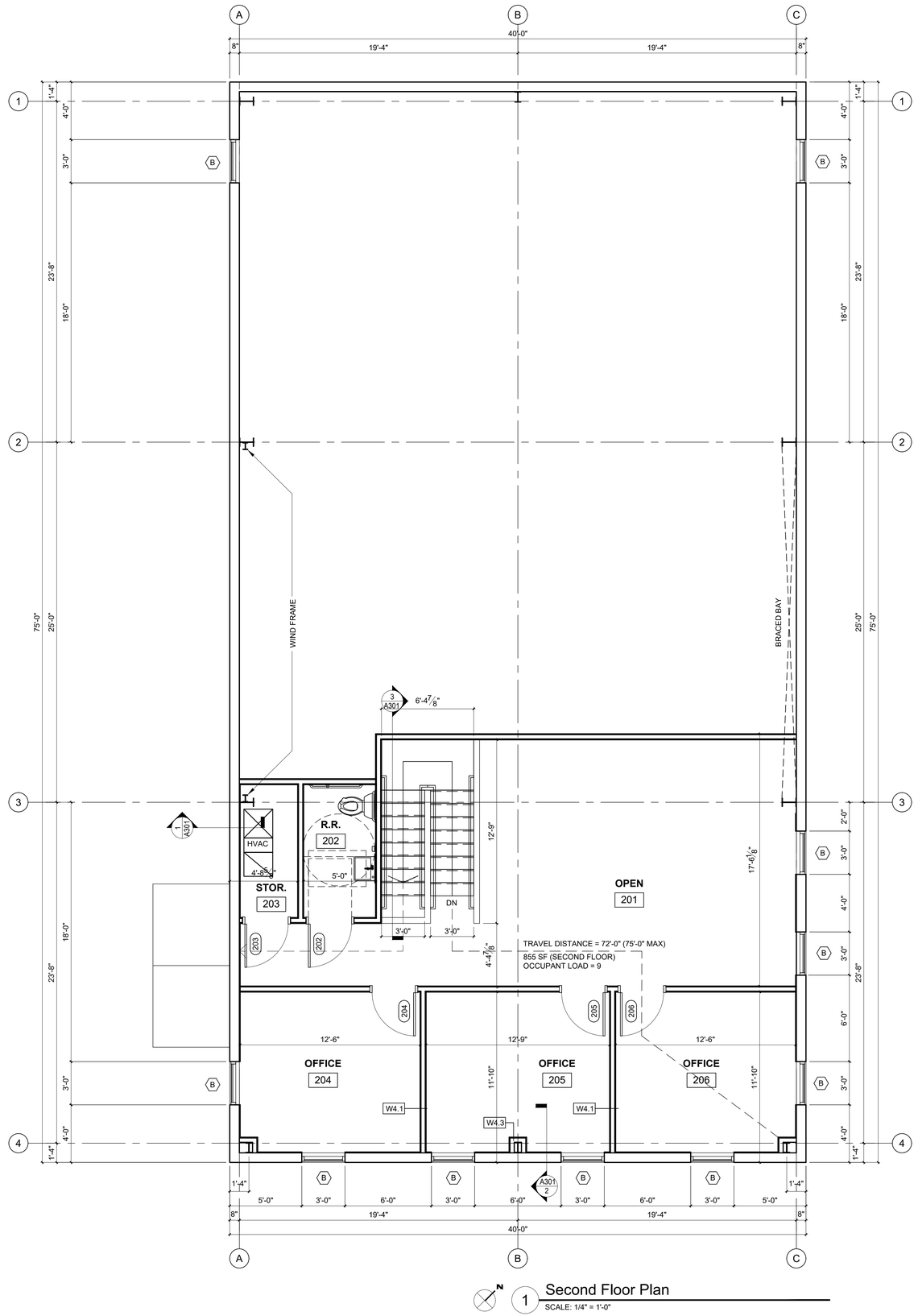
Sheet Title

First Floor Plan

Sheet Number

A101



1 Second Floor Plan

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

CONSTRUCTION LEGEND

- DENOTES AREA NOT IN CONTRACT
- NEW WALL
- OVERHEAD CONSTRUCTION
- S4.1 NEW WALL PARTITION. REFER TO GENERAL SHEETS FOR ADDITIONAL INFORMATION.

GENERAL CONSTRUCTION NOTES

1. REFER TO SHEET G101 FOR DOOR TYPES AND WALL DETAILS
2. PROVIDE BLOCKING IN WALLS TO ACCOMMODATE ALL CASEWORK AND WALL MOUNTED EQUIPMENT.

CONSTRUCTION KEYNOTES

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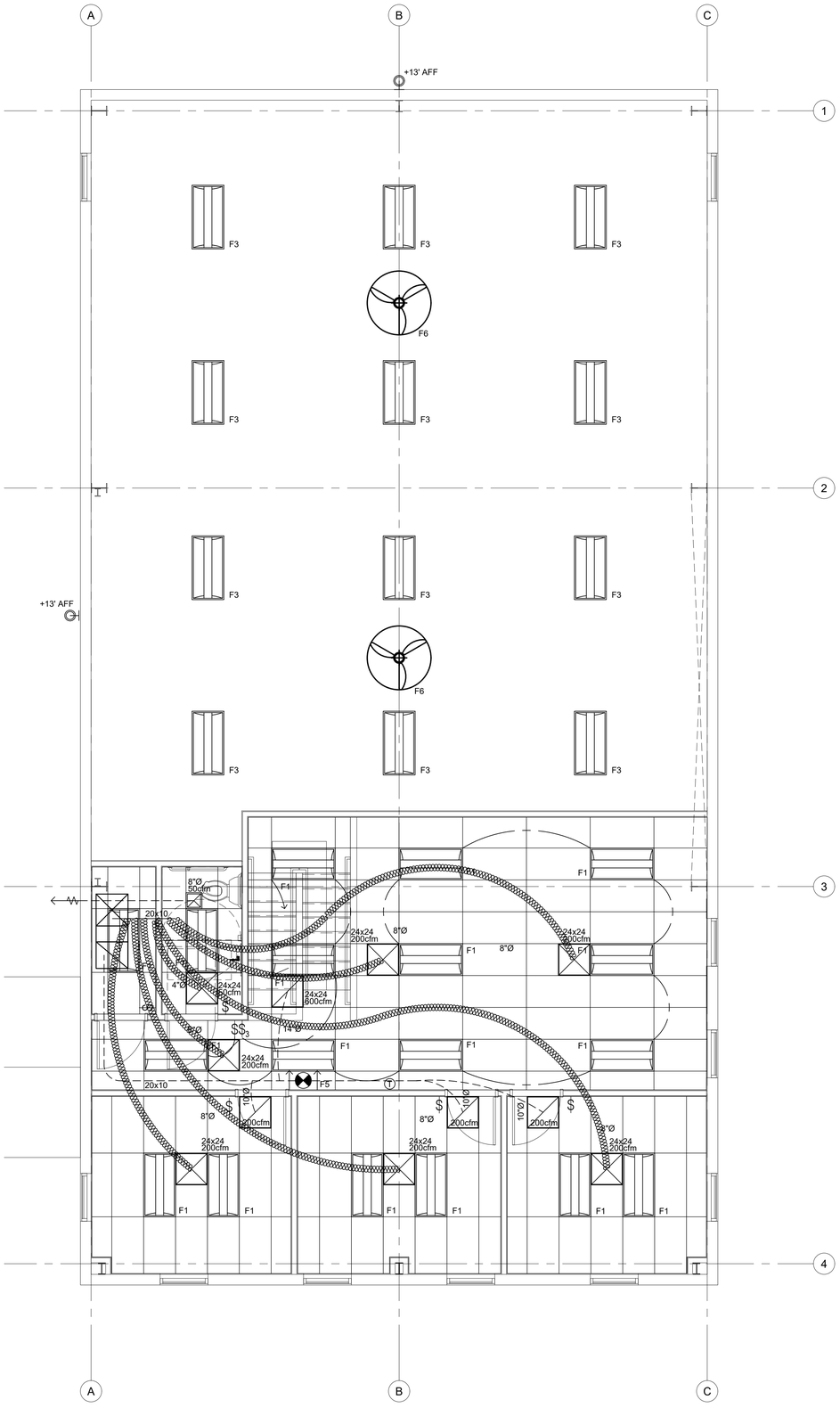
Sheet Title

Second Floor Plan

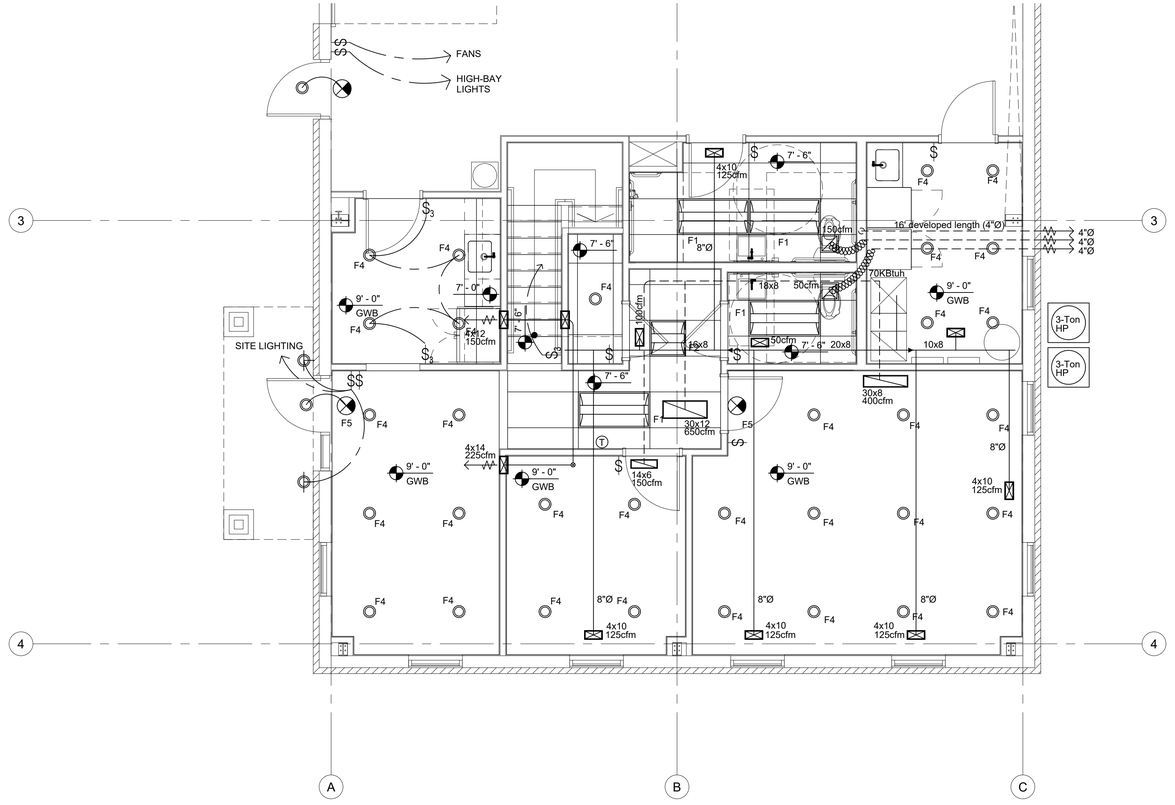
Sheet Number

A102



2 Second Floor Reflected Ceiling Plan

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



1 First Floor Reflected Ceiling Plan

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

ELECTRICAL SYMBOLS

$	SINGLE POLE SWITCH (3=3WAY, D=DIMMER)		220V OUTLET
J	JUNCTION BOX		RECESSED DOWNLIGHT
T	THERMOSTAT		LAY-IN LIGHT FIXTURE
	EQUIPMENT SHUTOFF		
	DUPLEX OUTLET (GFI=GROUND FAULT INTERRUPT; WP=WATERPROOF)		
TV TD	T-COM DEVICE (TV = CABLE; TD = DATA)		
	ELECTRICAL PANEL		

NOTE:
1. Coordinate final power, phone/data, and lighting locations with Owner.
2. Coordinate final switching with Owner.
3. All face plates, switches, and outlets to be white.
4. Final circuiting to existing electrical panels shall be coordinated by the EC.
5. Refer to electrical layout plan for device placement.

MECHANICAL SCHEDULE

TYPE	DESCRIPTION
FIRST FLOOR AHU	70,000 BTUH, 80% EFFICIENCY MIN.
SECOND FLOOR AHU	70,000 BTUH, 80% EFFICIENCY MIN.
HEAT PUMPS	(2) 3-TON, 13 SEER MIN.
EXHAUST FANS	BROAN OR EQUAL, CFM PER PLAN
CIRCULATION FANS	6" DIAMETER
RADIANT HEAT BOILER	TRINITY 285,000 BTUH BOILER #TFT-285 WITH (2) MANIFOLDS

NOTE:
1. Thermostat for each system located per plan.
2. All diffusers and grilles to be white.
3. Final duct layouts per M.C.
4. Flexible duct parameters per IMC Chapter 6.

LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION
F1	2X4 LAY-IN FIXTURE, COLUMBIA "VERSIFY" LED, 38W, VSY24-35-HLHE-EDU
F2	2X2 LAY-IN FIXTURE, COLUMBIA "VERSIFY" LED, 38W, VSY2235-HLHE-EDU
F3	HIGH-BAY FIXTURE
F4	RECESSED 5" CAN, LED, 13W
F5	EXIT SIGN, WHITE HOUSING, RED LETTERING
F6	60" CEILING FAN, WHITE, NO LIGHT

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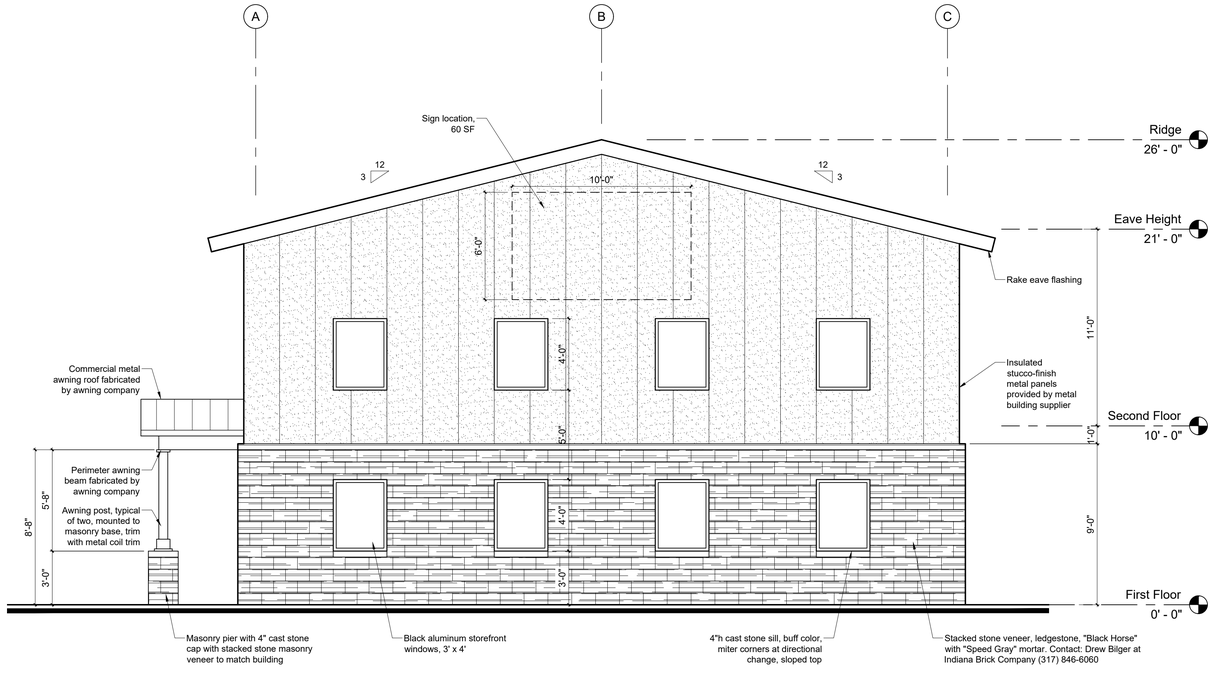
Reflected Ceiling and Mechanical Plans

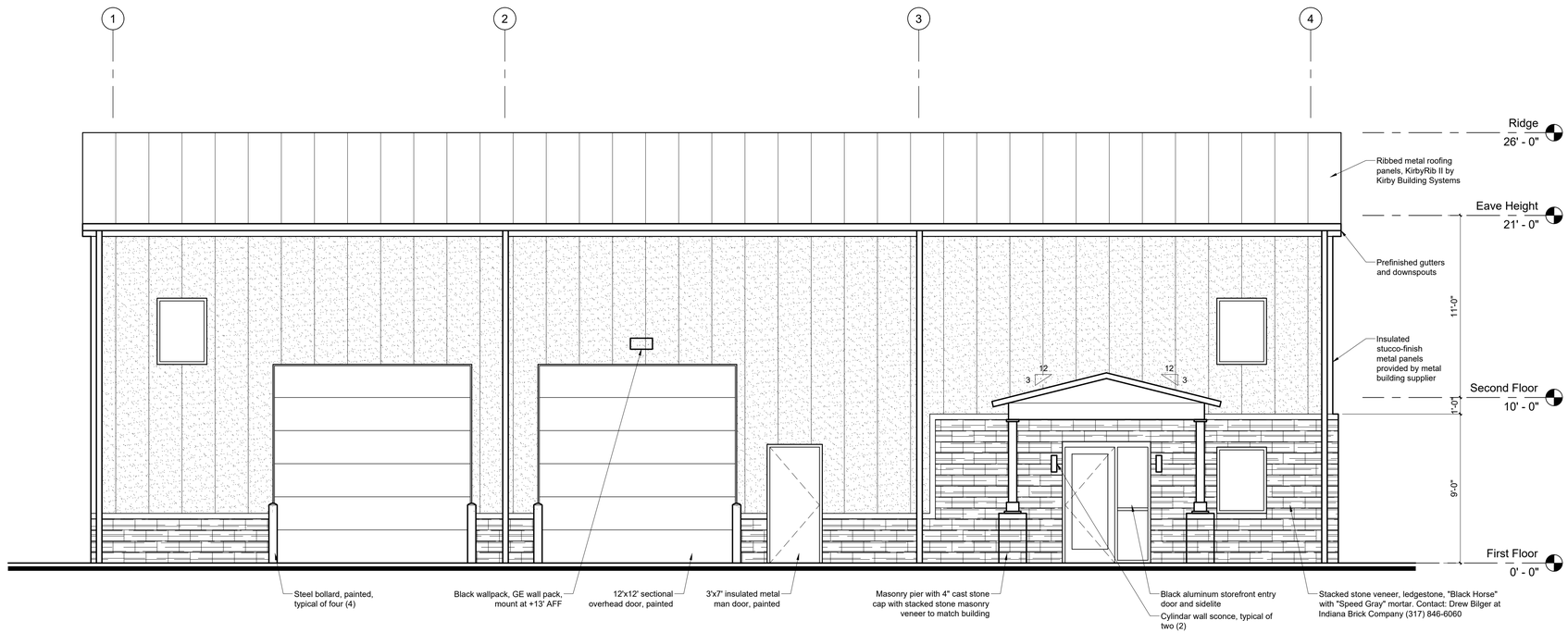
Sheet Number

A121

3 Stone Veneer Mockup
SCALE: NONE



2 South Elevation
SCALE: 1/4" = 1'-0"



1 West Elevation
SCALE: 1/4" = 1'-0"

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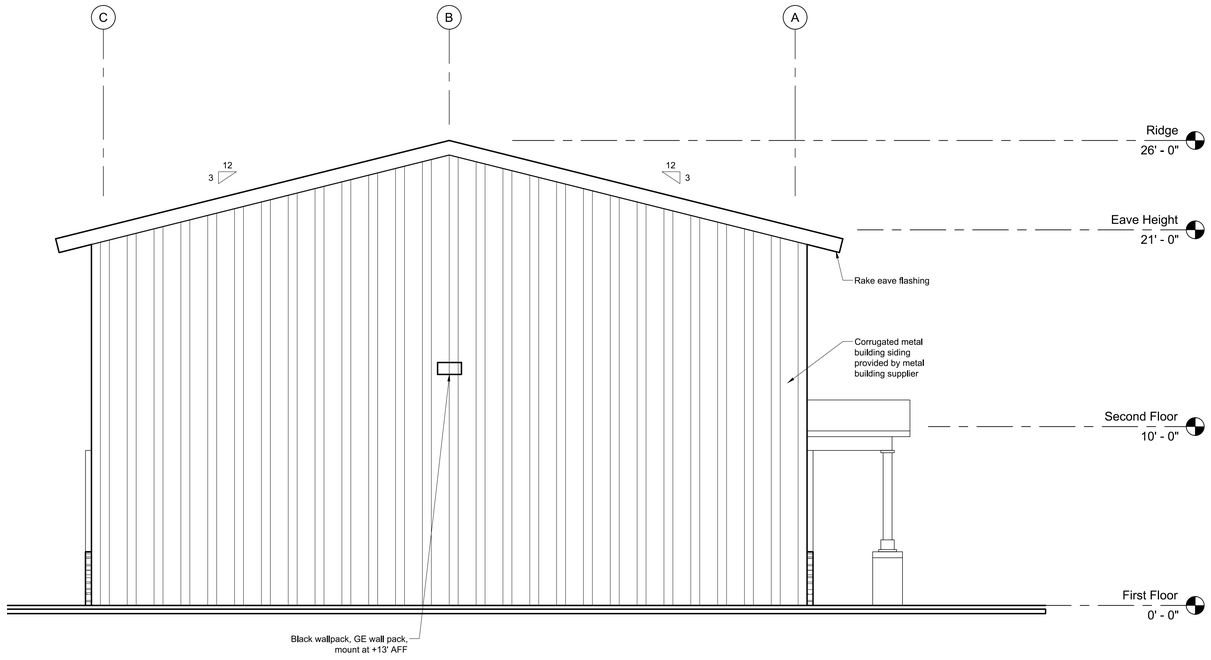
Sheet Title

Building Elevations

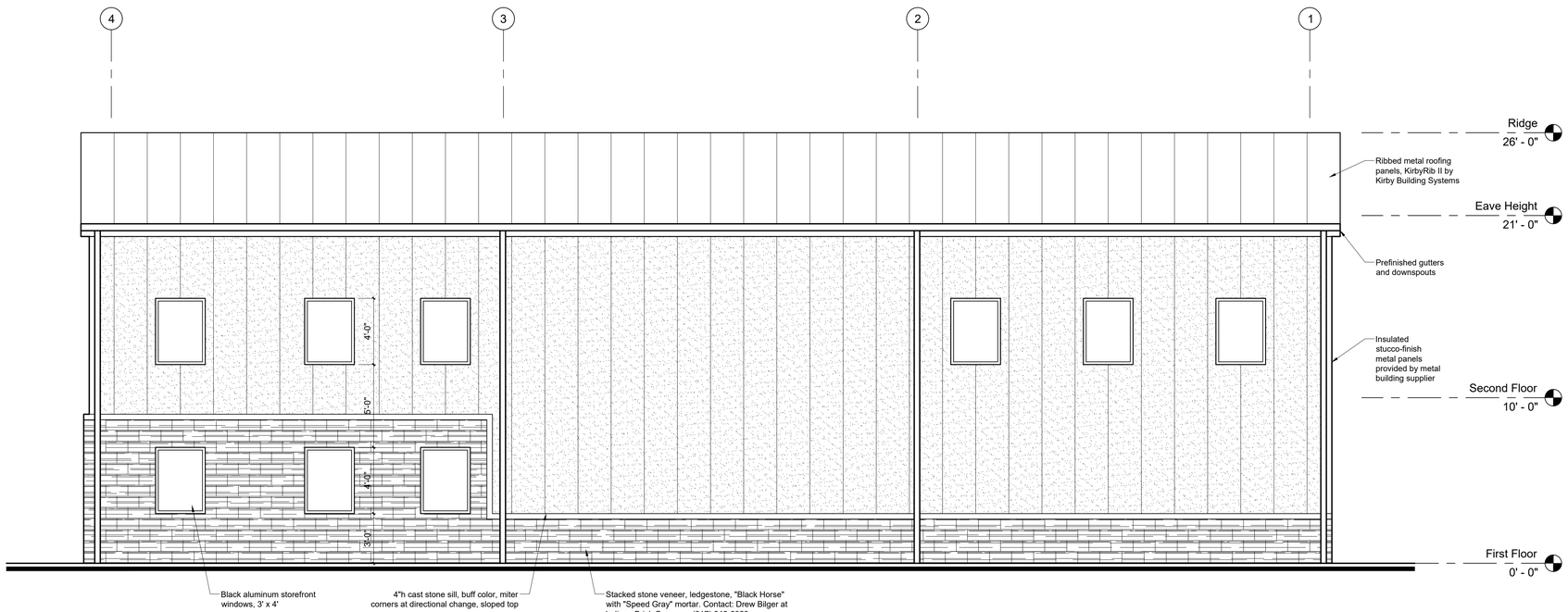
Sheet Number

A201



2 North Elevation

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



1 East Elevation

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

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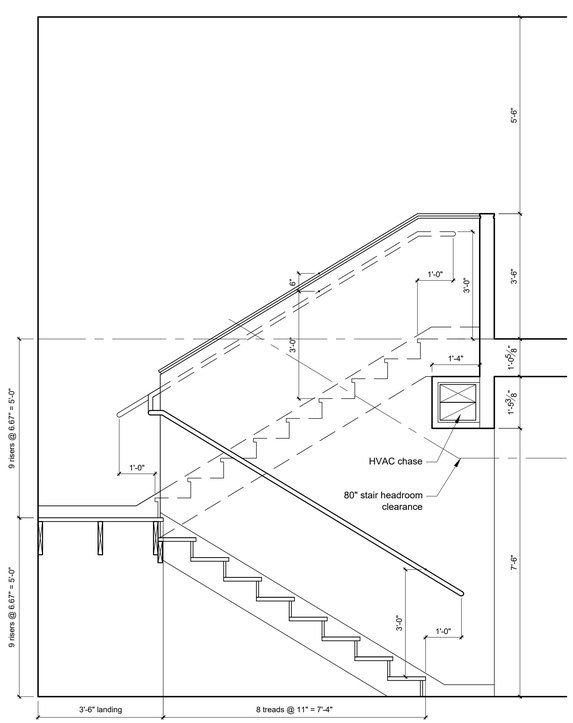
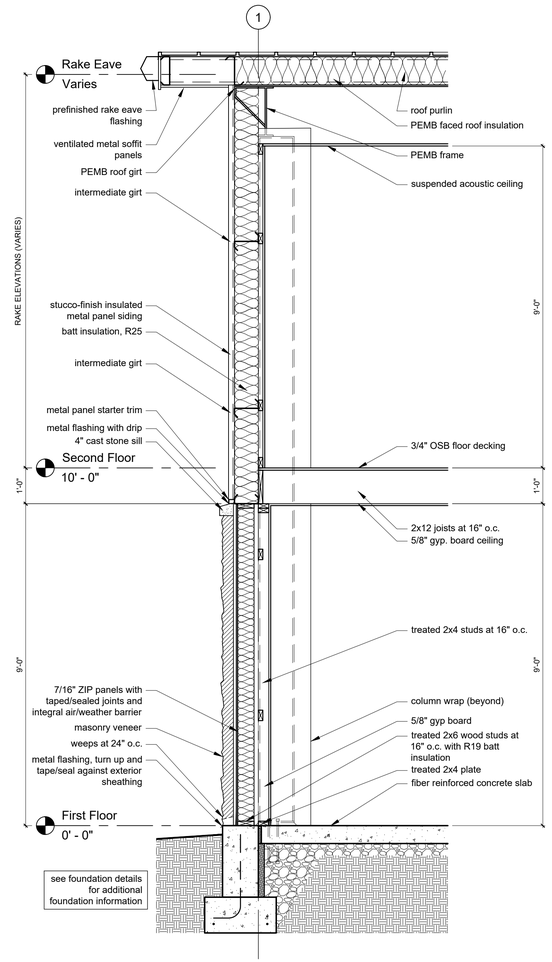
Building Elevations

Sheet Number

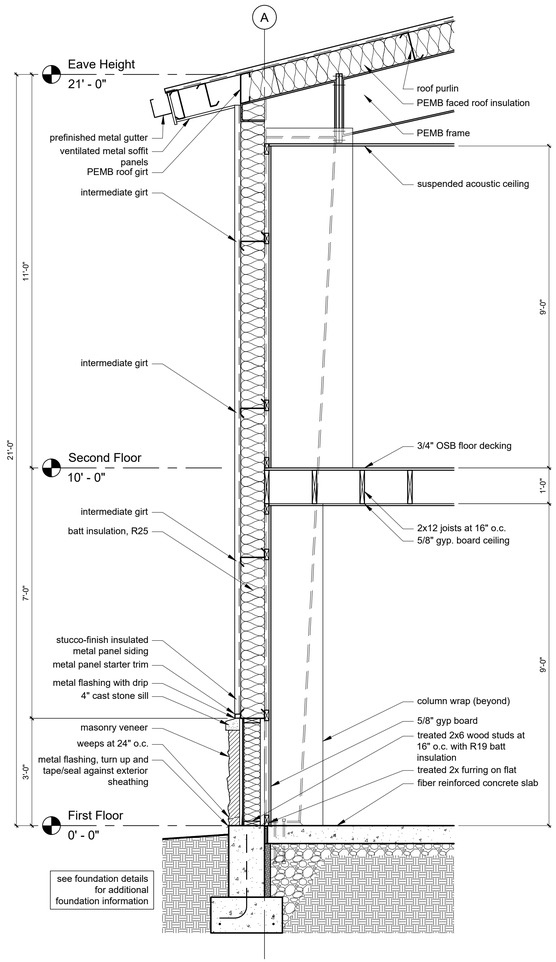
A202



3 Stair Section
SCALE: 1/2" = 1'-0"



2 Endwall Wall Section
SCALE: 1/2" = 1'-0"



1 Sidewall Wall Section
SCALE: 1/2" = 1'-0"

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www.theprogressstudio.com

In Association With

HOOSIER INDOOR AIR
HEATING + COOLING

Prepared For

Rich Brother Properties LLC

6080 N. Railroad Street
McCordsville, IN 46055

Project

Hoosier Indoor Air

6080 N. Railroad Street
McCordsville, IN 46055

Certification

JOSEPH E. LASE
REGISTERED
No. AR11700002
STATE OF INDIANA
REGISTERED ARCHITECT

No.	Date	Description
-	02/25/2021	Review Set
-	03/06/2021	Review Set
-	04/06/2021	State Submittal Set

Drawn By: JEL
Reviewed By: JEL

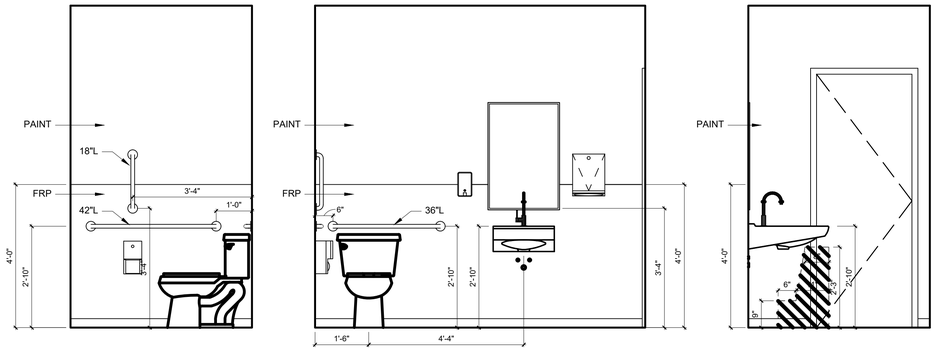
Project Number: 21011

Sheet Title

Wall Sections

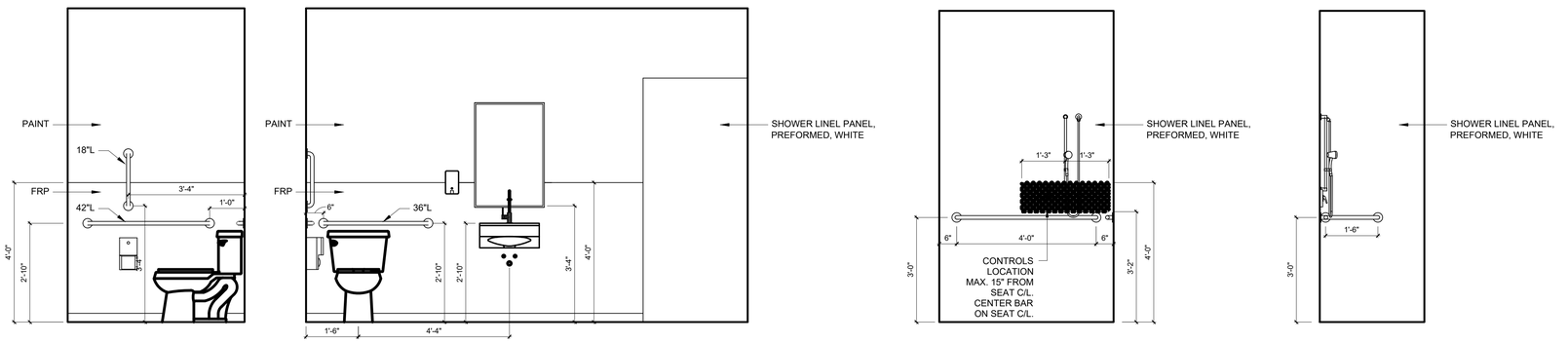
Sheet Number

A301



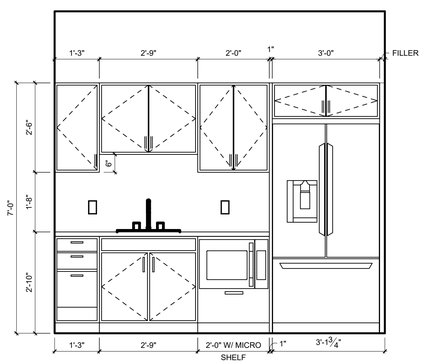
4 RR 202 Elevations

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



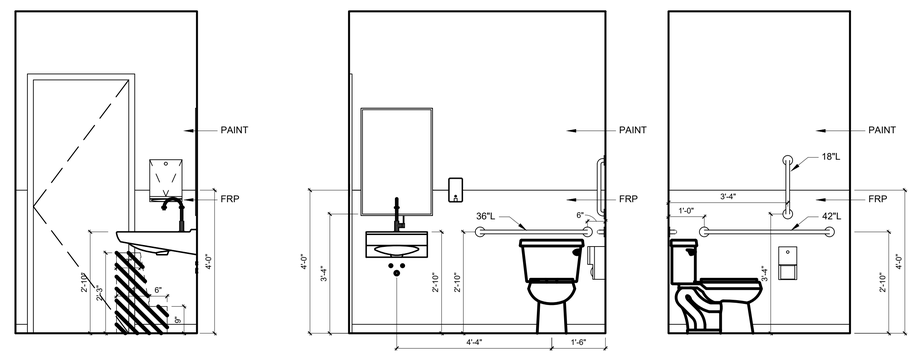
3 RR 109 Elevations

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



2 Staff 102 Elevation

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



1 RR 108 Elevations

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

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Drawn By: JEL
Reviewed By: JEL

Project Number: 21011

Sheet Title

Interior Elevations and Details

Sheet Number

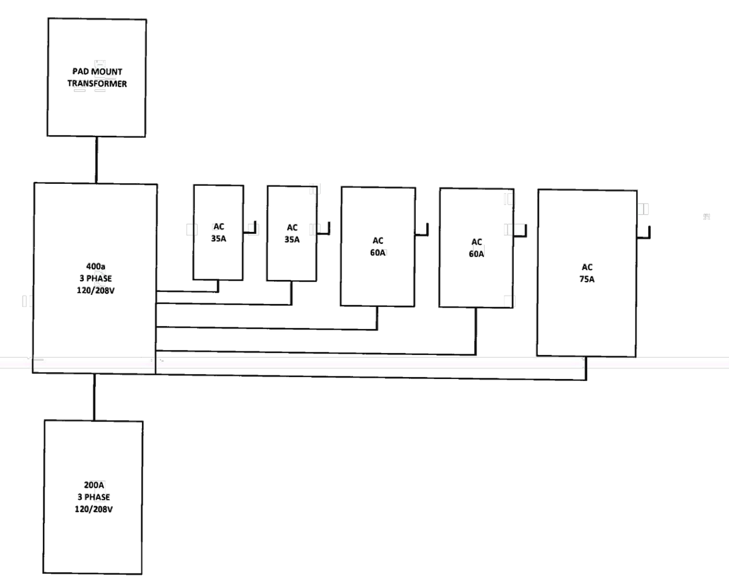
A401

PANELBOARD: AAA	SOURCE: UTILTIY		
VOLTAGE:	208/120 V,3P,4W		
1		2	
3	AC-1	4	AIR HANDLER-1
5		6	
7		8	
9	AC-1	10	AIR HANDLER-2
11		12	
13	SPARE	14	
15		16	ELECTRIC BOILER
17	SPARE	18	
19		20	
21	SPARE	22	SPARE
23	SPARE	24	
25		26	SPACE
27	SPARE	28	SPACE
29		30	SPACE
31	SPACE	32	
33	SPACE	34	PANEL BBB
35	SPACE	36	
37	SPACE	38	
39	SPACE	40	SPD
41	SPACE	42	

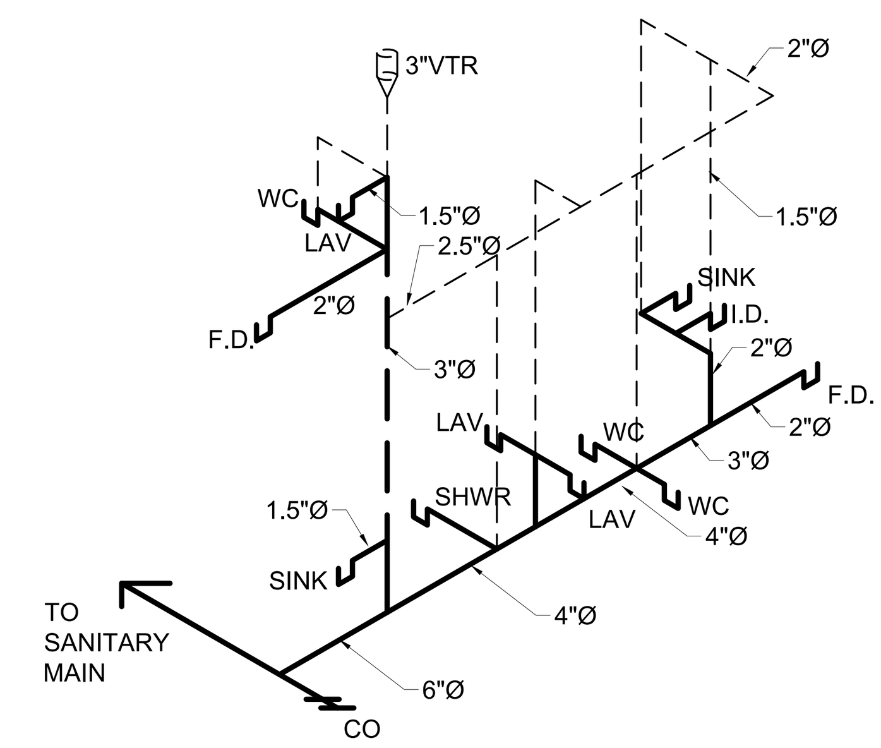
HUSTON powering innovation — Huston Electrical Services (317)804-9009 www.hustonelectric.com Westfield, IN

PANELBOARD: BBB	SOURCE: AAA		
VOLTAGE:	208/120,3P,4W		
1		2	
3	SPACE	4	SPACE
5		6	
7		8	LTNG WAREHOUSE
9	SPACE	10	LTNG WAREHOUSE
11		12	2ND FLOOR OUTLETS
13		14	2ND FLOOR OUTLETS
15	SPACE	16	2ND FLOOR OUTLETS
17		18	2ND FLOOR OUTLETS
19	LTNG 2ND FLOOR OFFICE	20	2ND FLOOR OUTLETS
21	LTNG 1ST FLOOR OFFICE	22	2ND FLOOR OUTLETS
23	OUTLETS WAREHOUSE	24	2ND FLOOR OUTLETS
25	OUTLETS WAREHOUSE	26	2ND FLOOR OUTLETS
27	OUTLETS WAREHOUSE	28	1ST FLOOR OUTLETS
29	OUTLETS WAREHOUSE	30	1ST FLOOR OUTLETS
31	OUTLETS WAREHOUSE	32	1ST FLOOR OUTLETS
33	SPACE	34	1ST FLOOR OUTLETS
35	SPACE	36	1ST FLOOR OUTLETS
37	SPD	38	
39	SPD	40	SPACE
41	SPD	42	

HUSTON powering innovation — Huston Electrical Services (317)804-9009 www.hustonelectric.com Westfield, IN



4 Electrical Service Diagram
SCALE: NONE



3 Plumbing Riser Diagram
SCALE: NONE

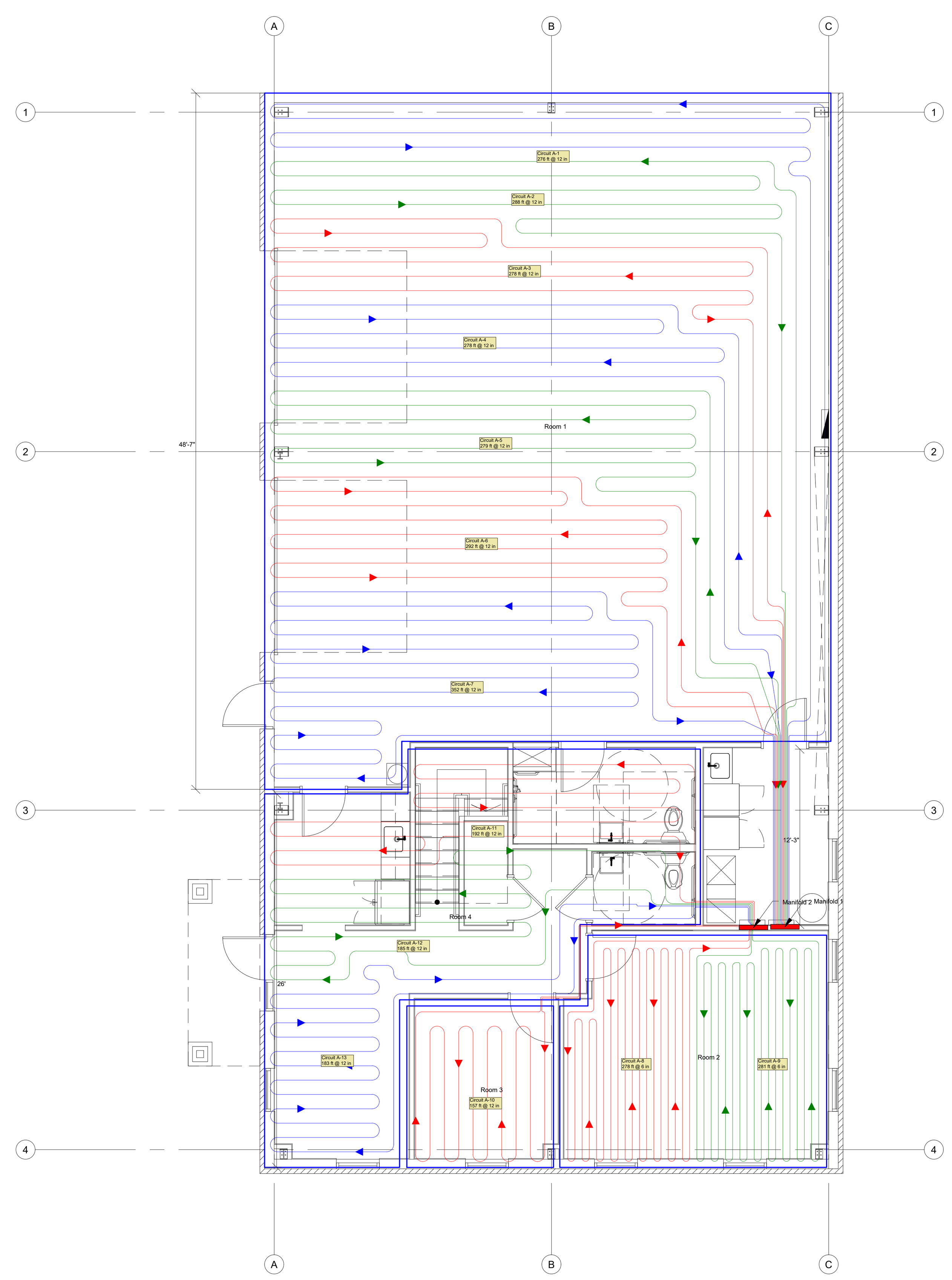
ELECTRICAL SYMBOLS

Symbol	Description	Symbol	Description
$	SINGLE POLE SWITCH (3=3WAY, D=DIMMER)		220V OUTLET
Ⓙ	JUNCTION BOX	O	RECESSED DOWNLIGHT
Ⓣ	THERMOSTAT		LAY-IN LIGHT FIXTURE
	EQUIPMENT SHUTOFF		
	DUPLEX OUTLET (GFI=GROUND FAULT INTERRUPT; WP=WATERPROOF)		
TV	T-COM DEVICE (TV = CABLE; TD = DATA)		
	ELECTRICAL PANEL		

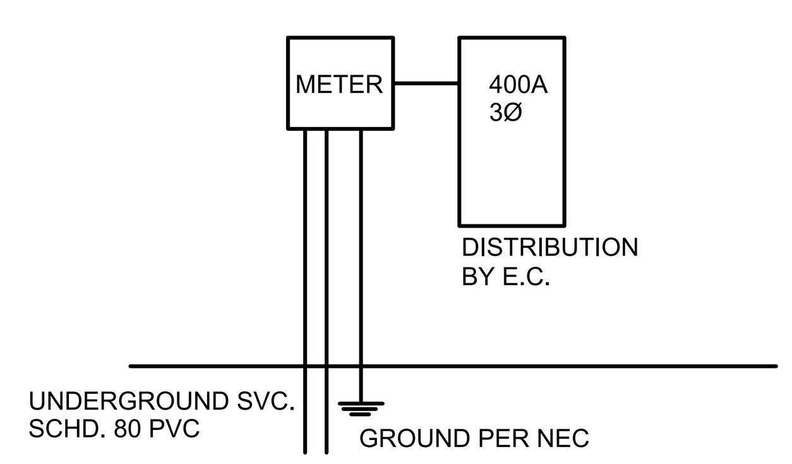
NOTE:
1. Coordinate final power, phone/data, and lighting locations with Owner.
2. Coordinate final switching with Owner.
3. All face plates, switches, and outlets to be white.
4. Final circuiting to existing electrical panels shall be coordinated by the EC.
5. Refer to electrical layout plan for device placement.

LIGHT FIXTURE SCHEDULE

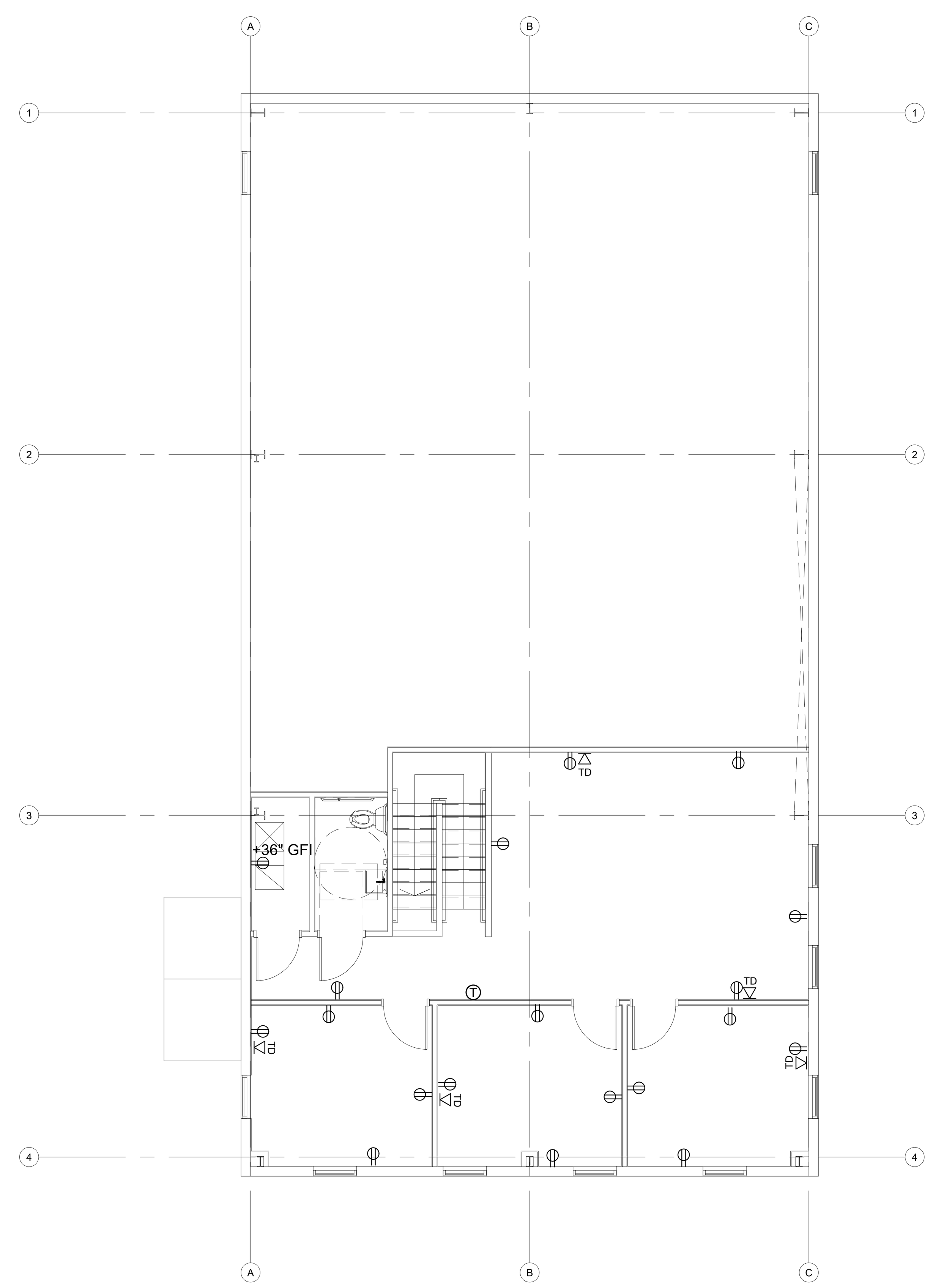
TYPE	DESCRIPTION
F1	2X4 LAY-IN FIXTURE, COLUMBIA "VERSIFY" LED, 38W, VSY24-35-HLHE-EDU
F2	2X2 LAY-IN FIXTURE, COLUMBIA "VERSIFY" LED, 38W, VSY2235-HLHE-EDU
F3	HIGH-BAY FIXTURE
F4	RECESSED 5" CAN, LED, 13W
F5	EXIT SIGN, WHITE HOUSING, RED LETTERING
F6	60" CEILING FAN, WHITE, NO LIGHT



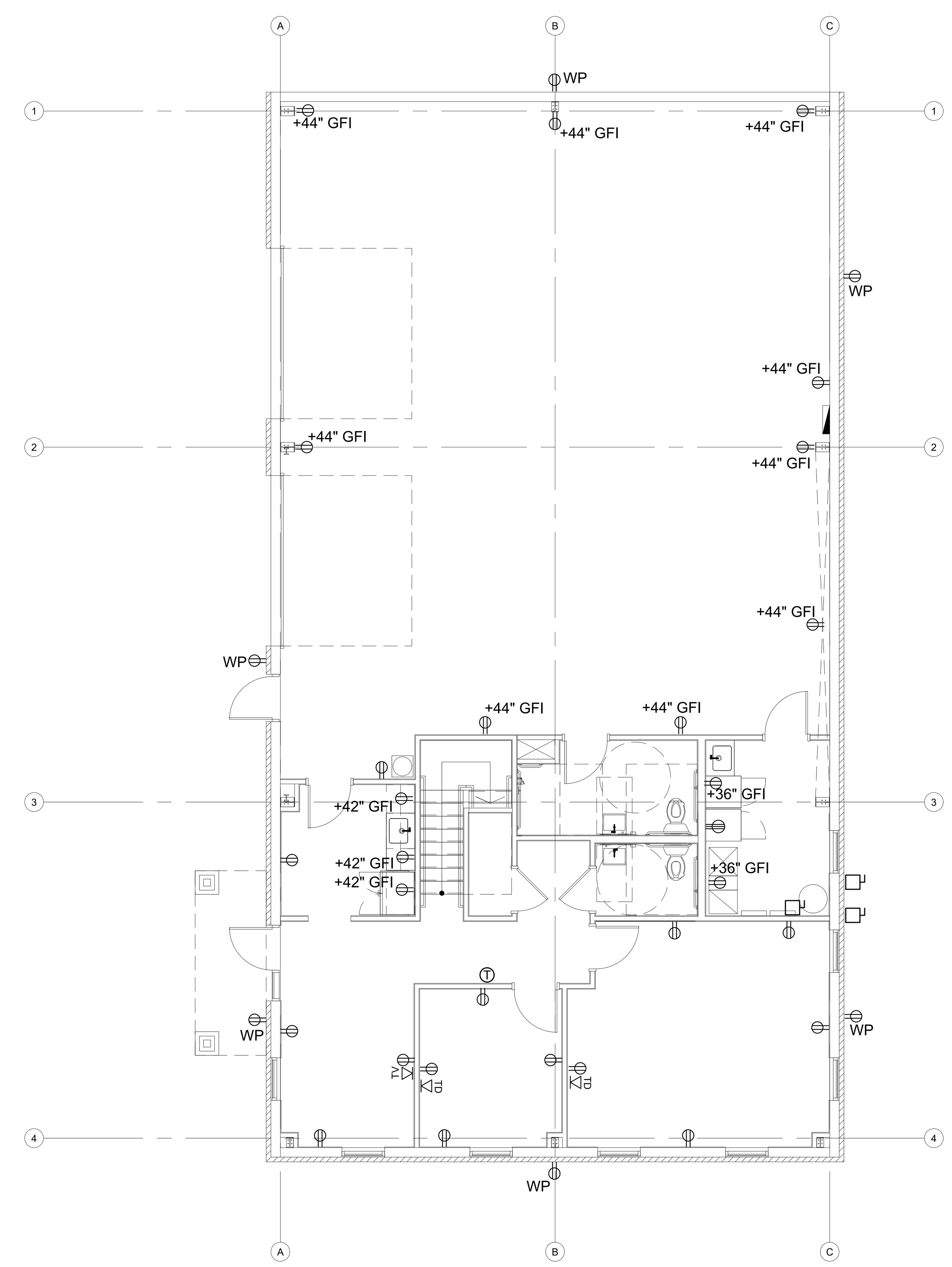
5 Radiant Heat Loop Plan
SCALE: 1/8" = 1'-0"



4 Electrical Grounding Diagram
SCALE: NONE



2 Second Floor Power/Data Plan
SCALE: 1/8" = 1'-0"



1 First Floor Power/Data Plan
SCALE: 1/8" = 1'-0"

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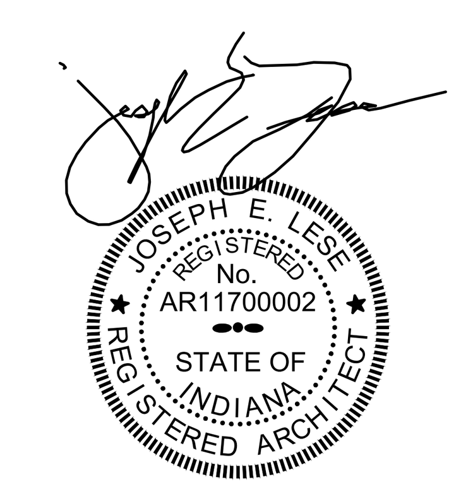


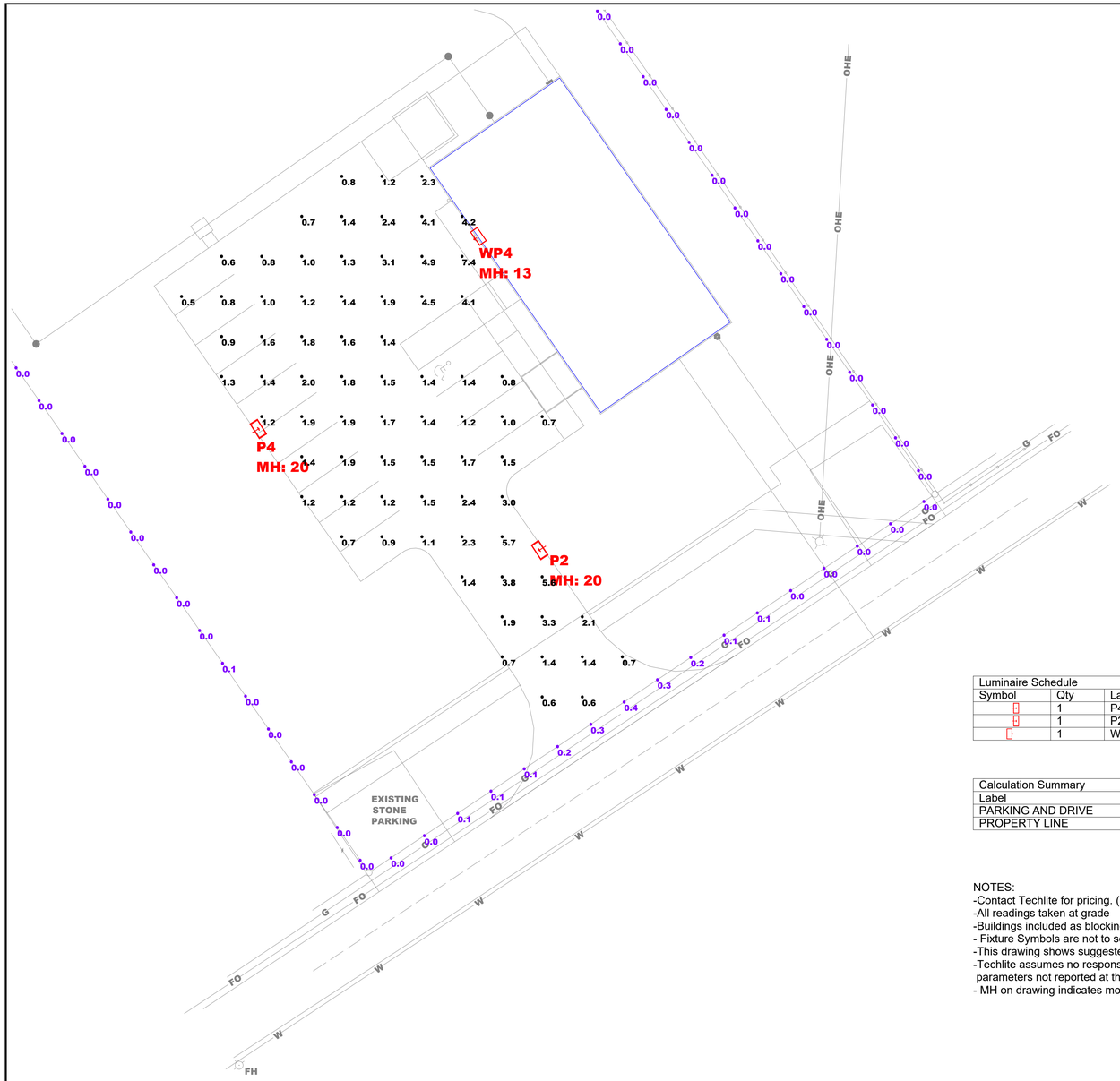
No.	Date	Description
-	02/25/2021	Review Set
-	03/06/2021	Review Set
-	04/06/2021	State Submittal Set

Drawn By: JEL
Reviewed By: JEL

Project Number: 21011

Sheet Title
Power and Data Location Plan and Details

Sheet Number
AE101



Luminaire Schedule							
Symbol	Qty	Label	Arrangement	LLF	Description	Arr. Watts	Total Watts
	1	P4	SINGLE	0.920	GE EALS-03-VOLT-C4-AH-7-40-DIM-CONT-MNT-COLOR & POLE @20'AFG	50	50
	1	P2	SINGLE	0.920	GE EALS-03-VOLT-C2-AN-7-40-DIM-CONT-MNT-COLOR & POLE @20'AFG	50	50
	1	WP4	SINGLE	0.920	GE EWAS-01-VOLT-C4-AF-7-40-CONT-FUNC-FM-FINISH @13'AFG	56	56

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PARKING AND DRIVE	Illuminance	Fc	1.86	7.4	0.5	3.72	14.80
PROPERTY LINE	Illuminance	Fc	0.02	0.4	0.0	N.A.	N.A.

NOTES:
-Contact Techlite for pricing. (317) 578-2626
-All readings taken at grade
-Buildings included as blocking entities
- Fixture Symbols are not to scale
-This drawing shows suggested fixtures and mounting locations based on the information provided.
-Techlite assumes no responsibility for variation of light levels that result from changes in project parameters not reported at the time of design.
- MH on drawing indicates mounting height from finished grade

Techlite Corporation
7711 Lantern Road
Fishers, IN 46038
317.578.2626 P
317.578.2727 F
www.techlitecorp.com

TECHLITE
ILLUMINATING SINCE 1987

#	Date	Comments
-	-	-

Revisions

Drawn By: SLB
Checked By: LB
Date:3/17/2021
Scale: 1/16"=1'

Site Photometry

McCordonsville Site

Item # bci4077060

WAC Lighting 3000K Cylinder Wall Mount Light

Model:**WS-W190208-30-BK**

Write a Review

$69.95

Free Shipping!

Leaves the Warehouse in 1 to 3 business days - Shipping to 46202

Finish: Black - 500 In Stock

− 1 + Add to Cart

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Card '

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Customers Also Viewed

Westinghouse Exton 8" Tall Wall Sconce

★★★★★

$37.58

Access Lighting Punch 12" Tall LED Wall Sconce - 3000K

$108.00

Eglo Ascoli Single Light 5" with Clear Glass Shade

$80.14

— Overview

Chat

Product Overview

3000K Cylinder Wall Mount Light

Additional WAC Lighting Links

- View the Manufacturer Warranty
- Browse all WAC Lighting Products

This product is listed under the following manufacturer number(s):

WAC Lighting WS-W190208-30-BK

Black

Related WAC Lighting Categories

Related WAC Lighting Categories

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Ceiling Fan Accessories
WAC Limited
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Recessed Lighting
Outdoor Lighting
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GE Evolve™
LED Area Lighting
EALS-03 & EALP-03

current
powered by GE

Product Features

The **EAL Area Light** luminaires offer a wide range of optical patterns, color temperatures, lumen packages, and mounting configurations to optimize area light applications, as well as provide versatility in lighting design within the same form-factor. They are ideal for commercial property site-lighting applications such as retail and commercial exteriors. The EALS (standard) area light has a lumen range from 7,500-30,000 lumens. The EALP (premium) offers a similar lumen range of 25,000 to 70,000 lumens but with higher LPW and better lumen maintenance.

Both the **EALS-03** and **EALP-03** feature our innovative, highly flexible Universal Mounting Arm option, which provides installers the ability to mount the EAL fixtures on both round and square poles of multiple sizes. In addition, it features both in-line and offset bolt patterns which enable it to easily be affixed to the majority of the bolt patterns one would encounter in the field.

Applications

- Site and area light applications such as parking lots, retail exteriors, commercial exteriors, roadways and other general lighting applications

Housing

- Slim architectural design incorporates an integral heat sink and light engine, ensuring maximum heat transfer, and long LED life.
- Die cast aluminum housing
- 3G vibration per ANSI C136.31-2010

LED & Optical Assembly

- LM-79 tests and reports in accordance with IESNA standards
- Upward Light Output Ratio (ULOR) = 0 (horizontal orientation)
- 70CRI at 3000K, 4000K and 5000K
- Distributions: II, III, IV, V

Lumen Maintenance

- Projected Lxx per IES TM-21 at 25 °C for reference:

EALS03 Optical code	Lxx (10k) @ Hours 25,000 hr	50,000 hr	100,000 hr
C2, C3, C4, C5, D2, D3, D4, D5	L95	L92	L86
F5, H2, H3, H4, H5	L95	L92	L86
F2, F3, F4, J2, J3, J4, J5	L94	L89	L81
K2, K3, K4, K5	L94	L89	L81

EALP03 Optical code	Lxx (10k) @ Hours 25,000 hr	50,000 hr	100,000 hr
J5, K2, K3, K4, K5	L97	L96	L94
L2, L3, L4, L5, M2, M3, M4, M5	L97	L96	L94
J2, J3, J4, N2, N3, N4, N5	L94	L91	L84
P2, P3, P4, P5, Q2, Q3, Q4, Q5	L94	L91	L84

Note: 1) Projected Lxx based on LM80 (10,000 hour testing). 2) DOE Lighting Facts Verification Testing Tolerances apply to initial luminous flux and lumen maintenance measurements

Lumen Ambient Temperature Factors:

Ambient Temp (°C)	Initial Flux Factor
10	1.02
20	1.01
25	1.00
30	0.99
40	0.98

DLC Standard qualified models available. Please refer to http://www.designlights.org/QPL for complete information.

DLC Premium qualified models available. Please refer to http://www.designlights.org/QPL for complete information.

Ratings

- cUL Listed
- UL 1598 Listed Suitable for Wet Locations
- IP65 optical enclosure per ANSI C136.25-2013
- Operating Temperature –40°C to +40°C (maximum of +35°C for 570W)
- California Title 24 compliant (w/ "H" motion sensor option)

Mounting

Option C1: Integral Slipfitter for 1.25"-2" Pipe (1.66 in. OD-2.378 in. OD) supplied with leads. +/- 5 deg adjustment for leveling.

Option D1: Universal Mounting Arm, fitted for round or square pole mounting supplied with 16/3 3ft cable.

Option K1: Knuckle Slipfitter for 1.9 in.-2.3 in. OD Tenon with leads. Restricted aiming angle 0° to +45°.

Option S1: Knuckle Slipfitter for 2.3 in.- 3.0 in OD Tenon with leads. Restricted aiming angle 0° to +45°.

Option V1: Knuckle Wall Mount with leads. Restricted aiming angle 0° to +45°.

Finish

- Corrosion resistant polyester powder paint, minimum thickness 2.0 mil.
- Standard colors: Black, Dark Bronze, Aluminum, Gray & White.
- RAL & custom colors available.
- Optional coastal finish available.

Electrical

- 120-277 VAC and 347-480 VAC available.
- System power factor is >90% and THD <20%.
- ANSI C136.41 7-pin dimming receptacle, standard.
- ANSI photo electric sensors (PE) available for all voltages.
- LightGrid™ compatible.
- Dimming/Occupancy:
  - Standard: 0-10V; Optional: DALI (120-277V, excluding 400 watts and above)
  - Externally wired 0-10V dimming (optional)
  - DALI digital dimming. Contact manufacturer for availability.
  - Standalone dimming occupancy sensor with ambient light sensor, option code "H".
  - Daintree occupancy sensor available.
- Surge Protection tested per ANSI C136.2-2015.
  - 6kV/3kA "Basic" surge protection, standard.
  - 10kV/5kA "Enhanced" surge protection optional.

Warranty

- 5 Year Standard

Accessories

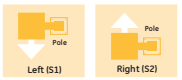
- Photoelectric Controls (see page 10)
- Light Shields (see Data Sheet OLP 3120 Shielding for EAL Area Light Fixtures)

Ordering Number Logic

Evolve™ LED Area Light (EALS-03)

EALS 03 _ __ __ 7 __ _ _ __ ____ ___

PROD. ID	GENERATION	VOLTAGE	OPTICAL DISTRIBUTION CODE	CRI	CCT	DIMMING	CONTROLS	MOUNTING ARM	COLOR	OPTIONS
E = Evolve **AL** = Area Light **S** = Standard	**03** = 3rd Generation	**0** = 120-277* **1** = 120 **2** = 208 **3** = 240 **4** = 277 **5** = 480 **D** = 347 **H** = 347-480* *Not available with Fusing. Must choose a descreet voltage with F Option	**SM** = Symmetric Medium **SW** = Symmetric Wide **SH** = Symmetric High Angle **AF** = Asymmetric Forward **AH** = Asymmetric High Angle **AW** = Asymmetric Wide **AN** = Asymmetric Narrow/Auto	**7** = 70 (min)	**30** = 3000K◇ **40** = 4000K **50** = 5000K ◇Select 3000K CCT for IDA Approved units	**N** = Dimming thru PE receptacle **D** = External Dimming 18/2-3ft cable **X** = Non-dimmable* All constructions supplied with ANSI C136.41 7-pin Receptacle *Required for Cx Optical Codes. Not available for other optical codes. **Note:** Standard dimming 0-10V	**A** = ANSI 7-pin PE receptacle (no control) **D** = ANSI 7-pin PE receptacle with shorting cap provided **Note:** See accessories section on page 10 for PE Control ordering	**C1** = Integral Slipfitter for 1.25" - 2" Pipe (1.66in. OD - 2.378in. OD)* **D1** = Universal Mounting Arm, fitted for round or square pole mounting** **K1** = Knuckle Slipfitter for 1.9 in - 2.3in. OD Tenon*++ **S1** = Knuckle Slipfitter for 2.3in. - 3.0in OD Tenon*++ **V1** = Knuckle Wall Mount*++ * Supplied with 3FT leads ** Supplied with 3FT #14/3 power cable ++ Restricted Aiming Angle 0° to +45°	**GRAY** = Gray **BLCK** = Black **DKBZ** = Dark Bronze **WHTE** = White	**F** = Fusing **H** = Motion Sensor (Sensor Switch) **H2** = Motion Sensor (Daintree) **J** = cUL/Canada **L** = Tool-Less Entry **R** = Enhanced Surge Protection (10kV/5kA) **S1** = Rotated Left † **S2** = Rotated Right † **T** = Elevated Surge Protection (20kV/10kA) **U** = DALI dimming ^+ **V** = 3-Position Terminal Block **Y** = Coastal Finish **XXX** = Special Options * Contact Manufacturer for availability + Compatible with LightGrid 2.0 nodes ^ Not compatible at 347-480V or with motion sensor control † For aimed left or right light distribution orientation, as assembled in manufacturing. Not applicable for Symmetric Distributions. **Note:** H2 option not available at 370V-480V

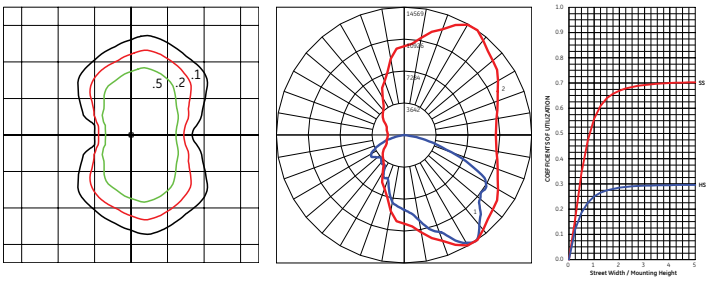


TYPE	OPTICAL CODE	DISTRIBUTION	TYPICAL INITIAL LUMENS 3000K	TYPICAL INITIAL LUMENS 4000K & 5000K	TYPICAL SYSTEM WATTAGE 120-277V & 347-480V	BUG RATING 3000K B-U-G	BUG RATING 4000 & 5000K B-U-G	IES FILE NUMBER 3000K	IES FILE NUMBER 4000K	IES FILE NUMBER 5000K
Type V	C5	Symmetric Medium (SM)	7300	7500	46	B3-U0-G1	B3-U0-G1	EALS03_C5SM730_.IES	EALS03_C5SM740_.IES	EALS03_C5SM750_.IES
	D5	Symmetric Medium (SM)	9800	10000	64	B3-U0-G1	B3-U0-G1	EALS03_D5SM730_.IES	EALS03_D5SM740_.IES	EALS03_D5SM750_.IES
	F5	Symmetric Medium (SM)	14700	15000	101	B4-U0-G2	B4-U0-G2	EALS03_F5SM730_.IES	EALS03_F5SM740_.IES	EALS03_F5SM750_.IES
	H5	Symmetric Medium (SM)	19600	20000	140	B4-U0-G2	B4-U0-G2	EALS03_H5SM730_.IES	EALS03_H5SM740_.IES	EALS03_H5SM750_.IES
	J5	Symmetric Medium (SM)	24500	25000	186	B4-U0-G2	B4-U0-G2	EALS03_J5SM730_.IES	EALS03_J5SM740_.IES	EALS03_J5SM750_.IES
	K5	Symmetric Medium (SM)	29400	30000	239	B5-U0-G3	B5-U0-G3	EALS03_K5SM730_.IES	EALS03_K5SM740_.IES	EALS03_K5SM750_.IES
	C5	Symmetric Wide (SW)	7300	7500	46	B2-U0-G1	B2-U0-G1	EALS03_C5SW730_.IES	EALS03_C5SW740_.IES	EALS03_C5SW750_.IES
	D5	Symmetric Wide (SW)	9800	10100	64	B3-U0-G1	B3-U0-G1	EALS03_D5SW730_.IES	EALS03_D5SW740_.IES	EALS03_D5SW750_.IES
	F5	Symmetric Wide (SW)	14700	15100	101	B3-U0-G2	B3-U0-G2	EALS03_F5SW730_.IES	EALS03_F5SW740_.IES	EALS03_F5SW750_.IES
	H5	Symmetric Wide (SW)	19700	20200	140	B4-U0-G2	B4-U0-G2	EALS03_H5SW730_.IES	EALS03_H5SW740_.IES	EALS03_H5SW750_.IES
	J5	Symmetric Wide (SW)	24600	25200	186	B4-U0-G2	B4-U0-G2	EALS03_J5SW730_.IES	EALS03_J5SW740_.IES	EALS03_J5SW750_.IES
	K5	Symmetric Wide (SW)	29600	30300	239	B5-U0-G2	B5-U0-G2	EALS03_K5SW730_.IES	EALS03_K5SW740_.IES	EALS03_K5SW750_.IES
	C5	Symmetric High Angle (SH)	7000	7200	46	B3-U0-G1	B3-U0-G1	EALS03_C5SH730_.IES	EALS03_C5SH740_.IES	EALS03_C5SH750_.IES
	D5	Symmetric High Angle (SH)	9400	9600	64	B3-U0-G2	B3-U0-G2	EALS03_D5SH730_.IES	EALS03_D5SH740_.IES	EALS03_D5SH750_.IES
	F5	Symmetric High Angle (SH)	14200	14500	101	B4-U0-G2	B4-U0-G2	EALS03_F5SH730_.IES	EALS03_F5SH740_.IES	EALS03_F5SH750_.IES
	H5	Symmetric High Angle (SH)	18900	19300	140	B4-U0-G2	B4-U0-G2	EALS03_H5SH730_.IES	EALS03_H5SH740_.IES	EALS03_H5SH750_.IES
	J5	Symmetric High Angle (SH)	23600	24100	186	B5-U0-G3	B5-U0-G3	EALS03_J5SH730_.IES	EALS03_J5SH740_.IES	EALS03_J5SH750_.IES
	K5	Symmetric High Angle (SH)	28400	29000	239	B5-U0-G3	B5-U0-G3	EALS03_K5SH730_.IES	EALS03_K5SH740_.IES	EALS03_K5SH750_.IES
Type IV	C4	Asymmetric Forward (AF)	7300	7500	50	B1-U0-G2	B1-U0-G2	EALS03_C4AF730_.IES	EALS03_C4AF740_.IES	EALS03_C4AF750_.IES
	D4	Asymmetric Forward (AF)	9800	10000	70	B2-U0-G2	B2-U0-G2	EALS03_D4AF730_.IES	EALS03_D4AF740_.IES	EALS03_D4AF750_.IES
	F4	Asymmetric Forward (AF)	14700	15000	116	B2-U0-G2	B2-U0-G2	EALS03_F4AF730_.IES	EALS03_F4AF740_.IES	EALS03_F4AF750_.IES
	H4	Asymmetric Forward (AF)	19600	20000	140	B3-U0-G3	B3-U0-G3	EALS03_H4AF730_.IES	EALS03_H4AF740_.IES	EALS03_H4AF750_.IES
	J4	Asymmetric Forward (AF)	24500	25000	186	B3-U0-G3	B3-U0-G3	EALS03_J4AF730_.IES	EALS03_J4AF740_.IES	EALS03_J4AF750_.IES
	K4	Asymmetric Forward (AF)	29400	30000	239	B3-U0-G4	B3-U0-G4	EALS03_K4AF730_.IES	EALS03_K4AF740_.IES	EALS03_K4AF750_.IES
	C4	Asymmetric High Angle (AH)	7000	7200	50	B2-U0-G2	B2-U0-G2	EALS03_C4AH730_.IES	EALS03_C4AH740_.IES	EALS03_C4AH750_.IES
	D4	Asymmetric High Angle (AH)	9400	9600	70	B2-U0-G2	B2-U0-G2	EALS03_D4AH730_.IES	EALS03_D4AH740_.IES	EALS03_D4AH750_.IES
	F4	Asymmetric High Angle (AH)	14200	14500	116	B3-U0-G3	B3-U0-G3	EALS03_F4AH730_.IES	EALS03_F4AH740_.IES	EALS03_F4AH750_.IES
	H4	Asymmetric High Angle (AH)	18900	19300	140	B3-U0-G3	B3-U0-G4	EALS03_H4AH730_.IES	EALS03_H4AH740_.IES	EALS03_H4AH750_.IES
	J4	Asymmetric High Angle (AH)	23600	24100	186	B3-U0-G4	B3-U0-G4	EALS03_J4AH730_.IES	EALS03_J4AH740_.IES	EALS03_J4AH750_.IES
	K4	Asymmetric High Angle (AH)	28400	29000	239	B3-U0-G4	B3-U0-G4	EALS03_K4AH730_.IES	EALS03_K4AH740_.IES	EALS03_K4AH750_.IES
Type III	C3	Asymmetric Wide (AW)	7300	7500	50	B2-U0-G1	B2-U0-G1	EALS03_C3AW730_.IES	EALS03_C3AW740_.IES	EALS03_C3AW750_.IES
	D3	Asymmetric Wide (AW)	9800	10100	70	B2-U0-G2	B2-U0-G2	EALS03_D3AW730_.IES	EALS03_D3AW740_.IES	EALS03_D3AW750_.IES
	F3	Asymmetric Wide (AW)	14700	15100	116	B2-U0-G2	B2-U0-G2	EALS03_F3AW730_.IES	EALS03_F3AW740_.IES	EALS03_F3AW750_.IES
	H3	Asymmetric Wide (AW)	19700	20200	140	B3-U0-G2	B3-U0-G3	EALS03_H3AW730_.IES	EALS03_H3AW740_.IES	EALS03_H3AW750_.IES
	J3	Asymmetric Wide (AW)	24600	25200	186	B3-U0-G3	B3-U0-G3	EALS03_J3AW730_.IES	EALS03_J3AW740_.IES	EALS03_J3AW750_.IES
	K3	Asymmetric Wide (AW)	29600	30300	239	B3-U0-G3	B3-U0-G3	EALS03_K3AW730_.IES	EALS03_K3AW740_.IES	EALS03_K3AW750_.IES
Type II	C2	Asymmetric Narrow/Auto (AN)	7300	7500	50	B2-U0-G2	B2-U0-G2	EALS03_C2AN730_.IES	EALS03_C2AN740_.IES	EALS03_C2AN750_.IES
	D2	Asymmetric Narrow/Auto (AN)	9800	10100	70	B2-U0-G2	B2-U0-G2	EALS03_D2AN730_.IES	EALS03_D2AN740_.IES	EALS03_D2AN750_.IES
	F2	Asymmetric Narrow/Auto (AN)	14700	15100	116	B3-U0-G3	B3-U0-G3	EALS03_F2AN730_.IES	EALS03_F2AN740_.IES	EALS03_F2AN750_.IES
	H2	Asymmetric Narrow/Auto (AN)	19700	20200	140	B3-U0-G3	B3-U0-G3	EALS03_H2AN730_.IES	EALS03_H2AN740_.IES	EALS03_H2AN750_.IES
	J2	Asymmetric Narrow/Auto (AN)	24600	25200	186	B3-U0-G3	B3-U0-G3	EALS03_J2AN730_.IES	EALS03_J2AN740_.IES	EALS03_J2AN750_.IES
	K2	Asymmetric Narrow/Auto (AN)	29600	30300	239	B3-U0-G3	B3-U0-G3	EALS03_K2AN730_.IES	EALS03_K2AN740_.IES	EALS03_K2AN750_.IES

Photometrics

Evolve™ LED Area Light (EALS-03)

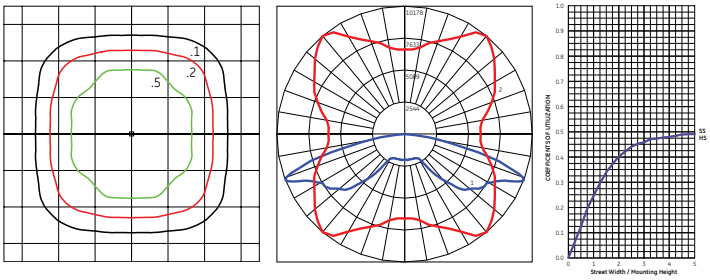
EALS Type II - Asymmetric Narrow/Auto
30,300 Lumens, 5000K (EALS03_K2AN750___.IES)



Grid Distance in Units of Mounting Height at 40' Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of maximum candlepower at 55°
— Vertical plane through horizontal angle of 34°

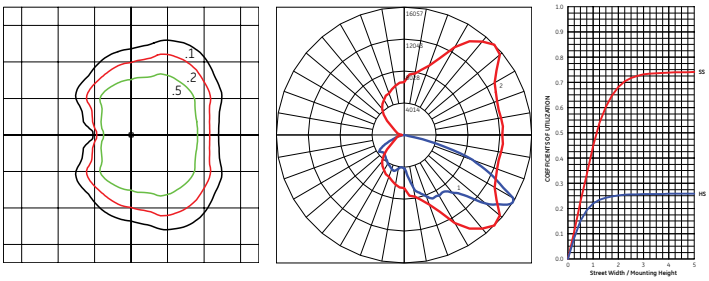
EALS Type VS - Symmetric High Angle
29,000 Lumens, 5000K (EALS03_K5SH750___.IES)



Grid Distance in Units of Mounting Height at 40' Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of maximum candlepower at 50°
— Vertical plane through horizontal angle of 69°

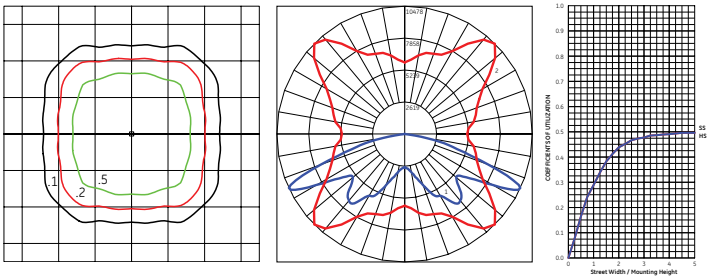
EALS Type III - Asymmetric Wide
30,300 Lumens, 5000K (EALS03_K3AW750___.IES)



Grid Distance in Units of Mounting Height at 40' Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of maximum candlepower at 45°
— Vertical plane through horizontal angle of 58°

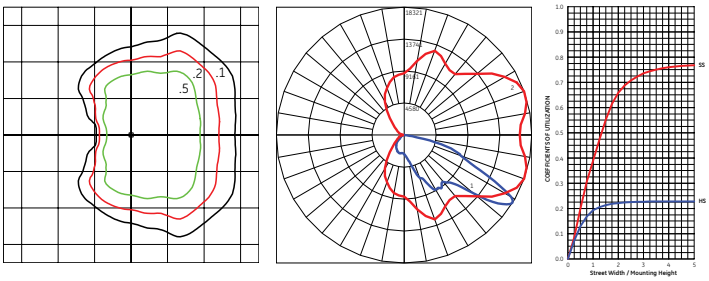
EALS Type VS - Symmetric Medium
30,000 Lumens, 5000K (EALS03_K5SM750___.IES)



Grid Distance in Units of Mounting Height at 40' Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of maximum candlepower at 45°
— Vertical plane through horizontal angle of 65°

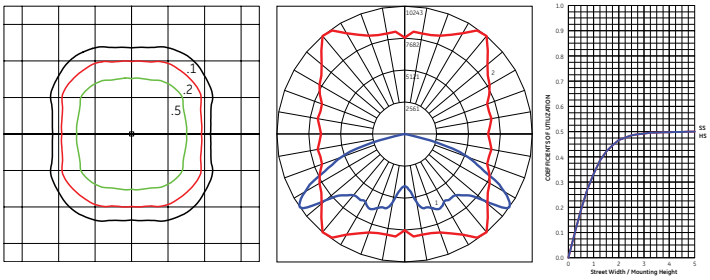
EALS Type IV - Asymmetric Forward
30,000 Lumens, 5000K (EALS03_K4AF750___.IES)



Grid Distance in Units of Mounting Height at 40' Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of maximum candlepower at 20°
— Vertical plane through horizontal angle of 58°

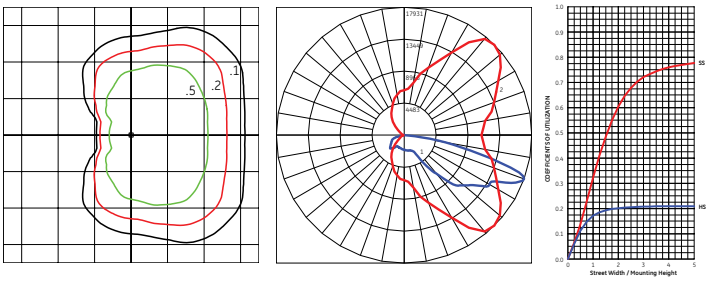
EALS Type VS - Symmetric Wide
30,300 Lumens, 5000K (EALS03_K5SW750___.IES)



Grid Distance in Units of Mounting Height at 40' Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of maximum candlepower at 50°
— Vertical plane through horizontal angle of 55°

EALS Type IV - Asymmetric High Angle
29,000 Lumens, 5000K (EALS03_K4AH750___.IES)



Grid Distance in Units of Mounting Height at 40' Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of maximum candlepower at 45°
— Vertical plane through horizontal angle of 70°

Ordering Number Logic

Evolve™ LED Area Light (EALP-03)

E A L P 0 3 _ __ __ 7 __ _ _ __ ____ ___

PROD. ID	GENERATION	VOLTAGE	OPTICAL DISTRIBUTION CODE	CRI	CCT	DIMMING	CONTROLS	MOUNTING ARM	COLOR	OPTIONS
E = Evolve **AL** = Area Light **P** = Premium	**03** = 3rd Generation	**0** = 120-277* **1** = 120 **2** = 208 **3** = 240 **4** = 277 **5** = 480 **D** = 347 **H** = 347-480* *Not available with Fusing. Must choose a descreet voltage with F Option	**SM** = Symmetric Medium **SW** = Symmetric Wide **SH** = Symmetric High Angle **AF** = Asymmetric Forward **AH** = Asymmetric High Angle **AW** = Asymmetric Wide **AN** = Asymmetric Narrow/Auto	**7** = 70 (min)	**30** = 3000K◇ **40** = 4000K **50** = 5000K ◇Select 3000K CCT for IDA Approved units	**N** = Dimming thru PE receptacle **D** = External Dimming 18/2-3ft cable **X** = Non-dimmable* All constructions supplied with ANSI C136.41 7-pin Receptacle *Required for Cx Optical Codes. Not available for other optical codes. **Note:** Standard dimming 0-10V	**A** = ANSI 7-pin PE receptacle (no control) **D** = ANSI 7-pin PE receptacle with shorting cap provided **Note:** See accessories section on page 10 for PE Control ordering	**C1** = Integral Slip-fitter 2" Pipe (2.378 in. OD)* **D1** = Universal Mounting Arm, fitted for round or square pole mounting** **K1** = Knuckle Slipfitter for 1.9 in - 2.3in. OD Tenon*++ **S1** = Knuckle Slipfitter for 2.3in. - 3.0in OD Tenon*++ **V1** = Knuckle Wall Mount*++ * Supplied with leads ** Supplied with 16/3 ft cable ++ Restricted Aiming Angle 0° to +45°	**GRAY** = Gray **BLCK** = Black **DKBZ** = Dark Bronze **WHTE** = White	**F** = Fusing **H** = Motion Sensor (Sensor Switch) **H2** = Motion Sensor (Daintree) **J** = cUL/Canada **L** = Tool-Less Entry **R** = Enhanced Surge Protection (10kV/5kA) **S1** = Rotated Left † **S2** = Rotated Right † **T** = Elevated Surge Protection (20kV/10kA) **U** = DALI dimming ^+ **V** = 3-Position Terminal Block **Y** = Coastal Finish **XXX** = Special Options * Contact Manufacturer for availability + Compatible with LightGrid 2.0 nodes ^ Not compatible at 347-480V, with motion sensor controls, or above 400W. † For aimed left or right light distribution orientation, as assembled in manufacturing. Not applicable for Symmetric Distributions. **Note:** H option not available for 470W and above con igurations. **Note:** H2 option not available at 370V-480V

TYPE	OPTICAL CODE	DISTRIBUTION	TYPICAL INITIAL LUMENS 3000K	TYPICAL INITIAL LUMENS 4000K & 5000K	TYPICAL SYSTEM WATTAGE 120-277V & 347-480V	BUG RATING 3000K B-U-G	BUG RATING 4000 & 5000K B-U-G	IES FILE NUMBER 3000K	IES FILE NUMBER 4000K	IES FILE NUMBER 5000K
Type V	J5	Symmetric Medium (SM)	23600	25000	172	B4-U0-G2	B4-U0-G2	EALP03_J5SM730_.IES	EALP03_J5SM740_.IES	EALP03_J5SM750_.IES
	K5	Symmetric Medium (SM)	28300	30000	212	B5-U0-G3	B5-U0-G3	EALP03_K5SM730_.IES	EALP03_K5SM740_.IES	EALP03_K5SM750_.IES
	L5	Symmetric Medium (SM)	33000	35000	263	B5-U0-G3	B5-U0-G3	EALP03_L5SM730_.IES	EALP03_L5SM740_.IES	EALP03_L5SM750_.IES
	M5	Symmetric Medium (SM)	37800	40000	305	B5-U0-G3	B5-U0-G4	EALP03_M5SM730_.IES	EALP03_M5SM740_.IES	EALP03_M5SM750_.IES
	N5	Symmetric Medium (SM)	47200	50000	400	B5-U0-G4	B5-U0-G4	EALP03_N5SM730_.IES	EALP03_N5SM740_.IES	EALP03_N5SM750_.IES
	P5	Symmetric Medium (SM)	56700	60000	470	B5-U0-G4	B5-U0-G4	EALP03_P5SM730_.IES	EALP03_P5SM740_.IES	EALP03_P5SM750_.IES
	Q5	Symmetric Medium (SM)	66100	70000	570	B5-U0-G5	B5-U0-G5	EALP03_Q5SM730_.IES	EALP03_Q5SM740_.IES	EALP03_Q5SM750_.IES
	J5	Symmetric Wide (SW)	23600	25000	172	B4-U0-G2	B4-U0-G2	EALP03_J5SW730_.IES	EALP03_J5SW740_.IES	EALP03_J5SW750_.IES
	K5	Symmetric Wide (SW)	28300	30000	212	B5-U0-G2	B5-U0-G2	EALP03_K5SW730_.IES	EALP03_K5SW740_.IES	EALP03_K5SW750_.IES
	L5	Symmetric Wide (SW)	33000	35000	263	B5-U0-G2	B5-U0-G2	EALP03_L5SW730_.IES	EALP03_L5SW740_.IES	EALP03_L5SW750_.IES
	M5	Symmetric Wide (SW)	37800	40000	305	B5-U0-G2	B5-U0-G2	EALP03_M5SW730_.IES	EALP03_M5SW740_.IES	EALP03_M5SW750_.IES
	N5	Symmetric Wide (SW)	47200	50000	400	B5-U0-G3	B5-U0-G3	EALP03_N5SW730_.IES	EALP03_N5SW740_.IES	EALP03_N5SW750_.IES
	P5	Symmetric Wide (SW)	56700	60000	470	B5-U0-G3	B5-U0-G3	EALP03_P5SW730_.IES	EALP03_P5SW740_.IES	EALP03_P5SW750_.IES
	Q5	Symmetric Wide (SW)	66100	70000	570	B5-U0-G4	B5-U0-G4	EALP03_Q5SW730_.IES	EALP03_Q5SW740_.IES	EALP03_Q5SW750_.IES
	J5	Symmetric High Angle (SH)	22700	24100	172	B5-U0-G3	B5-U0-G3	EALP03_J5SH730_.IES	EALP03_J5SH740_.IES	EALP03_J5SH750_.IES
	K5	Symmetric High Angle (SH)	27400	29000	212	B5-U0-G3	B5-U0-G3	EALP03_K5SH730_.IES	EALP03_K5SH740_.IES	EALP03_K5SH750_.IES
	L5	Symmetric High Angle (SH)	31900	33800	263	B5-U0-G4	B5-U0-G4	EALP03_L5SH730_.IES	EALP03_L5SH740_.IES	EALP03_L5SH750_.IES
	M5	Symmetric High Angle (SH)	36400	38600	305	B5-U0-G4	B5-U0-G4	EALP03_M5SH730_.IES	EALP03_M5SH740_.IES	EALP03_M5SH750_.IES
	N5	Symmetric High Angle (SH)	45600	48300	400	B5-U0-G4	B5-U0-G5	EALP03_N5SH730_.IES	EALP03_N5SH740_.IES	EALP03_N5SH750_.IES
	P5	Symmetric High Angle (SH)	54800	58000	470	B5-U0-G5	B5-U0-G5	EALP03_P5SH730_.IES	EALP03_P5SH740_.IES	EALP03_P5SH750_.IES
	Q5	Symmetric High Angle (SH)	63800	67600	570	B5-U0-G5	B5-U0-G5	EALP03_Q5SH730_.IES	EALP03_Q5SH740_.IES	EALP03_Q5SH750_.IES

Type IV, Type III and Type II Claims Table for EALP-03 continued on Page 6

Ordering Number Logic

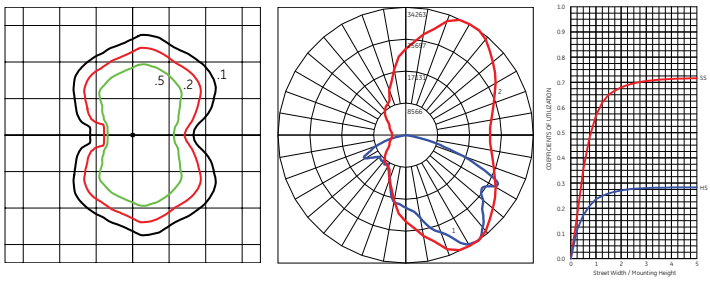
Evolve™ LED Area Light (EALP-03)

TYPE	OPTICAL CODE	DISTRIBUTION	TYPICAL INITIAL LUMENS		TYPICAL SYSTEM WATTAGE	BUG RATING		IES FILE NUMBER	IES FILE NUMBER	IES FILE NUMBER
			3000K	4000K & 5000K	120-277V & 347-480V	3000K B-U-G	4000 & 5000K B-U-G	3000K	4000K	5000K
Type IV	J4	Asymmetric Forward (AF)	23600	25000	200	B3-U0-G3	B3-U0-G4	EALP03_J4AF730_.IES	EALP03_J4AF740_.IES	EALP03_J4AF750_.IES
	K4	Asymmetric Forward (AF)	28300	30000	212	B3-U0-G4	B3-U0-G4	EALP03_K4AF730_.IES	EALP03_K4AF740_.IES	EALP03_K4AF750_.IES
	L4	Asymmetric Forward (AF)	33000	35000	263	B3-U0-G4	B3-U0-G4	EALP03_L4AF730_.IES	EALP03_L4AF740_.IES	EALP03_L4AF750_.IES
	M4	Asymmetric Forward (AF)	37800	40000	305	B4-U0-G4	B4-U0-G5	EALP03_M4AF730_.IES	EALP03_M4AF740_.IES	EALP03_M4AF750_.IES
	N4	Asymmetric Forward (AF)	47200	50000	400	B4-U0-G5	B4-U0-G5	EALP03_N4AF730_.IES	EALP03_N4AF740_.IES	EALP03_N4AF750_.IES
	P4	Asymmetric Forward (AF)	56700	60000	470	B4-U0-G5	B4-U0-G5	EALP03_P4AF730_.IES	EALP03_P4AF740_.IES	EALP03_P4AF750_.IES
	Q4	Asymmetric Forward (AF)	66100	70000	570	B4-U0-G5	B4-U0-G5	EALP03_Q4AF730_.IES	EALP03_Q4AF740_.IES	EALP03_Q4AF750_.IES
	J4	Asymmetric High Angle (AH)	22700	24100	200	B3-U0-G4	B3-U0-G4	EALP03_J4AH730_.IES	EALP03_J4AH740_.IES	EALP03_J4AH750_.IES
	K4	Asymmetric High Angle (AH)	27400	29000	212	B3-U0-G4	B3-U0-G5	EALP03_K4AH730_.IES	EALP03_K4AH740_.IES	EALP03_K4AH750_.IES
	L4	Asymmetric High Angle (AH)	31900	33800	263	B4-U0-G5	B4-U0-G5	EALP03_L4AH730_.IES	EALP03_L4AH740_.IES	EALP03_L4AH750_.IES
	M4	Asymmetric High Angle (AH)	36400	38600	305	B4-U0-G5	B4-U0-G5	EALP03_M4AH730_.IES	EALP03_M4AH740_.IES	EALP03_M4AH750_.IES
	N4	Asymmetric High Angle (AH)	45600	48300	400	B4-U0-G5	B4-U0-G5	EALP03_N4AH730_.IES	EALP03_N4AH740_.IES	EALP03_N4AH750_.IES
	P4	Asymmetric High Angle (AH)	54800	58000	470	B4-U0-G5	B4-U0-G5	EALP03_P4AH730_.IES	EALP03_P4AH740_.IES	EALP03_P4AH750_.IES
	Q4	Asymmetric High Angle (AH)	63800	67600	570	B5-U0-G5	B5-U0-G5	EALP03_Q4AH730_.IES	EALP03_Q4AH740_.IES	EALP03_Q4AH750_.IES
Type III	J3	Asymmetric Wide (AW)	23600	25000	200	B3-U0-G3	B3-U0-G3	EALP03_J3AW730_.IES	EALP03_J3AW740_.IES	EALP03_J3AW750_.IES
	K3	Asymmetric Wide (AW)	28300	30000	212	B3-U0-G3	B3-U0-G3	EALP03_K3AW730_.IES	EALP03_K3AW740_.IES	EALP03_K3AW750_.IES
	L3	Asymmetric Wide (AW)	33000	35000	263	B3-U0-G3	B4-U0-G3	EALP03_L3AW730_.IES	EALP03_L3AW740_.IES	EALP03_L3AW750_.IES
	M3	Asymmetric Wide (AW)	37800	40000	305	B4-U0-G3	B4-U0-G4	EALP03_M3AW730_.IES	EALP03_M3AW740_.IES	EALP03_M3AW750_.IES
	N3	Asymmetric Wide (AW)	47200	50000	400	B4-U0-G4	B4-U0-G4	EALP03_N3AW730_.IES	EALP03_N3AW740_.IES	EALP03_N3AW750_.IES
	P3	Asymmetric Wide (AW)	56700	60000	470	B5-U0-G4	B5-U0-G4	EALP03_P3AW730_.IES	EALP03_P3AW740_.IES	EALP03_P3AW750_.IES
	Q3	Asymmetric Wide (AW)	66100	70000	570	B5-U0-G5	B5-U0-G5	EALP03_Q3AW730_.IES	EALP03_Q3AW740_.IES	EALP03_Q3AW750_.IES
Type II	J2	Asymmetric Narrow/Auto (AN)	23800	25200	200	B3-U0-G3	B3-U0-G3	EALP03_J2AN730_.IES	EALP03_J2AN740_.IES	EALP03_J2AN750_.IES
	K2	Asymmetric Narrow/Auto (AN)	28600	30300	212	B3-U0-G3	B3-U0-G3	EALP03_K2AN730_.IES	EALP03_K2AN740_.IES	EALP03_K2AN750_.IES
	L2	Asymmetric Narrow/Auto (AN)	33300	35300	263	B4-U0-G4	B4-U0-G4	EALP03_L2AN730_.IES	EALP03_L2AN740_.IES	EALP03_L2AN750_.IES
	M2	Asymmetric Narrow/Auto (AN)	38100	40400	305	B4-U0-G4	B4-U0-G4	EALP03_M2AN730_.IES	EALP03_M2AN740_.IES	EALP03_M2AN750_.IES
	N2	Asymmetric Narrow/Auto (AN)	47700	50500	400	B4-U0-G4	B4-U0-G4	EALP03_N2AN730_.IES	EALP03_N2AN740_.IES	EALP03_N2AN750_.IES
	P2	Asymmetric Narrow/Auto (AN)	57200	60600	470	B4-U0-G4	B4-U0-G4	EALP03_P2AN730_.IES	EALP03_P2AN740_.IES	EALP03_P2AN750_.IES
	Q2	Asymmetric Narrow/Auto (AN)	66800	70700	570	B5-U0-G5	B5-U0-G5	EALP03_Q2AN730_.IES	EALP03_Q2AN740_.IES	EALP03_Q2AN750_.IES

Photometrics

Evolve™ LED Area Light (EALP-03)

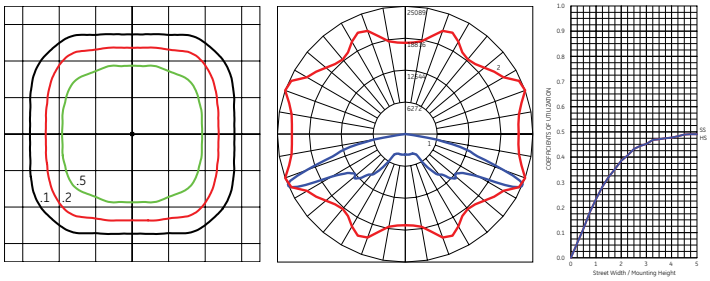
EALP Type II - Asymmetric Narrow/Auto
70,700 Lumens, 5000K (EALP03_Q2AN750___.IES)



Grid Distance in Units of Mounting Height at 40' Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of maximum candlepower at 60°
— Vertical plane through horizontal angle of 35°

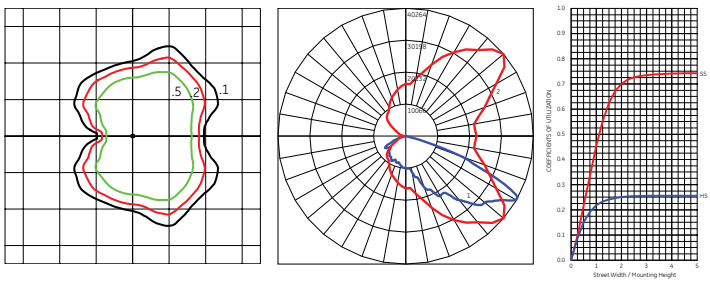
EALP Type VS - Symmetric High Angle
67,600 Lumens, 5000K (EALP03_Q5SH750___.IES)



Grid Distance in Units of Mounting Height at 40' Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of maximum candlepower at 20°
— Vertical plane through horizontal angle of 66°

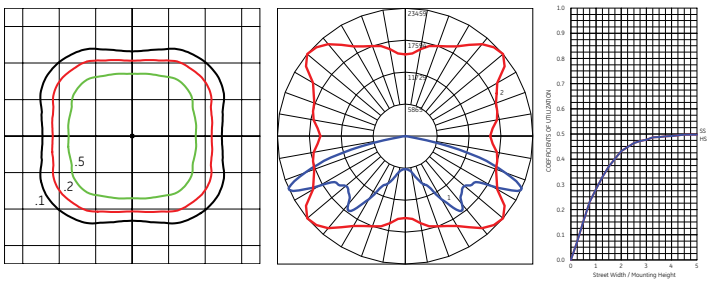
EALP Type III - Asymmetric Wide
70,000 Lumens, 5000K (EALP03_Q3AW750___.IES)



Grid Distance in Units of Mounting Height at 40' Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of maximum candlepower at 40°
— Vertical plane through horizontal angle of 61°

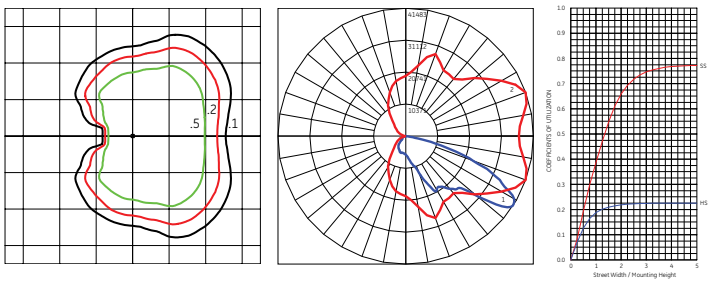
EALP Type VS - Symmetric Medium
70,000 Lumens, 5000K (EALP03_Q5SM750___.IES)



Grid Distance in Units of Mounting Height at 40' Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of maximum candlepower at 40°
— Vertical plane through horizontal angle of 65°

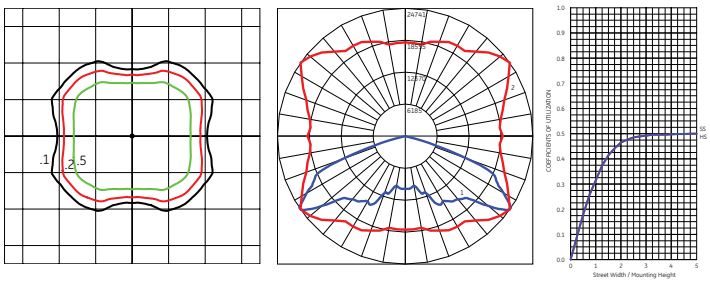
EALP Type IV - Asymmetric Forward
70,000 Lumens, 5000K (EALP03_Q4AF750___.IES)



Grid Distance in Units of Mounting Height at 40' Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of maximum candlepower at 20°
— Vertical plane through horizontal angle of 57°

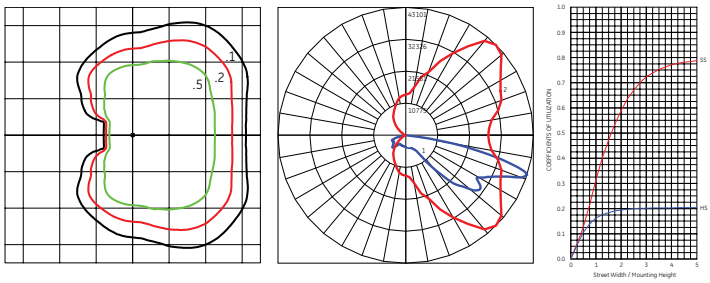
EALP Type VS - Symmetric Wide
70,000 Lumens, 5000K (EALP03_Q5SW750___.IES)



Grid Distance in Units of Mounting Height at 40' Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of maximum candlepower at 35°
— Vertical plane through horizontal angle of 56°

EALP Type IV - Asymmetric High Angle
67,700 Lumens, 5000K (EALP03_Q4AH750___.IES)



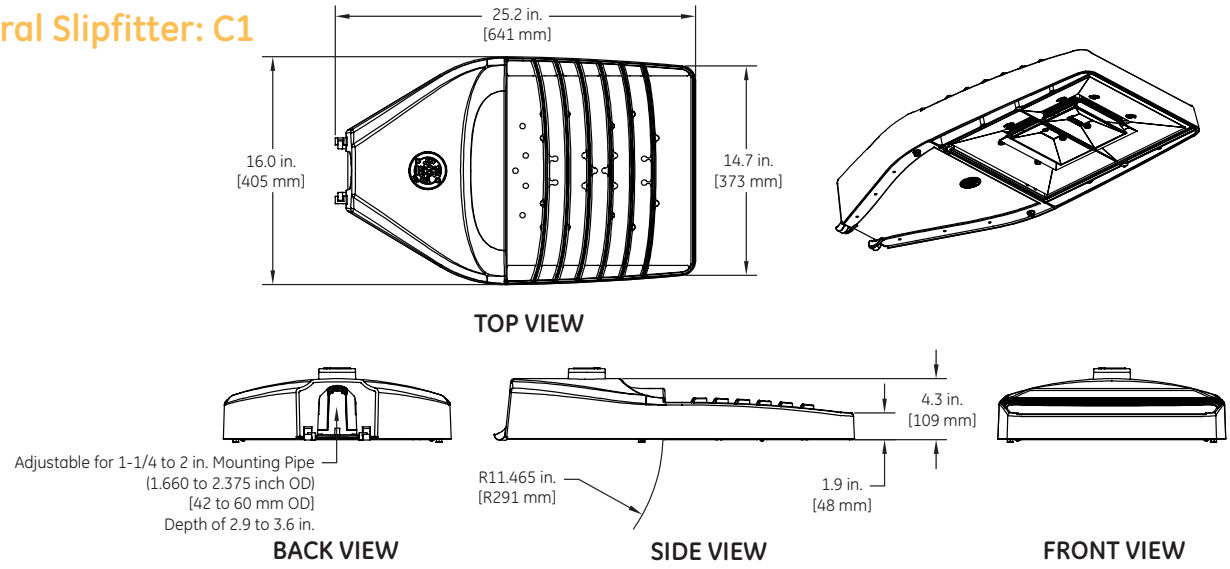
Grid Distance in Units of Mounting Height at 40' Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of maximum candlepower at 45°
— Vertical plane through horizontal angle of 72°

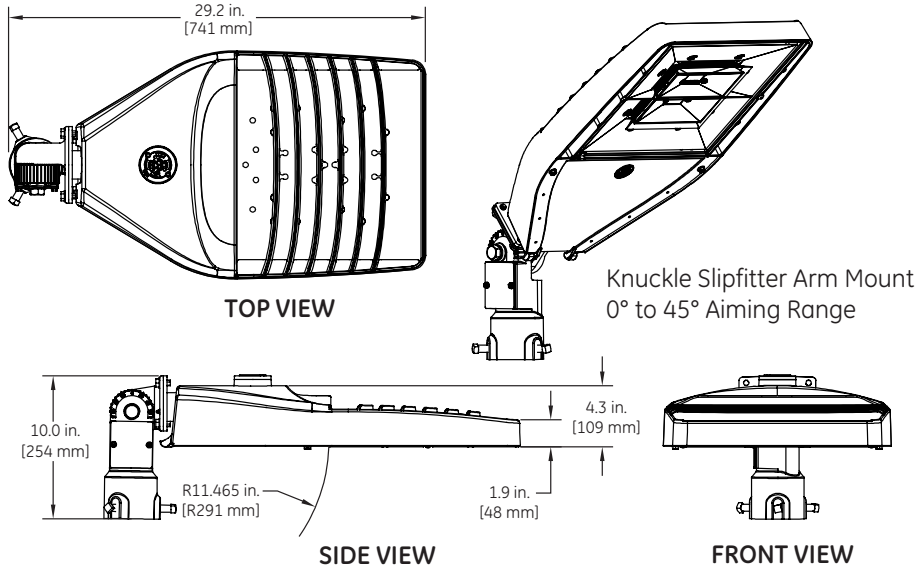
Product Dimensions

Evolve™ LED Area Light (EALS-03 & EALP-03)

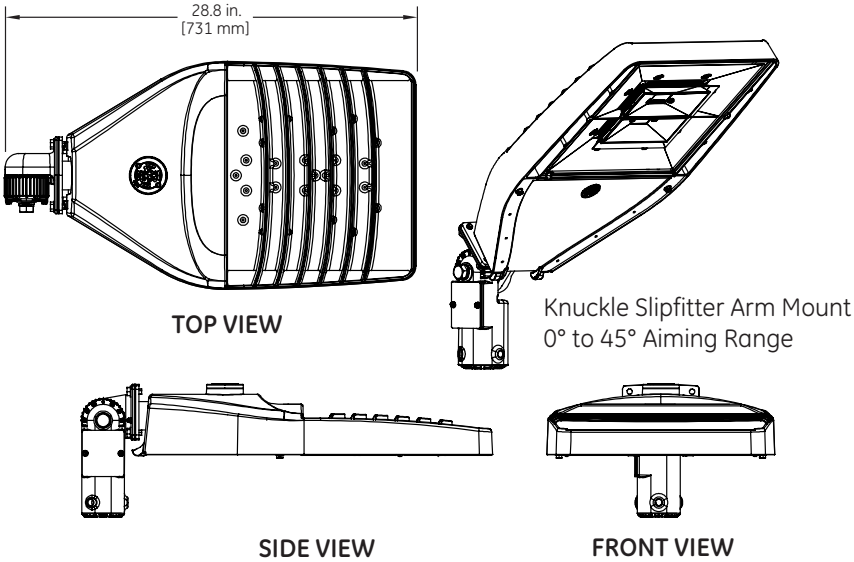
Integral Slipfitter: C1



Knuckle Slipfitter: S1



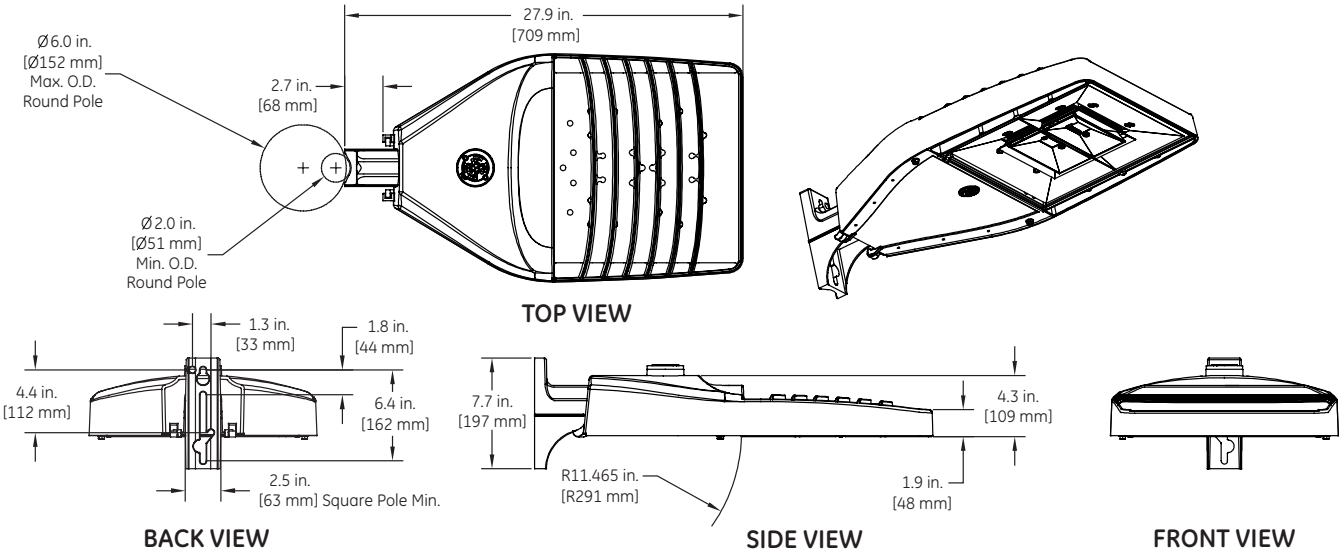
Knuckle Slipfitter: K1



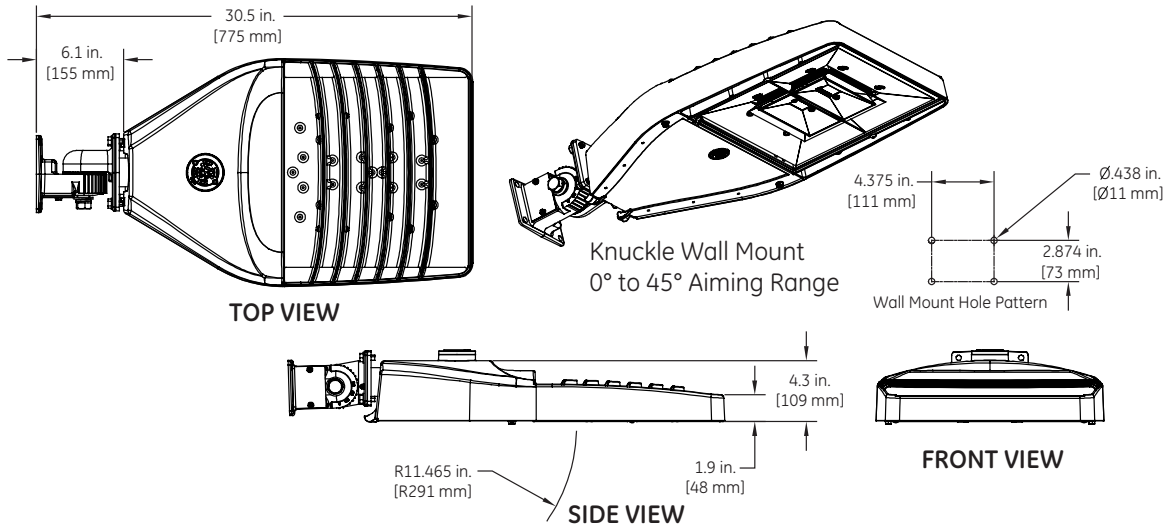
Product Dimensions

Evolve™ LED Area Light (EALS-03 & EALP-03)

Universal Mounting Arm: D1



Knuckle Wall Mount: V1



DATA

- Approximate Net Weight: 27 lbs (12.2 kg)
- Effective Projected Area:
  - Knuckle Slipfitter S1, K1 45° aim, EPA = 2.45
  - Knuckle Slipfitter S1, K1 downward aim, EPA = 0.73
  - Universal Arm Mount D1, EPA = 0.54 - Knuckle Wall Mount V1, 45° aim, EPA = 0.77 sq ft min and 1.43 sq ft max
  - Integral Slipfitter C1, EPA = 0.63

Accessories

Evolve™ LED Area Light (EALS-03 & EALP-03)

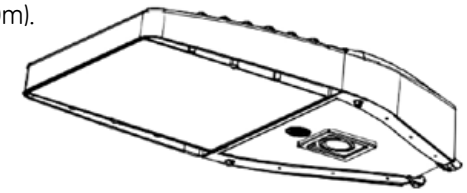
PE Accessories (to be ordered separately)

SAP Number	Part Number	Description
93029237	PED-MV-LED-7	ANSI C136.41 Dimming PE, 120-277V
93029238	PED-347-LED-7	ANSI C136.41 Dimming PE, 347V
93029239	PED-480-LED-7	ANSI C136.41 Dimming PE, 480V

SAP Number	Part Number	Description
28299	PEC0TL	STANDARD 120-277V
28294	PEC5TL	STANDARD 480V
80436	PECDTL	STANDARD 347V
73251	SCCL-PECTL	Shorting cap

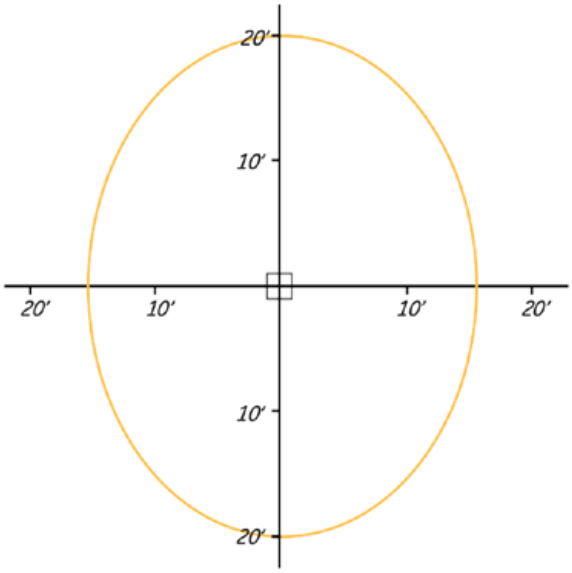
H-Motion Sensing Option

- Intended for applications, between 15-30 ft. mounting height. (4.57-9.14m).
  For mounting heights exceeding 30 ft., pole mounted sensors are recommended.
- Provides a coverage area radius for walking motion of 15-20 ft. (4.57-6.10m).
- Provides 270° of coverage (~90° is blocked by the pole).
- Standard factory settings:
  – 50% output when unoccupied, 100% output occupied.
  – Integral PE Sensor.
  – 5 minute post-occupancy time delay, 5 minute dimming ramp-down.
- Fixture power increase of 1W expected with sensor use.



Note: Standard options may be reprogrammed in the field. Reprogramming instructions included in product shipment.

Sensor Pattern



Sensing Pattern Area Fixture
Up to 30 ft. Mounting Height

Mounting Information

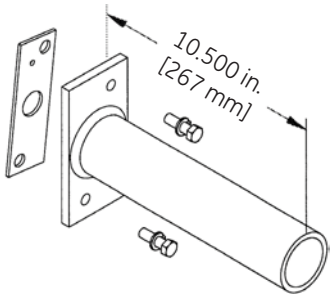
Evolve™ LED Area Light (EALS-03 & EALP-03)

Mounting Options for Integral Slipfitter - (Mounting Arm C1)

Order separately

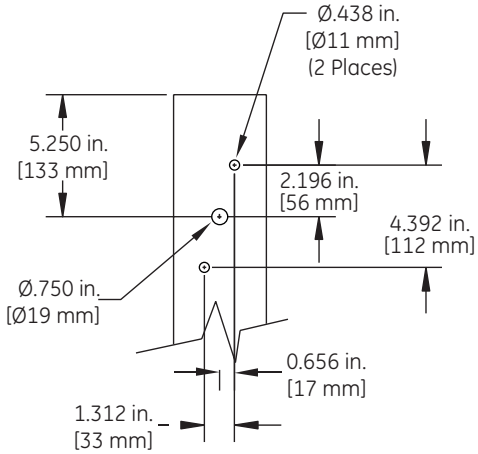
SQUARE POLE MOUNTING ARM

3.5 TO 4.5-inch (89 to 114mm) SQUARE
(WILL ALLOW 4 FIXTURES PER POLE @ 90 DEGREES.)



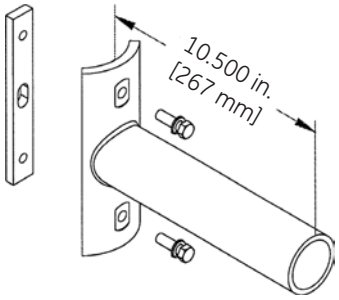
ORDER SEPARATELY FROM FIXTURE AS CATALOG NUMBER
SPA-EAMT10BLCK "Black"
SPA-EAMT10DKBZ "Dark Bronze"
SPA-EAMT10WHTE "White"
SPA-EAMT10GRAY "Gray"

SQUARE POLE MOUNTING DRILLING TEMPLATE



ROUND POLE MOUNTING ARM DRILLING TEMPLATE

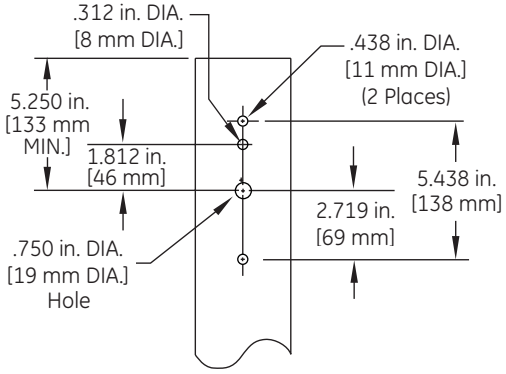
3.5 TO 4.5-inch (89 to 114mm) OD
(WILL ALLOW 4 FIXTURES PER POLE @ 90 DEGREES.)



ORDER SEPARATELY FROM FIXTURE AS CATALOG NUMBER
RPA-EAMT10BLCK "Black"
RPA-EAMT10DKBZ "Dark Bronze"
RPA-EAMT10WHTE "White"
RPA-EAMT10GRAY "Gray"

ROUND POLE MOUNTING DRILLING TEMPLATE

3.5 TO 4.5-inch (89 to 114mm) OD
round pole mounting arm



Wall Mounting Bracket Adapter Plate

ORDER SEPERATELY FROM FIXTURE AS CATALOG NUMBER
WMB-EAMT06

***NOTE:** For Wall Mounting, order luminaire with mounting arm: C1 = Slipfitter 2" Pipe (2.378 in. OD) supplied with leads.

Other mounting patterns are available for retrofit installations.
Contact manufacturing for other available mounting patterns.

Evolve®
LED Wall Pack
A-Series (EWAS)

GE current
a Daintree company

Evolve®
LED Wall Pack
A-Series (EWAS)

Project name _____

Date _____

Type _____

The **Evolve**® LED A-Series Wall Pack, EWAS, is a designed replacement for 50W to 400W HID, while offering significant energy savings in a long-life LED wall pack. The A-Series Wall Pack offers Type II, III and IV optical patterns with lumen levels ranging from 3,000 to 17,000 lumens.

Typical Specifications: EWAS

Applications

- Wall mounted, site, area and general lighting utilizing an advanced LED optical system providing uniformity, improved vertical illuminance, reduced on-site glare and effective security light levels.

Housing

- Die-cast aluminum housing.
- Slim architectural design incorporates an integral heat sink and light engine, ensuring maximum heat transfer and a long LED life.
- 3G vibration per ANSI C136.31-2010.

LED & Optical Assembly

- Structured LED array for optimized area light and wall pack photometric distributions.
- Evolve LED light engine utilizes reflective technology to optimize application efficiency and minimize glare.
- Utilizes high brightness LEDs, 70 CRI at 3000K, 4000K & 5000K typical.

Lumen Maintenance

- Projected Lxx per IES TM-21 at 25°C for reference:

EWAS01 OPTICAL CODES	LXX (10K) @ HOURS 25,000 HR	50,000 HR	60,000 HR
A2, A3, A4, B2, B3, B4, C2, C3, C4, D2, D3, D4	L95	L93	L92
E2, E3, E4, F2, F3, F4, G2, G3, G4	L96	L94	L94

Notes: Projected Lxx based on LM80 (10,000 hour testing). Accepted industry tolerances apply to initial luminous flux and lumen maintenance measurements.

Lumen Ambient Temperature

AMBIENT TEMP (°C)	INITIAL FLUX FACTOR
10	1.02
20	1.01
25	1.00
30	0.99
40	0.98

Ratings

- UL/cUL listed, suitable for wet locations.
- IP66 rated optical enclosure per ANSI C136.25-2009.
- Temperature rated at -40°C to 40°C. (EMBB -20°C to 40°C).
- Upward Light Output Ratio (ULOR) = 0
- Title 24 compliant with "H & H2" motion sensor option.
- Compliant with the material restriction requirements of RoHS.

Mounting

- **Flush Mount**: Mounts directly to customer supplied junction box.
- **Surface Mount:** Mounts to walls via separate mounting holes.

Finish

- Corrosion resistant polyester powder painted, minimum 2.0 mil. thickness.
- Standard colors: White, Gray, Black and Dark Bronze.
- RAL & custom colors available.

Electrical

- 120-277 VAC and 347-480 VAC available.
- System power factor is ≥90% and THD ≤20%*.
- Button PE available for all voltages.
- Dimming/Occupancy:
  - 0-10V continuous dimming
  - "H" option code = Wattstopper® motion sensor.
  - "H2" option code = Daintree® motion sensor.
- Surge Protection per ANSI C136.2-2015.
  - 6kV/3kA "Basic" surge protection, standard.
  - 10kV/5kA "Enhanced" surge protection optional.

** System PF and THD specified at rated watts*

Emergency Battery Backup (EMBB)

- Provides reliable emergency operations when there is a loss to normal power, supported by Independent Secondary Battery and LED Board.
- Powers luminaire for a minimum of 90 minutes @ 1,000 lumens.
- Available on A* and B* Optical Code Packages only
- Operating Temperature (for EMBB models) -20° to 40°C
- 3kV/1.5kA surge protection for EMBB models.

Warranty

- **System Warranty:** 5 Year Standard.

Evolve®
LED Wall Pack
A-Series (EWAS)

Project name _____

Date _____

Type _____

E WA S 01 _ _ 7 FM

FAMILY	GENERATION	VOLTAGE	OPTICAL CODE	DISTRIBUTION	CRI	CCT	CONTROLS	PE FUNCTION	MOUNTING	FINISH	OPTIONS
E = Evolve **W** = Wallpack **A** = A-Series **S** = Standard	**01** = Generation	**0** = 120-277 **H** = 347-480 **1** = 120 **2** = 208 **3** = 240 **4** = 277 **5** = 480 **D** = 347		**AF** = Asymmetric Forward **AW** = Asymmetric Wide **AN** = Asymmetric Narrow	**7** = 70 CRI	**30** = 3000K **40** = 4000K **50** = 5000K	**N** = No External Dimming Leads **D** = External Dimming Leads	**1** = None **3** = Button PE <> <>Button PE not available with motion sensor option. Only available with discreet voltages. Not available with voltage options 0, H or 5.	**FM** = Flush Mount	**WHTE** = White **BLCK** = Black **GRAY** = Gray **DKBZ** = Dark Bronze	**EMBB** = Emergency Battery Backup& **R** = 10kV Enhanced Surge Protection **H** = Motion Sensor **H2** = Daintree Motion Sensor ^ **Y** = Coastal Finish **XXX** = Special Options & Available with A and B Optical Codes Only ^ Not available with F and G Optical Codes

	OPTICAL CODE	DIST.	TYPICAL INITIAL LUMENS 3000K	TYPICAL INITIAL LUMENS 4000K & 5000K	TYPICAL SYSTEM WATTAGE 120-277V	TYPICAL SYSTEM WATTAGE 347-480V	BUG RATING 3000K	BUG RATING 4000K & 5000K	IES FILE NUMBER 3000K 120-277V	IES FILE NUMBER 3000K 347-480V	IES FILE NUMBER 4000K 120-277V	IES FILE NUMBER 4000K 347-480V	IES FILE NUMBER 5000K 120-277V	IES FILE NUMBER 5000K 347-480V
							B-U-G							
TYPE IV	A4	Asymmetric Forward (AF)	2900	3000	21	23	B1-U0-G1	B1-U0-G1	EWAS01_A4AF730_-120-277V.IES	EWAS01_A4AF730_-347-480V.IES	EWAS01_A4AF740_-120-277V.IES	EWAS01_A4AF740_-347-480V.IES	EWAS01_A4AF750_-120-277V.IES	EWAS01_A4AF750_-347-480V.IES
	B4		4900	5000	36	38	B1-U0-G1	B1-U0-G1	EWAS01_B4AF730_-120-277V.IES	EWAS01_B4AF730_-347-480V.IES	EWAS01_B4AF740_-120-277V.IES	EWAS01_B4AF740_-347-480V.IES	EWAS01_B4AF750_-120-277V.IES	EWAS01_B4AF750_-347-480V.IES
	C4		7300	7500	56		B1-U0-G2	B1-U0-G2	EWAS01_C4AF730_.IES		EWAS01_C4AF740_.IES		EWAS01_C4AF750_.IES	
	D4		9800	10000	77		B2-U0-G2	B2-U0-G2	EWAS01_D4AF730_.IES		EWAS01_D4AF740_.IES		EWAS01_D4AF750_.IES	
	E4		11500	12200	89		B2-U0-G2	B2-U0-G2	EWAS01_E4AF730_.IES		EWAS01_E4AF740_.IES		EWAS01_E4AF750_.IES	
	F4		13600	14400	109		B2-U0-G2	B2-U0-G2	EWAS01_F4AF730_.IES		EWAS01_F4AF740_.IES		EWAS01_F4AF750_.IES	
	G4		16100	17000	130		B3-U0-G3	B3-U0-G3	EWAS01_G4AF730_.IES		EWAS01_G4AF740_.IES		EWAS01_G4AF750_.IES	
TYPE III	A3	Asymmetric Wide (AW)	2900	3000	21	23	B1-U0-G1	B1-U0-G1	EWAS01_A3AW730_-120-277V.IES	EWAS01_A3AW730_-347-480V.IES	EWAS01_A3AW740_-120-277V.IES	EWAS01_A3AW740_-347-480V.IES	EWAS01_A3AW750_-120-277V.IES	EWAS01_A3AW750_-347-480V.IES
	B3		4900	5100	36	38	B1-U0-G1	B1-U0-G1	EWAS01_B3AW730_-120-277V.IES	EWAS01_B3AW730_-347-480V.IES	EWAS01_B3AW740_-120-277V.IES	EWAS01_B3AW740_-347-480V.IES	EWAS01_B3AW750_-120-277V.IES	EWAS01_B3AW750_-347-480V.IES
	C3		7400	7600	56		B2-U0-G1	B2-U0-G1	EWAS01_C3AW730_.IES		EWAS01_C3AW740_.IES		EWAS01_C3AW750_.IES	
	D3		9900	10200	77		B2-U0-G2	B2-U0-G2	EWAS01_D3AW730_.IES		EWAS01_D3AW740_.IES		EWAS01_D3AW750_.IES	
	E3		11700	12400	89		B2-U0-G2	B2-U0-G2	EWAS01_E3AW730_.IES		EWAS01_E3AW740_.IES		EWAS01_E3AW750_.IES	
	F3		13900	14700	109		B2-U0-G2	B2-U0-G2	EWAS01_F3AW730_.IES		EWAS01_F3AW740_.IES		EWAS01_F3AW750_.IES	
	G3		16400	17300	130		B2-U0-G2	B3-U0-G2	EWAS01_G3AW730_.IES		EWAS01_G3AW740_.IES		EWAS01_G3AW750_.IES	
TYPE II	A2	Asymmetric Narrow (AN)	2900	3000	21	23	B1-U0-G1	B1-U0-G1	EWAS01_A2AN730_-120-277V.IES	EWAS01_A2AN730_-347-480V.IES	EWAS01_A2AN740_-120-277V.IES	EWAS01_A2AN740_-347-480V.IES	EWAS01_A2AN750_-120-277V.IES	EWAS01_A2AN750_-347-480V.IES
	B2		4900	5000	36	38	B1-U0-G1	B1-U0-G1	EWAS01_B2AN730_-120-277V.IES	EWAS01_B2AN730_-347-480V.IES	EWAS01_B2AN740_-120-277V.IES	EWAS01_B2AN740_-347-480V.IES	EWAS01_B2AN750_-120-277V.IES	EWAS01_B2AN750_-347-480V.IES
	C2		7300	7500	56		B2-U0-G1	B2-U0-G2	EWAS01_C2AN730_.IES		EWAS01_C2AN740_.IES		EWAS01_C2AN750_.IES	
	D2		9800	10100	77		B2-U0-G2	B2-U0-G2	EWAS01_D2AN730_.IES		EWAS01_D2AN740_.IES		EWAS01_D2AN750_.IES	
	E2		11600	12300	89		B2-U0-G2	B2-U0-G2	EWAS01_E2AN730_.IES		EWAS01_E2AN740_.IES		EWAS01_E2AN750_.IES	
	F2		13700	14500	109		B3-U0-G3	B3-U0-G3	EWAS01_F2AN730_.IES		EWAS01_F2AN740_.IES		EWAS01_F2AN750_.IES	
	G2		16200	17100	130		B3-U0-G3	B3-U0-G3	EWAS01_G2AN730_.IES		EWAS01_G2AN740_.IES		EWAS01_G2AN750_.IES	

Evolve®
LED Wall Pack
A-Series (EWAS)

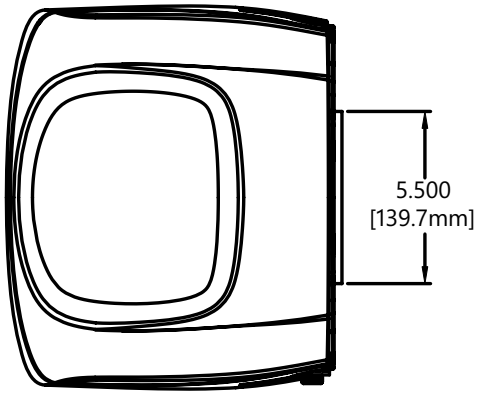
Project name _____

Date _____

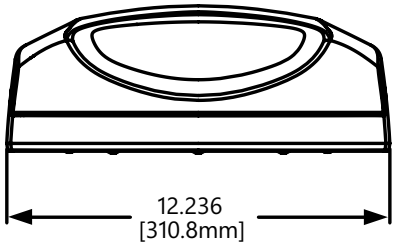
Type _____

Product Dimensions

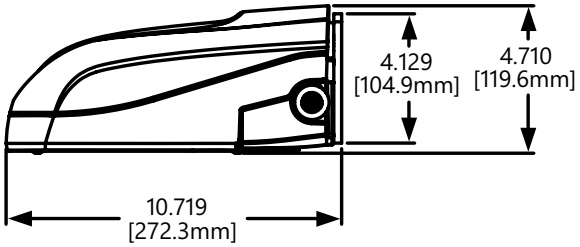
TOP VIEW

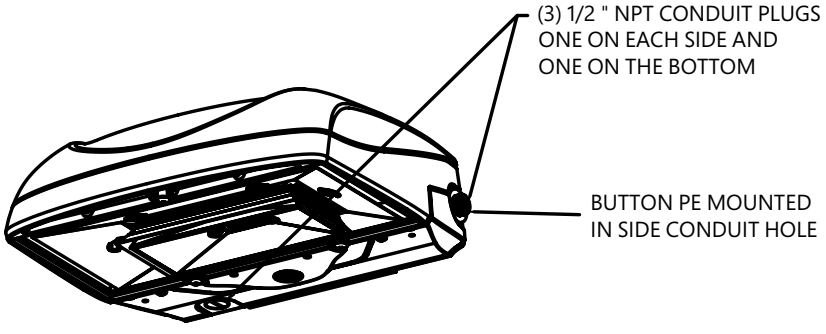


FRONT VIEW



SIDE VIEW





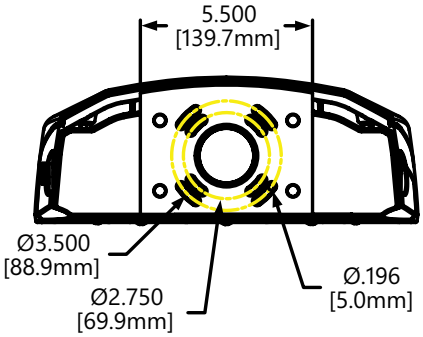
Evolve®
LED Wall Pack
A-Series (EWAS)

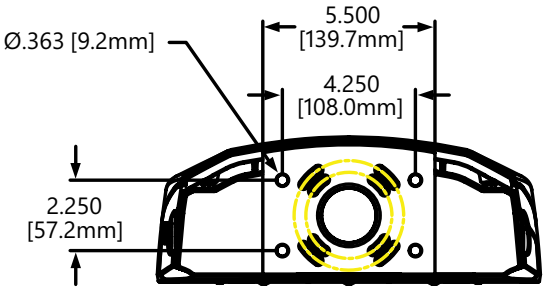
Project name _____

Date _____

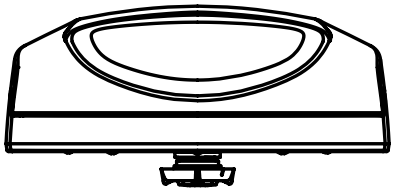
Type _____

Product Dimensions

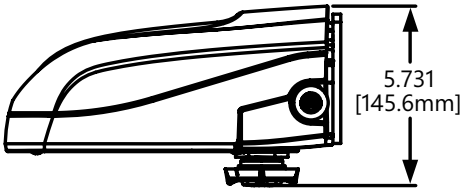




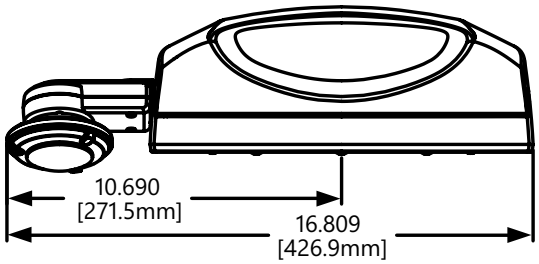
FLUSH MOUNT
3-1/2 TO 4 INCH MOUNTNG BOX

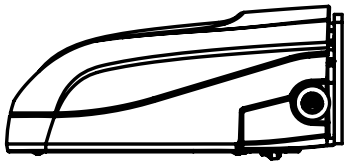


SURFACE MOUNT

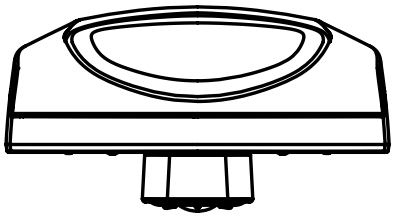


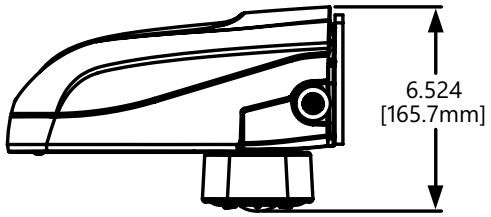
H Option - Wattstopper Motion Sensor
Bottom mount available with A, B, C, D, & E Optical Codes Only





H Option - Wattstopper® Motion Sensor
Side mount available with F &G Optical Codes Only





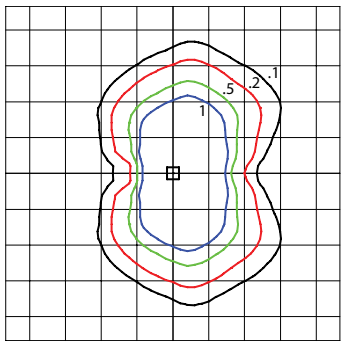
H2 Option - Daintree Motion Sensor
Bottom mount available with A, B, C, D, & E Optical Codes Only

Photometrics:

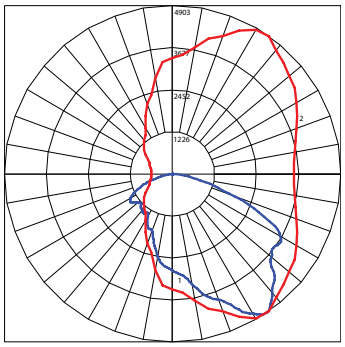
A-Series (EWAS)

EWAS
ASYMMETRIC NARROW
(D2AN750)

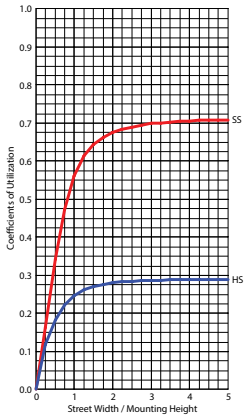
10,100 Lumens
5000K
EWAS01_D2AN750_.IES



Grid Distance in Units of Mounting Height at 15′
Initial Footcandle Values at Grade

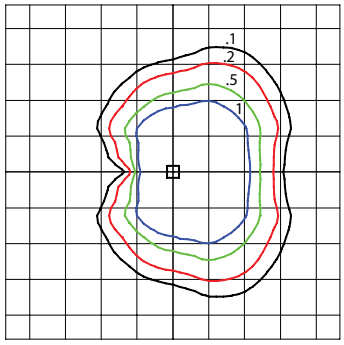


— Vertical plane through horizontal angle of Max. Cd at 55°
— Horizontal cone through vertical angle of Max. Cd at 34°

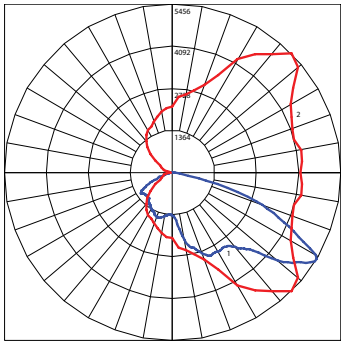


EWAS
ASYMMETRIC WIDE
(D3AW750)

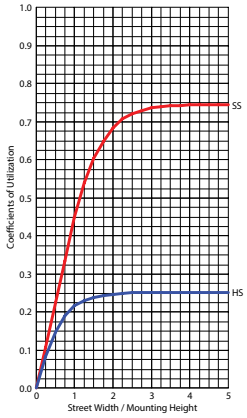
10,200 Lumens
5000K
EWAS01_D3AW750_.IES



Grid Distance in Units of Mounting Height at 15′
Initial Footcandle Values at Grade

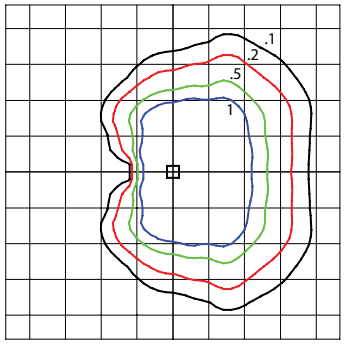


— Vertical plane through horizontal angle of Max. Cd at 45°
— Horizontal cone through vertical angle of Max. Cd at 59°

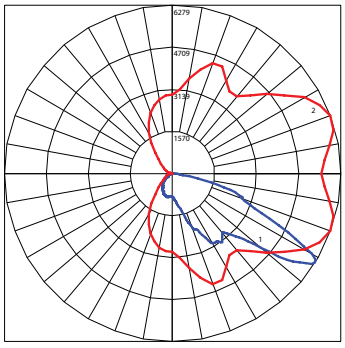


EWAS
ASYMMETRIC FORWARD
(D4AF750)

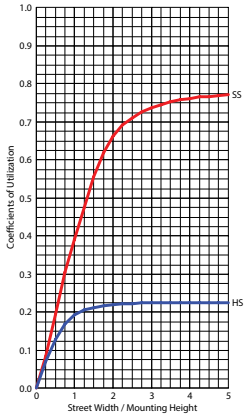
10,000 Lumens
5000K
EWAS01_D4AF750_.IES



Grid Distance in Units of Mounting Height at 15′
Initial Footcandle Values at Grade

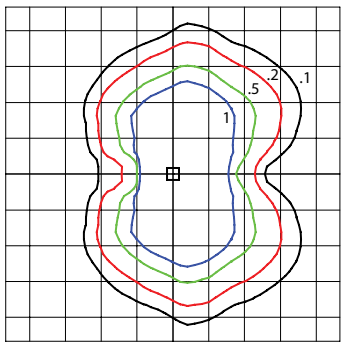


— Vertical plane through horizontal angle of Max. Cd at 20°
— Horizontal cone through vertical angle of Max. Cd at 58°

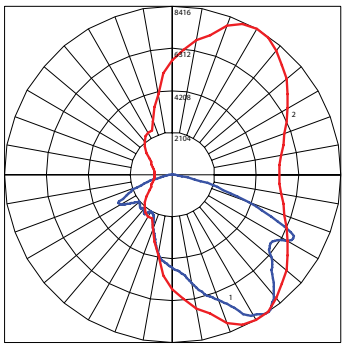


EWAS
ASYMMETRIC NARROW
(G2AN750)

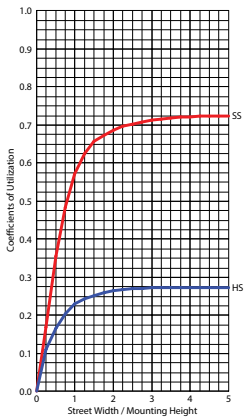
17,100 Lumens
5000K
EWAS01_G2AN750_.IES



Grid Distance in Units of Mounting Height at 15′
Initial Footcandle Values at Grade



— Vertical plane through horizontal angle of Max. Cd at 60°
— Horizontal cone through vertical angle of Max. Cd at 35°



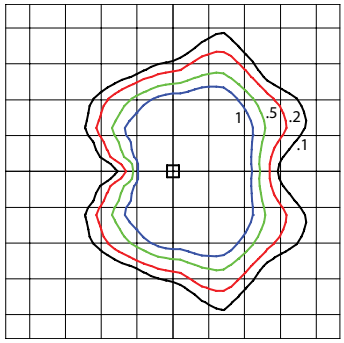
Photometrics:

A-Series (EWAS)

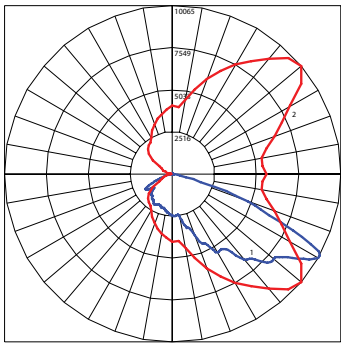
EWAS

ASYMMETRIC WIDE
(G3AW750)

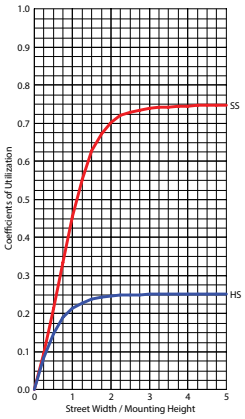
17,300 Lumens
5000K
EWAS01_G3AW750_.IES



Grid Distance in Units of Mounting Height at 15'
Initial Footcandle Values at Grade



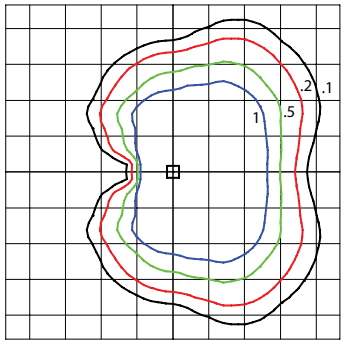
— Vertical plane through horizontal angle of Max. Cd at 40°
— Horizontal cone through vertical angle of Max. Cd at 61°



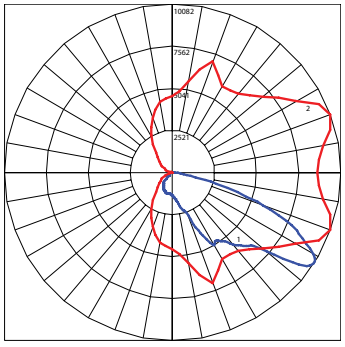
EWAS

ASYMMETRIC FORWARD
(G4AF750)

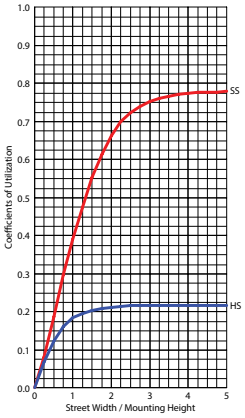
17,000 Lumens
5000K
EWAS01_G4AF750_.IES



Grid Distance in Units of Mounting Height at 15'
Initial Footcandle Values at Grade



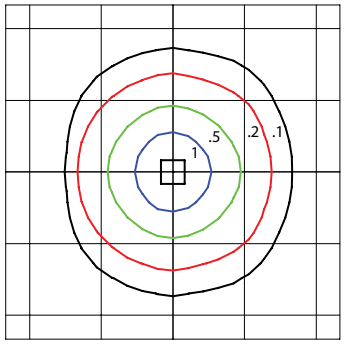
— Vertical plane through horizontal angle of Max. Cd at 20°
— Horizontal cone through vertical angle of Max. Cd at 57°



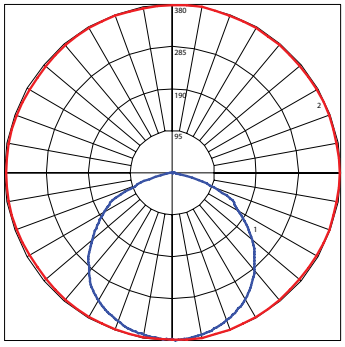
EWAS

(With Emergency Battery
Backup in Operation)

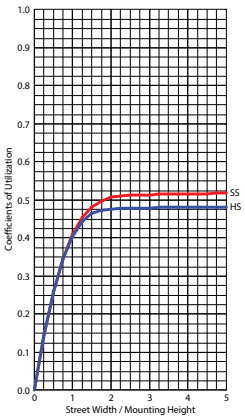
1,000 Lumens
3000K, 4000K, 5000K
EWAS01_With Emergency
Battery Backup On_.IES



Grid Distance in Units of Mounting Height at 15'
Initial Footcandle Values at Grade



— Vertical plane through horizontal angle of Max. Cd at 80°
— Horizontal cone through vertical angle of Max. Cd at 1°



Evolve®
LED Wall Pack
A-Series (EWAS)

Project name _____

Date _____

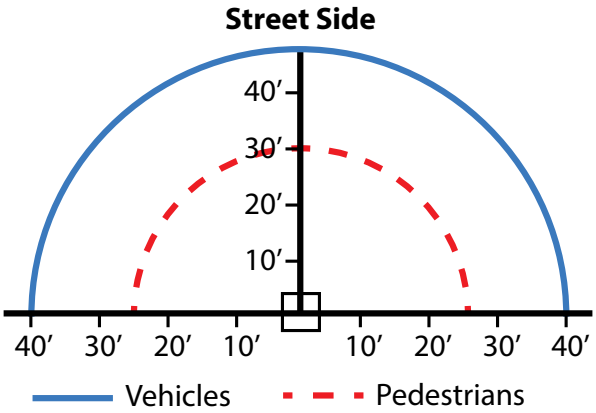
Type _____

Accessories

Motion Sensing Option:

H = Wattstopper®
- Intended for 8-25ft mounting heights
- Provides a coverage area radius for walking motion of 25-30ft
- Provides 180° coverage (~180° blocked by wall).
- Photoelectric control is integrated
- Factory set at 10% dimming after 5 minutes with no occupancy
- May be programmed using additional remote programmer. Remote programmer part number WS FSIR-100 Programmer (197634)

H2 - WHS100 Daintree®
- Intended for 8-25ft mounting heights
- Provides a coverage area radius for walking motion of 25-30ft
- Provides 180° coverage (~180° blocked by wall).
- Factory preset to 50% dimming with no occupancy
- Photoelectric control is integrated through the motion sensor and is offered as standard
- Requires Daintree Enterprise and wide area control (WAC)



Sensing Pattern Wall Pack Fixture: 8-25 ft.

GE current
a Daintree company

www.gecurrent.com

OLP3165 (Rev 06/5/20) A-1025538