TO:	Town Plan & Zoning Commission
FROM:	Alter & Pearson, LLC
DATE:	June 16, 2020
RE:	Narrative for 119 Griswold Street – The Barn – §12.9 Change of Use from Retail to Office General and/or Professional with Retail (Eating and Drinking) – Planned Travel Zone

The property is located on the north side of Griswold Street, westerly of the Route 2, Exit 6 off ramp and is $2.049\pm$ acres ($89,254.44\pm$ s.f.). The Site is currently improved with multiple buildings and uses including: a residential house, Griswold Street Antiques, Salon Finesse, All Fence, Mermaid Pool & Spa and the vacant barn. The Applicant is proposing to renovate the barn located at the northern portion of the Site and change its use to short- and long-term office space to be leased by the hour, day, week or month, together with a coffee bar that will service both office customers and be open to the general public.

The Site has two existing curb cuts on Griswold Street, existing paved parking areas on the easterly and westerly areas of the Site and a one-way driveway for deliveries that connects the parking areas in the northern portion of the Site. The paved areas will be striped as indicated on the Site Plan for a total of 67 parking spaces, which exceeds the 45 parking spaces that are required for both the existing and proposed uses. It is anticipated that office customers will enter the Site from the easterly curb cut on Griswold Street and park in the easterly parking lot. The main entrance to the barn is located on the east end of the building. The Applicant will be installing a sign indicating that the driveway to the north of the barn is for deliveries only, encouraging customers to exit back onto Griswold Street through the easterly curb cut. A dumpster is proposed in the northwest corner of the site, which will be enclosed with a vinyl fence.

The Applicant is proposing to activate the outdoor area in the northeast corner of the Site by installing a raised patio with black metal fencing at the southeast corner of the barn and an additional patio across the driveway at the existing flagpole (*a cut sheet of the paver is attached*). The landscape plan was review and approved by the Beautification Committee at its meeting on June 10, 2020. The Applicant incorporated the recommendations of the Committee, and all landscaping details are shown on the Site Plan. The six existing light poles in the easterly parking lot will be replaced with dark-sky compliant light fixtures with a mounting height of 12 feet (*a cut sheet of the fixture is attached*).

The existing exterior materials of the barn will remain, being vertical pine siding (sealed to maintain its current color), stone veneer, vinyl windows and an asphalt shingle roof. Additional windows are proposed on the north and south sides of the building at the private offices to match the existing windows. Two decorative barn style light fixtures will flank each entrance door and wall wash down lighting is proposed at the perimeter of the building (*a cut sheet of both fixtures is attached*). Once renovated, the two-story barn will include 14 offices, 2 conference rooms, 11 cubicles and 6 counter work areas together with lounge type open seating areas for both the coffee bar customers and informal seating for professionals. Please see the plans submitted by Cheryl Newton Architects, LLC, for additional architectural information.

PARKING CALCULATIONS PROVIDED BY CHERYL NEWTON ARCHITECTS LLC

BARN RENOVATION

 BUSINESS USE, OFFICES AND SMALL COFFEE SERVICE 5,190 S.F. / 200 S.F. PER SPACE = 26 SPACES REQUIRED

 PROPOSED OUTDOOR PATIO 24 SEATS AT TABLES / 3 SEATS PER SPACE = 8 SPACES REQUIRED

EXISTING BUILDINGS MERMAID POOLS BUILDING

VAN ACCESSIBLE PROVIDED = 1

FRONT YARD SETBACK

SIDE YARD SETBACK

REAR YARD SETBACK

2,544 S.F. / 2,500 S.F. PER SPACE = 1 SPACE REQUIRED WHOLESALE RETAIL -ANTIQUES BUILDING - 1,920 S.F. STORAGE PLUS 800 S.F. RETAIL = 800 S.F. / 150 S.F. PER SPACE = 6 SPACES REQUIRED HAIRDRESSER - 432 S.F. / 150 S.F. PER SPACE = 3 SPACES REQUIRED HOUSE RESIDENTIAL-1 DWELLING UNIT PER SPACE=1 SPACE REQUIRED

TOTAL PARKING REQUIRED = 45 SPACES TOTAL PARKING PROVIDED = 67 SPACES ACCESSIBLE SPACES = 1 PER 25 PROVIDED ACCESSIBLE SPACES = 2 VAN ACCESSIBLE = 1 PER 6 ACESSIBLE

> ZONE PT ZONING CHART EXISTING REQUIRED MINIMUM LOT AREA 10 ACRES 2.049 A.C. MINIMUM REQUIRED LOT FRONTAGE 400' 275.04' MAXIMUM LOT COVERAGE 12.5% 20%

> > 75'

50'

50'

22.9'

40.7'

28.9'

PROP. DUMPSTER PAD & ENCLOSURE EXISTIN GRAVEL A/C PAD EXIST. BOLLARI BIT. CONC. SHED 12.1 -45 10.2 EXIST. BIT. CONC. 12" RCP CB СВ TF=45.25 TF=45.30 FL=41.76 N/F JOSEPH TOMKIEVICH ASSESSOR #: D4-2760-N0006 99 GRISWOLD STREET EXISTING GRAVEL

IRON PIPE

FOUND

NOTE: VERIFY ALL UTILITY LOCATIONS IN THE FIELD PRIOR TO START OF ANY WORK (SEE NOTE BELOW).

WARNING: THESE PLANS NOT TO BE USED FOR LOCATION OF UNDERGROUND UTILITIES - CALL BEFORE YOU DIG 1-800-922-4455 OR 811 TWO WORKING DAYS BEFORE YOU DIG.

VERTICAL DATUM : NAVD 88 HORIZONTAL DATUM : NAD 83 TOWN OF GLASTONBURY STATION PK HO-12 (632)

REFERENCE MADE TO MAP TITLED:

1. "PROPERTY OF RICHARD H. & EDWARD F. FINK GLASTONBURY, CONN. MEGSON & HYYPPA CIVIL ENGINEERS GLASTONBURY, CONN." SCALE= 1"=40' DATE: 3-5-63 MAP NO. 292-62-2.

2. "PROPERTY BOUNDARY SURVEY THE SHOPPES AT AVALON GRISWOLD AND MAIN STREETS GLASTONBURY, CONN. PLAN PROVIDED BY DUTTON & JOHNSTON, LLC GLASTONBURY, CONN. PREPARED BY PHASE ZERO DESIGN" SHEET 3 OF 24 SCALE= 1"=40' DATE: 7-7-07 REV. 8-10-10 REVS PER UPDATED PLAN OF DEVELOPMENT PROJECT NO. 051079BRE.

TYPE OF SURVEY: ZONING LOCATION BOUNDARY DETERMINATION CATEGORY: DEPENDENT RESURVEY CLASS OF ACCURACY: A-2

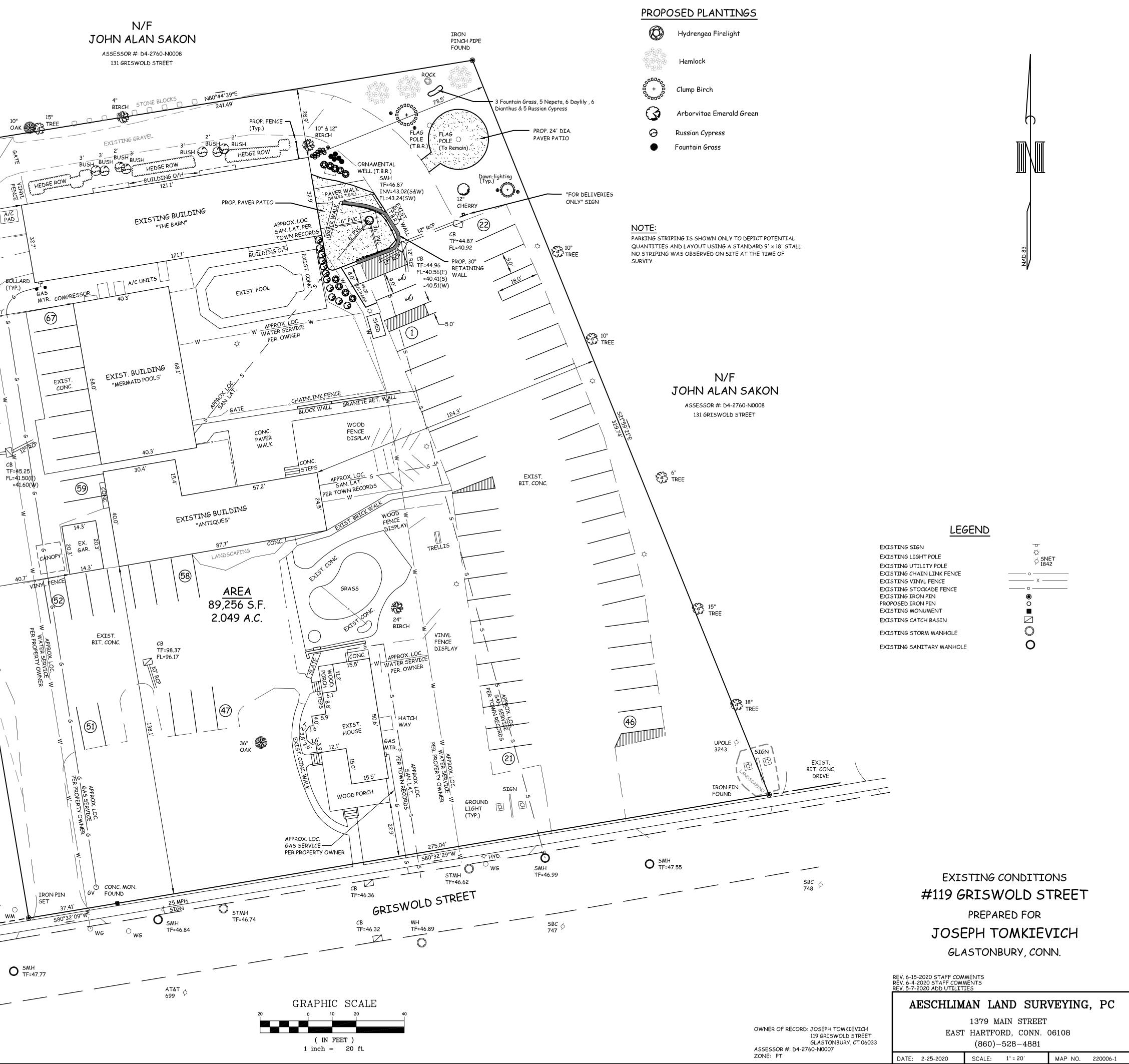
TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON. THIS SURVEY WAS PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTION 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC., ON SEPTEMBER 26, 1996.

Balana SANDS E. AESCHLIMAN L.S. #14201 NOT VALID WITHOUT EMBOSSED SEAL

CL&P

2602 (

CL&P 2602 (OLD)

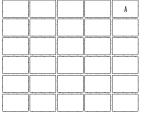




HERA RECTANGLE

DESCRIPTION: Paver TEXTURE: Undulated and Aged

PALLET OVERVIEW - rectangle



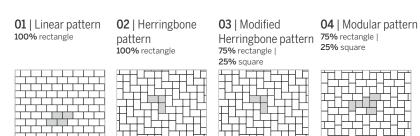


NOTES

See page 44 to 47 for more technical information.

*Harvest gold and Mojave beige are only available in Midwestern USA. See page 13 for list of Eastern and Midwestern States.

Specifications per palle	t	Imp	perial		Metric
Cubing		134	4.20 ft ²	2	12.47 m ²
Approx. Weight		37	23 lbs		1 689 kg
Number of rows		11			
Coverage per row	12.	20 ft ²		1.13 m ²	
Linear coverage per row	Depth	15.	62 lin. f	ft	4.76 lin. m
	Length	23	54 lin.	ft	7.17 lin. m
	t dimensio	ons	in	mm	Units/pallet
	Hei Wi	dth	2 ³ /8 6 ¹ /4 9 ³ /8	60 158 238	330 units 2.47 units/ft² 26.50 units/m²



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material





HERA SQUARE

DESCRIPTION: Paver TEXTURE: Undulated and Aged

PALLET OVERVIEW - square

		A
\square		

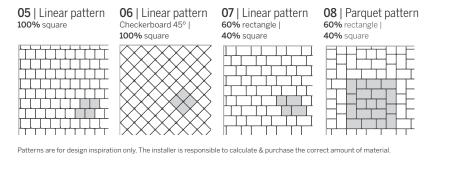


NOTES

See page 44 to 47 for more technical information.

*Harvest gold and Mojave beige are only available in Midwestern USA. See page 13 for list of Eastern and Midwestern States.

Specifications per pallet	Imperial		Metric	
Cubing	124.20 ft	2	11.54 m ²	
Approx. Weight	3 540 lbs		1 606 kg	
Number of rows	11			
Coverage per row	11.29 ft ²		1.05 m ²	
Linear coverage per row	21.88 lin.	ft	6.67 lin. m	
Unit dimens	ions in	mm	Units/pallet	
L W He	ight 2 ³ /8	60	462 units	
W	idth 6 ¹ /4	158	3.72 units/ft ²	
Ler	ngth 61/4	158	40 units/m ²	





E350LED / E360LED EURO SERIES

UL

LISTED

(Vı





7 YEAR 1.0 (ft2) WEIGHT

EPA



WARRANTY

• T5









LUMEN

LIFE SPAN 170 UP TO 100,000 HOURS



JOB NAME

FIXTURE TYPE

MFMO

BUILD A PART NUMBER ORDERING EXAMPLE: 2A-E350LED-SF-12L45T5-MDH07-SV1-FHD/EU1PM/3312P5/BCC/BKT Option Option Option Arm Pole Mounting Ontion Ontion Option Fixture Fitter LED CCT Type Driver Lens Control House Side Shield Finish Term. See Arm See Pole **Config** Control Photocontrol Fuse Receptacle Block Spec Sheets Spec Sheets Mounting Configuration Specifications **Options** (Click here to view accessories sheet) (Click here to view mounting configuration sheet) • R⁵ 3-Pin control receptacle only • 3A90 • R5⁵ 5-Pin control receptacle only • 1W • 2A •1AM Fixture • R7⁵ 7-Pin control receptacle only • PT •2A90 3APT •2AM This medium scale contemporary fixture • 2APT • 450PB • PE⁶ Twist-Lock Photocontrol (120v-277v) • 1A • 4A includes a permanent mold aluminum roof, • PE3⁶ Twist-Lock Photocontrol (347v) 1APT • 3A 4APT fitter and (4) sweeping support legs. The unit PE4⁶ Twist-Lock Photocontrol (480v) W = Wall Mount PT = Post Top APT = Post Top Arm Mid-Mount is provided with an acrylic tapered cylindri-• SC⁶ Shorting Cap A = Arm Mount AM = Arm Mid-Mount PB = Pier Base cal molded lens matching the profile of the • PEC⁷ Electronic Button Photocontrol (120v-277v) support legs (E360LED), or a flat acrylic lens • PEC4⁷ Electronic Button Photocontrol (480v) Fixture allowing for an open body (E350LED). The top • FHD⁸ Double Fuse and Holder E350LED • F360I FD mounted ballast mounting plate shall be cast • TB⁵ Terminal Block aluminum and provide tool-less removal from • HSS 120° House Side Shield Fitter the housing. The Luminaire shall be UL listed ⁵ For use with "UF" utility fitter only. in US and Canada. • SF (Standard Fitter) • UF (Utility Fitter) ⁶ Requires control receptacle. ⁷ For use with "UF" utility fitter, or remote mount on pole. LED ⁸ Ships loose for installation in base Fitter - Standard •16L •12L Cast aluminum fitter slips a 3" OD x 3" tall Arm (Click here to view arm website page) tenon or pole. CCT - Color Temperature (K) See Arms & Wall Brackets specification sheets.

· 27(00) · 35(00) · 45(00)

Type • T4 • T2 • T3

Driver

· MDL071 (120v-277v, 700mA)

- MDL10 (120v-277v, 1000mA)
- MDL14² (120v-277v, 1400mA)
- MDH071 (347v-480v, 700mA)
- MDH10 (347v-480v, 1000mA)
- · MDH142 (347v-480v, 1400mA)

¹ For use with 12L system only. ² For use with 16L system only.

lens

• CA³ (Clear Acrylic)

- FA³ (Frosted Acrylic)
- FL⁴ (Flat Acrylic Lens)
- SG⁴ (Sag Glass)
- FSG⁴ (Frosted Sag Glass)
- SV14 (Flat Soft Vue Medium Diffused Acrylic)
- SV2⁴ (Flat Soft Vue Heavy Diffused Acrylic)

🖉 SternbergLighting

ESTABLISHED 1923 / EMPLOYEE OWNED

³ For use with E360LED only. ⁴ For use with E350LED only

• EUI • HMS • OLS • OMS • VCS • VFS • VLS

Pole (Click here to view pole website page)

See Pole specification sheets.

Finish (Click here to view paint finish sheet)

Standard Finishes⁹

- BKT Black Textured
- WHT White Textured
- PGT Park Green Textured
- ABZT Architectural Medium Bronze Textured DBT Dark Bronze Textured
- ⁹Smooth finishes are available upon request

Custom Finishes¹⁰

- CM Custom Match
- OI Old Iron
- RT Rust
- WBR Weathered Brown • CD Cedar
- WBK Weathered Black
- •TT Two Tone
- ¹⁰ Custom colors require upcharge.

Sternberg Select Finishes

• VG Verde Green

- SI Swedish Iron
- OWGT Old World Gray Textured

Fitter - Utility

The utility fitter shall be heavy wall cast aluminum for high tensile strength. It shall slip a 3" OD x 3" tall tenon or pole. It shall have an entry door that provides open access to all of the components, secured with stainless steel hardware. The fitter shall have an optional terminal block for ease of wiring and an optional Twist-Lock Photocontrol receptacle or button photocell.

LED's

The luminaire shall use high output, high brightness LED's. They shall be mounted in arrays, on printed circuit boards designed to maximize heat transfer to the heat sink surface. The arrays shall be downward facing to minimize up-light. The LED's and printed circuit boards shall be 100% recyclable; they shall also be protected from moisture and corrosion by a conformal coating of 1 to 3 mils. They shall not contain lead, mercury or any other hazardous substances and shall be RoHS compliant. The LED life rating data shall be determined in accordance with IESNA LM-80. The High Performance white LED's will have a life expectancy of approximately 50,000 hours with not less than 70% of original brightness

See next paae

800-621-3376 555 Lawrence Ave., Roselle, IL 60172 info@sternberglighting.com www.sternberglighting.com 8/17 STERNBERG LIGHTING. ALL RIGHTS RESERVED. PRINTED IN THE USA

E350LED / E360LED EURO SERIES



(lumen maintenance), rated at 25°C. The High Brightness, High Output LED's shall be 4500K (3500K or 2700K option) color temperature with a minimum CRI of 70. Consult factory for custom color CCT. The luminaire shall have a minimum ______ (see table) delivered initial lumen rating when operated at steady state with an average ambient temperature of 25°C (77°F).

Optics

The luminaire shall be provided with individual, refractor type optics applied to each LED. The luminaire shall provide Type ____ (2, 3, 4 or 5) light distribution per the IESNA classifications. Testing shall be done in accordance with IESNA LM-79.

Electronic Driver

The LED driver shall be U.L. Recognized. It shall be securely mounted inside the fixture, for optimized performance and longevity. It shall be supplied with a quick-disconnect electrical connector on the power supply, providing easy power connections and fixture installation. It shall have overload as well as short circuit protection, and have a DC voltage output, constant current design, 50/60HZ. It shall be supplied with line-ground, line-neutral and neutralground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines. It shall be dimmable using a O-IOv signal.

For sources over 50w: The driver shall have a minimum efficiency of 90%. The driver shall be rated at full load with THD<20% and a power factor of greater than 0.90. The driver shall contain over-heat protection.

For sources under 50w: The driver shall have a minimum efficiency of 88%.

Photocontrols

Button Style: The photocontrol shall be mounted on the utility fitter or in the pole shaft

on an access plate. The electronic button type photocontrol is instant on with a 5-10 second turn off, and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles. Photocontrol is 120-277 volt and warranted for 6 years.

Twist-Lock Style: The photocontrol shall be mounted in the utility fitter and pre-wired to driver. The twist lock type photocontrol is instant on with a 3-6 second turn off, and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles. Photocontrol is 120-277 volt and warranted for 6 years.

Warranty

Seven-year limited warranty. See product and finish warranty guide for details.

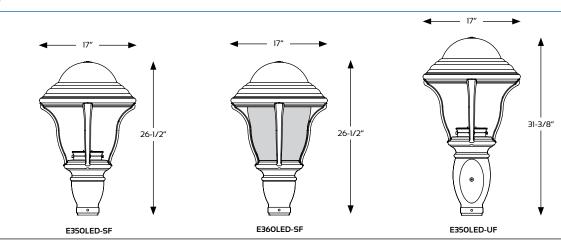
Finish

Refer to website for details.

Performance

MODEL #	T2 DELIVERED LUMENS	EFFICACY (LPW)	T3 DELIVERED LUMENS	EFFICACY (LPW)	T4 DELIVERED LUMENS	EFFICACY (LPW)	T5 DELIVERED LUMENS	EFFICACY (LPW)	WATTAGE
16L27TMDL14	4225	52.2	3945	48.7	3700	45.7	4270	52.7	81
16L35TMDL14	5045	62.3	4715	58.2	4420	54.6	5100	63.0	81
16L45TMDL14	5485	67.7	5125	63.3	4805	59.3	5545	68.5	81
16L27TMDL10	3190	57.0	3005	53.7	2940	52.5	3285	58.7	56
16L35TMDL10	3815	68.1	3595	64.2	3510	62.7	3925	70.1	56
16L45TMDL10	4145	74.0	3905	69.7	3815	68.1	4265	76.2	56
12L27TMDL10	2410	56.0	2290	53.3	2225	51.7	2445	56.9	43
12L35TMDL10	2880	67.0	2735	63.6	2660	61.9	2920	67.9	43
12L45TMDL10	3130	72.8	2975	69.2	2890	67.2	3175	73.8	43
12L27TMDL07	1735	62.0	1640	58.6	1600	57.1	1765	63.0	28
12L35TMDL07	2075	74.1	1960	70.0	1915	68.4	2105	75.2	28
12L45TMDL07	2255	80.5	2130	76.1	2080	74.3	2290	81.8	28

Fixtures





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PRODUCT SPECIFICATIONS

*Image shown may not reflect your configured options



Henry Large Dark Sky Friendly Outdoor Sconce

HUBBARDTON FORGE

Base Item #302713 Configured Item #302713-1004 302713-SKT-75

FINISH Coastal Bronze - 75 LAMPING Incandescent

OPTIONS

FINISH

LAMPING Incandescent

Coastal Black - 10 Coastal Natural Iron - 20 Coastal Gold - 70 Coastal Mahogany - 73 Coastal Bronze - 75 Coastal Dark Smoke - 77 Coastal Burnished Steel - 78

SPECIFICATIONS

Shipping (DIM) Weight

Henry Large Dark Sky Friendly Outdoor Sconce Base Item #: 302713 Configured Item #: 302713-1004 302713-SKT-75

Aluminum direct wire exterior gooseneck wall sconce with finish options. Includes a bulb shield which focuses the light downwards. Designed and built to Dark Sky standards.

- Handcrafted to order by skilled artisans in Vermont, USA
- Lifetime Limited Warranty when installed in residential setting
 Features our robust Coastal Outdoor finish specifically formulated to resist some of the harshest environmental

conditions. Dimensions Height 12.90" Width 14.40" Projection 16.80" Product Weight 2.20 lbs Backplate 5.50" x 4.90" Vertical Mounting Height 4.80" Packed Weight 8.00 lbs

Incandescent Lamping

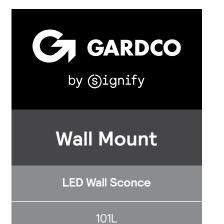
Socket: Medium Bulb: Par20 (wet location), 50W Max Number of Bulbs: 1 (not included) IES Files Available: Y

Location Rating Outdoor Wet

Safety Rating UL, CUL listed

Copyright © 2020 Hubbardton Forge. All Rights Reserved. 800-826-4766 | https://www.hubbardtonforge.com

51.00 lbs





Project:	
Location:	
Cat.No:	
Туре:	
Lamps:	Qty:
Notes:	

Gardco 101 LED wall sconces feature a low-profile design that provides wide flexibility in high performance exterior wall illumination. Full cutoff performance, usable illumination patterns, and powerful wattages combine into a compact and architecturally pleasing design. 101L sconces are available in Type 2, 3, and 4 distributions, and provide output of up to 9500 lumens. Energy saving control options increase energy savings and offer California Title 24 compliance. Emergency Battery Backup option available for path of egress.

Ordering guide

example: 101L-32L-700-NW-G1-3-120-IMRI2-BZ

	Number		LED Color -				Options		
Prefix	of LEDs	Drive Current	Generation	Distribution	Emergency	Voltage	Controls	Electrical	Finish
101L									
101L 101L LED Wall Sconce	16L 16 LEDs (1 module) 32L 32 LEDs (2 module)	530 530 mA 650 650 mA ¹ 700 700 mA 1000 1000 mA 1200 1200 mA 530 530 mA ¹ 650 650 mA ¹ 700 700 mA 1000 1000 mA 1000 1000 mA	Neutral White 4000K, 70 CRI Generation 1 WW-G1 Warm White	 2 Type 2 3 Type 3 4 Type 4 	EBPC Emergency Battery Pack Cold Weather ^{3,4,6,12} Leave blank to omitt an emergency option	 UNV 120-277V HVU 347-480V 120 208 240V 240V 277 277V 347 347V 480 480V 	DD 0-10V Dimming Driver ^{5.6} DCC Dual Circuit Control ^{6.7,8} DynaDimmer: Automatic Profile Dimming CS50 Safety 50% Dimming (7 hours) ^{7,9,10} CM50 Median 50% Dimming (8 hours) ^{7,9,10} DA50 All Night 50% Dimming (9 hours) ^{7,9,10} DA50 All Night 50% Dimming ^{7,9,10} Photoelectric/Receptacle systems (Twist Lock Receptacle systems) TLRD5 Twist Lock Receptacle 5-Pin ¹³ TLRD7 Twist Lock Receptacle 7-Pin ¹³ TLRD7 Twist Lock Receptacle 7-Pin ¹³ TLRD7 Twist Lock Receptacle 7-Pin ¹³ TLRD7 Twist Lock Receptacle V Photocell ^{11,2216} Infrared Motion Response systems IMR12 Integral with #2 lens ^{512,14} IMR13 Integral with #4 lens ^{512,14} Wireless system LLC2 Integral module ^{4,17}	Fusing F1 Single (120, 277, 347VAC) ¹² F2 Double (208, 240, 480VAC) ¹² F3 Canadian Double Pull (208, 240, 480VAC) ¹²	Textured BK Black WH White BZ Bronze DGY Dark Gray MGY Medium Gray Customer specified RAL Specify optional color or RAL (ex: OC-LGP or OC-RAL7024) CC Custom color (Must supply color chip for required factory quote)

1. 650mA only available with Emergency Battery Pack Cold Rated (EBPC) option

- 2. 32L rated for 30°C at 1000mA
- 3. Available for use with 16L and 32L in 530mA or 650mA only. Rated for -20 $^\circ C$ to 35 $^\circ C.$
- 4. Available in 120 or 277V only.
- $5. \ \ Not available with Dual Circuit Control (DCC) option.$

6. EBPC is not available with DCC.

- 7. Not available with Dimming Driver (DD) option.
- Available in 32L with 530mA. Consult technical support center for use with photocell and CS/CM/CE/DA.
- 9. Available in 120-277V (UNV) only.
- Not available with LLC, TLR and DCC.
 Not available with 480V.
- II. Not available with 480
- 12. Must specify input voltage.
- TLRD5/7 option not available with LLC, PCB, DCC. Works with 3 or 5 pin NEMA photocell dimming. Dimming will not be connected to TLR if ordering with DD, CS/CM/CE/DA and IMRI.
- 14. Not available with DD, DCC or LLC.

 LLC2/3 Not available with TLR, PCB, IMRI, CS/CM/CE/DA. Ships with WS accessory attached to wireless module. Not for use with LLCR accessory.

- 16. Not available with PCB, TLRD5/7, DCC, LLC.
- 17. SW option is not available with any other control options with the exception of IMRI2, IMRI3 motion response options.



Luminaire Accessories (order separately)

Mounting accessories

Wall Mount WS Wall Mounted Box for Surface Conduit

System accessories

Wireless system remote mount module LLCR2-(F) #2 lens - specify finish in place of (F) LLCR3-(F) #3 lens - specify finish in place of (F)

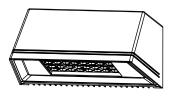
Central Remote Motion Response (used connected to SiteWise main panel)

MS2-A-FVR-3 MS2-A-FVR-7

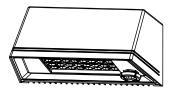
Wireless system remote controller accessory Wireless system offers a remote radio/sensor module that

allows to connected to a Limelight system (sold by other). Remote module can be mounted to wall or pole with j-box supplied. May be specified by choosing one of two different lenses to accommodate a variety of mounting heights/sensor detection ranges. Must specify option DD on luminaires that are planned to be used with remote mount controllers. See page 4 for Wireless system details.

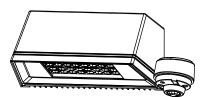
Dimensions

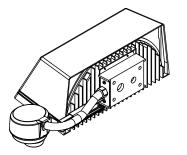


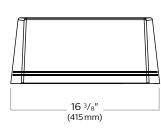
Motion Response

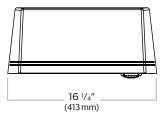


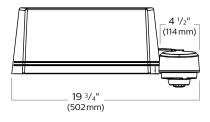
Wireless Controls





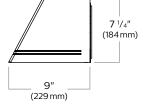


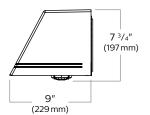


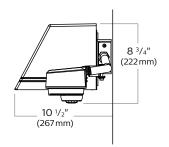


Luminaire Weights

LED Wall Sconce 101L	Weight				
Luminaire	13.5 lbs				
Luminaire - EBPC (EM battery pack)	17.0 lbs				
Luminaire - Integrated system controls 16.3 lbs					







LED Wattage and Lumen Values

		LED		Average		Average		Type 2			Type 3			Type 4	
	LED	Current	Color	System	Lumen	BUG	Efficacy	Lumen	BUG	Efficacy	Lumen	BUG	Efficacy		
Ordering Code	Qty	(mA)	Temp.	Watts ¹	Output ^{1,2}	Rating	(LPW)	Output ^{1,2}	Rating	(LPW)	Output ^{1,2}	Rating	(LPW)		
101L-16L-530-NW-G1	16	530	4000K	28	2944	B1-U0-G0	106	2687	B1-U0-G1	97	2747	B1-U0-G1	99		
101L-16L-700-NW-G1	16	700	4000K	37	3789	B1-U0-G1	103	3458	B1-U0-G1	94	3535	B1-U0-G1	96		
101L-16L-1000-NW-G1	16	1000	4000K	55	5050	B1-U0-G1	92	4609	B1-U0-G1	84	4712	B1-U0-G1	86		
101L-16L-1200-NW-G1	16	1200	4000K	65	5744	B2-U0-G1	89	5242	B1-U0-G2	81	5359	B1-U0-G2	83		
101L-32L-530-NW-G1	32	530	4000K	52	5698	B2-U0-G1	110	5200	B1-U0-G2	100	5316	B1-U0-G2	102		
101L-32L-700-NW-G1	32	700	4000K	70	7242	B2-U0-G1	103	6609	B1-U0-G2	94	6757	B1-U0-G2	96		
101L-32L-1000-NW-G1	32	1000	4000K	107	9797	B2-U0-G1	92	8941	B2-U0-G2	84	9140	B2-U0-G2	86		

LED Wattage and Lumen Values (Emergency Mode)³

Ordering Code	LED Qty	LED Current (mA)	Color Temp.	Ave. System Watts (charging mode)	Type 2	Type 3	Type 4
101L-16L-NW-EBPC	16	N/A	4000K	14	1345	1228	1255
101L-32L-NW-EBPC	32	N/A	4000K	14	1754	1600	1636

 Wattage and lumen output may vary by +/- 8% due to LED manufacturer forward volt specification and ambient temperature. Wattage shown is average for 120V through 277V input. Actual wattage may vary by an additional +/- 10% due to actual input voltage

Lumen values based on photometric tests performed in compliance with IESNA LM-79.

For emergency EBPC option, publish values are based on initial lumens.

Luminaire options

DD: 0-10V dimming driver with leads supplied through back of luminaire (for secondary dimming controls by others).

Dynadimmer Automatic Profile Dimming:

Automatic dimming profiles (CS50/CM50/ CE50) offer safety, median, or economy settings, for shorter or longer duration. Dimming profiles provide flexibility towards energy savings goals while optimizing light levels during specific dark hours. 50% dimming is standard. DA50 offers 50% instantaneous dimming all night (during all dark hours). Other dimming settings are also available if different light levels are required (contact Technical Support for details).

	D	Dimming					
Profile	Schedule	Duration	Level				
Economy	9 PM - 6 AM	9 hours	50%				
Median	10 PM - 6 AM	8 hours	50%				
Safety	11 PM - 6 AM	7 hours	50%				
Reactive 50	all night	dynamic	50%				

TLRD5: Twist Lock Receptacle with 5 pins enabling dimming, can be used with a twistlock photoelectric cell or a shorting cap. Can also be used with third party control system.

TLRD7: Twist Lock Receptacle with 7 pins enabling dimming and additional functionality, can be used with twistlock photoelectric cell or a shorting cap. Can also be used with third party control system. **TLRDPC:** Receptacle with twistlock photoelectric cell (must specify voltage). Receptacle located on top of luminaire housing.

IMRI2, IMRI3: Infrared Motion Response Integral (IMRI). IMRI module is mounted integral to the luminaire door and is available with two different sensor lens types to accommodate various mounting heights and occupancy detection ranges (see charts for approximate detection patterns). Motion response used in combination of Dynadimmer and SiteWise are not programmable and used to override controllers schedule when motion is detected. When used not combined with any controller, IMRI is set/operates in the following fashion: The motion sensor is set to a constant 50%. When motion is detected by the PIR sensor, the luminaire returns to 100% light output. Dimming on low is factory set to 50% with 5 minute default in "full power" prior to dimming back to low. When no motion is detected for 5 minutes, the motion response system reduces the wattage by 50% of the normal constant wattage reducing the light level. IMRI can also be specified with automatic profile dimming for the added benefit of a combined dimming profile with sensor detection, where the PIR sensor will override the dimming profile when occupancy is detected. Passive infrared (PIR) motion sensor, WattStopper FSP-211, equipped with lens choice specified. Available from 120V to 277V input only. Motion sensor off state power is 0.0 watts. The FSP-211 can also be reprogrammed with WattStopper's FS1R-100 remote programming tool accessory.

DCC: Dual Circuit Control permits separate switching of 32L models only, where a quantity of (2) 16 LED modules are controlled independently by use of two sets of leads, one for each module.

SW

SiteWise option is a fully integrated controller that connects to SiteWise system in order to offer a complete area lighting management system. The communication signal is based on patented central dimming technology. SiteWise delivers it deliver optimal energy savings using your site's existing cabling. No additional wiring required, installation and commissioning are simple. An intuitive, mobile app makes it easy for authorized users to set schedules to meet site specific lighting needs, local regulations, and energy codes.

Wireless system: 101L luminaires are available with optional wireless controllers ready to be connected to a Limelight system (sold by other). The system allows you to Wirelessly manage the entire site, independent lighting groups or individual luminaires while on-site or remotely.

Based on a high density mesh network with an easy to use web-based portal, you can conveniently access, monitor and manage your lighting network remotely. Wireless System can be combined with site and area, pedestrian, and parking garage luminaires as well, for a completely connected outdoor.

Luminaire options (continued)

F1: Fusing Single (for 120, 277 or 347VAC)

F2: Fusing Double (for 208, 240 or 480VAC)

F3: Fusing Canadian Double Pull (for 208, 240 or 480VAC)

EBPC: Emergency battery pack is cold weather rated down to -20C (-4F) and integral to the luminaire , allowing for a consistent look between emergency and non-emergency sconces. A separate surface mount accessory box is not required. Dual light engines (32L) are wired in parallel, both operating in emergency mode to meet various redundancy lamp

IMRI2/LLC2/LLCR2

IMRI3/LLC3/LLCR3

24'

requirements. Also available with single light engine (16L). Secondary driver with relay immediately detects AC power loss and powers luminaire for a minimum of 90 minutes from the time power is lost.

0'

10' 20 44 ft

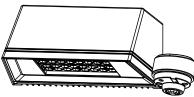
20'

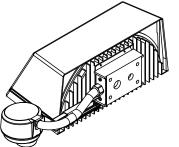
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Infrared Motion Response and Wireless system sensor coverage patterns

LLC2/3 Luminaire mounted controller

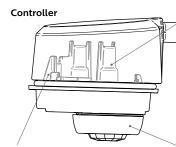
Controller attached to luminaire and Includes radio, photocell and motion sensor with #2 or #3 lens for 8-20' mounting heights.





Remote Mount Wireless Controller

Used to extend the communication on site, to extend motion response and add other luminaires that are not pole mounted Consult factory for more information.



Photocell

- Ambient light photocell on every wireless radio that averages the light levels of up to 5 controllers for an accurate reading and optimal light harvesting activity.
- Reports ambient light readings to 1500 Fc.

Wireless Radio

30

20

10

0'

10' 20

20

10

0

10

20

20'

20' 10'

24'

- 1.8 Watts max (no load draw)
- Operating voltage 120-277 VAC RMS

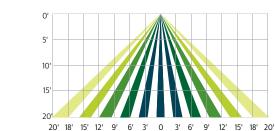
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0

- Communicates using the ZigBee protocol
- Carries out dimming commands from Gateway
- Reports ambient light readings to 1500 Ft-Cd
- Transmission Systems Operating within the band 2400-2483.5Mhz
- ROHS Compliant

Motion Response

- Detects motion through passive infrared sensing technology with three different lens configurations
- Motion sensor coverage can be adjusted from a narrow to a wide detection range, which helps reduce false triggers to further increase energy savings
- Sensing profiles can be updated to adapt to activity levels in the environment, such as occupancy level, wind, and mounting height

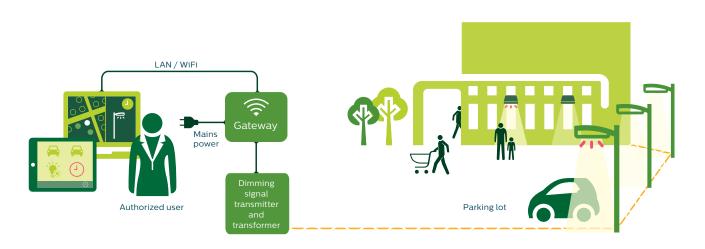


11' 7' 3' 0' 3' 7' 11'

SiteWise system

SiteWise is a complete area lighting management system including a luminaire integrated controller, dimming signal transmitter cabinet, and locally accessible user interface. Installation and commissioning are simple. The cabinet communicates with the luminaires using a patented central dimming technology. The control signal is embedded on the existing electrical line – no new cabling is required. An intuitive, locally accessible interface makes it easy for authorized users to set schedules in order to meet site specific lighting needs, local regulations, and energy codes.

SiteWise system diagram



SiteWise system interface



SiteWise has an intuitive user interface that makes it easy to plan, edit, and implement lighting schedules for your site. Authorized users can access the interface via a local app.

To ensure that only authorized users can access your lighting, SiteWise offers two user types, each with different permissions. An advanced user, or administrator, can set and edit schedules using the ten pre-set scenes, assign those schedules to calendar days, and check system status.

For everyday use, a basic user can manually override a schedule that is currently running but cannot create or edit schedules.

SiteWise system specifications

The SiteWise system includes both luminaires and controls. The controls used for SiteWise are circuit load dependent. Required for a complete installation are the following SiteWise components: user interface, control kit, dimming signal transmitter cabinet, and dimming signal receiver located in the luminaire (**SW** option). Optional luminaire-integrated or external motion sensors may also be specified as required. Within the electrical closet, the control kit and dimming signal transmitter cabinet are installed into the electrical system between the existing breaker panel and the site luminaires. New LED luminaires containing the dimming signal receiver are installed on the site. Once completed, use of the interface allows for scheduling and override capabilities. Wireless access point and tablet should be supplied by others. Complete information on the control system can be found on the SiteWise website at **philips.com/sitewise**

Specifications

Housing

Main body cast housing and back plate made of a low copper die cast Aluminum alloy for a high resistance to corrosion, 0.100" (2.5mm) minimum thickness. Hinged door allows access to driver and LED compartment.

Mounting

Mounting is completed through integral back plate that features a separate recessed feature for hook and lock quick mount plate that secures with two set screws from bottom of luminaire. Mounting plate is located in the center of the luminaire width and 3.5" above the luminaire bottom (lens down position). Luminaire ships fully assembled, ready to install.

Light Engine

Composed of 4 main components: Heat Sink / LED Module / Optical System / Driver. Electrical components are RoHS compliant. IP66 sealed light engines. LEDs tested by ISO 17025-2005 accredited lab in accordance with IESNA LM-80 guidelines extrapolations in accordance with IESNA TM-21. Metal core board ensures greater heat transfer and longer lifespan.

Heat Sink

Integral door/heat sink design made of low copper die cast Aluminum alloy for a high resistance to corrosion.

LED Module

Composed of high performance white LEDs. Color temperature as per ANSI/NEMA bin Neutral White, 4000K nominal (+/- 275K), CRI 70 Min. Available in other color temperatures including Cool White, 5700K and Warm White, 3000K.

SiteWise Network System

SiteWise system includes a controller fully integrated in the luminaire that enables the luminaires to communicate with a dimming signal transmitter cabinet located on site using patented central dimming technology. A locally accessible mobile app allows users to access the system and set functionalities such as ON/OFF, dimming levels and scheduling. SiteWise is available with motion response options in order to bring the light back to 100% when motion is detected. Additional functionalities are available such as communication with indoor lighting and connection to BMS systems.

Hardware

All exposed screws shall be stainless and/or corrosion resistant and captive.

Optical System

The advanced LED optical systems provide IES Types 2, 3, 4. Composed of high performance UV stabilized optical grade polymer refractor lenses to achieve desired distribution optimized to get maximum spacing, target lumens and a superior lighting uniformity. System is rated IP66. Performance shall be tested per LM–63, LM–79 and TM–15 (IESNA) certifying its photometric performance. Dark sky compliant with 0% uplight and U0 per IESNA TM–15.

Driver

High power factor of 90% min. Electronic driver, operating range 50/60 Hz. Auto adjusting universal voltage input from 120 to 277 VAC or 347 to 480 VAC rated for both application line to line or line to neutral, Class I, THD of 20% max. The current supplying the LEDs will be reduced by the driver if the driver experiences internal overheating as a protection to the LEDs and the electrical components. Output is protected from short circuits, voltage overload and current overload. Automatic recovery after correction. Standard built in driver surge protection of 2.5kV (min).

Surge Protection

Each luminaire is provided as standard with surge protector (designed SP1) tested in accordance with ANSI/IEEE C62.45 per ANSI/IEEE C62.41.2 Scenario I Category C High Exposure 10kV/5kA waveforms for Line Ground, Line Neutral and Neutral Ground, and in accordance with U.S. DOE (Department of Energy) MSSLC (Municipal Solid State Street Lighting Consortium) Model Specification for LED Roadway Luminaires Appendix D Electrical Immunity High Test Level 10kV / 5kA.

Wiring (supplied by others)

Splices must be made in the junction box.

Finish

Five standard colors offered in textured black, white, bronze, dark gray and medium gray. Color in accordance with the AAMA 2604 standard. Application of polyester powder coat paint 2.5 mils minimum. The thermosetting resins provides a discoloration resistant finish in accordance with the ASTM D2244 standard, as well as luster retention in keeping with the ASTM D523 standard and humidity proof in accordance with the ASTM D2247 standard. RAL and custom color matching available.

LED Products Manufacturing Standard

The electronic components sensitive to electrostatic discharge (ESD) such as light emitting diodes (LEDs) are assembled in compliance with EC61340-5-1 and ANSI/ESD S20.20 standards so as to eliminate ESD events that could decrease the useful life of the product.

LED Useful Life

Luminaire Useful Life accounts for LED lumen maintenance. Refer to IES files for energy consumption and delivered lumens for each option. Based on ISTMT in situ thermal testing in accordance with UL1598 and UL8750, LED LM-80/TM-21, expected to reach 100,000 + hours with >L70 lumen maintenance @ 25°C.

Certifications and Compliance

cULus Listed for Canada and USA suitable for wet locations when mounted downward facing. cULus Listed for Canada and USA suitable for damp locations when inverted upward facing when mounted in covered ceiling application. Emergency Battery Pack option is tested and listed to UL924 and CSA C22.2 No. 141-10 DesignLights Consortium qualified on models as listed on DLC QPL. Luminaire is rated for operation in ambient temperature of -40°C (-40°F) up to +40°C (+104°F).

Limited Warranty

5-year limited warranty. See bhilips com/ warranties for details and restrictions. Visit our eCatalog or contact your local sales representative for more information.

LED Performance

Predicted lumen depreciation data ¹											
Ambient Temperature (°C)	Driver mA	Calculated L ₇₀ hours ^{1,2}	L ₇₀ per TM-21 ^{2,3}	Lumen Maintenance % @ 60,000 hours							
25°C	up to 1200 mA	>100,000	>60,000	88%							

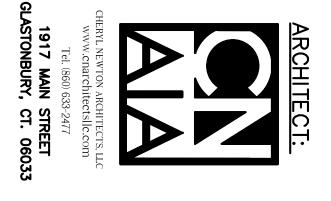
1. Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions.
 L₇₀ is the predicted time when LED performance depreciates to 70% of initial lumen output.
 Calculated per IESNA TM21-11. Published L₇₀ hours limited to 6 times actual LED test hours.

(s)ignify

119 GRISWOLD ST

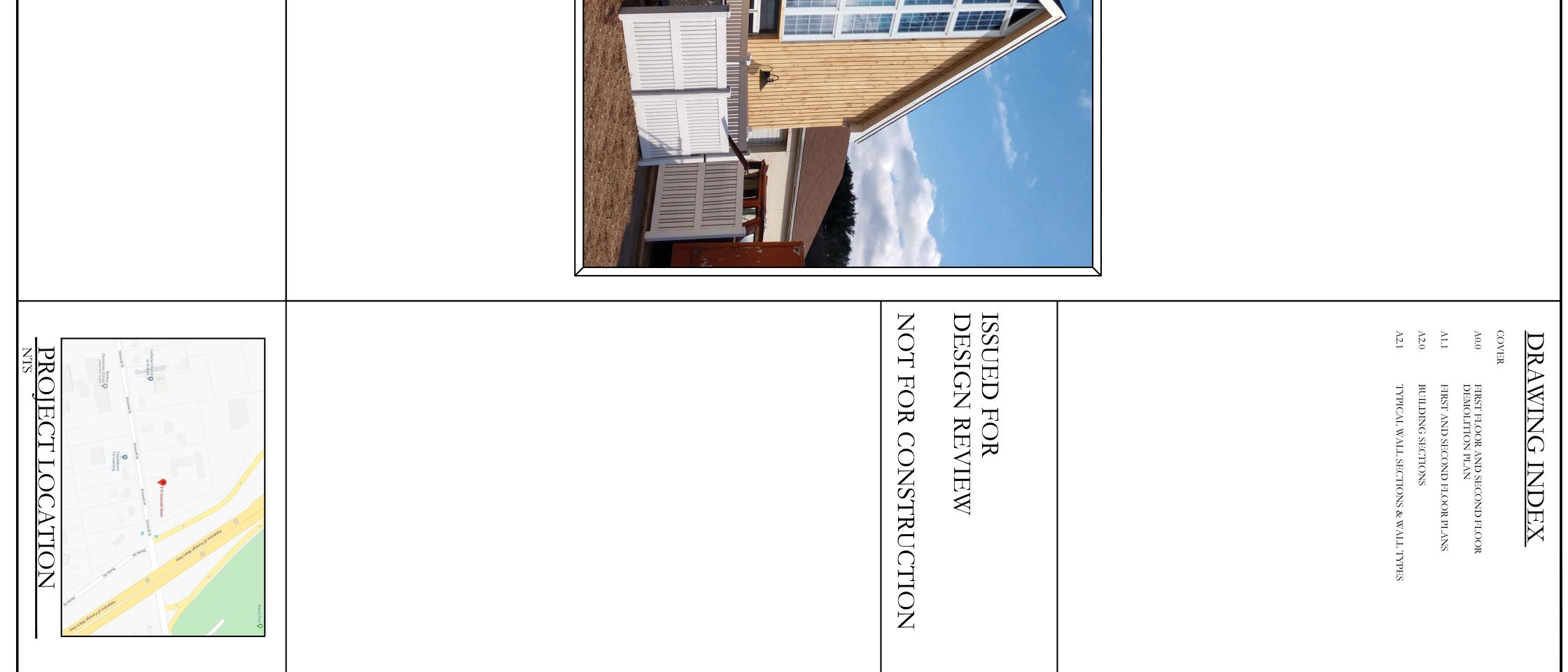


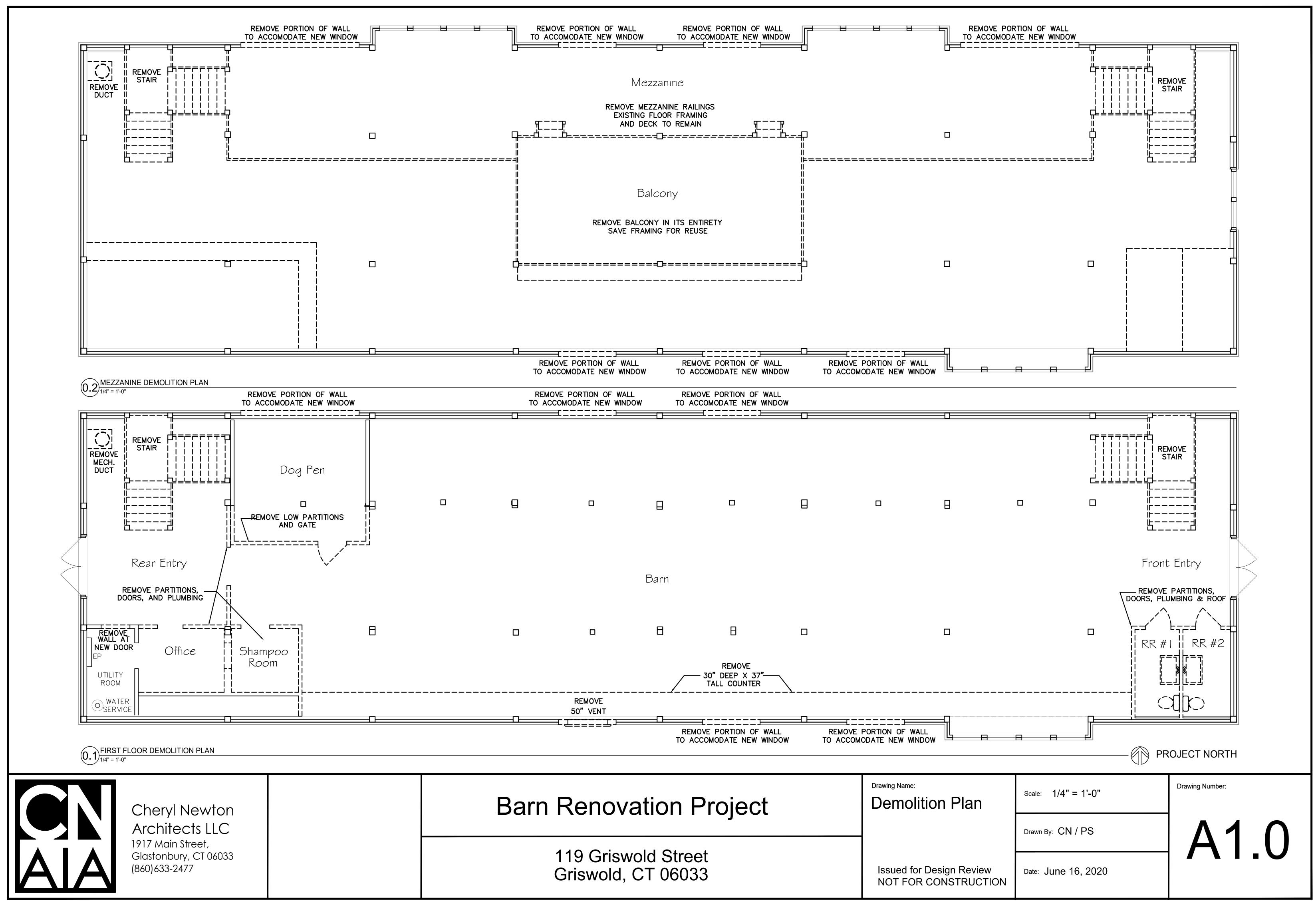




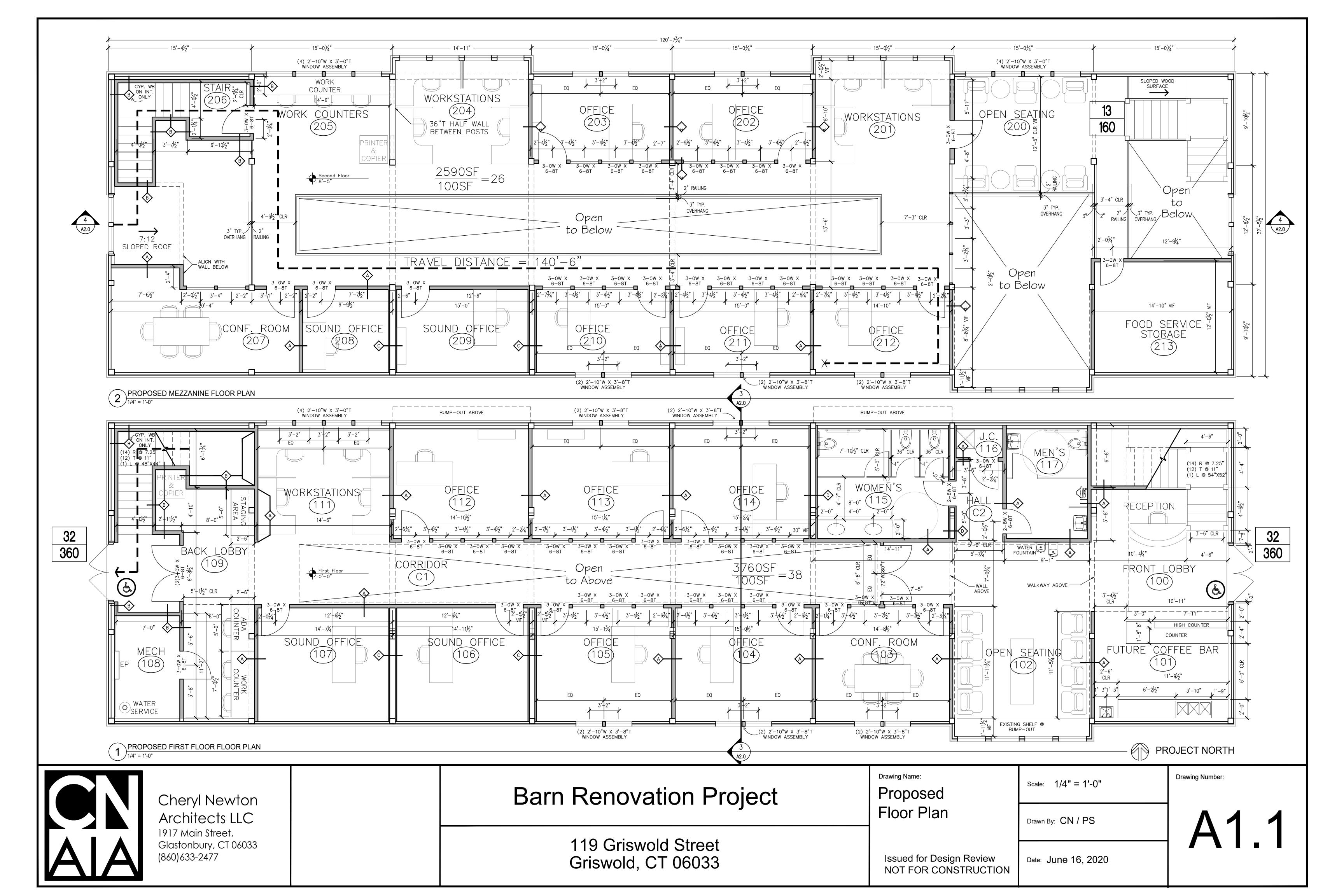
IREET, GLASTONBURY, CT 06033 June 16, 2020

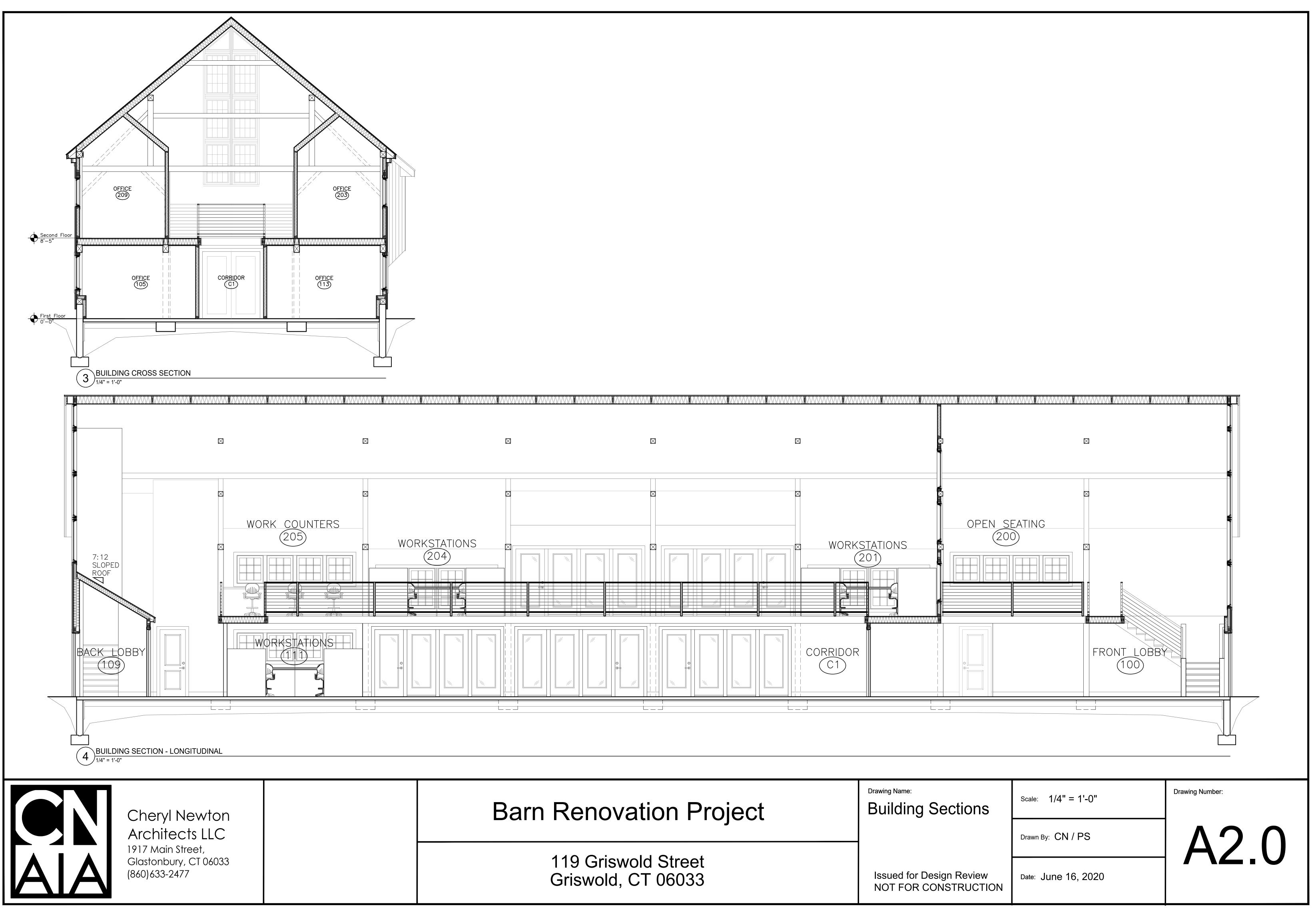
RENOVATION PROJECT

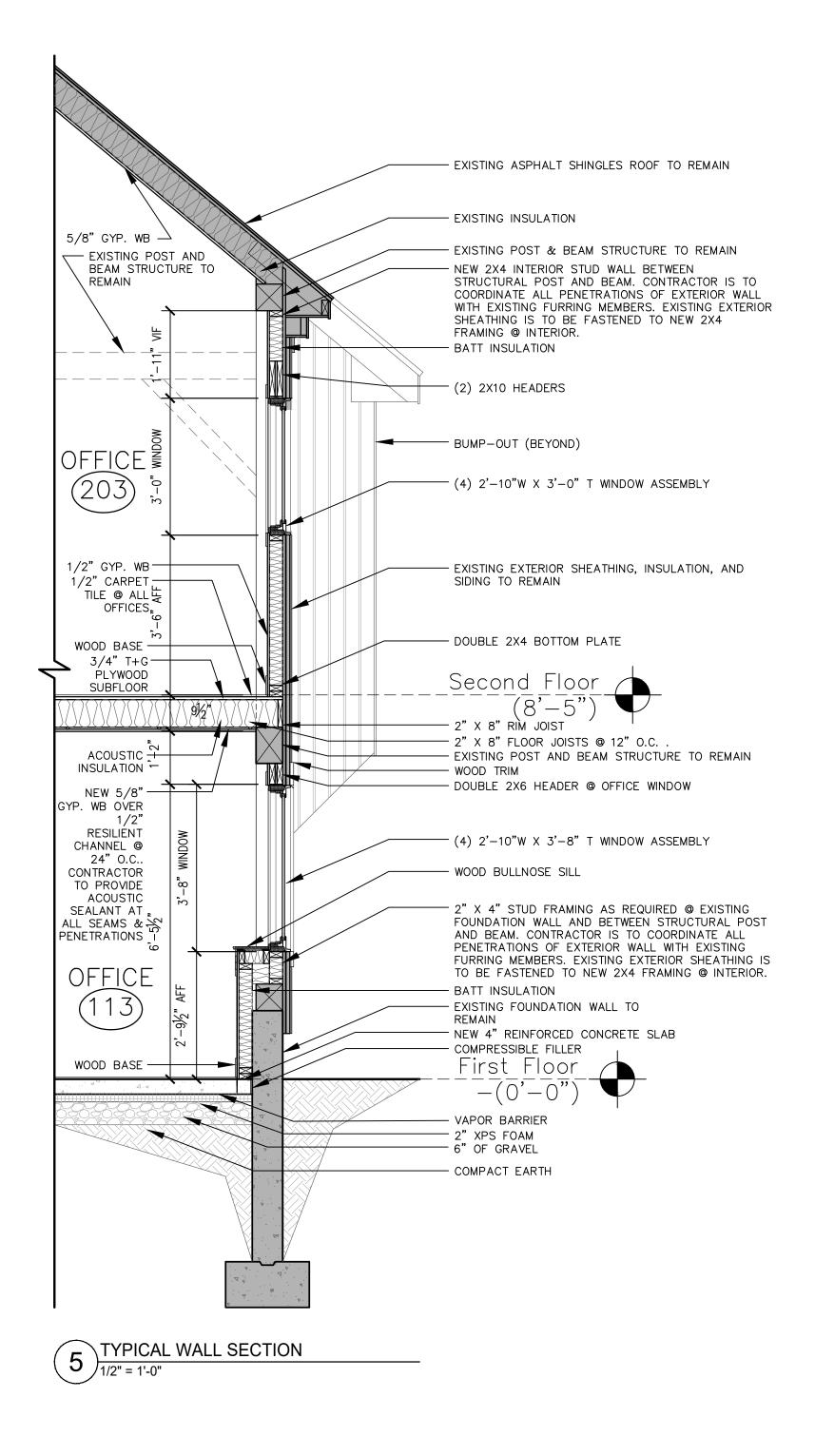




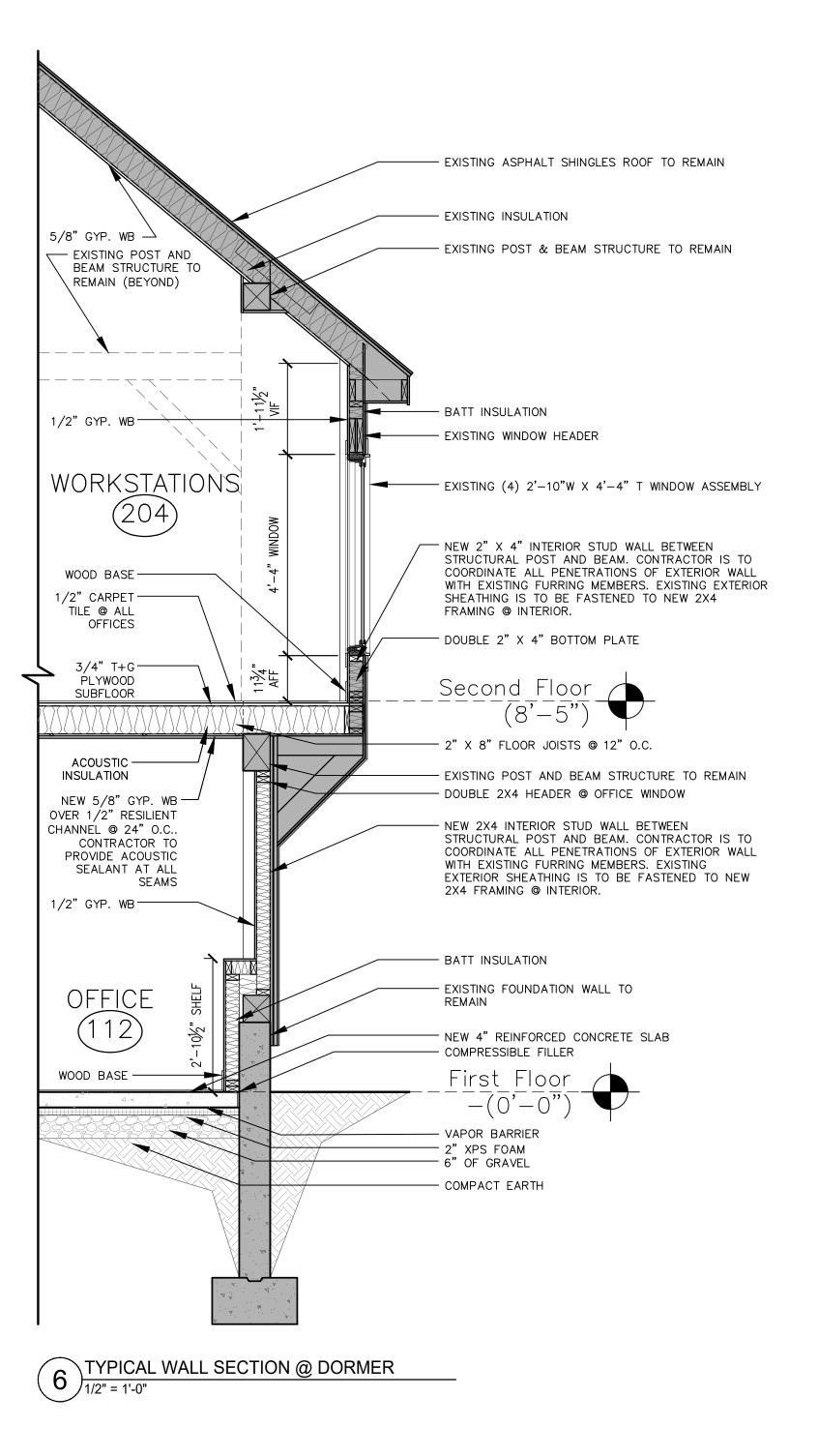
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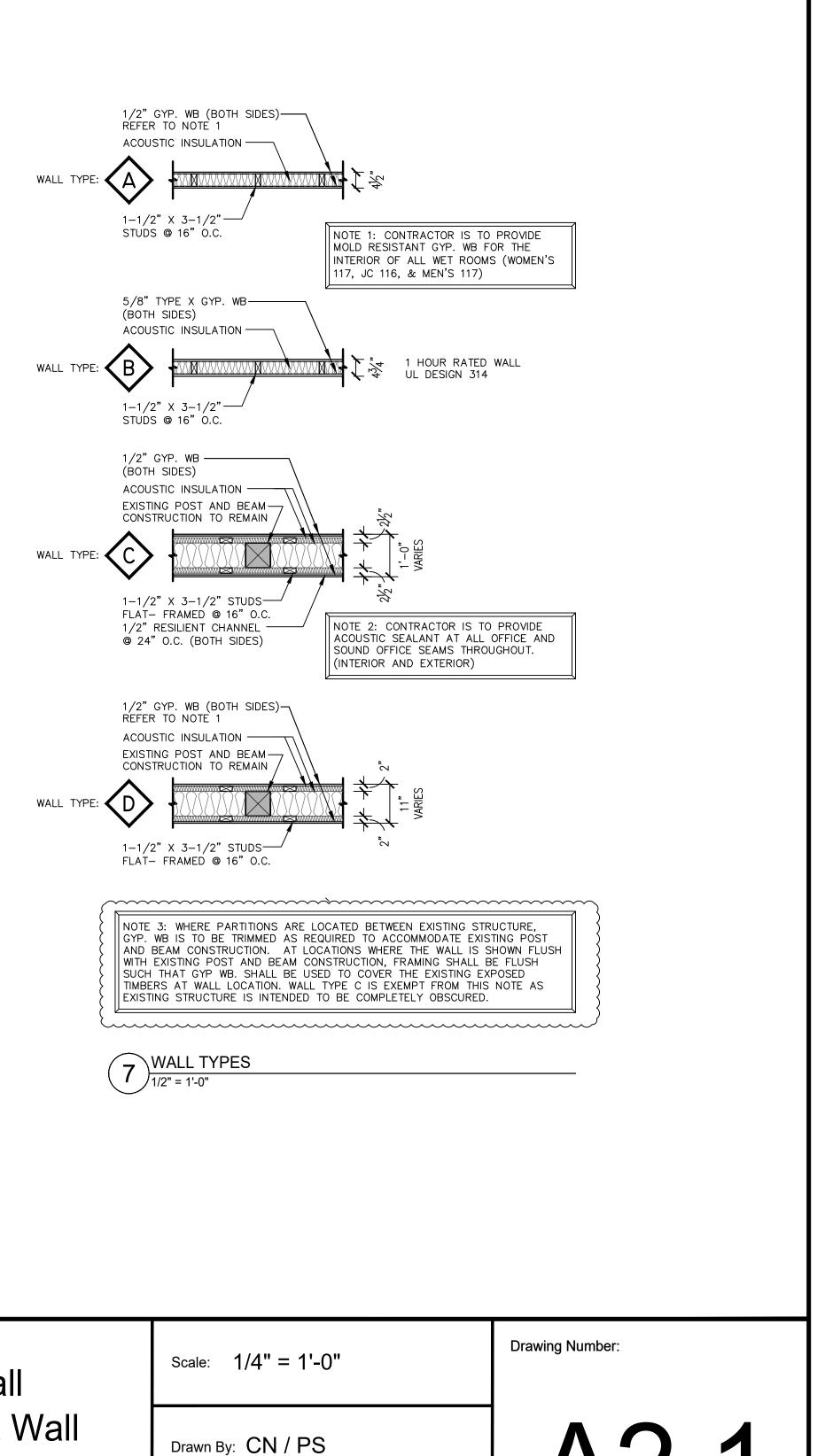








Barn Renovation ProjectDrawing Name:Typical Wall
Sections & Wall119 Griswold Street
Griswold, CT 06033Issued for Design Review
NOT FOR CONSTRUCTION



Date: June 16, 2020