

# ARCHITECTURAL REVIEW BOARD APPLICATION



TOWN OF MONROE  
**PLANNING & ZONING DEPARTMENT**  
7 Fan Hill Road, Monroe, CT 06468  
Tel. (203) 452-2812

FOR OFFICE USE:

ARB File # \_\_\_\_\_

Project Name: \_\_\_\_\_

PZC Project #: \_\_\_\_\_ PZC File #: \_\_\_\_\_

Street Address: \_\_\_\_\_

Assessor Map: \_\_\_\_\_ and Lot: \_\_\_\_\_ Zoning District: \_\_\_\_\_ Lot Acreage: \_\_\_\_\_

## REQUIRED APPLICATION SUBMISSION MATERIALS

- **Formal Application Submission** – Provide **two (2) paper application sets** (*plans folded and materials collated into individual sets*) and **one (1) pdf CD** including the following materials: (a) signed application form; (b) supporting application narrative; and (c) Submission Materials Required as listed below.
- **Sealed and Certified Plans** – All Surveys, Site Plans and Architectural Plans shall be current and include an original seal and live signature certification of the professional preparer.
- **Submission Materials Required**
  - Site Plans and Details – Layout, Grading and Landscape Plans and Details (24" x 36" Sheets)**  
Site Plans shall indicate the existing and proposed treatment and detail of all site and building improvements; landscaping specifying location, number and type of vegetation; ingress and egress of vehicular and pedestrian traffic; parking and sidewalks; and the like.
  - Architectural Plans – Floor Plans and Exterior Elevations of ALL sides (24" x 36" Sheets)**  
Floor Plans shall indicate entrances and exits with relation to exterior components, and interior use and layout, as well as interior connections between floors. Elevations shall clearly show and indicate proposed building materials and finishes; dimensions sufficient to establish overall building height and width and other pertinent dimensions to clearly describe design intent. Where an addition to an existing building or structure is proposed, the existing building or structure shall be shown grayed-out to contrast existing from proposed.
  - Signage and Lighting Plans and Details (24" x 36" Sheets)**  
Design and details of signs and light fixtures, including catalog cuts, materials, colors and photometric plan.
  - Materials/Finishes**  
Indicate materials and finishes on Elevations and Details. Provide samples of materials and finishes.
  - Relation to Adjacent Area**  
Provide photographs of the project site and surrounding area.
  - Other Information**  
Provide additional information as necessary to clearly describe the proposed project or as required by the ARB.

**CONTACT INFORMATION**

1. **Applicant's name:** \_\_\_\_\_  
Address: \_\_\_\_\_  
Phn/Cell: \_\_\_\_\_ Email: \_\_\_\_\_  
**Property interest:**  Owner  Contract Vendee  Tenant  Other \_\_\_\_\_

2. **Owner's Name:** \_\_\_\_\_  
Address: \_\_\_\_\_  
Phn/Cell: \_\_\_\_\_ Email: \_\_\_\_\_

3. **Primary Contact Name:** \_\_\_\_\_  
Business Address: \_\_\_\_\_  
Phn/Cell: \_\_\_\_\_ Email: \_\_\_\_\_

**The applicant's Primary Project Contact will be sent all correspondence (primarily via email) during the course of the project review and is responsible for distributing to the other applicant representatives.**

<b>4. Application Professionals</b>	<i>Name</i>	<i>Phone/Cell</i>	<i>Email</i>
Attorney:	_____	_____	_____
Surveyor:	_____	_____	_____
Engineer:	_____	_____	_____
Landscape Architect:	_____	_____	_____
Architect:	_____	_____	_____
Other:	_____	_____	_____

**DESCRIPTION OF PROPOSED PROJECT**

New Building/Structure on Undeveloped Lot     Addition to Existing Building/Structure on Developed Lot

Existing Footprint: \_\_\_\_\_ sf    New Footprint: \_\_\_\_\_ sf    Total Footprint: \_\_\_\_\_ sf

Existing GFA: \_\_\_\_\_ sf    New GFA: \_\_\_\_\_ sf    Total GFA: \_\_\_\_\_ sf

Existing Height / Stories: \_\_\_\_\_ ft    \_\_\_\_\_ stories

Proposed Height / Stories: \_\_\_\_\_ ft    \_\_\_\_\_ stories

Other Proposed Site Improvements:

## **ARB MISSION**

The mission of the **Architectural Review Board (ARB)** is to assist applicants interested in constructing new buildings and structures, or altering and expanding existing buildings and structures, in the Town of Monroe ensure such proposals compliment the historical and residential nature of the Town and help preserve the quality of the Town's built and natural environments for generations to come.

## **ARB SERVES AN ADVISORY ROLE TO PLANNING AND ZONING COMMISSION**

The ARB serves as an advisory Board to the Monroe Planning and Zoning Commission. The Planning and Zoning Commission is the approval entity of all projects before ARB.

## **ELEMENTS CONSIDERED BY ARB**

The ARB evaluation will consider the following:

- **Landscape and Environment** – To ensure compatibility and complimentary changes to Monroe landscapes and environmental conditions; and to prevent the unnecessary destruction or blighting of the natural landscape or of the existing developed environment.
- **Design of Buildings and Structures** – To ensure Site Plans, architectural design and construction materials and finishes are of such nature and character they will compliment, be compatible and protect and preserve the integrity of existing patterns, styles, and vernacular image and character of the project site and surrounding area; while protecting property values of the Town.
- **Relationship of Buildings and Structure(s) to Open Space** – To ensure the treatment of disturbed areas in relation to open areas relates to existing topography and natural environmental conditions and patterns, as well as to existing buildings and structures of the site and surrounding area.
- **Consideration of Adjoining Properties and Uses** – To ensure reasonable provisions have been made for sight and sound buffers, preservation of views, and other design elements which may have impact adjoining properties and land uses.
- **Design of Accessory Elements** – To ensure the function and design of accessory project elements including but not limited to lighting, signage, landscaping are appropriately considered and incorporated, with emphasis on the scale and density of street landscaping elements, delivery route and refuse storage screening, and the like.

## **ARB MEETING SCHEDULE**

- ARB meetings are second and third Tuesday of each month, except August and December, and holidays.
- ARB meetings begin at 7:30 pm and applicants and their professional representatives must attend and present their proposed project plans, and answer questions of the ARB.
- Most applications are evaluated in a single meeting, but additional meetings may be required based on the proposed project, its complexity or scale, and if sufficient information is not provided.

I(we) hereby certify that I(we) make this application as or on behalf of and with the full authority of the owner(s) of the property or premises and am aware of and understand the Zoning, Subdivision and Inland Wetlands Regulations pertinent to the application and affirm that the statements and information provided are accurate and true. Further, all the undersigned hereby authorizes the Town of Monroe and its agents, to access the premises for the purpose of application investigation, site review, inspection of improvements or construction, and enforcement of the Town’s Regulations and Ordinances, and the General Statutes of the State of Connecticut, as may be applicable.

All the undersigned warrant the truth of all statements contained herein and in all supporting documents according to the best of their knowledge and belief. Further, all the undersigned understand and agree that the Architecture Review Board (ARB) and/or its Staff/Consultants may request additional information and it is the applicant’s/owner’s responsibility to provide this information in a timely fashion and to the ARB's satisfaction. If the information provided is incomplete or inaccurate, the ARB may hold additional meetings with the applicant and/or render a negative report and recommendation to the Planning and Zoning Commission.

This agreement shall be binding on all heirs, executors, administrators, successors and assigns of all undersigned.

**APPLICANT(S) – (Both Applicant and Owner Notarized Signatures are Required)**

_____	_____	_____
<b>Applicant Name Printed</b>	<b>Authorized Signature</b>	<b>Date</b>
_____	_____	_____
<b>Additional Applicant</b> <b>(Provide additional sheets as needed)</b>	<b>Authorized Signature</b>	<b>Date</b>

Subscribed and sworn to by \_\_\_\_\_ on this day of \_\_\_\_\_, 20\_\_\_\_, before me:

\_\_\_\_\_  
Notary Public, Justice of the Peace, Commissioner of the Superior Court

Please note the following: **This application must include the owner’s signature and notarization or a written, notarized consent to submit this application, signed and dated by the owner.**

**OWNER(S) – (Both Applicant and Owner Notarized Signatures are Required)**

\_\_\_\_\_  
Owner Business Name

_____	_____	_____
<b>Authorized Member Name Printed</b>	<b>Authorized Signature</b>	<b>Date</b>

Subscribed and sworn to by \_\_\_\_\_ on this day of \_\_\_\_\_, 20\_\_\_\_, before me:

\_\_\_\_\_  
Notary Public, Justice of the Peace, Commissioner of the Superior Court

I (we) hereby certify that I (we) make this application as or on behalf of and with the full authority of the owner(s) of the property or premises and am aware of and understand the Zoning, Subdivision and Inland Wetlands Regulations pertinent to the application and affirm that the statements and information provided are accurate and true. Further, all the undersigned hereby authorizes the Town of Monroe and its agents, to access the premises for the purpose of application investigation, site review, inspection of improvements or construction, and enforcement of the Town's Regulations and Ordinances, and the General Statutes of the State of Connecticut, as may be applicable.

All the undersigned warrant the truth of all statements contained herein and in all supporting documents according to the best of their knowledge and belief. Further, all the undersigned understand and agree that the Planning and Zoning Commission and/or its Staff/Consultants may request additional information and it is the applicant's/owner's responsibility to provide this information in a timely fashion and to the Commission's satisfaction. If the information provided is incomplete or inaccurate, the Commission may deny the application or request an extension to be granted by the applicant/owner in order to act within applicable legal time limits.

This agreement shall be binding on all heirs, executors, administrators, successors and assigns of all undersigned.

**APPLICANT(S) – (Both Applicant and Owner Notarized Signatures are Required)**

<u>DANIEL BARTOLI</u> Applicant Name Printed	<u>[Signature]</u> Authorized Signature	<u>12/21/2020</u> Date
<u>MICHAEL PICARAZZI</u> Additional Applicant (Provide additional sheets as needed)	<u>[Signature]</u> Authorized Signature	<u>12/21/2020</u> Date

Subscribed and sworn to by Linda Nichio on this day of December 21, 2020, before me:

[Signature]  
Notary Public, Justice of the Peace, Commissioner of the Superior Court

**LINDA NICHIO**  
**NOTARY PUBLIC**  
MY COMMISSION EXPIRES MAY 31, 2021

Please note the following: This application must include the owner's signature and notarization or a written, notarized consent to submit this application, signed and dated by the owner.

**OWNER(S) – (Both Applicant and Owner Notarized Signatures are Required)**

<u>ENTERPRISE DRIVE LLC</u> Owner Business Name		
<u>DANIEL BARTOLI</u> Authorized Member Name Printed	<u>[Signature]</u> Authorized Signature	<u>12/21/20</u> Date

Subscribed and sworn to by Linda Nichio on this day of December 21, 2020, before me:

[Signature]  
Notary Public, Justice of the Peace, Commissioner of the Superior Court

**LINDA NICHIO**  
**NOTARY PUBLIC**  
MY COMMISSION EXPIRES MAY 31, 2021

**FOUNDATION NOTES AND SPECIFICATIONS**

**EXCAVATION PREPARATION:**

- IDENTIFY REQUIRED LINES, LEVELS, AND DATUM. IDENTIFY KNOWN UNDERGROUND, ABOVE-GROUND, AND AERIAL UTILITIES. STAKE AND FLAG LOCATIONS.
- PROTECT ABOVE AND BELOW GRADE UTILITIES WHICH ARE TO REMAIN.
- PROTECT PLANT LIFE, LAWNS, ROCK OUTCROPPING, AND OTHER FEATURES REMAINING AS A PORTION OF FINAL LANDSCAPING.
- PROTECT BENCHMARKS, EXISTING PAVING, EXISTING SIDEWALKS, AND CURBS FROM EXCAVATION EQUIPMENT AND VEHICULAR TRAFFIC.
- CONTRACTOR SHALL ENGAGE THE SERVICES OF A TESTING COMPANY TO VERIFY THE SOILS ON WHICH THE FOOTINGS WILL SIT UPON WILL SUPPORT A MIN. OF 3,000psf.

**EXCAVATION:**

- EXCAVATE SOIL AND DEPOSIT IN PROTECTED PILES ON SITE. IN LOCATIONS TO BE DESIGNATED BY THE SITE ENGINEER.
- UNDERPIN ADJACENT STRUCTURES WHICH MAY BE DAMAGED BY EXCAVATION WORK, INCLUDING UTILITIES AND PIPE TRENCHES OR CHASES.
- EXCAVATE SUBSOIL REQUIRED TO ACCOMMODATE BUILDING FOUNDATIONS, SLABS-ON-GRADE, PAVING, DECK FOOTINGS AND CONSTRUCTION OPERATIONS.
- SUBGRADE SOIL PREPARATION, IF UNSUITABLE SOIL IS ENCOUNTERED, SHALL BE TO REMOVE ALL UNSUITABLE MATERIALS FROM BELOW PROPOSED STRUCTURE FOUNDATIONS AND COMPACT EXPOSED SOIL SURFACES. PLACE AND COMPACT APPROVED GRAVEL FILL. FILL SHALL BE COMPACTED IN LAYERS NOT TO EXCEED 10" BEFORE COMPACTION.
- MANUALLY SLOP BANKS ADJACENT TO FOOTINGS TO ANGLE OF REPOSE OR LESS, UNTIL SHORED. EXCAVATION CUT SHALL NOT INTERFERE WITH NORMAL BEARING SPREAD OF ANY EXISTING FOUNDATIONS.
- GRADE TOP PERIMETER OF EXCAVATION TO PREVENT SURFACE WATER FROM DRAINING INTO FOUNDATION.
- HAND TRIM FOUNDATION EXCAVATIONS. REMOVE LOOSE MATTER.
- REMOVE LUMPED SUBSOIL, BOULDERS, AND ROCK UP TO 1/2 CU YD MEASURED BY VOLUME. ALL LARGER MATERIAL IS TO BE BROKEN UP AND REMOVED FROM THE SITE.
- NOTIFY SITE ENGINEER OF UNEXPECTED SUBSURFACE CONDITIONS AND DISCONTINUE AFFECTED WORK IN AREA UNTIL NOTIFIED TO RESUME WORK.
- STOCKPILE EXCAVATED MATERIAL SUITABLE FOR BACKFILL IN AREA OF SITE TO BE DESIGNATED BY SITE ENGINEER. PREVENT MINGLING BACKFILL MATERIALS WITH TOPSOIL. REMOVE EXCESS MATERIALS NOT BEING REUSED FROM SITE.

**EXCAVATION PROTECTION:**

- PROTECT EXCAVATIONS BY METHODS REQUIRED TO PREVENT CAVE-IN OR LOOSE SOIL FROM FALLING INTO EXCAVATION.
- ALL SOIL SURROUNDING AND UNDER ALL FOOTINGS SHALL BE PROTECTED FROM FREEZING AND FROST DURING THE COURSE OF CONSTRUCTION.
- PROTECT EXCAVATED AREAS WITH FENCING OR OTHER BARRIERS TO PREVENT WORKERS FROM ACCIDENTALLY ENTERING THE AREA.

**CONCRETE MATERIALS:**

- FOOTINGS AND WALLS: CONCRETE USED IN FOUNDATION WALLS AND FOOTINGS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,500 psi AT 28 DAYS.
- SLABS: PORCH, GARAGE AND CONCRETE EXPOSED TO THE WEATHER SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,500 psi AT 28 DAYS.
- NO ADDED WATER ALLOWED IN EXCESS OF APPROVED MIX.
- AIR ENTRAINMENT- MIN. 5% MAX. 7%.
- MAXIMUM WATER SOLUBLE CHLORIDE ION CONCENTRATIONS IN HARDENED CONCRETE SHALL NOT EXCEED 0.30 PERCENT (0.003) BY WEIGHT OF CEMENT. THIS INCLUDES, BUT IS NOT LIMITED TO, CONTRIBUTIONS FROM WATER, AGGREGATES, CEMENTITIOUS MATERIALS, AND ADMIXTURES. CALCIUM CHLORIDE OR ANY ADMIXTURE CONTAINING CHLORIDE SALTS SHALL NOT BE USED IN CONCRETE.
- REINFORCING STEEL SHALL CONFORM TO ASTM A615 AND BE 60,000psi YIELD STRENGTH.
- WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185.

**CONCRETE PLACEMENT:**

- ALL FOOTINGS ARE TO REST ON FIRM UNDISTURBED SOIL, REGARDLESS OF ELEVATIONS SHOWN ON DRAWINGS. ALL "TOP" (TOP OF FOOTING) ELEVATIONS ARE INDICATED ON THE FOUNDATION PLAN. ALL ELEVATIONS ARE GIVEN WITH RESPECT TO THE BENCH MARK ELEVATION BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BE AT LEAST 42" BELOW FINISHED GRADES.
- PENETRATE EACH SUCCESSIVE LAYER WITH VIBRATOR IN ORDER TO ELIMINATE VOIDS AND "COLD JOINTS".
- WHERE STEP FOOTINGS ARE REQUIRED, SLOPE EXCAVATION FOR BOTTOM OF FOOTINGS AT THE RATE OF 1 UNIT VERTICAL TO 2 UNITS HORIZONTAL.
- ALL REINFORCEMENT SHALL BE CONTINUOUS UNLESS OTHERWISE NOTED. SPLICES SHALL BE WELL STAGGERED. ADDITIONAL BARS AND SPECIAL BENDING DETAILS ARE REQUIRED AT INTERSECTING WALLS AND AT JOINTS. SUCH DETAILS SHALL COMPLY WITH ACT 315 RECOMMENDATIONS UNLESS OTHERWISE APPROVED.
- UNLESS OTHERWISE NOTED, ALL LAP SPLICES SHALL BE CLASS "C". SEE ACT 315 FOR TABULATION OF DEVELOPMENT AND SPLICE LENGTHS.
- VERTICAL CONSTRUCTION JOINT SPACING IN FOUNDATION WALLS SHALL NOT EXCEED 35' INTERMEDIATE SPACING NOR 20' FROM ANY CORNER OR INTERSECTING WALL. JOINTS SHALL BE KEYPED; HORIZONTAL REINFORCEMENT SHALL EXTEND THROUGH JOINTS.
- SHEAR KEYS (1 1/2" X 3") SHALL BE PROVIDED IN ALL CONCRETE WALLS AND BETWEEN FOOTINGS AND WALLS.
- CONTROL JOINTS IN SLAB ON GRADE ARE TO BE PROVIDED AT COLUMN LINES AND AT SLAB CORNERS. SAW CUT 1/8" WIDE AND TO DEPTH EQUAL TO 1/4 OF SLAB THICKNESS. CONSTRUCTION JOINTS AS REQUIRED SHALL BE KEYPED AND LOCATED AT CONTROL JOINT INTERVALS.
- WALL AND SLAB SURFACES SHALL BE SEALED WITH A RESIN BASE CURING/SEALING COMPOUND CONFORMING TO ASTM C309. APPLY CURING COMPOUND IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- BUILD INTO CONCRETE ALL PRODUCTS SO SPECIFIED AND INDICATED. COORDINATE WITH OTHER TRADES.

**BACKFILLING:**

- CONTRACTOR TO HAVE A SOILS ENGINEER TO VERIFY FILL MATERIALS TO BE USED ARE ACCEPTABLE.
- SYSTEMATICALLY BACKFILL TO ALLOW MAXIMUM TIME FOR NORMAL SETTLEMENT. DO NOT BACKFILL OVER POROUS, WET, FROZEN, OR SPONGY SUBGRADE SURFACES.
- WHERE EARTH WILL BE ON ONE SIDE OF FOUNDATION WALLS, BACKFILL AND COMPACTION SHALL NOT START UNTIL FLOOR SLAB OR PERMANENT BRACING ARE IN PLACE OR ADEQUATE TEMPORARY BRACING IS PROVIDED FOR WALL SUPPORT. WHERE EARTH WILL BE ON BOTH SIDES OF WALLS, BACKFILL SHALL BE PLACED SIMULTANEOUSLY SO THAT MAXIMUM GRADE DIFFERENCE IS LIMITED TO TWELVE (12) INCHES.
- PLACE AND COMPACT MATERIALS IN CONTINUOUS LAYERS NOT EXCEEDING TEN (10) INCHES COMPACTED DEPTH.
- EMPLOY A PLACEMENT METHOD THAT DOES NOT DISTURB OR DAMAGE FOUNDATION PERIMETER DRAINAGE, FOUNDATION DAMPROOFING, AND UTILITIES IN TRENCHES.
- SLOPE GRADE AWAY FROM BUILDING MINIMUM 6 INCHES IN 10 FEET UNLESS NOTED OTHERWISE.
- MAKE GRADE CHANGES GRADUAL. BLEND SLOPE INTO LEVEL AREAS.
- REMOVE SURPLUS BACKFILL MATERIALS FROM SITE. LEAVE FILL MATERIAL STOCKPILE AREAS COMPLETELY FREE OF EXCESS MATERIALS.

**BACKFILLING PROTECTION:**

- RECOMPACT FILLS SUBJECTED TO VEHICULAR TRAFFIC, OR DISTURBED BY CONSTRUCTION OPERATIONS. DO NOT PERMIT LOAM, VEGETABLE MATTER OR ORGANIC DEBRIS TO BECOME INCORPORATED INTO FILL.

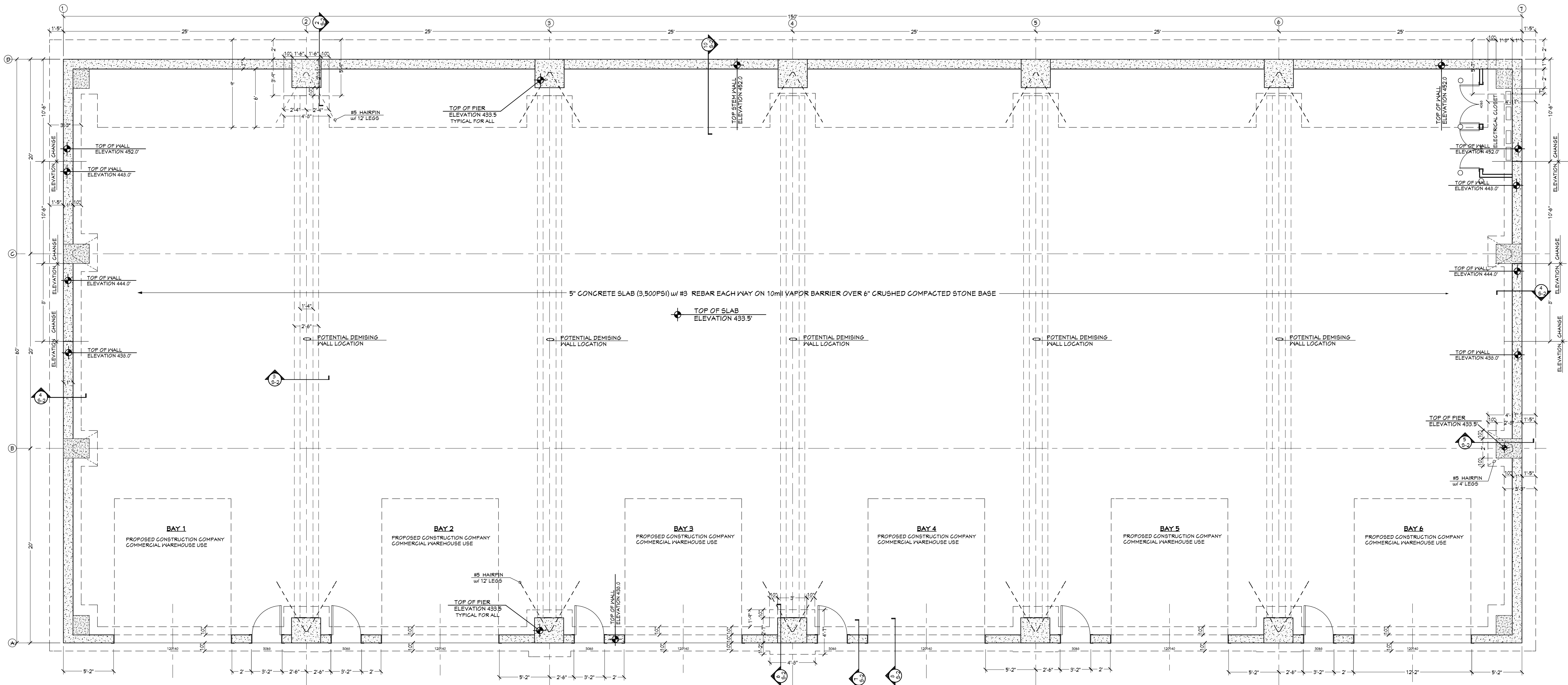
**GENERAL NOTES:**

FOUNDATION CONTRACTOR SHALL PROVIDE THE COMPANY NAME AND CONTACT INFO OF THE CONCRETE SUPPLIER AND COMPANY NAME AND CONTACT INFO OF THE CONCRETE INSTALLER TO THE BUILDING DEPARTMENT PRIOR TO FINIAL INSPECTION.

WATER, GAS AND SEWER LOCATIONS TO BE FIELD COORDINATED OR SEE SITE PLAN

DIMENSIONS ON THIS PLAN REFERENCE FACES OF CONCRETE FOUNDATION WALLS AND PT SILL PLATES ABOVE WHERE INDICATED BY FLOOR PLANS

CONTRACTOR SHALL ASSUME ALL RESPONSIBILITIES FOR COORDINATING PROVIDING ACCESS FOR DUCT AND PLUMBING CHASES BELOW CONCRETE SLABS AND THROUGH FOUNDATION WALLS AS REQUIRED BY OTHER TRADES.



1  
S-1

**FOUNDATION PLAN**  
3/16" = 1' - 0"

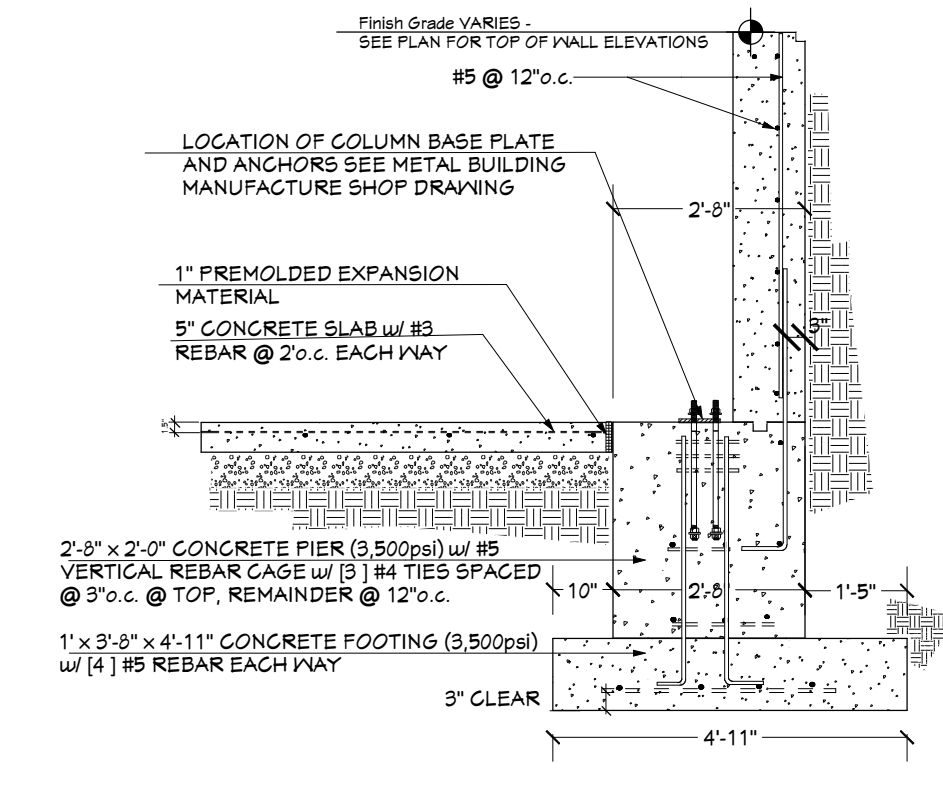
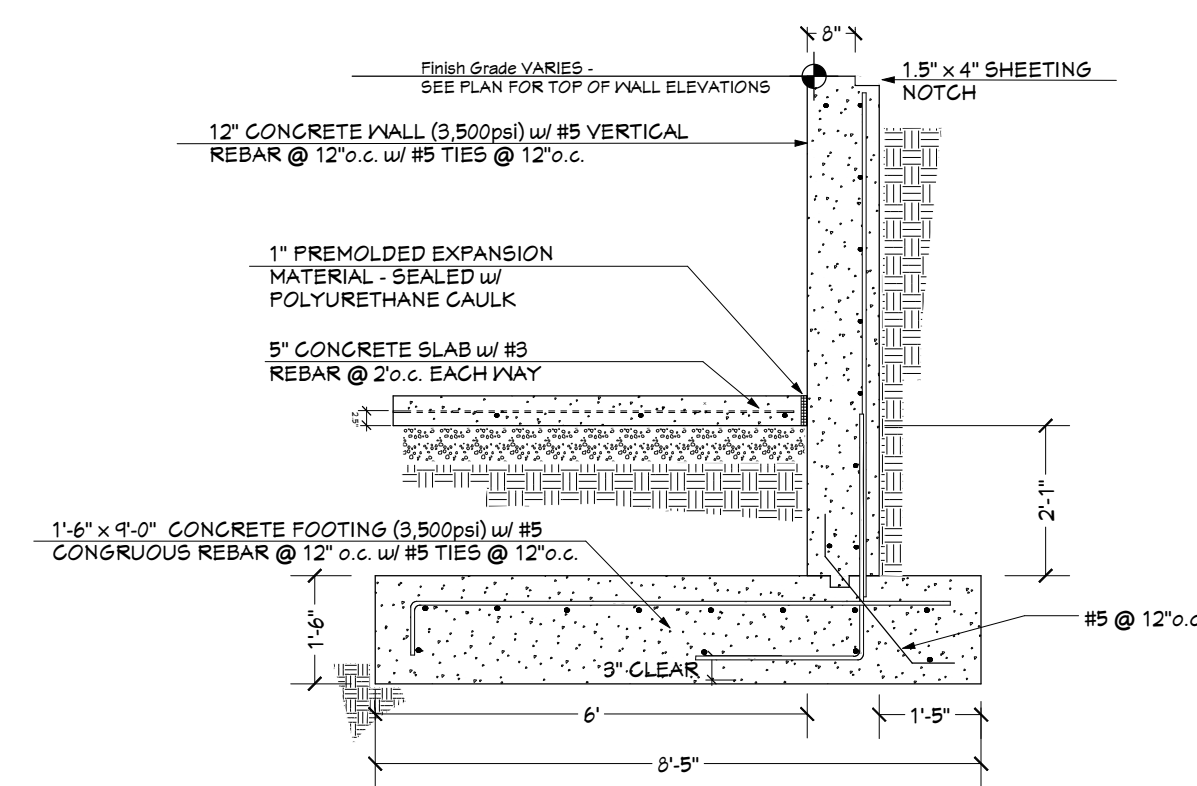
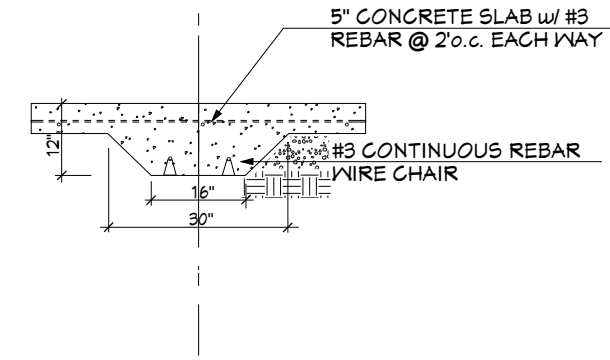
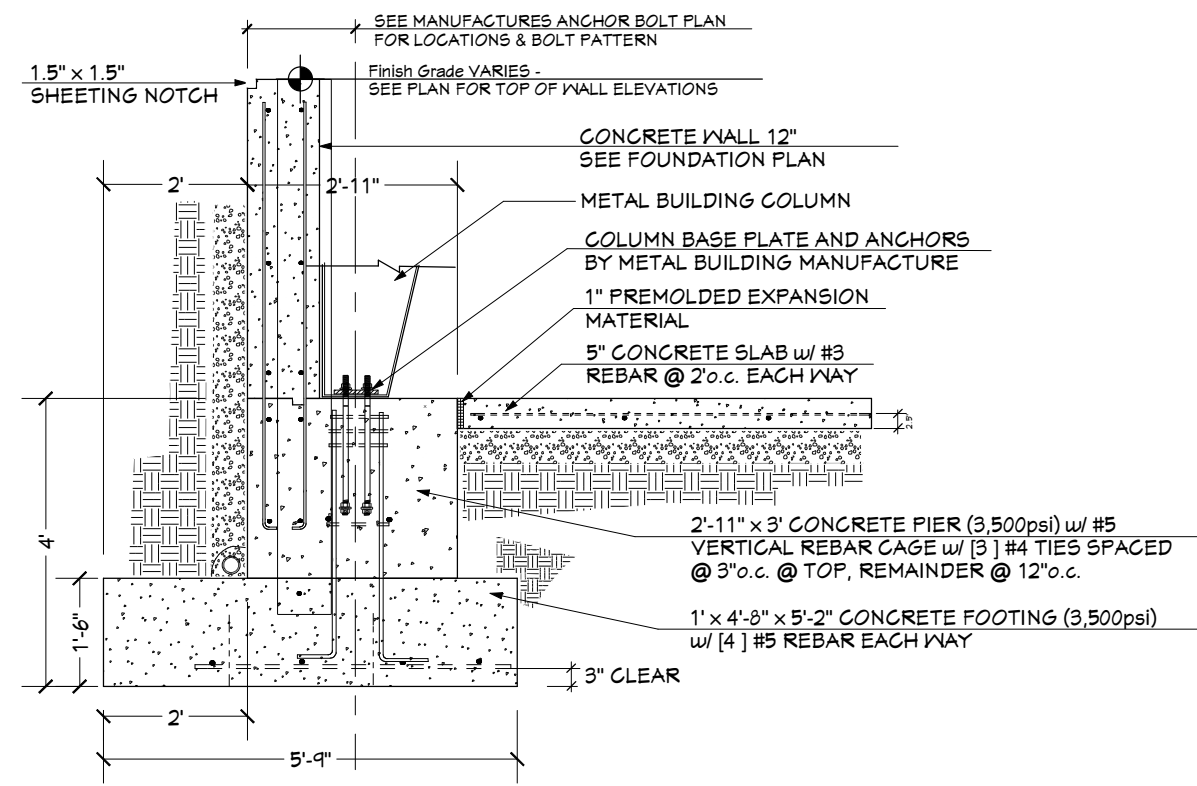
REVISED 11-18-19  
REVISED 11-21-19  
REVISED 10-25-20

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**JLG Designs, LLC**  
INTERIORS & BUILDING DESIGNS  
Milford, Connecticut 06460  
Phone: 203-876-2095  
E-mail: jlg-design@juno.com  
CT REGISTERED INTERIOR DESIGNER AND CT LICENSED BUILDING OFFICIAL

**NEW COMMERCIAL BUILDING**  
98 ENTERPRISE DRIVE  
MONROE, CT

DRAWING NO.  
**S-1**  
DATE: 8-27-2019  
SCALE: AS NOTED

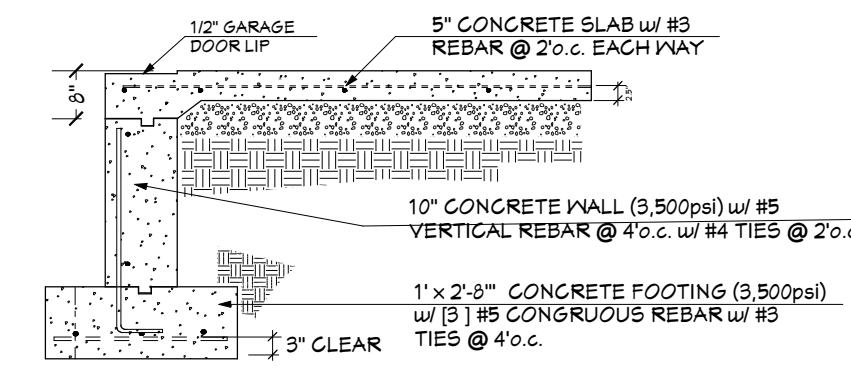
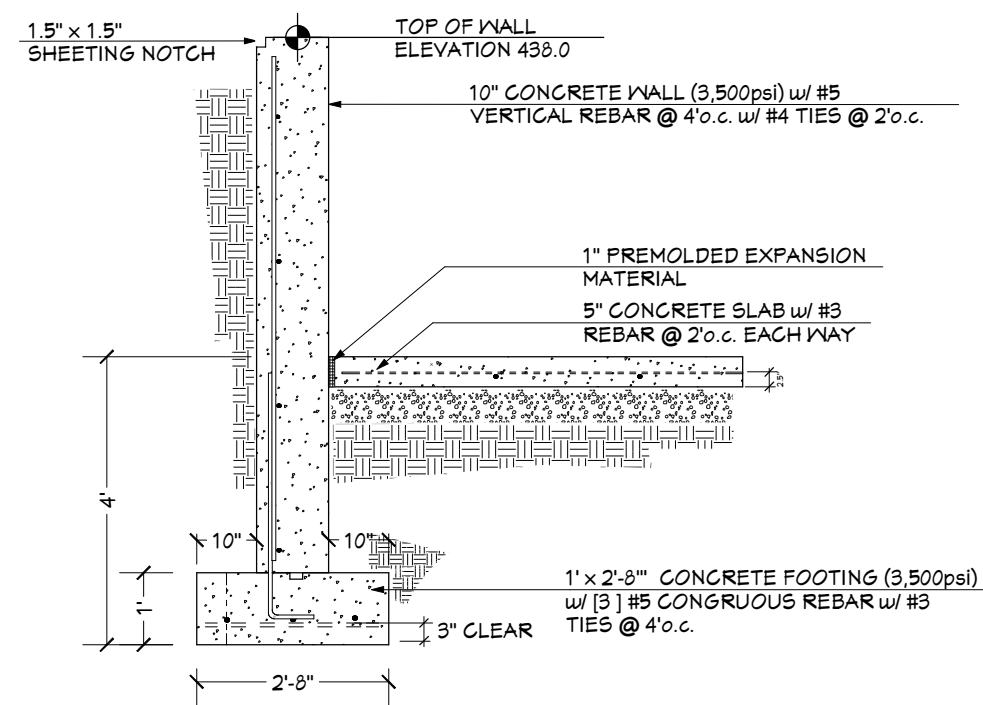
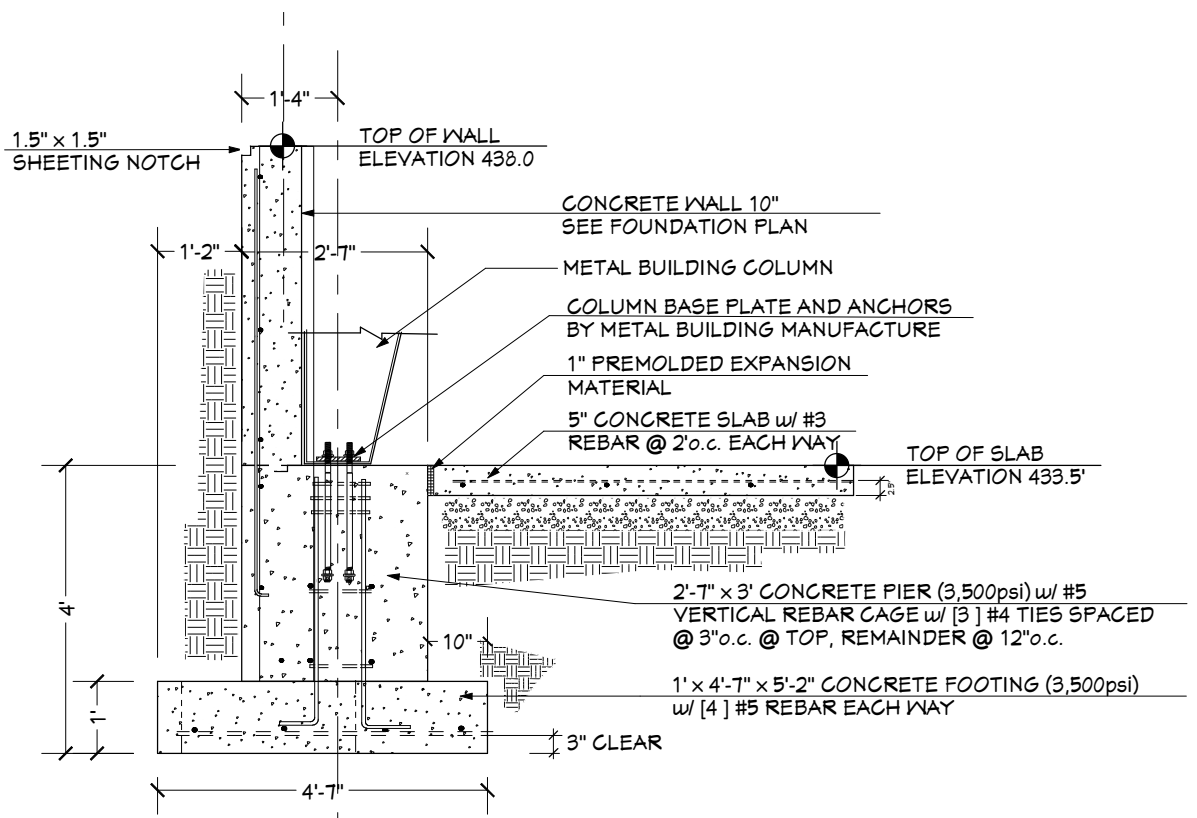


**2 COLUMN - PIER & FOOTING**  
S-2 3/8" = 1' - 0"

**3 DIVIDER WALL FND. SECTION**  
S-2 3/8" = 1' - 0"

**4 REAR & SIDE FND WALL DETAIL**  
S-2 3/8" = 1' - 0"

**5 END WALL FOOTING DETAIL**  
S-2 3/8" = 1' - 0"

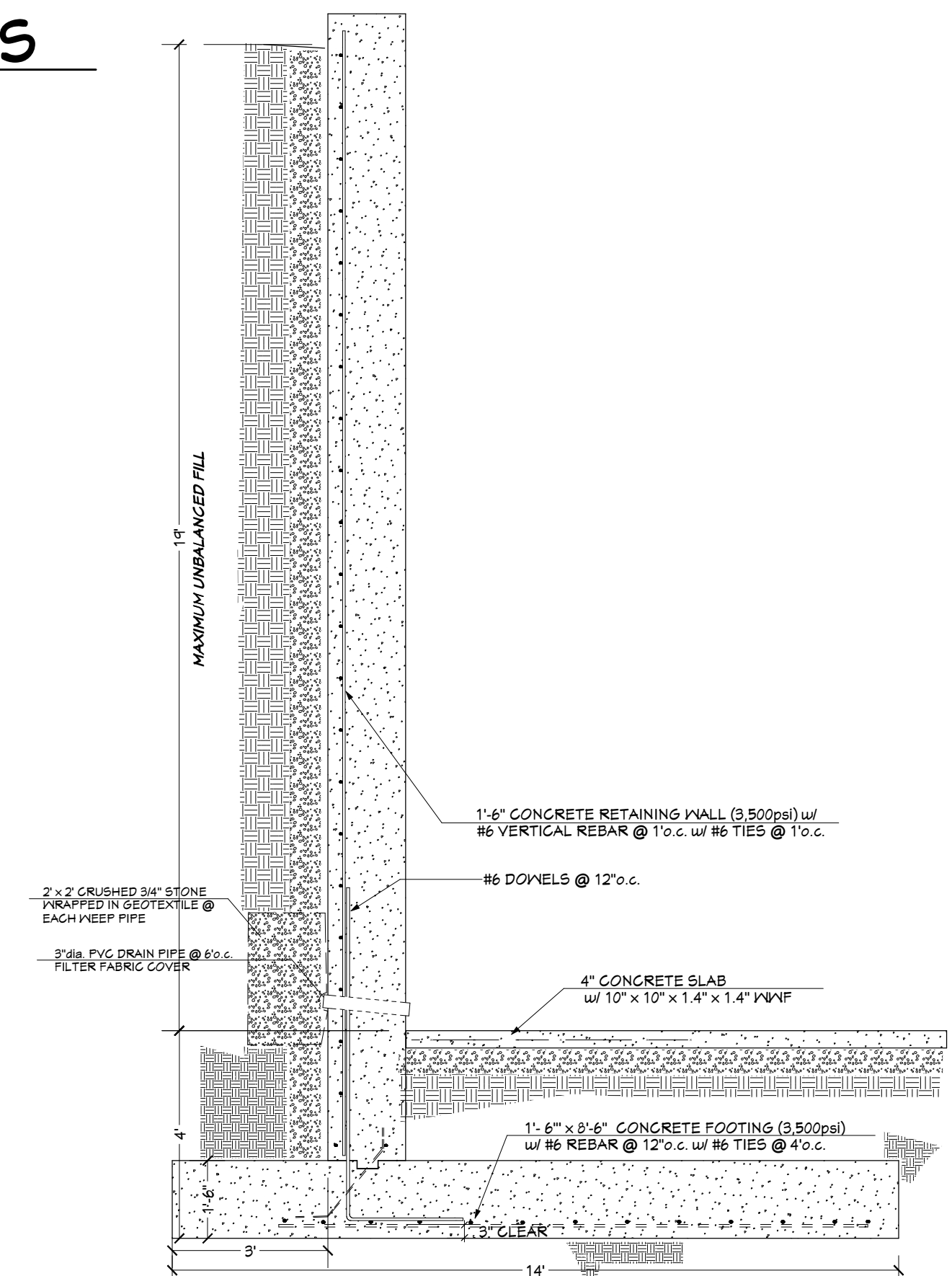
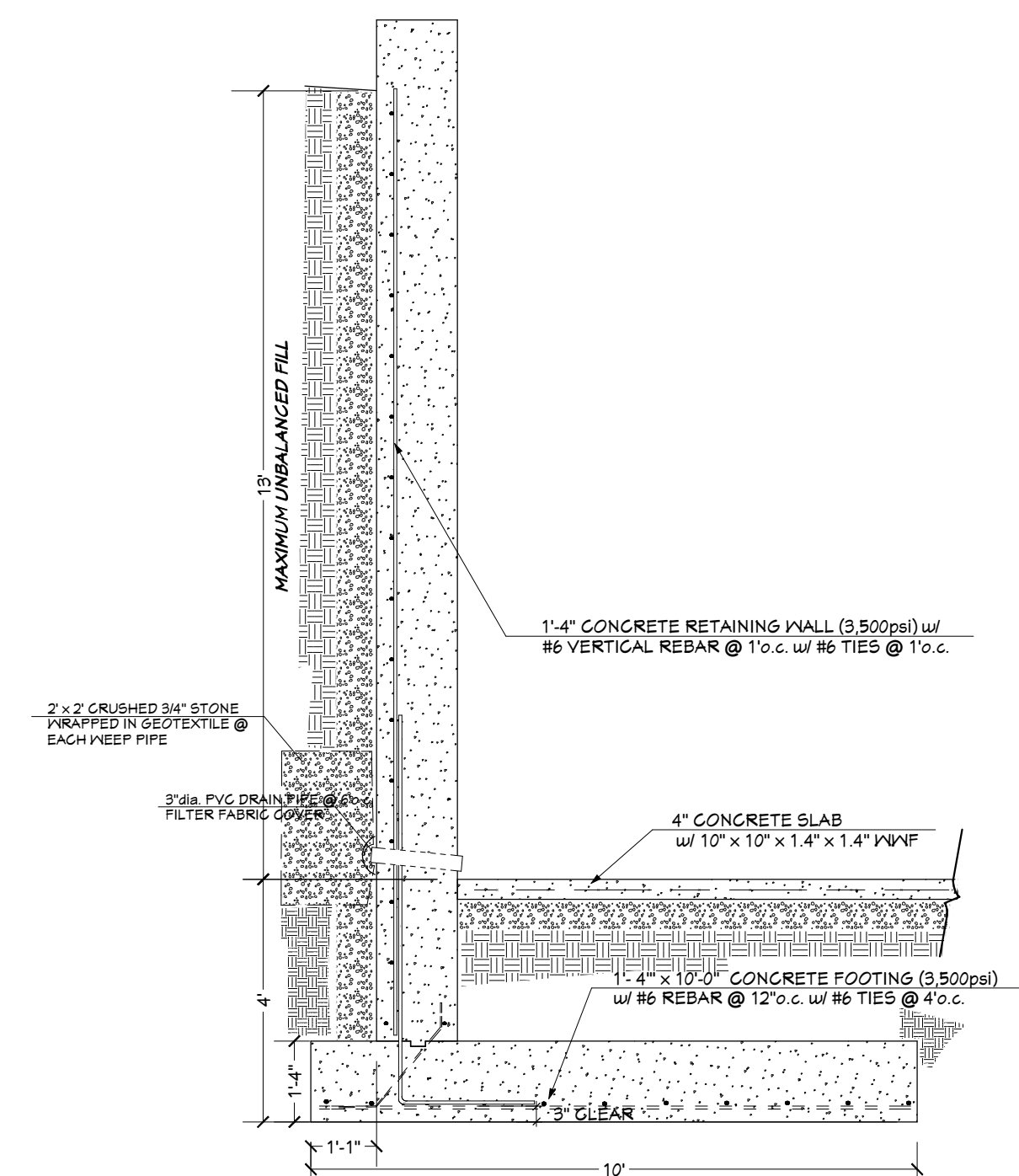
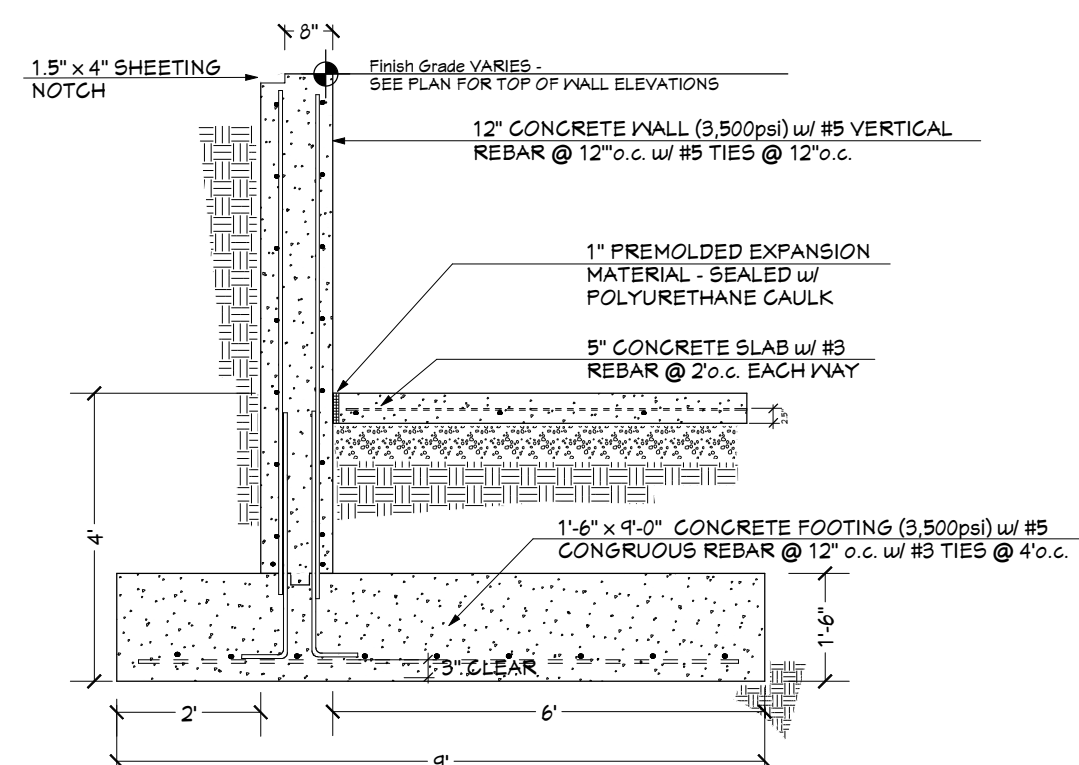


SEE MANUFACTURES ANCHOR BOLT DETAILS FOR PLACEMENT DIMENSIONS WITHIN PIERS AND BOLT PATTERN SPACING

**6 COLUMN - PIER & FOOTING**  
S-2 3/8" = 1' - 0"

**7 FRONT FND WALL SECTION**  
S-2 3/8" = 1' - 0"

**8 THICKENED EDGE @ DOORS**  
S-2 3/8" = 1' - 0"



**10 COLUMN - PIER & FOOTING**  
S-2 3/8" = 1' - 0"

**9 RETAINING WALL**  
S-2 3/8" = 1' - 0" SEE SITE PLAN FOR LOCATIONS

REVISED 11-18-19  
REVISED 11-27-19

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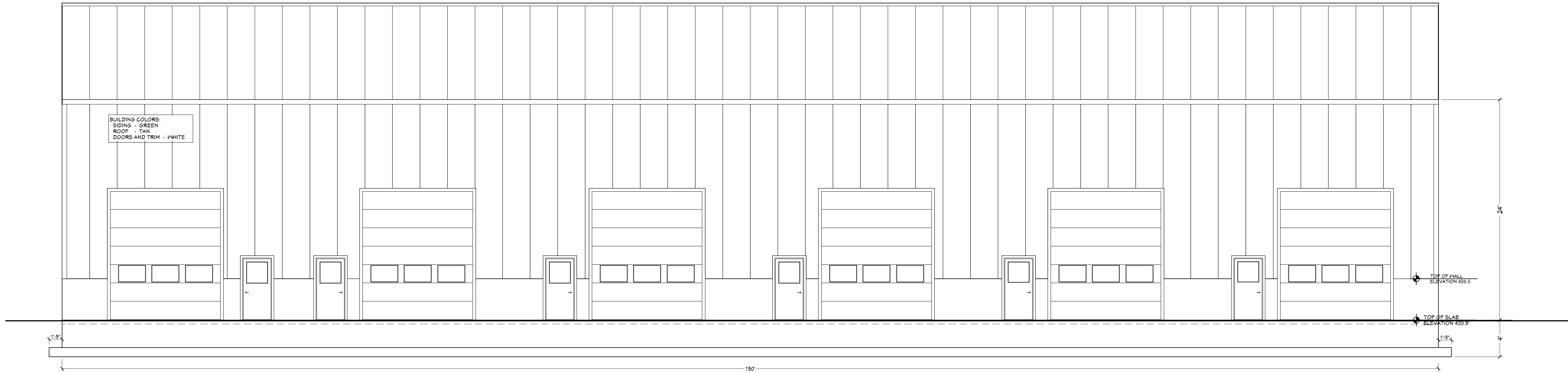
**NEW COMMERCIAL BUILDING**  
98 ENTERPRISE DRIVE  
MONROE, CT

DRAWING NO. **S-2**  
DATE: 8-27-2019  
SCALE: AS NOTED

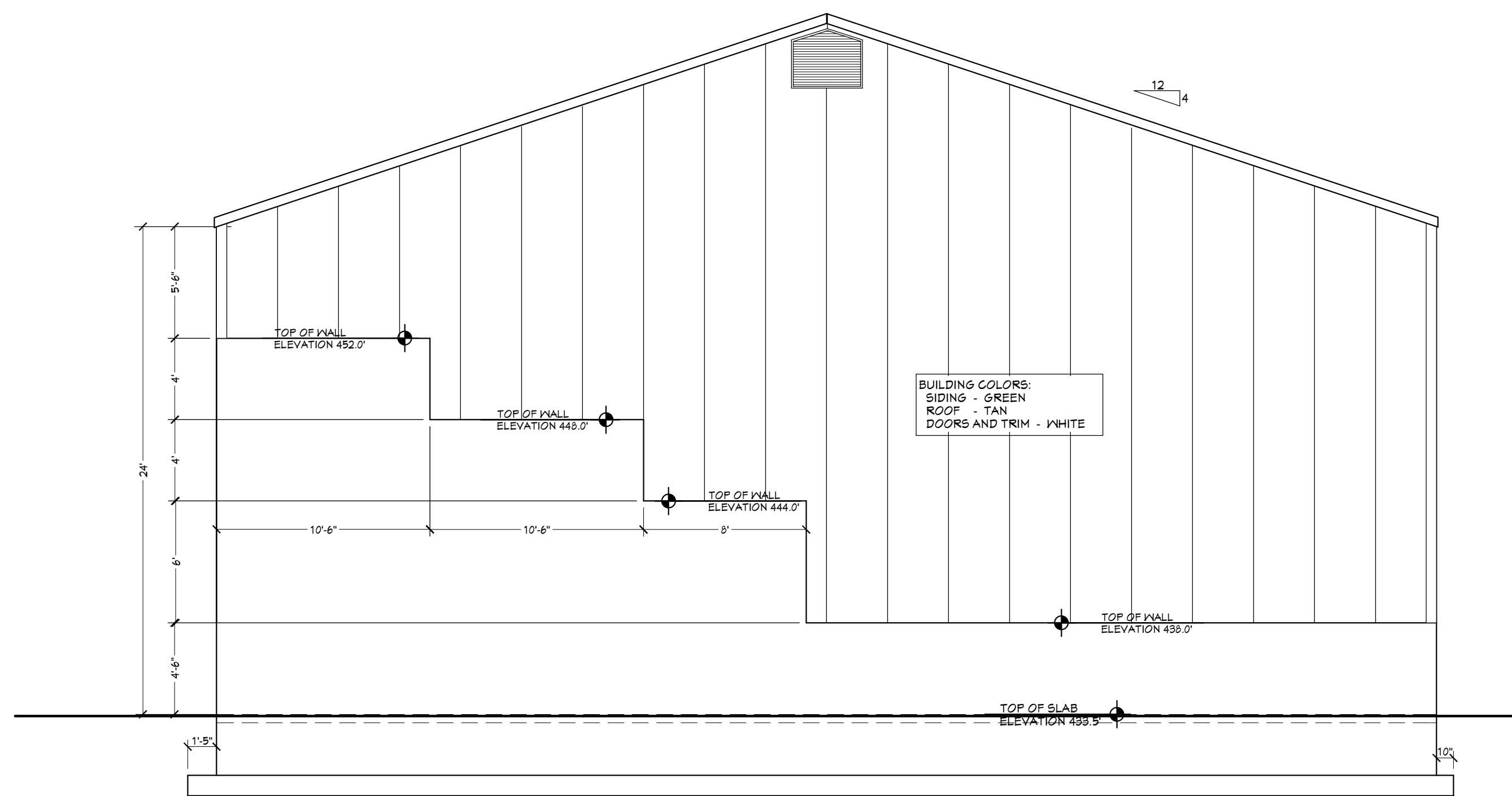
REVISED 11-18-19  
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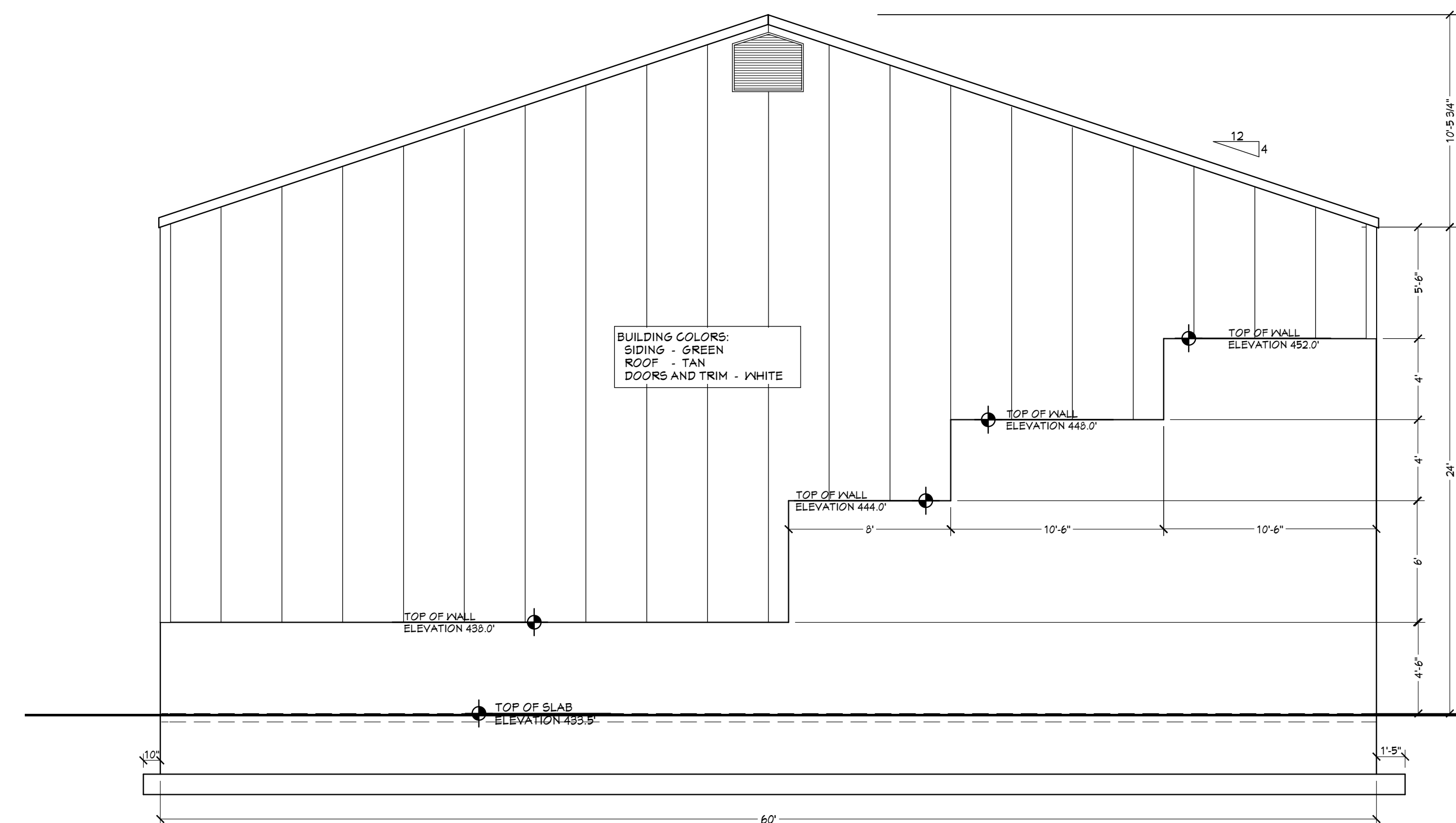
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**1** FRONT ELEVATION  
**S-3** 3/16" = 1' - 0"



**2** LEFT SIDE ELEVATION  
**S-3** 3/16" = 1' - 0"



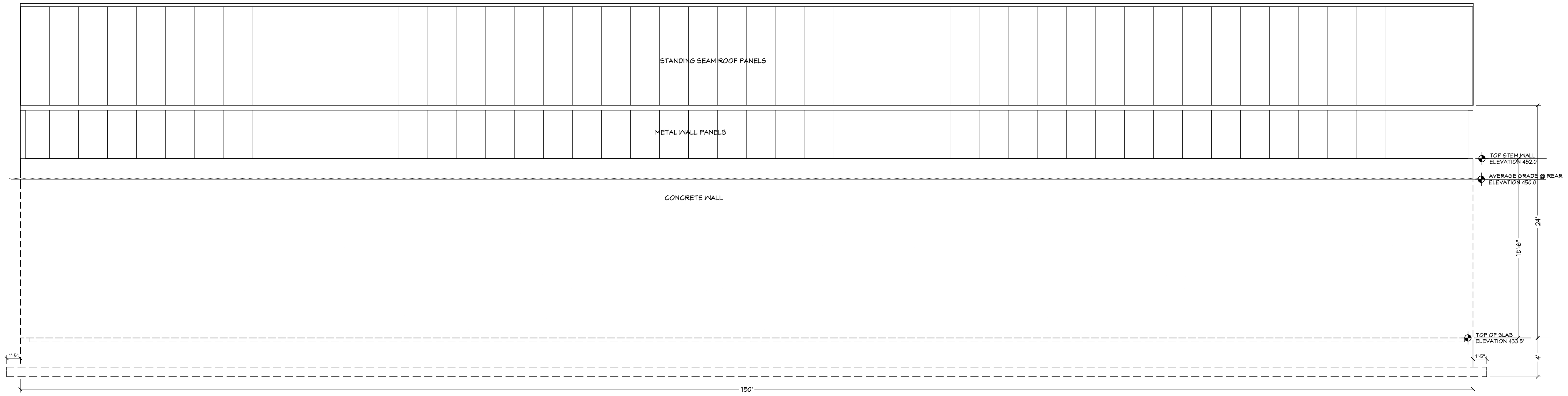
**3** RIGHT SIDE ELEVATION  
**S-3** 3/16" = 1' - 0"

**NEW COMMERCIAL BUILDING**  
**98 ENTERPRISE DRIVE**  
**MONROE, CT**

DRAWING NO.

**S-3**

DATE: 8-27-2019  
SCALE: AS NOTED



1 REAR ELEVATION  
S-4 3/16" = 1' - 0"

REVISIONS:  
REVISED 11-18-19  
REVISED 11-27-19

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**JLG Designs, LLC**  
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Milford, Connecticut 06460  
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CT REGISTERED INTERIOR DESIGNER AND CT LICENSED BUILDING OFFICIAL

**NEW COMMERCIAL BUILDING**  
98 ENTERPRISE DRIVE  
MONROE, CT

DRAWING NO:  
**S-4**  
DATE: 8-27-2019  
SCALE: AS NOTED

REVISIONS:  
 REVISED 11-18-14  
 REVISED 11-27-14

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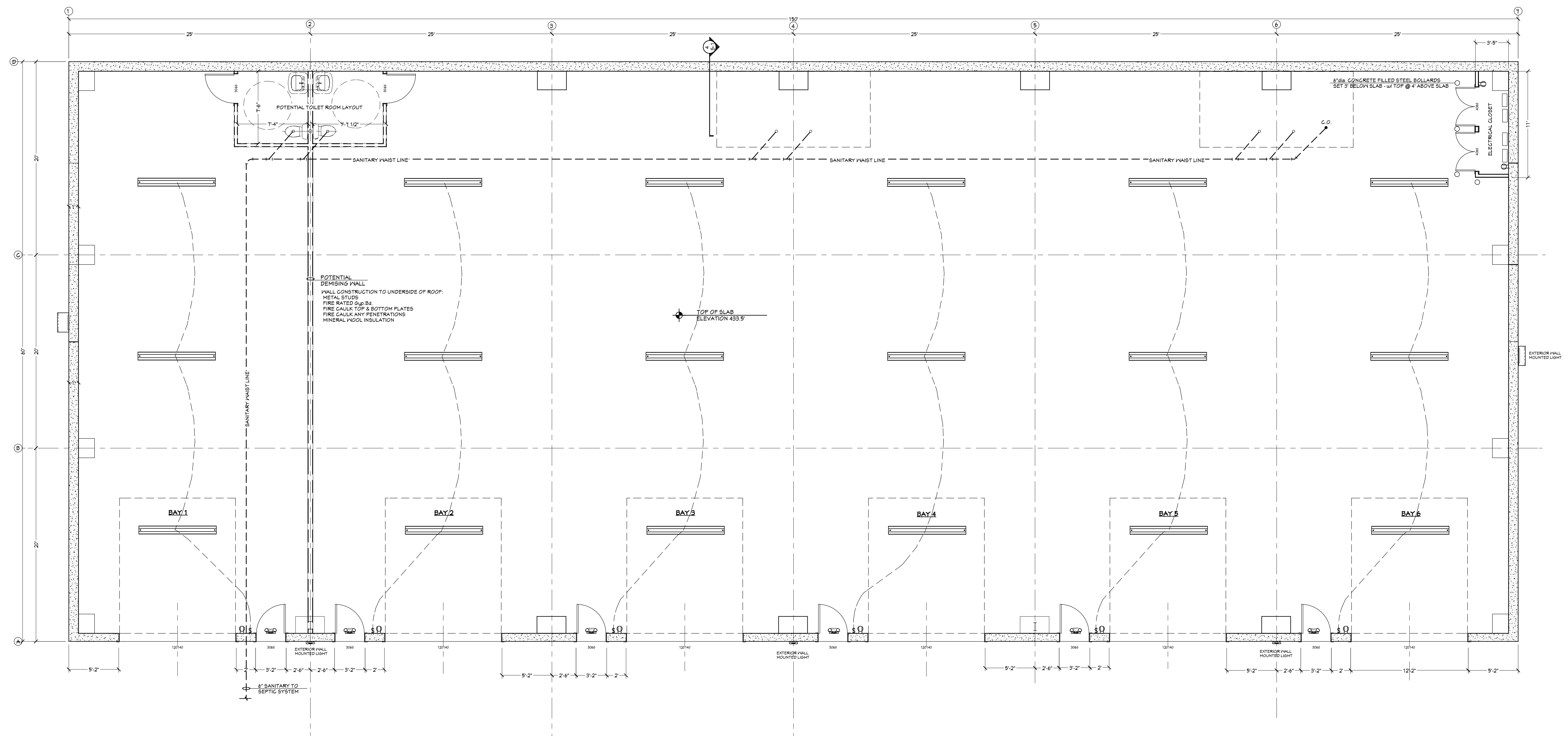
**JLG Designs, LLC**  
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**NEW COMMERCIAL BUILDING**  
 98 ENTERPRISE DRIVE  
 MONROE, CT

DRAWING NO.

**ME-1**

DATE: 8-27-2014  
 SCALE: AS NOTED



**1**  
**ME-1**

**MEP PARTIAL PLAN**  
 3/16" = 1' - 0"



Ultra-high efficiency LED 18 Watt wall pack. patent-pending thermal management system. 100,000 hour L70 lifespan. 5-year, no-compromise warranty.

Color: Bronze

Weight: 6.9 lbs

**Project:**

**Type:**

**Prepared By:**

**Date:**

### Driver Info

Type	Constant Current
120V	0.17A
208V	0.11A
240V	0.09A
277V	0.08A
Input Watts	20.50W
Efficiency	88%

### LED Info

Watts	18.00W
Color Temp	4000K (Neutral)
Color Accuracy	71 CRI
L70 Lifespan	100,000
Lumens	2,657
Efficacy	129.6 LPW

## Technical Specifications

### Listings

#### UL Listing:

Suitable for wet locations. Suitable for mounting within 1.2m (4ft) of the ground.

#### DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. DLC Product Code: PMU0WQ9Z

#### IESNA LM-79 & LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

### LED Characteristics

#### Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

#### LED:

Multi-chip, high-output, long-life LED

#### Color Consistency:

3-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

#### Color Stability:

LED color temperature is warranted to shift no more than 200K in CCT over a 5-year period

#### Color Uniformity:

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

### Construction

#### Maximum Ambient Temperature:

Suitable for use in 40°C (104°F)

#### Cold Weather Starting:

Minimum starting temperature is -40°C (-40°F)

#### Thermal Management:

Superior heat sinking with external Air-Flow fins

#### Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color

#### Reflector:

Semi-specular, vacuum-metalized polycarbonate

#### Gaskets:

High-temperature silicone gaskets

#### Housing:

Die-cast aluminum housing, lens frame and mounting arm

#### Mounting:

Heavy-duty mounting arm with "O" ring seal & stainless steel screws

#### Green Technology:

Mercury and UV free. RoHS-compliant components.

### Other

#### Patents:

The design of WPLED18 is protected by US patent D608,040, Canada patent 138280, and China patent CN301649064S

#### Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at [rablighting.com/warranty](http://rablighting.com/warranty).

## Technical Specifications (continued)

### Other

#### Replacement:

Replaces 150W Metal Halide

#### FTC Country of Origin:

This product was assembled in the USA by RAB using imported components

#### Buy American Act Compliance:

This product complies with the Buy American Act

### Optical

#### BUG Rating:

B1 U0 G0

### Electrical

#### Driver:

Constant Current, Class 2, 100-277V, 50/60 Hz, 4 kV surge protection, 500mA, 100-240VAC: 0.3-0.15A, 277VAC: 0.15A, Power Factor: 99%

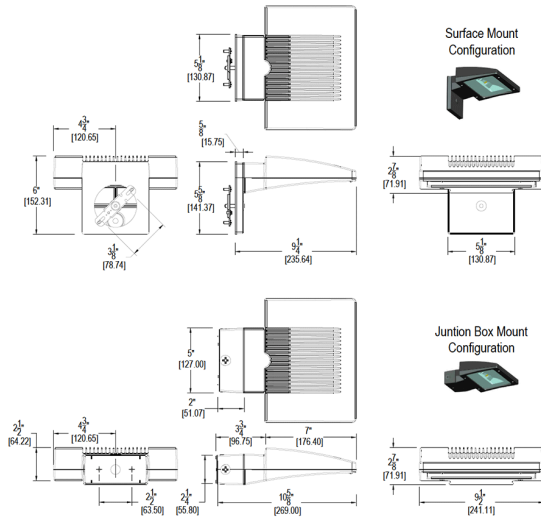
#### THD:

9.77% at 120V, 18.41% at 277V

### Power Factor:

99.2% at 120V, 91.5% at 277V

## Dimensions



## Features

- Ultra-high efficiency LED 18 Watt wall pack
- Replaces 150W Metal Halide Wall packs
- 100,000-Hour LED Lifespan
- 5-Year, No-Compromise Warranty

## Ordering Matrix

Family	Wattage	Color Temp	Finish	Emergency Battery Backup	Options	Other Options
WPLED	18	N				USA
	18 = 18W	Blank = 5000K (Cool) N = 4000K (Neutral) Y = 3000K (Warm)	Blank = Bronze W = White	Blank = No Battery Backup /E = Standard Battery Backup /EC = Battery Backup with Cold Start	Blank = No Option /PC = 120V Button Photocell /PC2 = 277V Button Photocell	USA = BAA Compliant Blank = Standard



Color: Bronze

Weight: 14.0 lbs

Project:

Type:

Prepared By:

Date:

**Driver Info**

**LED Info**

Type	Constant Current	Watts	26.00W
120V	0.26A	Color Temp	4000K (Neutral)
208V	0.16A	Color Accuracy	71 CRI
240V	0.14A	L70 Lifespan	100,000
277V	0.12A	Lumens	3,527
Input Watts	29.10W	Efficacy	121.2 LPW
Efficiency	89%		

**Technical Specifications**

**Electrical**

**Driver:**

Constant Current, Class 2, 50/60 Hz, 120 - 277VAC 0.4 Amps.

**THD:**

6.94% at 120V, 11.17% at 277V

**Power Factor:**

99.6% at 120V, 92.3% at 277V

**Battery Backup:**

Minimum starting temperature is 0°C/32°F

**Battery Mode:**

Light output use LLD of .76 to simulate light output during battery mode operation.

**Listings**

**DLC Listed:**

This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. DLC Product Code: P0000175P

**UL Listing:**

Suitable for Wet Locations as downlight. Wall Mount Only. Battery Backup UL 924 Listed Emergency Lighting Power Supply.

**LED Characteristics**

**Lifespan:**

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

**LED:**

Two (2) 13W high-output, long-life LEDs

**Color Consistency:**

3-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

**Color Stability:**

LED color temperature is warrantied to shift no more than 200K in CCT over a 5-year period

**Color Uniformity:**

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

**Battery Backup**

**Backup Battery:**

Two field-replaceable, high-temperature, maintenance-free, nickel-cadmium batteries

**Construction**

**Ambient Temperature:**

Suitable for use in 35°C (95°F)

**Gaskets:**

High-temperature silicone

**Housing:**

Precision die-cast aluminum housing, lens frame and mounting arm

**Finish:**

Formulated for high durability and long-lasting color

**Green Technology:**

Mercury and UV free. RoHS-compliant components.

**Other**

**Patents:**

The WPLED design is protected by U.S. Patent D634878 and Patents pending in the U.S., Canada, China, Taiwan and Mexico.

## Technical Specifications (continued)

### Other

#### Equivalency:

Equivalent to 175W Metal Halide

### Buy American Act Compliance:

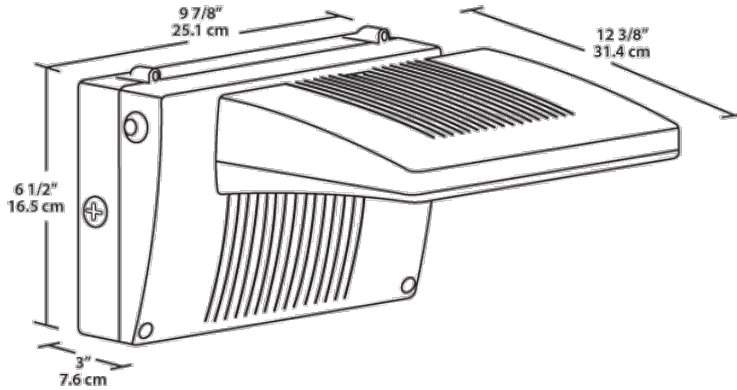
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

### Optical

#### BUG Rating:

B1 U0 G0

## Dimensions



## Features

- Maintains 70% of initial lumens at 100,000-hours
- Weatherproof high temperature silicone gaskets
- Superior heat sinking with die cast aluminum housing and external fins
- 100 up to 277 Volts
- 5-Year, No-Compromise Warranty

## FEATURES & SPECIFICATIONS

**INTENDED USE** — Ideal one-for-one replacement of conventional HID and fluorescent high bay systems. Applications include warehousing, manufacturing, gymnasiums, and other large indoor spaces with mounting heights up to 60'. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** [Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.](#)

**Certain airborne contaminants may adversely affect the functioning of LEDs and other electronic components, depending on various factors such as concentrations of the contaminants, ventilation, and temperature at the end-user location.** [Click here for a list of substances that may not be suitable for interaction with LEDs and other electronic components.](#)

**CONSTRUCTION** — Structural elements such as the channel and end caps are fabricated from steel for maximum rigidity. Wireguard attachment points provided. For high ambient (HA) option, lightweight aluminum heat sink designed to perform in ambient temperatures up to 55 °C for maximum naturally convective cooling.

**OPTICS** — General, narrow, wide and focus distributions available to meet both horizontal and vertical light level requirements. Injection molded refractors for repeatable photometry. Diffuse lens standard to provide glare control and LED protection. Optics are IP5X rated.

**ELECTRICAL** — L88 at 60,000 hours, L70>100,000 hours. Utilizes a 90°C case temperature driver for maximum life at high temperatures. 0.90 power factor. Luminaire Surge Protection Level: Designed to withstand up to 6kV/3kA per ANSI C82.77-5-2015. Luminaire Surge Protection Level: Designed to withstand up to 10kV/5kA per ANSI C82.77-5-2015, optional. Available as 120-277V or 347-480V input. 0-10V dimming standard for a dimming range of 100% to 10%.

**WIRELESS NETWORKING** — nLight® AIR is the ideal solution for retrofit or new construction spaces where adding additional wiring can be labor intensive and nLight AIR is available with or without an integral sensor. Integrated smart sensors or dimming and switching modules must be part of each luminaire in the nLight AIR network, which can be grouped to control multiple luminaires. The granularity of control with the digital PIR occupancy detection and daylight sensing makes this a great solution for any application.

**INSTALLATION** — Suitable for suspension by chain, cable, surface-mounting bracket (THUN accessory), hook monopoint or single (pendant) monopoint. Surface mounting not recommended without optional surface mounting bracket. To maintain ambient listing, fixture should be mounted at a minimum plenum height of 18".

**LISTINGS** — CSA certified to US and Canadian safety standards. Damp location listed. Suitable for ambient temperatures from -40°F (-40°C) to 113°F (45°C) when suspended 18" from ceiling. High ambient option available (HA), suitable for ambient temperatures -40°F (-40°C) to 131°F (55°C) when suspended 18" from ceiling. The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Acuity Brands is under license. Other trademarks and trade names are those of their respective owners.

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

**Stock configurations are offered for shorter lead times:**

Standard Part Number	Stock Part Number	DLC QPL Product ID	DLC Premium?
IBG 12000LM SEF AFL GND MVOLT GZ10 40K 80CRI DWH	IBG 12L MVOLT	PAMMN2VX	✓
IBG 15000LM SEF AFL GND MVOLT GZ10 40K 80CRI DWH	IBG 15L MVOLT	P3G6HADN	✓
IBG 18000LM SEF AFL GND MVOLT GZ10 40K 80CRI DWH	IBG 18L MVOLT	P851GVEP	✓
IBG 24000LM SEF AFL GND MVOLT GZ10 40K 80CRI DWH	IBG 24L MVOLT	PZBJQY5S	✓
IBG 12000LM SEF AFL GND HVOLT GZ10 40K 80CRI DWH	IBG 12L HVOLT	PQ5BU878	✓
IBG 15000LM SEF AFL GND HVOLT GZ10 40K 80CRI DWH	IBG 15L HVOLT	PSWUJYP8	✓
IBG 18000LM SEF AFL GND HVOLT GZ10 40K 80CRI DWH	IBG 18L HVOLT	PRVPP59D	✓
IBG 24000LM SEF AFL GND HVOLT GZ10 40K 80CRI DWH	IBG 24L HVOLT	P2UE1Z54	✓
IBG 12000LM SEF AFL GND MVOLT GZ10 50K 80CRI DWH	IBG 12L MVOLT 5K	P7TZ4ZV	✓
IBG 15000LM SEF AFL GND MVOLT GZ10 50K 80CRI DWH	IBG 15L MVOLT 5K	PMXBGZJS	✓
IBG 18000LM SEF AFL GND MVOLT GZ10 50K 80CRI DWH	IBG 18L MVOLT 5K	P85EZU7	✓
IBG 24000LM SEF AFL GND MVOLT GZ10 50K 80CRI DWH	IBG 24L MVOLT 5K	PQ5CSK48	✓
IBG 12000LM SEF AFL GND HVOLT GZ10 50K 80CRI DWH	IBG 12L HVOLT 5K	PFRXRQKT	✓
IBG 15000LM SEF AFL GND HVOLT GZ10 50K 80CRI DWH	IBG 15L HVOLT 5K	PV4M2BP5	✓
IBG 18000LM SEF AFL GND HVOLT GZ10 50K 80CRI DWH	IBG 18L HVOLT 5K	PA36YXUT	✓
IBG 24000LM SEF AFL GND HVOLT GZ10 50K 80CRI DWH	IBG 24L HVOLT 5K	P5H22E5M	✓

Catalog Number
Notes
Type

LED High Bay

# IBG



**WARRANTY** — 5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/resources/terms-and-conditions](http://www.acuitybrands.com/resources/terms-and-conditions)

**Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

### A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® or XPoint™ Wireless control networks marked by a shaded background\*

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

\*See ordering tree for details

# IBG LED High Bay



A+ Capable options indicated by this color background.

## ORDERING INFORMATION

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

**Example:** IBG 24000LM SEF AFL GND MVOLT GZ10 40K 80CRI DWH

Series	Nominal lumens		Performance package		Lens	Distribution	Voltage	Driver	Color temperature	
IBG	8000LM	8,000 lumens <sup>2</sup>	30000LM	30,000 lumens	SEF Standard efficiency	AFL Acrylic, frosted	WD Wide	MVOLT 120-277V	GZ10 0-10V dimming <sup>7</sup>	30K 3000 K
IBGN <sup>1</sup>	12000LM	12,000 lumens	36000LM	36,000 lumens	HEF Premium efficiency	ACL Clear acrylic	GND General	HVOLT 347-480V <sup>3</sup>	AZ10 0-10V dimming, aux. output <sup>8</sup>	35K 3500 K
	15000LM	15,000 lumens	48000LM	48,000 lumens		PCL Clear polycarbonate	ND Narrow	120 120V		40K 4000 K
	18000LM	18,000 lumens	60000LM	60,000 lumens		PFL Semi-diffuse polycarbonate	FD Focus	208 208V		50K 5000 K
	24000LM	24,000 lumens				L/LENS Less lens		240 240V		
								277 277V		
								347 347V <sup>4,5</sup>		
								480 480V <sup>4,5,6</sup>		

Coloring rendering index	Options	Finish
70CRI 70 CRI	HA High ambient <sup>9</sup>	DNA Natural aluminum
80CRI 80 CRI	SPD Surge protection device <sup>10</sup>	DWH Gloss white
90CRI 90 CRI	BPK Fixture backpack <sup>11</sup>	
	PS1050 Emergency battery pack 10W, CA Title 20 Noncompliant <sup>12</sup>	
	PS10250 Emergency battery pack 10W, Title 20 Noncompliant <sup>13</sup>	
	PS10250BC Emergency battery pack 10W, Certified in CA Title 20 MAEDBS <sup>13</sup>	
	PS30250 Emergency battery pack, 30W, Title 20 Noncompliant <sup>14</sup>	
	BGTD Generator transfer device <sup>15</sup>	
	SF Single fuse <sup>16</sup>	
	DF Double fuse <sup>17</sup>	
	OUTCTR Wiring leads pulled through back center of fixture <sup>18</sup>	
	OCS RELOC <sup>®</sup> OnePass <sup>®</sup> selectable cable 6' installed <sup>20,21</sup>	
	OCU RELOC <sup>®</sup> OnePass <sup>®</sup> unselectable cable 6' installed (must specify tap position) <sup>19,21</sup>	
	IMP Integrated modular plug <sup>22</sup>	
	RRL RELOC <sup>®</sup> -Ready luminaire. (Not available with Haleon sensor options) See page 11 for ordering information	
	WGX Standard wire guard, installed (not available with Haleon sensor)	
	<b>Cord sets:</b>	
	CS1W Straight plug, 120V <sup>19</sup>	
	CS3W Twist-lock, 120V <sup>19</sup>	
	CS7W Straight plug, 277V <sup>19</sup>	
	CS11W Twist-lock, 277V <sup>19</sup>	
	CS25W Twist-lock, 347V <sup>19</sup>	
	CS97W Twist-lock, 480V <sup>19</sup>	
	CS93W 600 SO white cord, no plug (no voltage required)	
	CS93W4C 600V SO 4 - conductor white cord, no plug (for use when unswitched hot is required for battery pack)	
	CS93W5CD 600 SO 5-conductor white cord, no plug (no voltage required)	
	<b>Individual Controls:</b> <sup>23</sup>	
	HLN360 Haleon 360° High Mount Occ Sensor, pre-wired; Bluetooth <sup>®</sup> 24	
	HLN360HL Haleon 360° High Mount Occ Sensor w/HL Default, pre-wired; Bluetooth <sup>®</sup> 24	
	HLN360ADC Haleon 360° High Mount Occ Sensor w/ADC Default, pre-wired; Bluetooth <sup>®</sup> 24	
	HLN360ANL Haleon 360° High Mount Occ Sensor w/ANL Default, pre-wired; Bluetooth <sup>®</sup> 24	
	HLNASL Haleon High Mount Aisleway Occ Sensor, pre-wired; Bluetooth <sup>®</sup> 24	
	HLNASLHL Haleon High Mount Aisleway Occ Sensor w/HL Default, pre-wired; Bluetooth <sup>®</sup> 24	
	HLNASLADC Haleon High Mount Aisleway Occ Sensor w/ADC Default, pre-wired; Bluetooth <sup>®</sup> 24	
	HLNASLANL Haleon High Mount Aisleway Occ Sensor w/ANL Default, pre-wired; Bluetooth <sup>®</sup> 24	
	LAOZU 360° high mount motion sensor, pre-wired <sup>25</sup>	
	LAH0SZU 360° high mount motion sensor with dimming, pre-wired <sup>25</sup>	
	LAPZU 360° high mount motion sensor with photocell, pre-wired <sup>25</sup>	
	LAM0SZU 360° high mount motion sensor, dimming & switching photocell, pre-wired <sup>25</sup>	
	C6D0SUEM 360° high mount motion sensor, dimming only (photocell disabled), pre-wired; UL924 listed (not available with battery pack or BGTD) <sup>26,27</sup>	
	C10D0SUEM 360° low mount motion sensor, dimming only (photocell disabled), pre-wired; UL924 listed (not available with battery pack or BGTD) <sup>26,28</sup>	
	<b>nLight wired:</b> <sup>29</sup>	
	nPP16D nLight <sup>®</sup> dimming & switching module	
	nPP16DER nLight <sup>®</sup> dimming & switching module with emergency relay (not available with battery pack or BGTD)	
	nMSI nLight <sup>®</sup> high mount aisleway motion sensor, pre-wired <sup>30</sup>	
	nMSI360 nLight <sup>®</sup> 360° high mount motion sensor, pre-wired <sup>31</sup>	
	nMSID nLight <sup>®</sup> high mount aisleway motion sensor with dimming, pre-wired <sup>32</sup>	
	nMSI360D nLight <sup>®</sup> 360° high mount motion sensor with dimming, pre-wired <sup>33</sup>	
	<b>nLight wireless:</b>	
	NLTAIR2 RKOA nLight AIR Generation 2 enabled 360° high mount motion sensor	
	NLTAIR2 RKOB nLight AIR Generation 2 enabled 360° low mount motion sensor	
	NLTAIR2 rPP20D nLight AIR Generation 2 dimming and switching module <sup>34</sup>	
	NLTAIR2 rPP20DER nLight AIR Generation 2 dimming and switching module with emergency relay (not available with battery pack or BGTD) <sup>34</sup>	
	<b>X-Point wireless:</b>	
	MSI6XADL DSCXADL XPoint™ Wireless 360° high mount motion sensor with photocell	
	XPW XPoint™ Wireless 0-10V relay, external (utilizes XPA CMRBO) 55°C max ambient	
	XAD XPoint™ Wireless 0-10V relay, internal, lower max ambient (not available with Haleon sensor) <sup>33</sup>	
	XPWEM XPoint™ Wireless 0-10V relay, external (utilizes XPACMRBOEM) 55°C max ambient, meets UL924 (not available with battery pack or BGTD)	
	XAD924 XPoint™ Wireless 0-10V relay, internal, lower max ambient, meets UL924 (not available with battery pack or BGTD) <sup>35</sup>	

See Accessories and footnotes on next page

Accessories: Order as separate catalog number.			
<b>Mounting:</b>		<b>Cord sets and sensors for IMP option:</b>	
IBAC120 M100	Aircraft cable 10' with hook (one pair)	CS1WIMP	Straight plug, 120V
IBAC240 M75	Aircraft cable 20' with hook (one pair)	CS3WIMP	Twist-lock, 120V
IBHMP	Hook monopoint	CS7WIMP	Straight plug, 277V
HBBS36	Chain hanger with chain, 36" (one pair)	CS11WIMP	Twist-lock, 277V
IBGACVH	Aircraft 10' V hanger (one pair)	CS25WIMP	Twist-lock 347V
IBGPMPHB	Pendant monopoint splice box, includes side covers (3/4" hub) for use with OUTCTR option, not available with BPK option	CS93WIMP	600V 50 white cord, no plug (no voltage required)
THUN	Tong hanger bracket (order 2 per fixture) <sup>36</sup>	CS97WIMP	Twist-lock 480V
		MSIIMP1BG	Aisle sensor for use with IMP option
		MSI360IMP1BG	360° sensor for use with IMP option
			<b>Wire guards (not available with Haleon sensor):</b>
		WGIBG22	Wire guard for IBG 8000LM; gloss white
		WGIBG24	Wire guard for IBG 12000/15000LM; gloss white
		WGIBG26	Wire guard for IBG 18000/24000/30000LM; gloss white
		WGIBG42	Wire guard for all IBGN lumen packages; gloss white
		WGIBG46	Wire guard for IBG 36000/48000/60000LM; gloss white
		WGIBG22DNA	Wire guard for IBG 8000LM; natural aluminum
		WGIBG24DNA	Wire guard for IBG 12000/15000LM; natural aluminum
		WGIBG26DNA	Wire guard for IBG 18000/24000/30000LM; natural aluminum
		WGIBG42DNA	Wire guard for all IBGN lumen packages; natural aluminum
		WGIBG46DNA	Wire guard for IBG 36000/48000/60000LM; natural aluminum

- Available with 18000LM, 24000LM, 30000LM and 36000LM only.
- 8,000LM not available with HVOLT, 347, 480, or Haleon sensor controls.
- Not available with 8000LM. Not available with BTGD, nPP16D, nPP16DER, PS1050, PS10250, PS30250, NLTAIR2 RPP20D, NLTAIR2 RPP20DER or XAD options.
- When ordered with 8000LM or Xpoint controls voltage selected utilizes the fixture back pack.
- Not available with NLTAIR2 RPP20D and NLTAIR2 RPP20DER options.
- Not available with nPP16D or nPP16DER.
- Not available with Haleon sensor control options.
- Required with Haleon sensor control options.
- 55 C when suspended, 45 C when surface mounted. Not available with BGTD, PS1050, PS10250, PS30250 or XAD.
- Standard with HVOLT, 347, or 480V - only specify for MVOLT, 120, 208, 240, or 277V when additional surge protection is needed. Standard with Motion sensors/ controls, BGTD & Power Sentry battery options.
- Required with PS1050, PS10250, PS30250, BGTD. Required with 8000LM when ordered with 347/480V. Required with Xpoint controls when ordered with 347/480V. Not available with nLight. Not for use with THUN mount (surface).
- Requires BPK option. Available 120-277V only. Available with 8000LM only. Not available with IMP. See spec sheet PS1050 for more information. For use in ambient temperatures 32° F to 113° F.
- Requires BPK option. Available 120-277V only. Not available with 8000LM. Not available with IMP. Only available for factory installation. See spec sheet PS10250 for more information. For use in ambient temperatures 50° F to 113° F.
- Requires BPK option. 120 or 277V only. Not available with 8000LM. Not available with IMP. See spec sheet PS30250 for more information. For use in ambient temperatures 32° F to 112° F.
- Requires BPK option. 120 or 277V only. Not available with PS1050, PS10250, PS30250 or HA. Not available with 347 or 480V when ordered in combination with XAD or XPW. For ambient temperatures up to 104° F (40° C).
- Available on 120, 277, 347V. Not available with MVOLT or HVOLT.
- Available on 208, 240, 480V and Haleon sensors. Not available with MVOLT or HVOLT.
- Not available with BPK option. Requires IBGPMPHB accessory to mount fixture. Not available with Cord Set options.
- Must specify voltage.
- Cannot be used in dimming applications, must use RRLC12S.
- Fixture will bear dry location label.
- Not available with BPK, nPP16D, nPP16DER, nMSI, nMSI360, PS1050, PS10250, or PS30250.
- Must specify voltage. Refer to page 7 for Haleon sensor default settings matrix. Refer to page 9 for additional LSXR ordering options. Refer to page 10 for additional C6D0SUEM and C10D0SUEM information.
- RRL option not available. Not available with OUTCTR.
- This sensor configuration is suitable for minimum ambient temperature of 14°F (-10°C). See page 9 for low temperature option providing -4°F (-20°C) minimum ambient temperature.
- Daylight harvesting functionality not enabled by default. See page 10 for default sequence of operation.
- Utilizes XPA CMRB6.
- Utilizes XPA CMRB10.
- Not available with 208, 240, or 480V. Not available with HA option.
- nMSI options utilizes a nPP16 and nCMB 50 sensor, CAT5e connector cable also included.
- nMSI360 options utilizes a nPP16 and nCMB 6 sensor, CAT5e connector cable also included.
- nMSID options utilizes a nPP16D and nCMB 50 sensor CAT5e connector cable also included.
- nMSI360D options utilizes a nPP16D and nCMB 6 sensor, CAT5e connector cable also included.
- NLTAIR2 RPP20D and NLTAIR2 RPP20DER not available with BPK, battery pack options, BGTD, 347, or 480V. Not available with HA.
- Not available with HVOLT. When ordered with 347V or 480V, BPK option is required. Not available with HA option.
- Maximum ambient temperature of standard fixture mounted with THUN is 95°F (35°C). With HA option 113°F (45°C). Not available with MSIIMP1BG or MSI360IMP1BG options.

## POWER SENTRY EMERGENCY BATTERY PACKS

<b>PS1050:</b>	<a href="http://www.acuitybrands.com/products/detail/369448/Power-Sentry/PS1050/Reduced-Profile-LED-Emergency-Battery-Pack/-/media/products/Power_Sentry/369448/document/PS1050_pdf.pdf">http://www.acuitybrands.com/products/detail/369448/Power-Sentry/PS1050/Reduced-Profile-LED-Emergency-Battery-Pack/-/media/products/Power_Sentry/369448/document/PS1050_pdf.pdf</a>
<b>PS10250:</b>	<a href="http://www.acuitybrands.com/products/detail/604737/Power-Sentry/PS10250/Emergency-LED-Battery-Backup/-/media/products/Power_Sentry/604737/document/PS10250_pdf.pdf">http://www.acuitybrands.com/products/detail/604737/Power-Sentry/PS10250/Emergency-LED-Battery-Backup/-/media/products/Power_Sentry/604737/document/PS10250_pdf.pdf</a>
<b>PS30250:</b>	<a href="http://www.acuitybrands.com/products/detail/604739/Power-Sentry/PS30250/Emergency-LED-Battery-Backup/-/media/products/Power_Sentry/604739/document/PS30250_pdf.pdf">http://www.acuitybrands.com/products/detail/604739/Power-Sentry/PS30250/Emergency-LED-Battery-Backup/-/media/products/Power_Sentry/604739/document/PS30250_pdf.pdf</a>

## EMERGENCY LUMENS AFL GND (500K 70CRI)

Delivered lumens calculation provided on battery spec sheet does not represent emergency lumen output on IBG product. Forward voltage does not match constant current design in all cases. See chart below for IBG lumen output in emergency mode.

Fixture	IBG			IBGN
	8000LM (PS1050 only)	12000LM - 15000LM	18000LM - 60000LM	
<b>PS1050/PS10250</b>	1600	1300	1900	1200
<b>PS30250</b>	N/A	4000	2400	3800

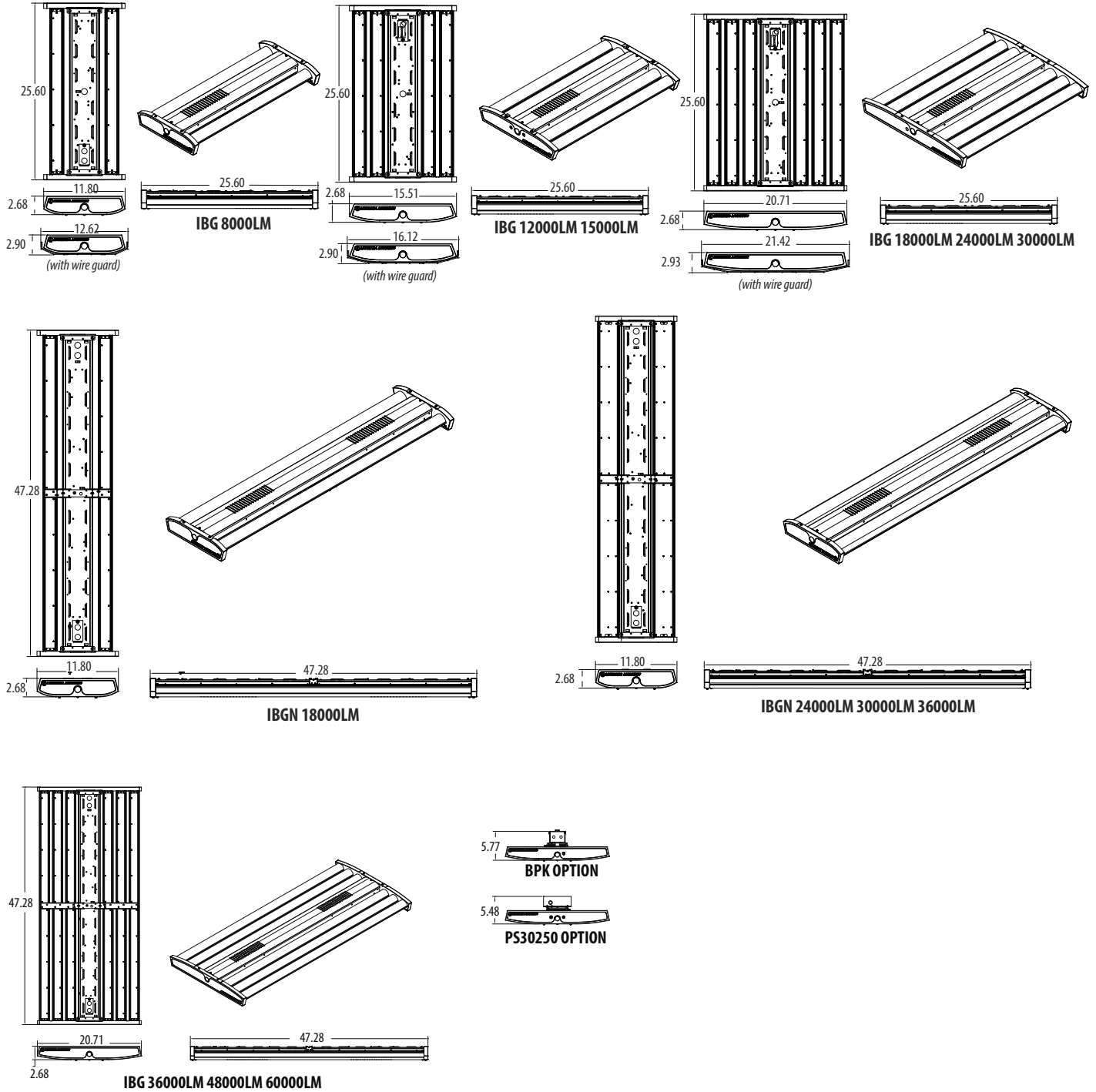
**Note:** For emergency lumen output of specific model, please consult factory.

# IBG LED High Bay

## DIMENSIONS

All dimensions are in inches (centimeters) unless otherwise indicated.  
Dimensions may vary with options or accessories.

Weight: (may vary with options or accessories)  
 8L: 7.75 lbs (3.515Kg)  
 12L/15L: 10.5 lbs (4.762Kg)  
 18L/24L/30L: 15.9 lbs (7.212Kg)  
 18L/24L/30L/36L: 4' Narrow - 16.25 lbs (7.370Kg)  
 36L/48L/60L: 4' - 6' Mod - 21.75 lbs (9.865Kg)



## IBG OPERATIONAL DATA

	Lumen package	Efficiency level	Lens/distribution			
			Acrylic frosted/ general	Clear acrylic/narrow	Clear acrylic/wide	Clear acrylic/focus
<b>Delivered lumens 4000K, 80CRI</b>	8000LM	SEF	7594	7145	7384	7364
		HEF	7842	7378	7625	7604
	12000LM	SEF	11580	10895	11260	11228
		HEF	11746	11051	11421	11390
	15000LM	SEF	14458	13603	14059	14019
		HEF	14824	13947	14415	14374
	18000LM	SEF	17329	16303	16850	16803
		HEF	17752	16702	17262	17214
	24000LM	SEF	23000	21639	22365	22303
		HEF	23612	22215	22960	22896
	30000LM	SEF	27344	25727	26589	26515
		HEF	29577	27827	28760	28680
	36000LM	SEF	33203	31239	34547	32197
		HEF	35528	33426	34547	34450
	48000LM	SEF	45973	43253	44704	44579
		HEF	47254	44458	45949	45821
	60000LM	SEF	55453	52172	53922	53771
		HEF	57027	53653	55452	55298
<b>Delivered lumens 5000K, 80CRI</b>	8000LM	SEF	7873	7408	7656	7635
		HEF	8082	7604	7859	7837
	12000LM	SEF	12006	11296	11674	11642
		HEF	12106	11390	11771	11739
	15000LM	SEF	14990	14103	14576	14536
		HEF	15278	14374	14856	14815
	18000LM	SEF	17966	16904	17470	17422
		HEF	18296	17214	17791	17741
	24000LM	SEF	23847	22436	23188	23123
		HEF	24366	22896	23664	23598
	30000LM	SEF	28351	26674	27568	27491
		HEF	30483	28680	29641	29559
	36000LM	SEF	34221	32196	35605	33183
		HEF	36616	34450	35605	35506
	48000LM	SEF	47665	44845	46349	46220
		HEF	48702	45820	47357	47225
	60000LM	SEF	57494	54093	55906	55751
		HEF	58774	55297	57151	56992

## PHOTOMETRICS

See [www.lithonia.com](http://www.lithonia.com).

## IBG CHARACTERISTICS

Lumen package	Wattage								Length	Width	Depth	Comparable Light Source
	Standard efficiency				High efficiency							
	120V	277V	347V	480V	120V	277V	347V	480V	Dimensions are shown in inches (centimeters) unless otherwise noted.			
8000LM	55	54	58	61	50	49	51	54	25.6	11.75	2.75	100W MH, 4-lamp T8 NBF
12000LM	79	77	77	76	70	69	68	67	25.6	15.52	2.75	175W MH, 4-lamp T8 HBF, 2-lamp T5HO
15000LM	97	95	97	96	87	86	86	86	25.6	15.52	2.75	200W MH, 6-lamp T8 NBF
18000LM	114	112	114	115	102	100	102	103	25.6	20.65	2.75	250W MH, 6-lamp T8 HBF, 4-lamp T5HO
24000LM	154	150	150	150	136	133	135	135	25.6	20.65	2.75	400W MH, 6-lamp T5HO
30000LM	193	186	188	188	176	171	173	173	25.6	20.65	2.75	575W MH, 10-lamp T8 HBF
36000LM	225	221	227	229	200	197	203	206	47.29	20.65	2.75	750W MH, 8-lamp T5HO
48000LM	301	293	301	302	267	261	269	270	47.29	20.65	2.75	875W MH, 10-lamp T5HO
60000LM	385	374	378	377	332	323	330	330	47.29	20.65	2.75	1000W MH

## IBGN OPERATIONAL DATA

	Lumen package	Efficiency level	Lens/distribution			
			Acrylic frosted/ general	Clear acrylic/narrow	Clear acrylic/wide	Clear acrylic/focus
Delivered lumens 4000K, 80CRI	18000LM	SEF	17036	16028	16566	16520
		HEF	17776	16724	17285	17237
	24000LM	SEF	22727	21383	22100	22038
		HEF	24123	22696	23457	23392
	30000LM	SEF	28642	26948	27851	27773
		HEF	29493	27748	28679	28599
36000LM	SEF	34336	32305	33388	33295	
	HEF	34912	32846	33948	33853	
Delivered lumens 5000K, 80CRI	18000LM	SEF	17663	16618	17175	17128
		HEF	18320	17237	17814	17765
	24000LM	SEF	23564	22170	22913	22849
		HEF	24862	23391	24176	24108
	30000LM	SEF	29696	27940	28876	28796
		HEF	30397	28599	29558	29475
	36000LM	SEF	35600	33494	34617	34520
		HEF	35982	33853	34988	34890

## IBGN CHARACTERISTICS

Lumen package	Wattage								Length	Width	Depth
	Standard efficiency				High efficiency						
	120V	277V	347V	480V	120V	277V	347V	480V	Dimensions are shown in inches (centimeters) unless otherwise noted.		
18000LM	117	114	115	114	104	102	101	101	47.29	11.75	2.75
24000LM	172	170	167	167	152	150	153	153	47.29	11.75	2.75
30000LM	209	205	208	207	183	180	179	178	47.29	11.75	2.75
36000LM	246	240	242	243	207	203	202	201	47.29	11.75	2.75

## PROJECTED LUMEN MAINTENANCE

IBG 2ft & 4ft						
Operating hours	0	15,000	30,000	45,000	60,000	100,000
Lumen maintenance factor	1	0.97	0.95	0.93	0.91	0.86
IBGN						
Operating hours	0	15,000	30,000	45,000	60,000	100,000
Lumen maintenance factor	1	0.97	0.93	0.90	0.87	0.81

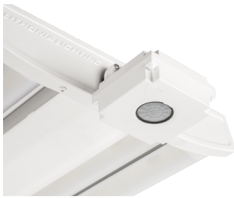
## LUMENS VS. AMBIENT TEMPERATURE

Ambient °C	Ambient °F	Lumen Multiplier
0	32	1.04
5	41	1.03
10	50	1.02
20	68	1.01
25	77	1.00
30	86	0.99
35	95	0.99
40	104	0.98
45	113	0.97
50	122	0.96
55	131	0.96

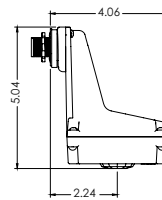
## AMBIENT TEMPERATURE RATINGS

Mounting	Suspended	Surface
Standard temperature rating	113°F (45°C)	95°F (35°C)
HA option temperature rating	131°F (55°C)	113°F (45°C)

## nLIGHT® AIR Dimming and Photo Sensor



See [rSBOR](#) spec sheet for additional information.



Drawing for dimensional information only. Fixture will ship with snap mount option and not threaded nipple.

## HALEON - Integrated Occupancy Sensor with Bluetooth® Programmability

- Programmable sensor settings over Bluetooth® with Acuity VLP smartphone app.
- Default programming options to service various application spaces - occupancy detection, 0-10V dimming and daylight harvesting.
- 360° High Mount and High Mount Aisleway lens detection options for mounting heights up to 40 ft.
- Integrated retractable lens mask included to block unwanted detection.
- Sensor ambient temperature rating of -40°F (-40°C) to 158°F (70°C).



## Haleon Default Programming

Model	Default Operation	LSXR Equivalent	Occupancy Time Delay	Photocell Mode	Photocell Set-point	Low Trim	High Trim	Dim to Off Time Delay
HLNxxx	On/Off Occupancy Only	LSXR 6 LT or LA00STU	10 minutes	Disabled	n/a	n/a	100%	Disabled
HLNxxxHL	Occupancy w/ 0-10V Dimming (High/Low/Off)	LSXR 6 HL LT or LAHOSTU	10 minutes	Disabled	n/a	10%	100%	2.5 minutes
HLNxxxADC	Occupancy w/ Dim & Switch Photocell	LSXR 6 ADC LT or LAM0STU	10 minutes	On/Off & Auto Dim	50 fc	10%	100%	0 seconds
HLNxxxANL	Dim & Switch Photocell with High/Low Occupancy Operation	LSXR 6 ANL LT or LAG0STU	10 minutes	On/Off & Auto Dim	50 fc	10%	100%	Stay Dim/ Never Off

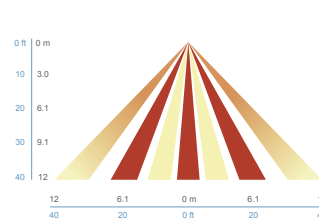
Note: Lens detection noted in place of 'xxx'

## HALEON COVERAGE PATTERNS

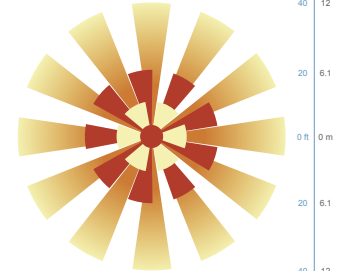
### HIGH MOUNT 360°

- Optimized full coverage pattern for 10 – 40 ft. (3.1 – 12 m)
- Reliable detection of large motion (e.g. pedestrian walking traffic) up to 30 ft. (9.1 m) mounting height
- Reliable detection of extra-large motion (e.g. forklift traffic) up to 40 ft. (12 m) mounting height
- Stow-able rotating lens shield can be utilized to mask areas in which detection is not desired

SIDE VIEW



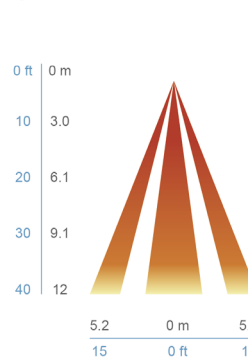
TOP VIEW



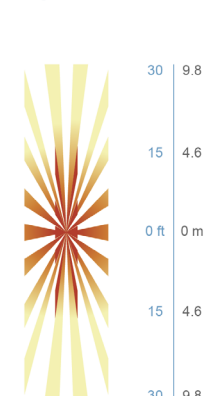
### HIGH MOUNT AISLEWAY

- Optimized bi directional coverage pattern for aisleways with 10 – 40 ft. (3.1 – 12 m) mounting heights
- 1.2X's mounting height equals approximate detection range
- Reliable detection of large motion (e.g. pedestrian walking traffic) up to 30 ft. (9.1 m) mounting height
- Reliable detection of extra-large motion (e.g. forklift traffic) up to 40 ft. (12 m) mounting height
- Stow-able rotating lens shield can be utilized to mask areas in which detection is not desired

SIDE VIEW



TOP VIEW



## LSXR – Fixture Mount Occupancy Sensor (see [www.AcuityControls.com](http://www.AcuityControls.com) for additional information)

- Three interchangeable lens options to satisfy multiple mounting heights and coverage pattern requirements.
- Integrated mounting bracket drops lens down 3" from chase nipple.
- Single or dual relay versions — designed with robust protection from the harsh switching requirements of T5 and LED loads.
- Photocell and 0-10VDC dimming options.
- No PIR field calibration or sensitivity adjustments required.
- Sensor ambient temperature rating of 14°F (-10°C) to 131°F (55°C).

LSXR configuration	Comparable CMRB sensor	Old style sensor nomenclature
<b>For shortest lead times use one of the following LSXR configurations</b>		
LCOZU	CMRB 50	MSI
LCH0SZU	CMRB 50 D	MSID
LCPZU	CMRB 50 P	MSIPED
LAOZU	CMRB 6	MSI360
LAH0SZU	CMRB 6 D	MSI360D
LAPZU	CMRB 6 P	MSI360PED



### SELECTIONS BELOW WILL EXTEND ORDER LEAD TIME. CONSULT YOUR SALES REPRESENTATIVE FOR DETAILS.

#### SINGLE RELAY

##### ORDERING INFORMATION

Example: LAH0SZU

Series	Lens option	Dimming/Photocell	Max. dim level	Min. dim level	Temp/Humidity	Default occupancy time delay	
L LSXR passive infrared indoor occupancy sensor	A High mount, 360°	O None <sup>1</sup>	0 10 VDC	S Minimum dim level of ballast	Z None T Low temperature <sup>2</sup>	I 30 sec	
		H High/low occupancy operation	9 9 VDC			D 2.5 min	
	B Low mount, 360°	P Switching photocell (on/off) <sup>1</sup>	8 8 VDC			1 1 VDC	X 5.0 min
		C High mount aisleway	M Dimming and switching photocell			7 7 VDC	2 2 VDC
	G Dimming and switching photocell with high/low occupancy operation					3 3 VDC	U 10.0 min (with minimum 15 minute on time)
						4 4 VDC	V 15.0 min
			5 5 VDC			W 20.0 min	
		6 6 VDC	Y 30.0 min				

#### Notes

- 1 Max and min dim levels not applicable with this option.
- 2 Ambient temperature rating of -4°F (-20°C) to 131°F (55°C).

#### DUAL RELAY (Available with 120, 277, and 347V only)

##### ORDERING INFORMATION

Example: LA2KZU

Series	Lens option	Poles	Operating mode	Temp/Humidity	Default occupancy time delay
L LSXR passive infrared indoor occupancy sensor	A High mount, 360° B Low mount, 360° C High mount aisleway	2 Dual relay	J None	Z None T Low temperature <sup>1</sup>	I 30 sec
			K Alternating off relays (promotes even lamp wear)		D 2.5 min
			O Alternating off relays w/photocell		X 5.0 min
			P Switching photocell(on/off)		R 7.5 min
			E Photocell on/off (pole 1 only)		U 10.0 min (with minimum 15 minute on time)
			F Photocell on/off - both poles (dual set-point)		V 15.0 min
			W 20.0 min		
			Y 30.0 min		

#### Notes

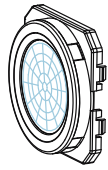
- 1 Ambient temperature rating of -4°F (-20°C) to 131°F (55°C).

Example: LENS 50 J100

Replacement lenses: Order as separate catalog number.		
Series	Lens type	Package quantity
LENS	6 High mount 360°	[blank] Single Lens
	10 Low mount 360°	J10 10-pack
	50 High mount aisleway	J100 100-pack

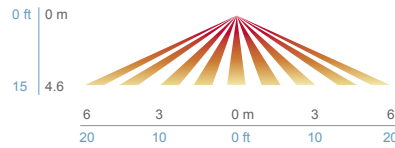
## LSXR COVERAGE PATTERNS

### HIGH MOUNT 360° LENS (#6)

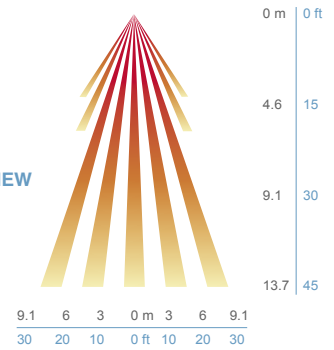


- Best choice for 15 to 45 ft (4.57 to 13.72 m) mounting heights
- 15 to 20 ft (4.57 to 6.10 m) radial coverage overlaps area lit by a typical high bay fixture
- Excellent detection of large motion (e.g. walking) up to a 35 ft (10.76 m) mounting height
- Excellent detection of extra large motion (e.g. forklifts) up to a 45 ft (13.72 m) mounting height

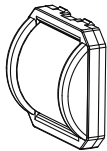
LOW VIEW



HIGH VIEW

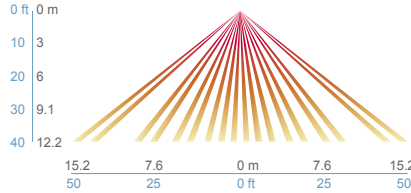


### HIGH MOUNT AISLEWAY LENS (#50)

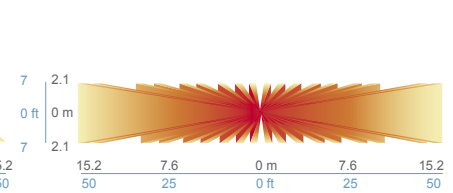


- Provides a bi-directional coverage pattern ideal for warehouse racking
- 1.2x mounting height equals approximate detection range in either direction
- Typical 40 ft (12.19 m) mounting detects 50 ft (15.24 m) in either direction
- Superior aisleway coverage compared to a masked 360° lens

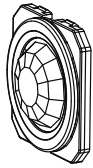
SIDE VIEW



TOP VIEW

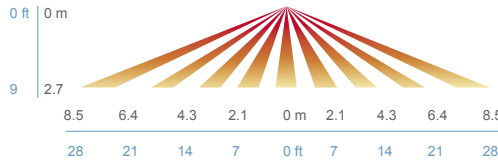


### LOW MOUNT 360° LENS (#10)

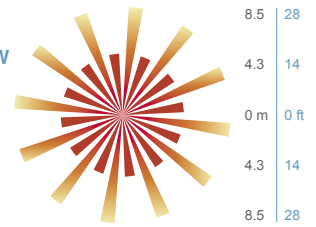


- Best choice for large motion detection (e.g. walking)
- 360° conical shaped pattern
- Provides ~24 ft (7.32 m) radial coverage (~2000 ft<sup>2</sup>) when mounted at 9 ft (2.74 m)
- 7 to 15 ft (2.13 to 4.57 m) mounting heights provide 16 to 36 ft (4.88 to 10.97 m) radial coverage
- Detection range improves when walking across beams compared to into beams

SIDE VIEW



TOP VIEW



## C6DOSUEM & C10DOSUEM - UL924 Listed Sensors

### SENSOR DEFAULT SEQUENCE OF OPERATION

- The occupied light level is full output.
- The unoccupied light level is approximately 30%.
- The time delay following sensor vacancy is 5 minutes, with an additional 5 minute slow ramp from the occupied light level to the unoccupied light level.
- **The onboard daylight sensor is not enabled by default - sensor will not respond to changing daylight conditions.**

Daylight sensor settings can be enabled and programmed by a trained technician after installation.

### EGRESS MODE SEQUENCE OF OPERATION

The UL924 C6DOSUEM & C10DOSUEM controls are designed to provide fully tuned light output for 90 minutes following power loss or interruption, ignoring automatic dimming/occupancy/daylight control signals during this time.

- Typical sequence upon power loss: Backup power source activates, transfer switch moves the emergency circuit powering the sensor onto the backup source, and sensor regains power. This sensor is programmed to detect any power interruption or transfer > 30 ms
- The sensor then ignores occupancy & daylight status and controls the luminaire to full light output for 90 minutes.
- The device resumes normal dimming & occupancy controls after 90 minutes.
- This sensor should not be used with online power backup systems or any transfer devices with < 30 ms transfer time.

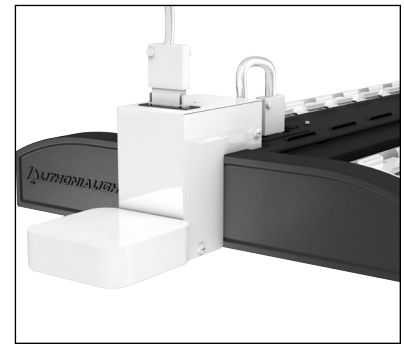
# IBG LED High Bay

## IMP - Integrated Modular Plug

- The integrated modular plug (IMP) option allows the installer to plug and play a multitude of accessories.
- Cord sets connect quickly to any fixture with IMP option.
- IMP accessories include occupancy sensors, photocells, X-point relays.

IMP compatible cord sets <sup>1</sup>	
CS1WIMP	Straight plug, 120V
CS3WIMP	Twist-lock, 120V
CS7WIMP	Straight plug, 277V
CS11WIMP	Twist-lock, 277V
CS25WIMP	Twist-lock, 347V
CS93WIMP	600V SE00W white cord, no plug
CS97WIMP	Twist-lock, 480V

IMP compatible sensors	
MSIIMP	Aisle sensor
MSI360IMP	360° sensor



### Notes

- 1 Cord set required for fixture operation. All cord sets are 18/3, 6' white.

## RRL - RELOC®-Ready Luminaire

- RRL connectors to be used with the OnePass system.
- Load side of connector factory installed to luminaire.
- 4-pole mating connector with push-in terminations allows for simple installation.
- Touch-safe design on both halves meets UL/CSA requirement.
- Wiping contact design allows safe disconnect under load.



### ORDERING INFORMATION

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

**Example: RRLA**

Series	Wiring instructions
RRL RELOC®-ready luminaire	<p>A Hot conductor wired to position #1 (phase A); non-dimming</p> <p>B Hot conductor wired to position #2 (phase B); non-dimming</p> <p>AE Hot conductor wired to position #1 (phase A), hot conductor #2 wired to position #2 (phase B); non-dimming<sup>1</sup></p> <p>C12S Hot conductor in position #1 (phase A), low voltage conductor #1 in position #2, low voltage conductor #2 in position #3; dimming<sup>2</sup></p>

## Compatible RELOC® Cables for Industrial Luminaires (ordered and shipped separately)

(click to view RELOC product page for more information)



### Notes

- 1 AE commercial fixtures should disconnect the TSPL before unplugging the RRL so it does not go into discharge mode. Requires fixture to have battery option.
- 2 C12S option is used with the OnePass for 0-10V/DALI applications.

# Visual - Interior Tool



Tuesday, September 17, 2019

## Design Information

Project Name  
Project Description

Your Name  
Company Name  
Your Phone  
Your Email

## Calculation Results

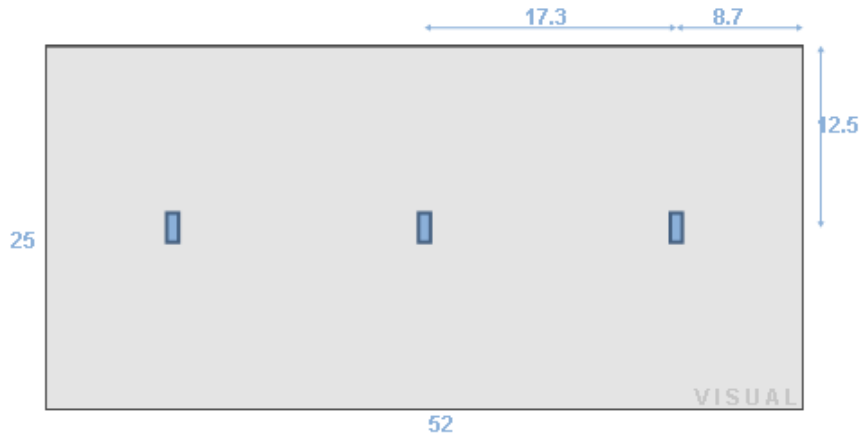
Illuminance 25 fc  
Power Density 0.26 W/ft<sup>2</sup>  
Quantity 3

## Spacing Results

Spacing 17.3 x 0 ft  
Arrangement 3 x 1  
Offset X 8.29 ft  
Offset Y 11.5 ft

## Room Summary

Length 52 ft  
Width 25 ft  
Height 20 ft  
Workplane 2.5 ft  
Reflectances  
Ceiling 80 %  
Walls 50 %  
Floor 20 %



## Lithonia Lighting [A] - IBG 18L HVOLT



Light Loss Factor	1	Lamp Lumens	17327	Wattage	112.7 Watts
Suspension Length	0 ft	Lamp Quantity	1	CU	0.61

These lighting calculation results are for general informational purposes only and are provided without warranty as to accuracy, completeness, reliability or otherwise. Results are based on user provided data and data provided from publicly available sources; actual field conditions may affect calculated output. Visit [www.Visual-3D.com](http://www.Visual-3D.com).



LED roadway lighting that's easy to buy. Free trial program and leasing options make it easy to get started with LED. Specification-grade optics deliver efficient, clean, uniform light distributions at a reasonable cost. Optics are factory installed and meet IES Distribution Type IV. LROAD™ 50W replaces 200W metal halide roadway fixtures.

Color: Bronze

Weight: 33.5 lbs

<b>Project:</b>	<b>Type:</b>
<b>Prepared By:</b>	<b>Date:</b>

Driver Info		LED Info	
Type	Constant Current	Watts	50.00W
120V	0.46A	Color Temp	4000K (Neutral)
208V	0.27A	Color Accuracy	72 CRI
240V	0.23A	L70 Lifespan	100,000
277V	0.20A	Lumens	7,256
Input Watts	54.74W	Efficacy	132.6 LPW
Efficiency	91%		

## Technical Specifications

### Listings

#### UL Listing:

Suitable for wet locations as a downlight

#### DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. DLC Product Code: P0000178E

#### IESNA LM-79 & IESNA LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

### LED Characteristics

#### Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

#### LEDs:

Multi-chip, high-output, long-life LEDs

#### Color Consistency:

3-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

#### Color Stability:

LED color temperature is warranted to shift no more than 200K in CCT over a 5-year period

#### Color Uniformity:

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

### Construction

#### IES Classification:

The Type IV distribution (also known as a Forward Throw) is especially suited for illuminating the perimeter of parking areas and for intersections. It produces a semicircular distribution with essentially the same candlepower at lateral angles from 90° to 270°.

#### Effective Projected Area:

EPA = 0.75

#### IP Rating:

Ingress Protection rating of IP66 for dust and water

#### Vibration Rating:

Industry-leading 5G vibration rating per ANSI C136.31

#### Ambient Temperature:

Suitable For use in 40°C (104°F)

#### Cold Weather Starting:

Minimum starting temperature is -40°C (-40°F)

#### Thermal Management:

Superior thermal management design with external Air-Flow fins provides maximum operational life, even in high ambient temperature environments

#### Lens:

Tempered glass lens

#### Housing:

Die-cast aluminum housing, lens frame and mounting arm

#### Mounting:

Fits most standard roadway upsweep arms. Adaptor brackets supplied fit 1", 1 1/4", 1 1/2" and 2" OD arms.

#### Wedge Mounting Option:

Allows field adjustment of +/- 5 degree tilt to achieve a level installation of LROAD50 universal adaptor roadway fixtures. [Wedge Mounting available here.](#)

## Technical Specifications (continued)

### Construction

#### Recommended Mounting Height:

Up to 15 ft

#### Reflector:

Specular vacuum-metallized polycarbonate

#### Gaskets:

High-temperature silicone gaskets

#### Finish:

Formulated for high durability and long-lasting color

### Electrical

#### Driver:

Constant Current, Class 2, 1400mA, 100-277V, 50-60Hz, 0.8A, Power Factor 99%

#### THD:

6.1% at 120V, 9.4% at 277V

#### Power Factor:

99.6% at 120V, 96% at 277V

#### Photocell:

120-277V twistlock photocell included. Photocell is compatible with 120-277V.

#### Surge Protection:

6kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2.

#### Other

#### Patents:

The LROAD™ design is protected by patents pending in the U.S., Canada, China, Taiwan and Mexico.

#### Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of ten (10) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at [rablighting.com/warranty](http://rablighting.com/warranty).

#### Buy American Act Compliance:

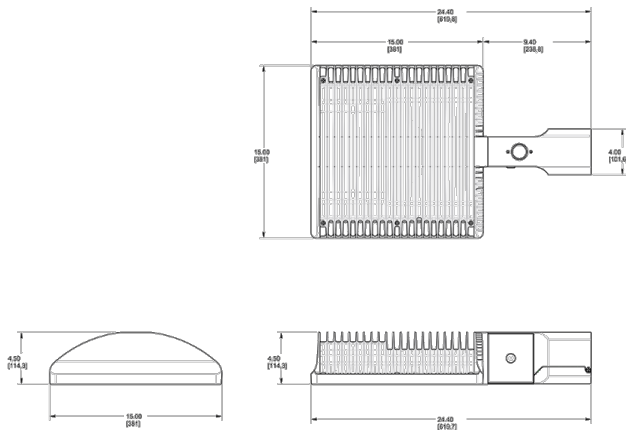
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

#### Optical

#### BUG Rating:

B0 U0 G1

## Dimensions



## Features

- Ideal for parking areas and for intersections
- 27 year lifespan dramatically reduces maintenance and re-lamping costs
- Precision optics deliver maximum downward street side lumens with uniformity and minimal glare
- Compatible with standard roadway arms
- Universal adaptors for 1", 1 1/4", 1 1/2" and 2" OD pipe included
- Industry-leading 5G vibration rating per ANSI C136.31
- Easy-access electrical compartment makes wiring fast and secure
- 10-Year, No-Compromise Warranty

## Ordering Matrix

Family	Distribution	Wattage	Mounting	Color Temp	Finish	Options	Other Options
<b>RWLED</b>	<b>4T</b>	<b>50</b>		<b>N</b>		<b>/PCT</b>	
	<b>4T</b> = Type IV <b>3T</b> = Type III <b>2T</b> = Type II	<b>50</b> = 50W <b>78</b> = 78W <b>105</b> = 105W <b>125</b> = 125W <b>150</b> = 150W	<b>Blank</b> = Roadway Arm <b>SF</b> = Slipfitter	<b>Blank</b> = 5000K (Cool) <b>N</b> = 4000K (Neutral) <b>Y</b> = 3000K (Warm)	<b>Blank</b> = Bronze <b>RG</b> = Gray <b>W</b> = White	<b>Blank</b> = No Option <b>/PCT</b> = 120-277V Twistlock Photocell <b>/PCS</b> = 120V Swivel Photocell <b>/PCS2</b> = 277V Swivel Photocell <b>/BL</b> = Bi-Level Control <b>/D10</b> = 0-10V Dimming <b>/480</b> = 480V Driver <b>/480/PCS4</b> = 480V w/ 480V Swivel Photocell <b>/480/PCT4</b> = 480V w/ 480V Twistlock Photocell	<b>USA</b> = BAA Compliant <b>Blank</b> = Standard



Square steel poles drilled for 2 Area Lights at 180°. Designed for ground mounting. Poles are stocked nationwide for quick shipment. Protective packaging ensures poles arrive at the job site good as new.

Color: Bronze

Weight: 195.0 lbs

<b>Project:</b>	<b>Type:</b>
<b>Prepared By:</b>	<b>Date:</b>

**Technical Specifications**

**Listings**

**CSA Listed:**

Suitable for wet locations

**Construction**

**Shaft:**

46,000 p.s.i. minimum yield.

**Hand Holes:**

Reinforced with grounding lug and removable cover

**Base Plates:**

36,000 p.s.i. minimum yield.

**Shipping Protection:**

All poles are shipped in individual corrugated cartons to prevent finish damage

**Color:**

Bronze powder coating

**Height:**

20 FT

**Weight:**

195 lbs

**Gauge:**

7

**Wall Thickness:**

3/16"

**Shaft Size:**

4"

**Hand Hole Dimensions:**

3" x 5"

**Bolt Circle:**

8 1/2"

**Base Dimension:**

8"

**Anchor Bolt:**

Galvanized anchor bolts and galvanized hardware and anchor bolt template. All bolts have a 3" hook.

**Anchor Bolt Templates:**

WARNING Template must be printed on 11" x 17" sheet for actual size. CHECK SCALE BEFORE USING. Templates shipped with anchor bolts and available [online](#).

**Pre-Shipped Anchor Bolts:**

Bolts can be pre-shipped upon request for additional freight charge

**Max EPA's/Max Weights:**

- 70MPH 16.2 ft./390 lb.
- 80MPH 11.8 ft./285 lb.
- 90MPH 8.7 ft./205 lb.
- 100MPH 6.3 ft./150 lb.
- 110MPH 4.5 ft./110 lb.
- 120MPH 3.1 ft./75 lb.
- 130MPH 2.0 ft./50 lb.
- 140MPH 1.1 ft./30 lb.
- 150MPH 0.4 ft./10 lb..

**Other**

**Terms of Sale:**

Pole Terms of Sale is available [online](#).

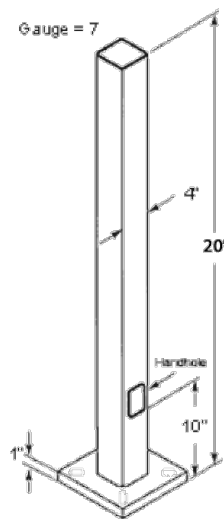
## Technical Specifications (continued)

### Other

#### Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

### Dimensions



### Features

- Designed for ground mounting
- Heavy duty TGIC polyester coating
- Reinforced hand holes with grounding lug and removable cover for easy wiring access
- Anchor Bolt Kit includes pole cap and base cover (sold separately)
- Custom manufactured for each application


Calculation Summary											
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Description	PtSpcLr	PtSpcTb	Meter Type
Parking Lot	Illuminance	Fc	0.60	6.1	0.0	N.A.	N.A.		10	10	Horizontal

Luminaire Schedule							All quotes/orders generated from this layout must be forwarded to the Local Rep Agency				
Symbol	Qty	Tag	Label	Arrangement	LLF	Description	BUG Rating				
	5		WPLED26	SINGLE	1.000	WPLED26-WPLED26_D10 (WALLPACK) - ALED26-ALED26_D10 (AREA LIGHT)	E1-U0-G1				
	2		RWLED3T50	SINGLE	1.000	ALED3T50 - RWLED3T50 - RWLED3T50SF - WPLED3T50 (TYPE III)	B1-U0-G2				
	1		RWLED3T50 - 3H	3 @ 90 DEGREES	1.000	ALED3T50 - RWLED3T50 - RWLED3T50SF - WPLED3T50 (TYPE III)	B1-U0-G2				

Expanded Luminaire Location Summary					
Label	X	Y	MTG HT	Orient	
RWLED3T50 - 3H	562.5	352.55	20	270	
RWLED3T50 - 3H	563.95	354	20	360	
RWLED3T50 - 3H	561.05	354	20	180	
RWLED3T50	282.669	473.946	20	180	
WPLED26	632.573	380.049	15	270	
WPLED26	670	380.841	15	270	
WPLED26	594.1	401	15	180	
WPLED26	743	401	15	0	
WPLED26	708.074	381.588	15	270	
RWLED3T50	456	463	20	270	
Total Quantity: 10					

NOTES:

- \* The light loss factor (LLF) is a product of many variables, only lamp lumen depreciation (LLD) has been applied to the calculated results unless otherwise noted. The LLD is the result (quotient) of mean lumens / initial lumens per lamp manufacturers' specifications.
- \* Illumination values shown (in footcandles) are the predicted results for planes of calculation either horizontal, vertical or inclined as designated in the calculation summary. Meter orientation is normal to the plane of calculation.
- \* The calculated results of this lighting simulation represent an anticipated prediction of system performance. Actual measured results may vary from the anticipated performance and are subject to means and methods which are beyond the control of Holbrook-Associated.
- \* Mounting height determination is job site specific, our lighting simulations assume a mounting height (insertion point of the luminaire symbol) to be taken at the top of the symbol for ceiling mounted luminaires and at the bottom of the symbol for all other luminaire mounting configurations.
- \* It is the Owner's responsibility to confirm the suitability of the existing or proposed poles and bases to support the proposed fixtures, based on the weight and EPA of the proposed fixtures and the owner's site soil conditions and wind zone. It is recommended that a professional engineer licensed to practice in the state the site is located be engaged to assist in this determination.
- \* The landscape material shown hereon is conceptual, and is not intended to be an accurate representation of any particular plant, shrub, bush, or tree, as these materials are living objects, and subject to constant change. The conceptual objects shown are for illustrative purposes only. The actual illumination values measured in the field will vary.
- \* Photometric model elements such as buildings, rooms, plants, furnishings or any architectural details which impact the dispersion of light must be detailed by the customer documents for inclusion in the Holbrook-Associated lighting design model. Holbrook-Associated is not responsible for any inaccuracies caused by incomplete information on the part of the customer, and reserves the right to use best judgement when translating customer requests into photometric studies.
- \* RAB Lighting Inc. luminaire and product designs are protected under U.S. and International intellectual property laws. Patents issued or pending apply.

	Prepared For: Electrical Wholesalers/USES Sal Germinaro 701 Middle Street Middletown, CT 06457	Job Name: Enterprise Drive  Lighting Layout Exterior	Scale: as noted	Inside Rep: CRobbins	The Lighting Analysis, eLayout, Energy Analysis and/or Visual Simulation ("Lighting Design") provided by Holbrook-Associated represent an anticipated prediction of lighting system performance based upon design parameters and information supplied by others. These design parameters and information provided by others have not been field verified by Holbrook-Associated and therefore actual measured results may vary from the actual field conditions. Holbrook-Associated recommends that design parameters and other information be field verified to reduce variation.
			Date: 3/13/2020	Outside Rep: FCreddo	
			Filename: 98 Enterprise.AGI		
			Drawn By: JHolbrook		
Filename: C:\Users\jholbrook\Documents\AGI32 - Designs\2019 Designs\Misc. Designs\AGI Designs Prior to 10-21-19\98 Enterprise\98 Enterprise.AGI					

Holbrook-Associated neither warrants, either implied or stated with regard to actual measured light levels or energy consumption levels as compared to those illustrated by the Lighting Design. Holbrook-Associated neither warrants, either implied or stated, nor represents the appropriateness, completeness or suitability of the Lighting Design. The Lighting design is issued, in whole or in part, as advisory documents for informational purposes and is not intended for construction nor as being part of a project's construction documentation on package.

NOTES

1. THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH THE SECTIONS 20-20A-1 THROUGH 20-20A-22 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES - TERRAIN SURVEYING FOR SURVEY AND MAPS IN THE STATE OF CONNECTICUT AS ENFORCED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS. NO. 10 TO BE APPROVED. ELEVATION VALUES BASED UPON A BENCHMARK BEING AND CONFORMING TO HORIZONTAL ACCURACY CLASS AND A3 VERTICAL ACCURACY CLASS THE BRANCH OF GEODESY NUMBER 179002.
2. REFERENCE IS MADE TO THE FOLLOWING MAPS ON FILE IN THE REGISTER TOWN OFFICE OF HADLEY:
  - A. "SUBDIVISION MAP, SECTION 2, TOWN OF HADLEY, HADLEY TOWN, HADLEY, MASSACHUSETTS, SCALE: 1"=100', DATED MARCH 22, 2006, AND JUNE 7, 2007 AND FILED IN THE TOWN OFFICE AS MAP 6547.
  - B. "THE PARCEL IS LOCATED IN ZONE H-2: 100% RES. - 0.75 AC.
  - C. THE LOCATION OF UNDERGROUND UTILITIES, IF ANY, IS UNKNOWN.
  - D. PLAN PREPARED FOR ENTERPRISE DRIVE, LLC.
  - E. ALL CONVEYANCES REQUIRED HEREIN HAVE BEEN REVIEWED FOR COMPLETION OF THIS STUDY.
  - F. BEARING BASED ON STATE PLANE COORDINATES, NAD83.
  - G. ELEVATIONS OF THIS MAP APPLIED TO CONTIGUOUS AS OF THE "FIXED" DATE OF RECORD. NOT DIRECTLY RELATED TO THIS PROJECT AND HAVE NOT BEEN CHECKED. THIS DATE AND TO UPDATED SURVEY IS RECOMMENDED TO ACCURATELY REFLECT THE CURRENT TOWN OFFICE.
  - H. WETLAND STATES SHOWN HEREON ARE BASED ON SUBDIVISION MAP REPRESENTED IN MAP 6547 ABOVE TO ALL UTILITIES TO BE 4'-0" UNDER GROUND.
  - I. ALL CONVEYANCES, RECORDS OR RECORDS AREAS SHOWN ON THE PLAN SHALL BE SUBJECT TO THE APPLICABLE TOWN OFFICE RECORDS FOR THE RECORD.

PARKING REQUIREMENTS

10000' CIRCULAR USE @ 1' SPACE PER 1000V = 8 SPACES  
 1000' CIRCULAR USE @ 1' SPACE PER 100V = 4 SPACES  
 TOTAL PROVIDED = 12 SPACES



WATER QUALITY BASIN

FOREBAY  
 BOTTOM = 412.0  
 OUTLET = 413.5  
 TOP BERM = 414.5  
 FOREBAY VOL = 1940cf (WQV)

MAIN BASIN  
 BOTTOM = 412.0  
 14" OUTLET = 413.5  
 OVERFLOW OUTLET = 415.2  
 EMERGENCY SPILLWAY OVERFLOW = 415.5  
 TOP BERM = 417.0  
 24" STRUCTURE OUTLET = 411.5  
 TOTAL VOL TO OUTLET = 15,450cf  
 MAIN BASIN WQ VOLUME = 8312cf

LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- PROPOSED DRAINAGE
- WATER SERVICE
- GAS LINE
- SEWER
- WALKWAY
- WETLANDS LIMIT
- WETLANDS UPLAND REVIEW AREA
- WETLANDS WITH FLAG #
- CONSERVATION ZONE
- PERCOLATION TEST
- GAS SIGN
- FLARED END
- WATERMETER
- PROPOSED POLE LIGHT
- LIMIT OF DISTURBANCE

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON. THIS MAP IS NOT VALID UNLESS EMBOSSED WITH THE SEAL OR AFFIXED WITH THE LINE STAMP OF THE SIGNATORY.

PLANTING LIST

COMMON NAME	#	SIZE
RED CHERRYBERRY	12	3-4'
BUTTERBUSH	12	3-4'
SWEET PEPPERBUSH	10	3-4'
NORWAY SPRUCE	22	6"
MILITARY LAUREL	73	3-4'
SPECIER ALDER	9	3-4'

LIST OF PROPOSED BULK STORAGE MATERIAL

1. FERTILIZER OR LIMESTONE
2. TOPSOIL OR OTHER SIMILAR ORGANIC MATERIAL
3. PROPOSED WOOD BENCH MATERIALS

**J. EDWARDS & ASSOCIATES LLC**  
 ENGINEERING • SURVEYING • SITE PLANNING

227 Strawberry Road, Easton, CT 06122  
 Phone: (860) 261-8235 Fax: (860) 261-8434  
 www.jedwardsllc.com

98 ENTERPRISE DRIVE  
 MONROE, CONNECTICUT

REVISIONS

#	DATE	DESCRIPTION
1	11/17/17	BUILDING LOC.
2	1/13/18	WETLAND APP.
3	2/27/18	WETLAND COMMENTS
4	3/28/18	WETLAND COMMENTS
5	5/22/18	WETLAND APPROVAL
6	7/12/18	T.E. COMMENTS
7	11/28/18	BUILDING SIZE

DATE: OCTOBER 1, 2017  
 PROJECT #: 2133  
 DRAWING FILE: SITE PLAN  
 DRAWN BY: LE  
 SCALE: 1"=30'

TITLE  
 SITE PLAN  
 SHEET NUMBER  
 S-1

**HOLBROOK-ASSOCIATED**  
 Electrical Manufacturer's Representative

LARRY EDWARDS, P.E. No. 10937

**K-ASSOCIATED**  
 Electrical Manufacturer's Representative

Prepared For:  
 Electrical Wholesalers/USES  
 Sal Germinaro  
 701 Middle Street  
 Middletown, CT 06457

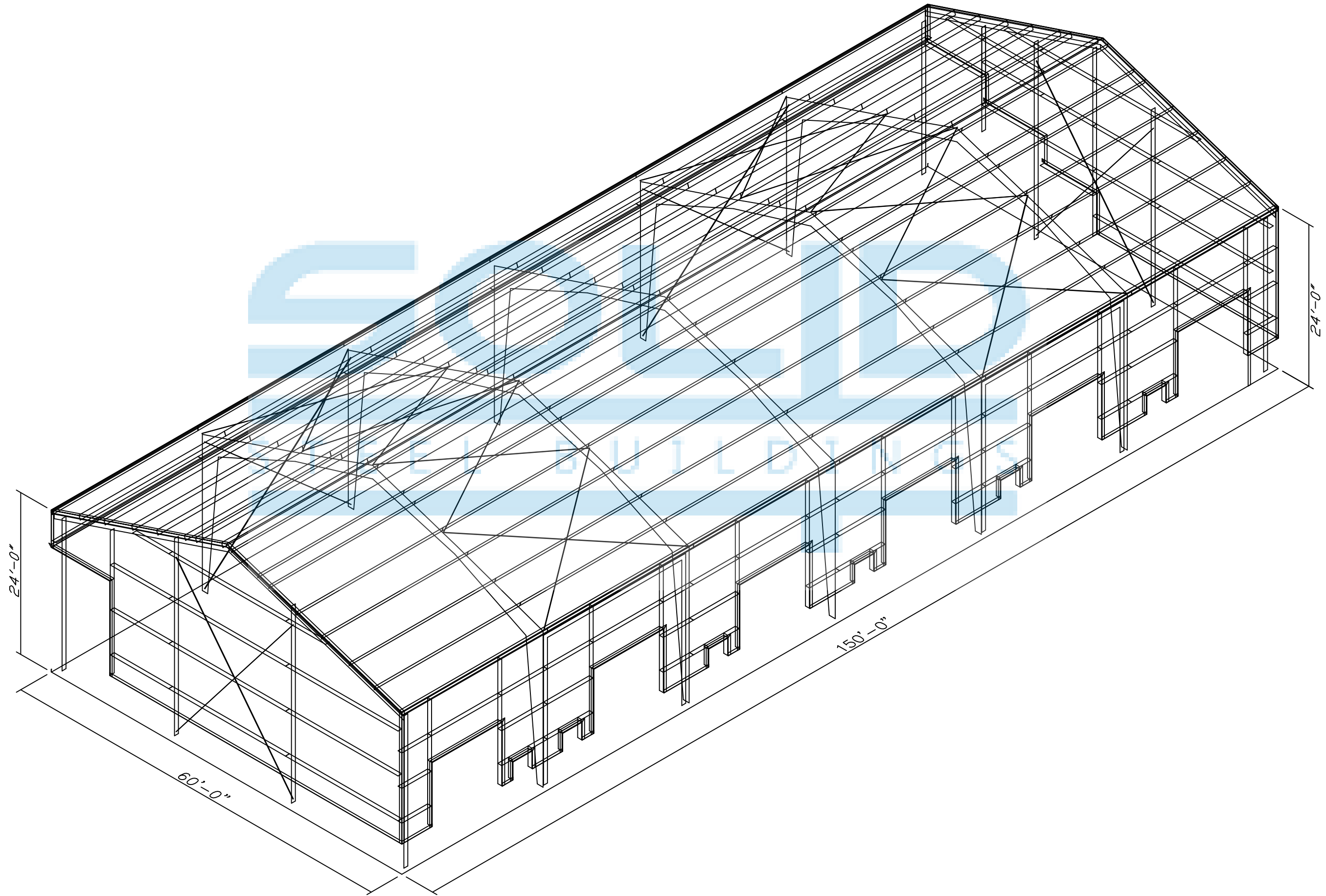
Job Name:  
 Enterprise Drive  
 Lighting Layout  
 Exterior

Scale: as noted  
 Date: 3/13/2020  
 Inside Rep: CRobbins  
 Outside Rep: FCreddo  
 Filename: 98 Enterprise.AGI  
 Drawn By: JHolbrook

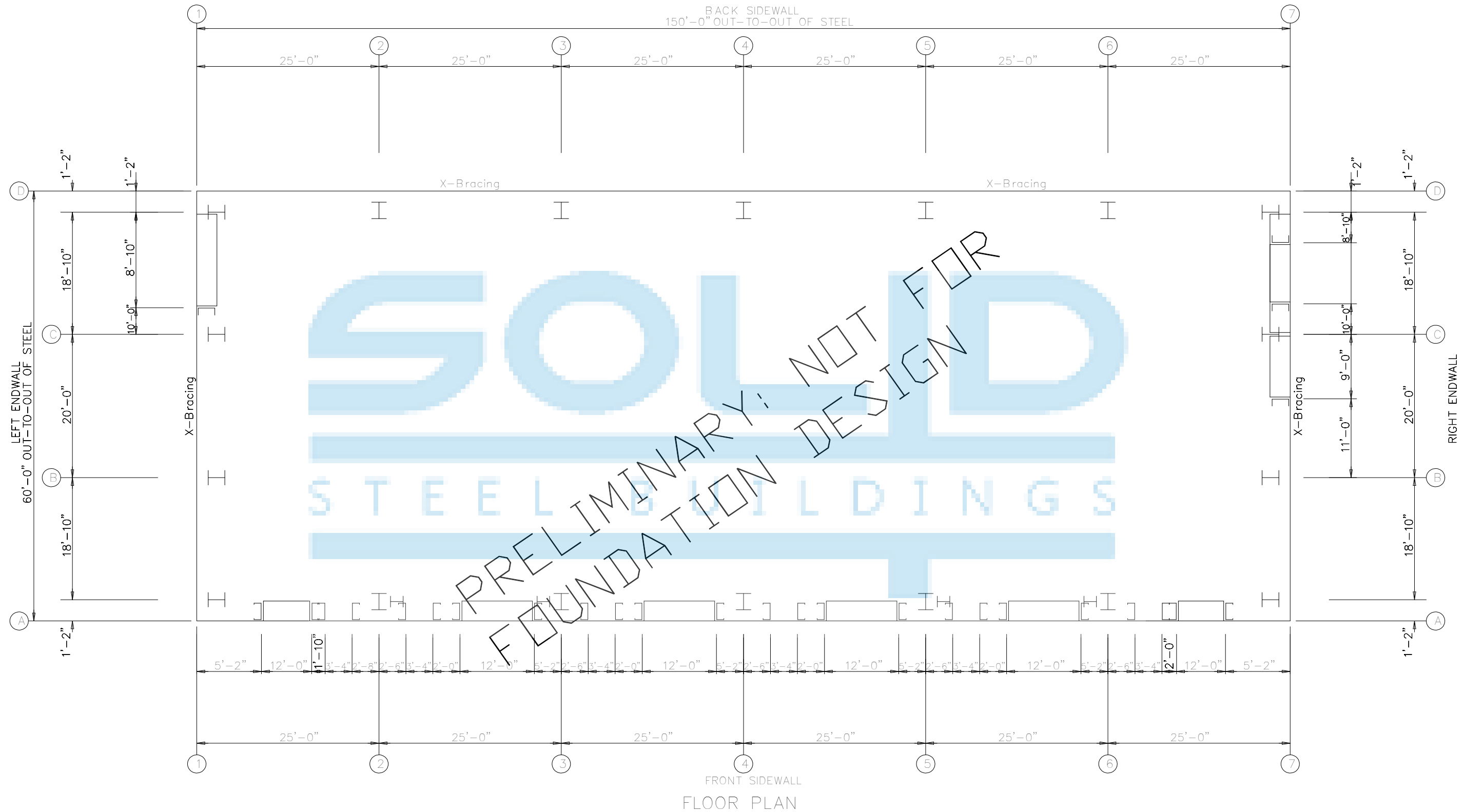
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Filename: C:\Users\jholbrook\Documents\AGI32 - Designs\2019 Designs\Misc. Designs\AGI Designs Prior to 10-21-19\98 Enterprise\98 Enterprise.AGI







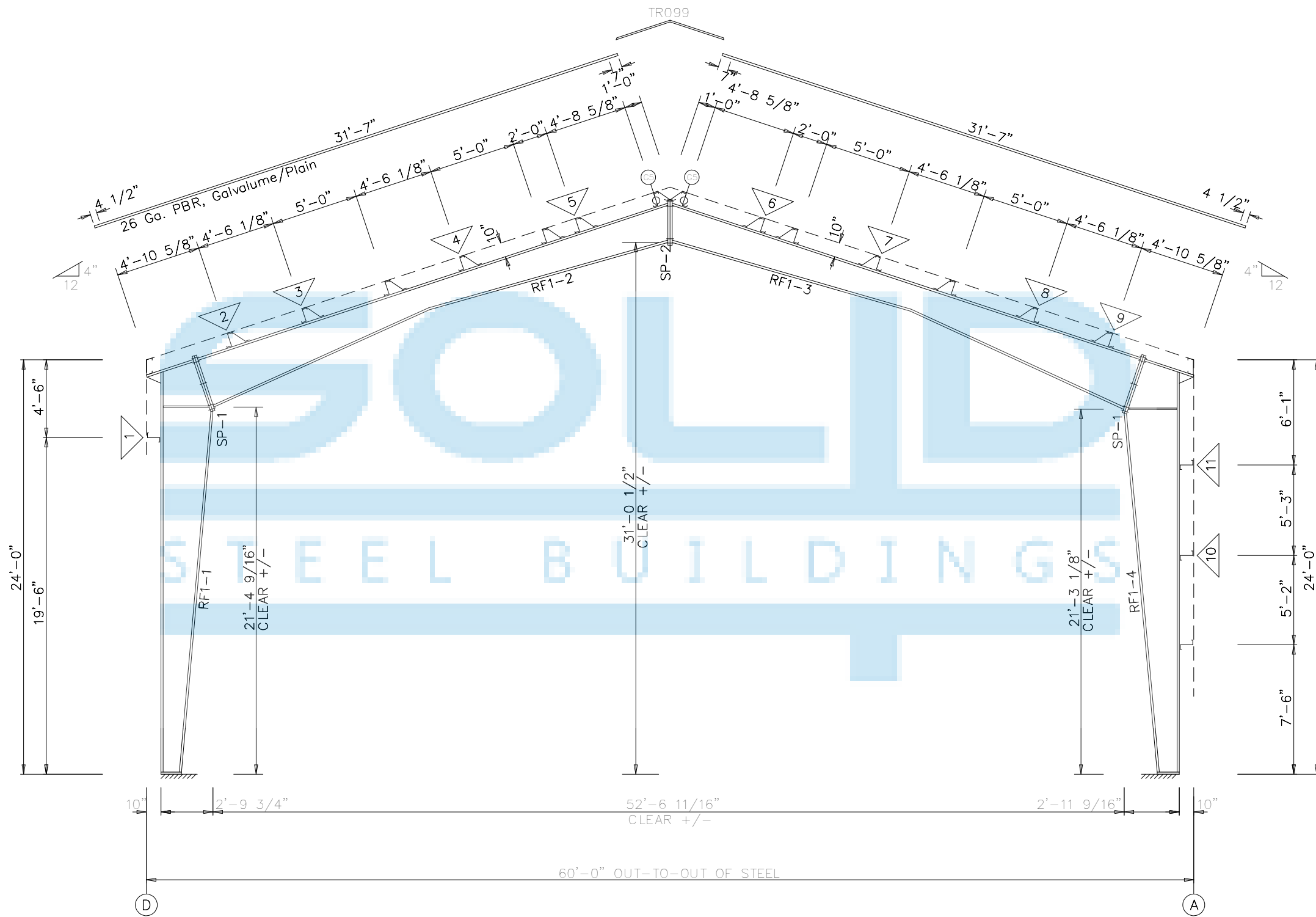
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														<input type="checkbox"/> FOR CONSTRUCTION	DRAWN BY:		8/12/19	@J194	@J195	0
														<input type="checkbox"/> FOR APPROVAL	CHECKED BY:	Y				
														<input type="checkbox"/> FOR PERMIT ONLY	DESIGN APPD BY:					
														<input checked="" type="checkbox"/> FOR PRELIMINARY						
														CAD BY:						



DRAWING NUMBER: 98Enterprise E-  
REV. NO.: 0

SPLICE BOLT TABLE						
Mark	Qty	Top	Bot	Int	Type	Dia Length
SP-1	4	4	2	A325	0.750	2.50
SP-2	4	4	0	A325	0.625	2.25

FLANGE BRACE TABLE			
FRAME LINE 2 3 4 5 6			
▽ ID	#	MARK	LENGTH
1	1	FB54.3	4'-6 1/4"
2	1	FB52	4'-4"
3	1	FB39.8	3'-3 3/4"
4	1	FB34	2'-10"
5	1	FB36.8	3'-0 3/4"
6	1	FB37	3'-1"
7	1	FB34.8	2'-10 3/4"
8	1	FB41	3'-5"
9	1	FB53.3	4'-5 1/4"
10	1	FB50.3	4'-2 1/4"
11	1	FB54.5	4'-6 1/2"



RIGID FRAME ELEVATION: FRAME LINE 2 3 4 5 6

GENERAL NOTES:  
 MINOR FIELD WORK OF STRUCTURAL, SECONDARY  
 AND PANEL/TRIM ITEMS MAY BE NECESSARY TO  
 ENSURE PROPER FIT. SUCH WORK IS CONSIDERED  
 A NORMAL PART OF METAL BUILDING ERECTION.  
 WE WILL NOT HONOR BACKCHARGES FOR MINOR  
 FIELD WORK.

NO.	DATE	ENGR.	DATE	NO.	REVISIONS

<input type="checkbox"/> FOR CONSTRUCTION <input type="checkbox"/> FOR APPROVAL <input type="checkbox"/> FOR PERMIT ONLY <input checked="" type="checkbox"/> FOR PRELIMINARY	SCALE: NONE DATE: 8/12/19 DRAWN BY: [ ] CHECKED BY: [ ] DESIGN APPD BY: [ ]	CUSTOMER: LOCATION: @J194 @J195
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------	------------------------------------

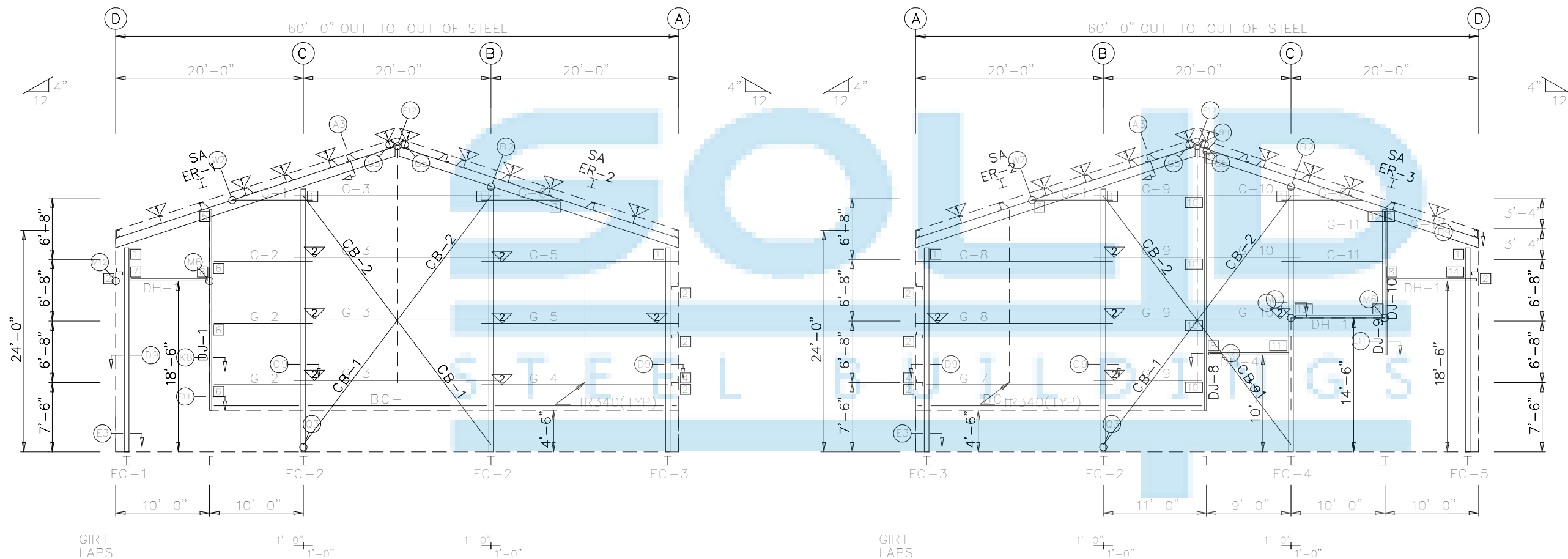
**SOLID**  
 STEEL BUILDINGS

DRAWING NUMBER: 98Enterprise E-  
 REV. NO.: 0

BOLT TABLE FRAME LINE 1 & 7				
LOCATION	QUAN	TYPE	DIA	LENGTH
ER-1/ER-2	8	A325T	5/8"	2 1/4"
ER-2/ER-3	8	A325T	5/8"	2 1/4"
Columns/Raf	2	A325T	1/2"	2"
Jamb	4	A325T	1/2"	2"

FLANGE BRACE TABLE FRAME LINE 1 & 7		
▽ID	MARK	LENGTH
1	FB30.8	2'-6 3/4"
2	FB24.3	2'-0 1/4"

CONNECTION PLATES FRAME LINE 1 & 7	
□ID	MARK/PART
1	g1
2	CL027
3	d1
4	CL050
5	g2
6	b1
7	c2
8	CL020
9	g3
10	b3
11	c5
12	g4
13	c6
14	c7



ENDWALL FRAMING: FRAME LINE 1

ENDWALL FRAMING: FRAME LINE 7

CABLE NOTES:  
FIELD SLOT GIRTS FOR  
CABLE TO PASS-THRU.

GENERAL NOTES:

MINOR FIELD WORK OF STRUCTURAL, SECONDARY  
AND PANEL/TRIM ITEMS MAY BE NECESSARY TO  
ENSURE PROPER FIT. SUCH WORK IS CONSIDERED  
A NORMAL PART OF METAL BUILDING ERECTION.  
WE WILL NOT HONOR BACKCHARGES FOR MINOR  
FIELD WORK.

NO.	DATE	ENGR.	DATE	NO.	REVISIONS	MADE	CK'D	DATE	ENGR.	DATE

DRAWING SUBMITTAL STATUS	SCALE	NONE	DATE
<input type="checkbox"/> FOR CONSTRUCTION	DRAWN BY		8/12/19
<input type="checkbox"/> FOR APPROVAL	CHECKED BY	Y	
<input type="checkbox"/> FOR PERMIT ONLY	DESIGN APPD BY		
<input type="checkbox"/> FOR PRELIMINARY			
CAD BY			

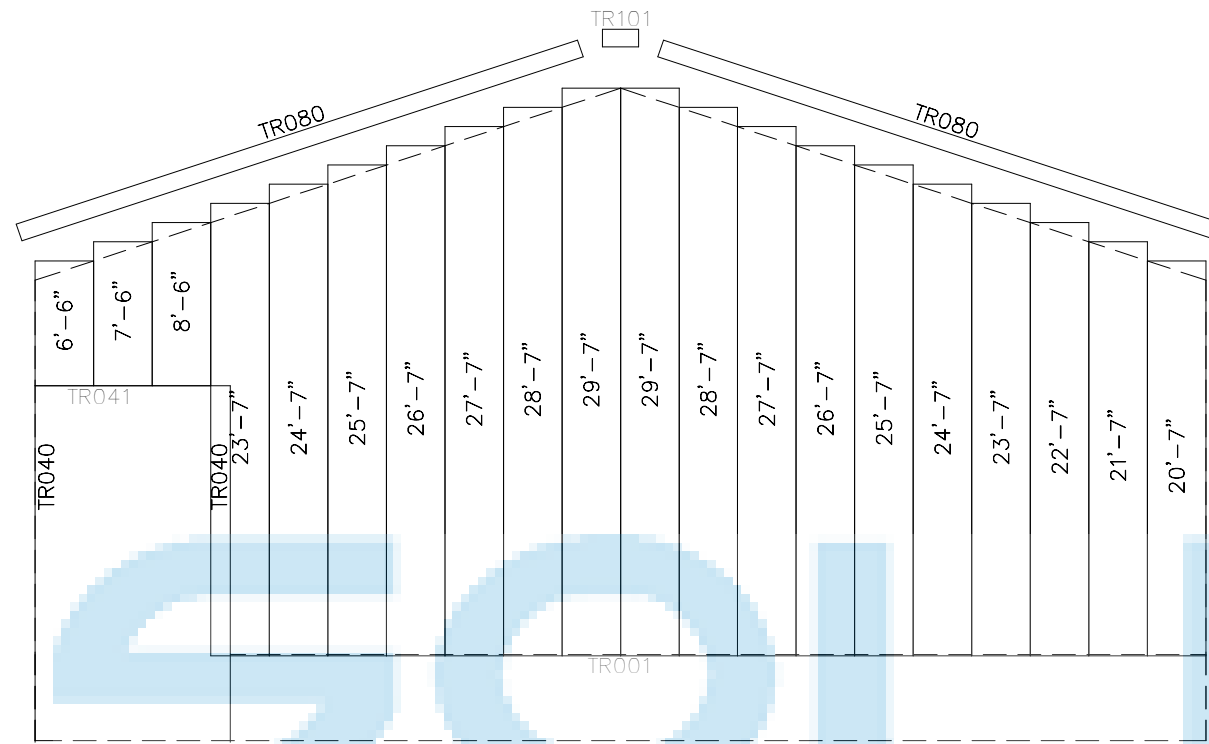
CUSTOMER:  
LOCATION: @J194 @J195



DRAWING NUMBER	98Enterprise E-	REV. NO.	0
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4"  
12

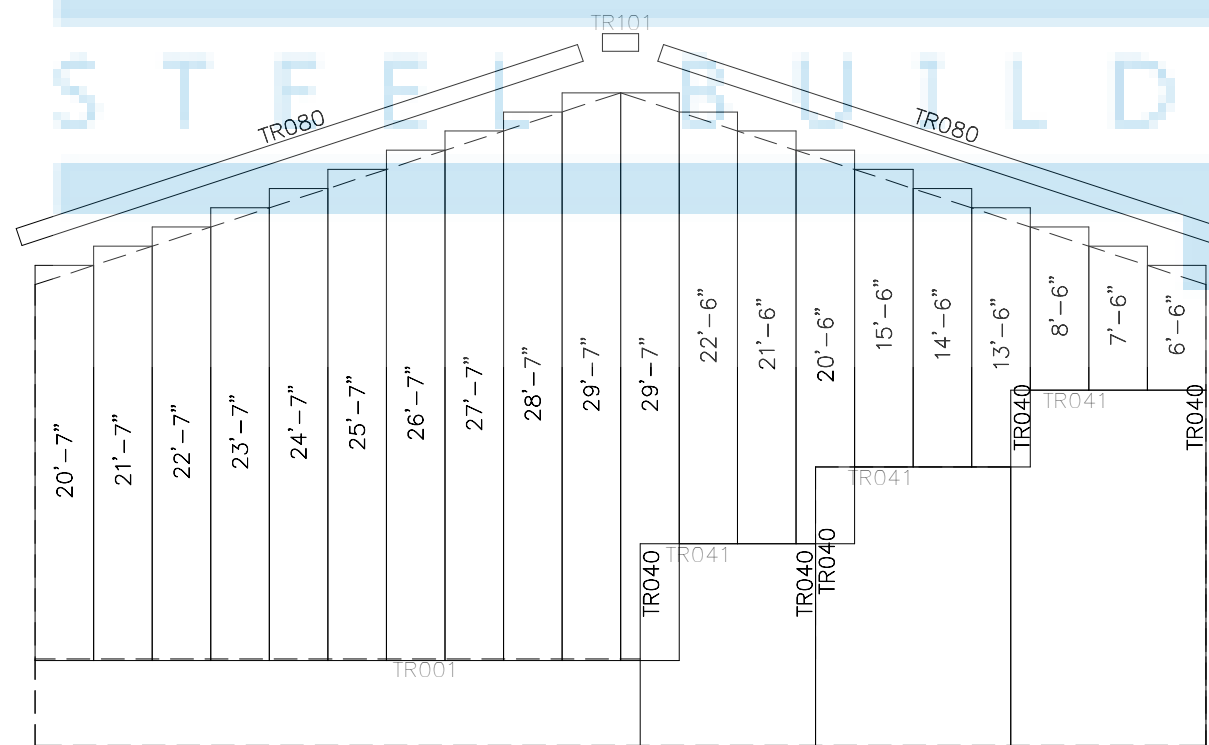
4"  
12



ENDWALL SHEETING & TRIM: FRAME LINE 1  
PANELS: 26 Ga. GBR - NEED COLOR

4"  
12

4"  
12



ENDWALL SHEETING & TRIM: FRAME LINE 7  
PANELS: 26 Ga. GBR - NEED COLOR

GENERAL NOTES:

MINOR FIELD WORK OF STRUCTURAL, SECONDARY AND PANEL/TRIM ITEMS MAY BE NECESSARY TO ENSURE PROPER FIT. SUCH WORK IS CONSIDERED A NORMAL PART OF METAL BUILDING ERECTION. WE WILL NOT HONOR BACKCHARGES FOR MINOR FIELD WORK.

NO.	DATE	ENGR.	DATE	NO.	REVISIONS	MADE	CK'D	DATE	ENGR.	DATE

DRAWING SUBMITTAL STATUS	SCALE	NONE	DATE
<input type="checkbox"/> FOR CONSTRUCTION	DRAWN BY		8/12/19
<input type="checkbox"/> FOR APPROVAL	CHECKED BY	Y	
<input type="checkbox"/> FOR PERMIT ONLY	DESIGN APPD BY		
<input type="checkbox"/> FOR PRELIMINARY			
CAD BY			

CUSTOMER:	
LOCATION: @J194	@J195

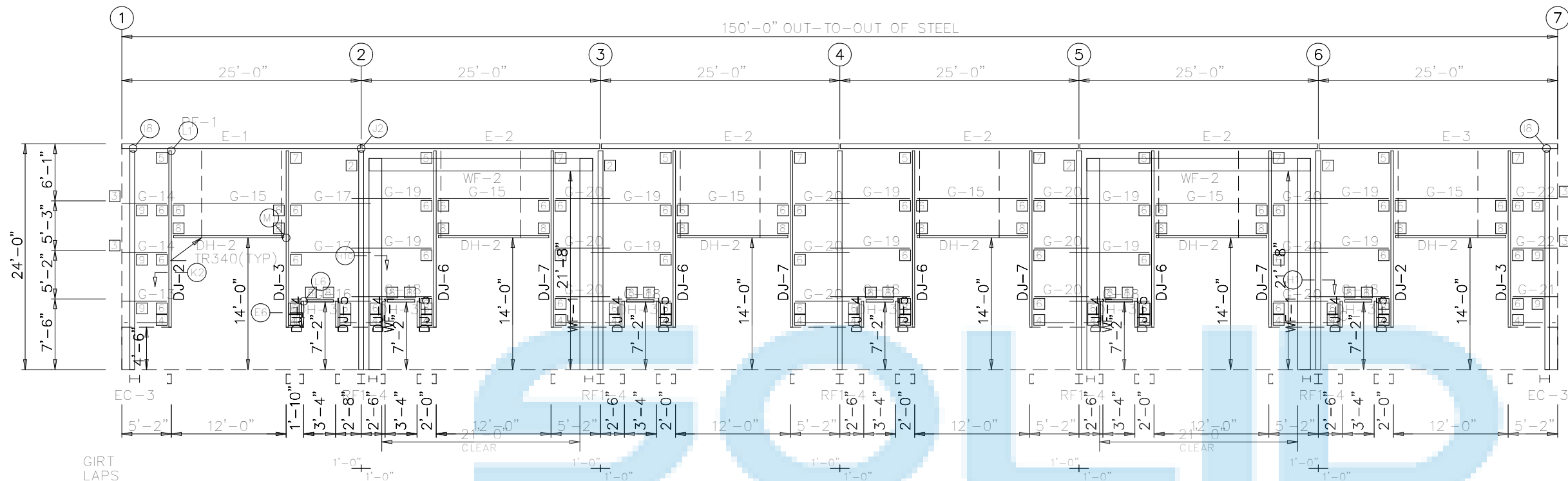
**SOLID**  
STEEL BUILDINGS

DRAWING NUMBER	98Enterprise E-	REV. NO.	0
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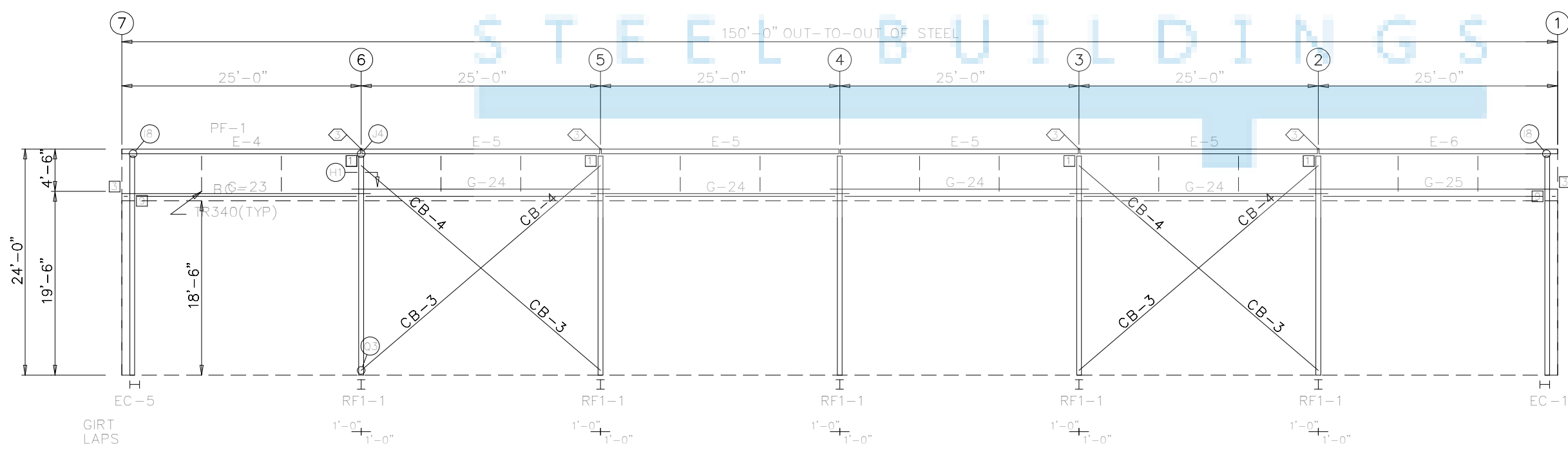
BOLT TABLE				
FRAME LINE A & D				
LOCATION	QUAN	TYPE	DIA	LENGTH
WF-1 - WF-2	8	A325T	5/8"	2 1/4"
WF-1 - RF1-4	8	A325T	5/8"	2 1/4"

SPECIAL BOLTS					
ID	QUAN	TYPE	DIA	LENGTH	WASH
3	3	A325T	1/2"	2"	0

CONNECTION PLATES	
FRAME LINE A & D	
ID	MARK/PART
1	CL154
2	BSC1
3	CL050
4	CL002
5	CL213
6	CL020
7	CL212
8	CL025
9	CL027



SIDEWALL FRAMING: FRAME LINE A



SIDEWALL FRAMING: FRAME LINE D

**GENERAL NOTES:**

MINOR FIELD WORK OF STRUCTURAL, SECONDARY AND PANEL/TRIM ITEMS MAY BE NECESSARY TO ENSURE PROPER FIT. SUCH WORK IS CONSIDERED A NORMAL PART OF METAL BUILDING ERECTION. WE WILL NOT HONOR BACKCHARGES FOR MINOR FIELD WORK.

NO.	DATE	ENGR.	NO.	REVISIONS	MADE	CK'D	DATE	ENGR.	DATE	DRAWING SUBMITTAL STATUS	SCALE	NONE	DATE
										<input type="checkbox"/> FOR CONSTRUCTION <input type="checkbox"/> FOR APPROVAL <input type="checkbox"/> FOR PERMIT ONLY <input type="checkbox"/> FOR PRELIMINARY			

CUSTOMER:	
LOCATION: @J194	@J195
DRAWING NUMBER: 98Enterprise E-	REV. NO. 0





## Color Selection Guide Featuring TRINAR®



02 - SLATE BLUE



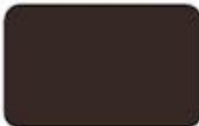
03 - ARCTIC WHITE



04 - CHARCOAL GREY



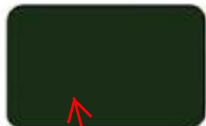
05 - BUCKSKIN TAN



06 - BURNISHED SLATE



07 - PARCHMENT



08 - EVERGREEN



09 - ASH GREY



10 - ANTIQUE RED

Exterior Siding

Roof Panels



11 - CHOCOLATE BROWN



12 - HARBOR BLUE



13 - LIGHT STONE

### TRINAR® 70% Fluoropolymer

This tough, flexible, strongly-bonded finish provides the following benefits:

- Excellent UV resistance • Excellent heat resistance • Excellent chemical resistance • Unparalleled gloss and color retention • Uses only the highest quality ceramic and inorganic pigments for the finest metal finish available
- Resists chalking, fading, chipping and cracking • Resists staining due to airborne pollutants