SCOPE OF WORK

THIS PROJECT IS ONLY THE REPLACEMENT OF DAMAGED EXISTING WOOD FLOORING SOFFIT. MATERIAL REPLACEMENT, ACCENT LIGHTING WORK IMPROVEMENT WORK, AND RELATED WORK ARE INDICATED. BUILDING USE, OCCUPANCY, AND CONSTRUCTION TYPE SHOULD NOT BE CHANGED.
GENERAL CONTRACTOR SHOULD CONTROL ALL SAFETY ISSUES BY THE LAWS, BUT NOT LIMITED.

CODE INFORMATION

BUILDING CODE INFORMATION

1. Jurisdiction - DISTRICT OF COLUMBIA
2. Applicable Codes:
   2013 DISTRICT OF COLUMBIA BUILDING CODE
   - 2012 ICC EXISTING BUILDING CODE
   - 2012 ICC BUILDING CODE
   - 2011 NATIONAL ELECTRICAL CODE
3. Building Use and Occupancy: (IBC 302.3.1)
   NO CHANGE. EXISTING TO REMAIN
4. Type of Construction: (IBC 6022, Table 601)
   NO CHANGE. EXISTING TO REMAIN
5. Building Height and Area Allowable (IBC Table 503.):
   NO CHANGE. EXISTING BUILDING HEIGHT AND AREA TO REMAIN
6. Fire Protection Systems (IBC Section 903.):
   NO CHANGE. EXISTING TO REMAIN
7. OCCUPANT LOAD/ EXIT CAPACITY CALCULATIONS: (TABLE 1004.1.2)
   NO CHANGE. EXISTING OCCUPANT LOAD/ EXIT TO REMAIN
8. Length of Access Travel (IBC Table 1015.1).
   NO CHANGE. EXISTING TO REMAIN
9. Fire Resistance of Elements (IBC Table 601)
   NO CHANGE. EXISTING TO REMAIN
10. Minimum fire resistance rating of exterior walls:
    NO CHANGE. EXISTING TO REMAIN
11. Fire Resistive Construction

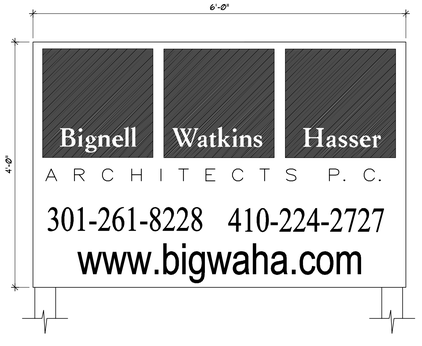
    Wood Treatment:
    All interior and wood blocking - fire retardant treated.
    All roof blocking and copings, etc. - press treated only.

    Firestopping and Draftstopping -
    Horizontal concealed spaces shall be provided without draftstopping since the building is equipped throughout with an approved automatic fire suppression system - (IBC Section 716.4.3)
    Vertical Exits and Passageways -
    Min. Class I, 0-25 flame spread
    Exit Access Corridors -
    Min. Class II, 26-75 flame spread

    Interior Finish and Trim:
    Interior Trim -
    Max. of 10% Class I, II or III where limited above
    Rooms or Enclosed Spaces -
    Min. Class III, 76-200 flame spread
    Floors - Min. requirement of DOC FF-1
    Roof Covering - Min. Class C
12. Fire Protection Systems
    NOT IN SCOPE OF WORK. EXISTING TO REMAIN
13. Building Materials/Construction Methods
    All Building Materials and Construction Methods to be in accordance with IBC and applicable OSHA requirements.
14. Roof Coverage:
    NOT IN SCOPE OF WORK. EXISTING TO REMAIN
15. Protection During Construction: Responsibility of contractor to conform with IBC & other OSHA requirements.
16. Fire Extinguishers
    NOT IN SCOPE OF WORK. EXISTING TO REMAIN
17. This facility shall comply with CABO/ANSI A117.1-1998.
18. Ventilation (1203)
    Ventilate concealed roof spaces. Cross sectioned areas to be 1/150 of horizontal area ventilated.
19. Structural Loads:
    NO STRUCTURAL CHANGES. EXISTING TO REMAIN

BIGWAHA CONSTRUCTION SIGN

1. The contractor shall provide the sign shown below on the construction site at a mutually agreed to location
2. The sign shall be constructed of min 3/4" thick MDO board with white painted background and black copy as shown below
3. The sign shall be freestanding, ground mounted on 4 x 4 white painted, pressure treated posts with sign panel located at a height that is easily visible from the surrounding area
4. The sign may need to be double-faced per Item #1 above.
5. "SIGNS BY TOMORROW", Annapolis location has artwork and specs for this sign (contact: Karen) 410-266-3341



SOFFIT REPLACEMENT
2900 K STREET NORTHWEST
WASHINGTON D.C.

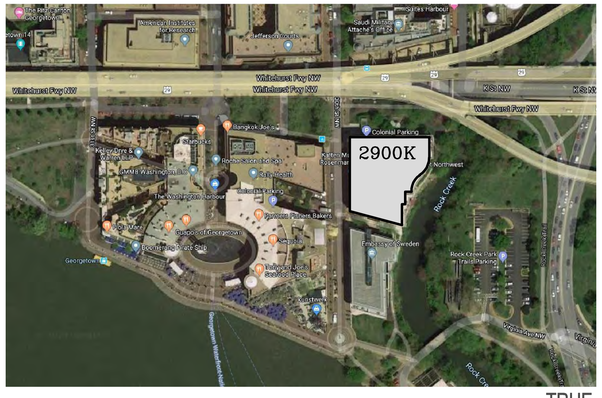
OWNER:

LINCOLN PROPERTY COMPANY
1530 WILSON BOULEVARD, SUITE 200
ARLINGTON, VA 22209
CONTACT: DARREN CORINI
TEL: (703) 284-3370

LIST OF DRAWINGS

ARCHITECTURAL DRAWINGS

SITE INFORMATION



VICINITY MAP/ LOCATION PLAN

TRUE NORTH

GENERAL NOTES

A. CONTRACT DRAWINGS ARE INTENDED TO REPRESENT DESIGN INTENT. DIMENSIONAL ACCURACY IS THE RESPONSIBILITY OF THE CONTRACTORS FOR ALL PHASES INCLUDING BIDDING, FABRICATION, COORDINATION, AND CONSTRUCTION. ANY DISCREPANCIES AND/OR OMISSIONS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION FOR RESOLUTION.

B. CONTRACTORS SHALL BE RESPONSIBLE FOR REMOVING ALL TEMPORARY EQUIPMENT COVERINGS USED DURING CONSTRUCTION AND FOR REMOVING TRASH FROM THE JOB SITE DAILY.

C. ANY AREA OUTSIDE THE LIMITS OF CONSTRUCTION DISTURBED BY OPERATIONS OF THE CONTRACTOR SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE.

D. PROVIDE ADVANCED NOTIFICATION TO THE OWNER AND FACILITY MANAGER OF ANY SHUTDOWN OF UTILITIES (WATER, GAS, ELECTRIC, TELEPHONE, ETC.)

E. COORDINATE ON-SITE LOCATION OF JOB TRAILERS, DUMPSTER, ETC. WITH ANY PHASING OF THE PROJECT AND THE FACILITY MANAGER.

F. ALL WOOD BLOCKING AND FRAMING IN BUILDING TO BE FIRE RETARDANT TREATED. ALL TREATED WOOD BLOCKING SHALL COMPLY WITH THE REQUIREMENTS OF N.F.P.A. 703.

H. COORDINATE REMOVAL, STORAGE OF MATERIALS, ETC. WITH THE FACILITY MANAGER.

G. G.C. MUST PROVIDE ALL SAFETY PROTECTIONS DURING THE CONSTRUCTION PERIOD, AND MUST COORDINATE WITH THE FACILITY MANAGE/ THE OWNER.

K. G.C. MUST NOTICE TO THE FACILITY MANAGE, THE OWNER, AND THE ARCHITECT IF FIND ANY BUILDING DAMAGES, AND MUST PROVIDE DAMAGE CONTROLS UNTIL THE OWNER PROVIDES CONSTRUCTION DECISION.

ARCHITECTURAL ABBREVIATIONS

A.B.	ANCHOR BOLT	D.O.	DOOR OPENING	HT.	HEIGHT	PNL.	PANEL
ACST.	ACOUSTIC	DR.	DOOR	HTG.	HEATING	PTD.	PAINTED
A.F.F.	ABOVE FINISH FLOOR	D.S.	DOUN SPOUT	INSUL.	INSULATION OR INSULATING	R.	RISER OR RADIUS
ALT.	ALTERNATE	DWG.	DRAWING		INCLUDED	RD.	ROOF DRAIN
ALUM.	ALUMINUM	E.H.S.	EXISTING HEAT AND SMOKE VENT	INC.	INVERT	REFR.	REFRIGERATOR
APPROX.	APPROXIMATE	EL.	ELEVATION	INV.	INTERIOR	REINF.	REINFORCEMENT
ARCH.	ARCHITECT OR ARCHITECTURAL	ELEV.	ELEVATOR	INT.	JOINT	REM.	REMOVE
BLDG.	BUILDING	ELEC.	ELECTRICAL	JT.	LOW POINT	REQ'D.	REQUIRED
BLK.	BLOCK	E.W.C.	ELECTRIC WATER COOLER	L.P.	LIGHT	RM.	ROOM
B.M.	BENCH MARK	EXIST.	EXISTING	LT.	MASONRY	SAN.	SANITARY
BM.	BEAM	EXP.	EXPOSED OR EXPANSION	MAS'Y.	MAXIMUM	SECT.	SECTION
B.N.	BULLNOSE	EXT.	EXTERIOR	MAX.	MARKER BOARD	SHT.	SHEET
BRG.	BEARING	EQ.	EQUAL	M.B.	MECHANICAL	SIM.	SIMILAR
BSMT.	BASEMENT	F.D.	FLOOR DRAIN	MECH.	METAL	S.P.	STAND PIPE
BOTT.	BOTTOM	F.E.	FIRE EXTINGUISHER	MET.	MANUFACTURER	SPECS.	SPECIFICATIONS
C.B.	CATCH BASIN	F.E.C.	FIRE EXTINGUISHER CABINET	MFR.	MANHOLE	S.S.	STAINLESS STEEL
C.G.	CORNER GUARD	FIN.	FINISH	M.H.	MINIMUM	STL.	STEEL
C.J.	CONTROL JOINT	FL.	FLOOR	MIN.	MISCELLANEOUS	STRUCT.	STRUCTURAL
CEM.	CEMENT	FND.	FOUNDATION	MISC.	MASONRY OPENING	SUSP.	SUSPENDED
CLG.	CEILING	FTG.	FOOTING	M.O.	MOUNTED	T.	TREAD
C.M.U.	CONCRETE MASONRY UNIT	FURN.	FURNITURE	MTD.	NOT IN CONTRACT	T.B.	TACK BOARD
		FURR.	FURRING	N.I.C.	NOMINAL	T.O.	TRANSFER OPENING
C.O.	CLEAN OUT	GA.	GAUGE	NOM.	NOT TO SCALE	T.O.M.	TOP OF MASONRY
COL.	COLUMN	GALV.	GALVANIZED	N.T.S.	ON CENTER	T.O.S.	TOP OF STEEL
CONC.	CONCRETE	GEN.	GENERAL	O.C.	OUTSIDE DIAMETER	TYP.	TYPICAL
CONST.	CONSTRUCTION	GL.	GLAZED OR GLASS	O.D.	OVERHEAD	V.B.	VAPOR BARRIER
CONT.	CONTINUOUS	GYP.BD.	GYPSUM BOARD	O.H.	OPENING	VERT.	VERTICAL
CONTR.	CONTRACTOR	F.H.C.	FIRE HOSE CABINET	OPG.	OPPOSITE HAND	VIT.	VITRIFIED SEWER PIPE
CTSK.	COUNTERSINK	HDWR.	HARDWARE	OPP'H.	PLASTIC LAMINATE	V.C.T.	VINYL COMPOSITION TILE
DET.	DETAIL	HM.	HOLLOW METAL	PLAS.LAM.	PLATE	WD.	WOOD
D.F.	DRINKING FOUNTAIN	HORIZ.	HORIZONTAL	PL.	PLUMBING	WT.	WEIGHT
DIM.	DIMENSION	H.P.	HIGH POINT	PLUMB.	PLYWOOD	W.W.F.	WELDED WIRE FABRIC
		H.S.	HEAT AND SMOKE VENT	PLYWD.		W/	WITH

DESIGN TEAM

ARCHITECT

Bignell Watkins Hasser
ARCHITECTS P.C.

Annapolis, Md.
ONE PARK PLACE, SUITE 250
ANNAPOLIS, MARYLAND 21401
(410) 224-2727 - ANNAPOLIS AREA
(301) 261-8228 - METRO D.C. AREA
(410) 841-6595 - BALTIMORE AREA
CONTACT: RICH LOESCHKE JR. AIA
CHARLIE GARDENHOUR

PROJECT
SOFFIT REPLACEMENT
2900K STREET NW
WASHINGTON D.C.

PHASE
PERMIT/ BID ISSUE

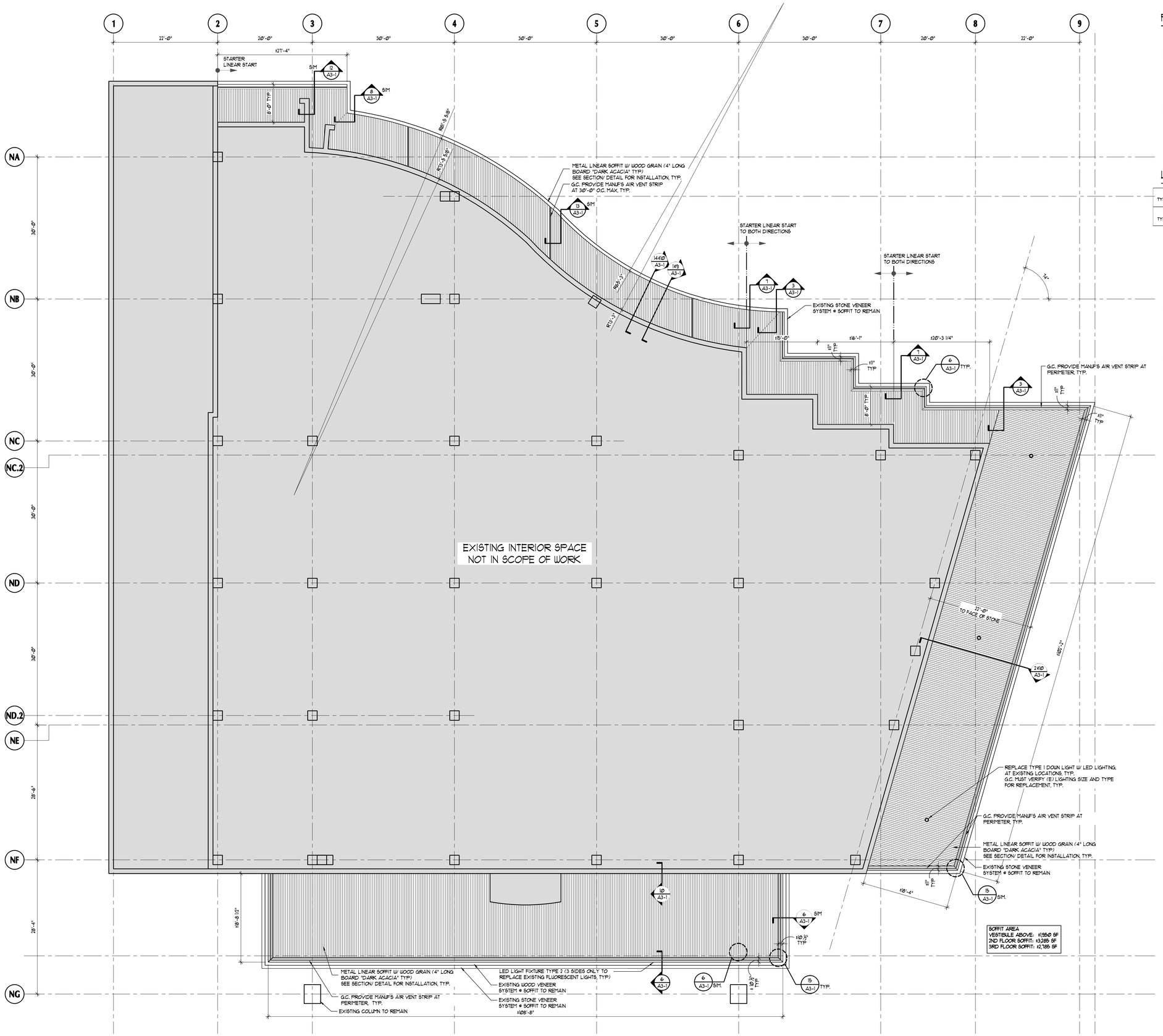
REVISIONS

NO.	DATE	ITEM
	01-31-20	PERMIT/ BID ISSUE

ISSUE DATE
01-31-20

PROJECT NO.
19085.00

CS-1



PLAN LEGEND:

- EXISTING CONDITION TO REMAIN (N.I.C.)
- REMOVE EXISTING WOOD FLOORING SOFFIT PANELS
- EXISTING PLYWOOD CUTTING AREA FOR NEW AIR VENTILATION
- REMOVE EXISTING LIGHTING/ AIR VENT
- NEW METAL LINEAR SOFFIT PANEL LONGBOARD 4" "V" GROOVE PANEL: DARK ACACIA
- NEW AIR VENT STRIP LONGBOARD 2 1/2" AIR VENT STRIP: DARK ACACIA
- NEW/ REPLACED LIGHTING FIXTURE LED LIGHT BULB

LIGHT FIXTURE SCHEDULE:

TYPE 1	DOWNLIGHT	LED WARM WHITE	3 EA.	LEVITON - INTENSE LIGHTING 55/4/40RL/4778/ IC4/SC 120/277V (VERIFY EXISTING)
TYPE 2	STRIP/ROPE	LED WARM WHITE	150' LF	Q TRAN LED- 6WD4/15-DRY-27 W/ 6LM-B2-96T-DF

CONSTRUCTION NOTES:

1. G.C. MUST COORDINATE DEMOLITION WORK FOR NEW CONDITION, TYP. U.N.O.
2. G.C. MUST INSTALL NEW ADDITIONAL SCREWS @ 16" O.C. TO EXISTING PLYWOOD TO EXISTING FRAMES, TYP. U.N.O.
3. INSTALL NEW METAL LINEAR SOFFIT PANEL PER PLAN AND NOTE.
4. G.C. MUST VERIFY BUILDING CONSTRUCTION JOINT LOCATIONS FOR NEW AIR VENT STRIP LOCATIONS. G.C. MUST INSTALL AT LEAST (1) AIR VENT STRIP BETWEEN CONSTRUCTION JOINTS, TYP. U.N.O.
5. REPLACE EXISTING LIGHTING FIXTURE WITH TYPE 1. TOTAL 3 LIGHTING FIXTURES.
6. INSTALL NEW WATER PROOF LED STRIP/ ROPE LIGHTING, TYPE 2, ABOVE VESTIBULE AREA. SEE PLAN AND DETAIL, TYP.

1 2ND FLOOR SOFFIT PLAN - NEW
SCALE: 1/8" = 1'-0"

Bignell Watkins Hasser
ARCHITECTS P.C.

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Virginia: (703) 288-3320
VA Fax: (703) 288-4211
Website: www.bigwaha.com

Revisions

#	Date	
	01/31/20	PERMIT/ BID ISSUE

Client:
HARBOURSIDE DEVELOPMENT

Location:
2900 K STREET NW
WASHINGTON, DC

Project:
SOFFIT REPLACEMENT

2ND FLOOR NEW SOFFIT PLAN

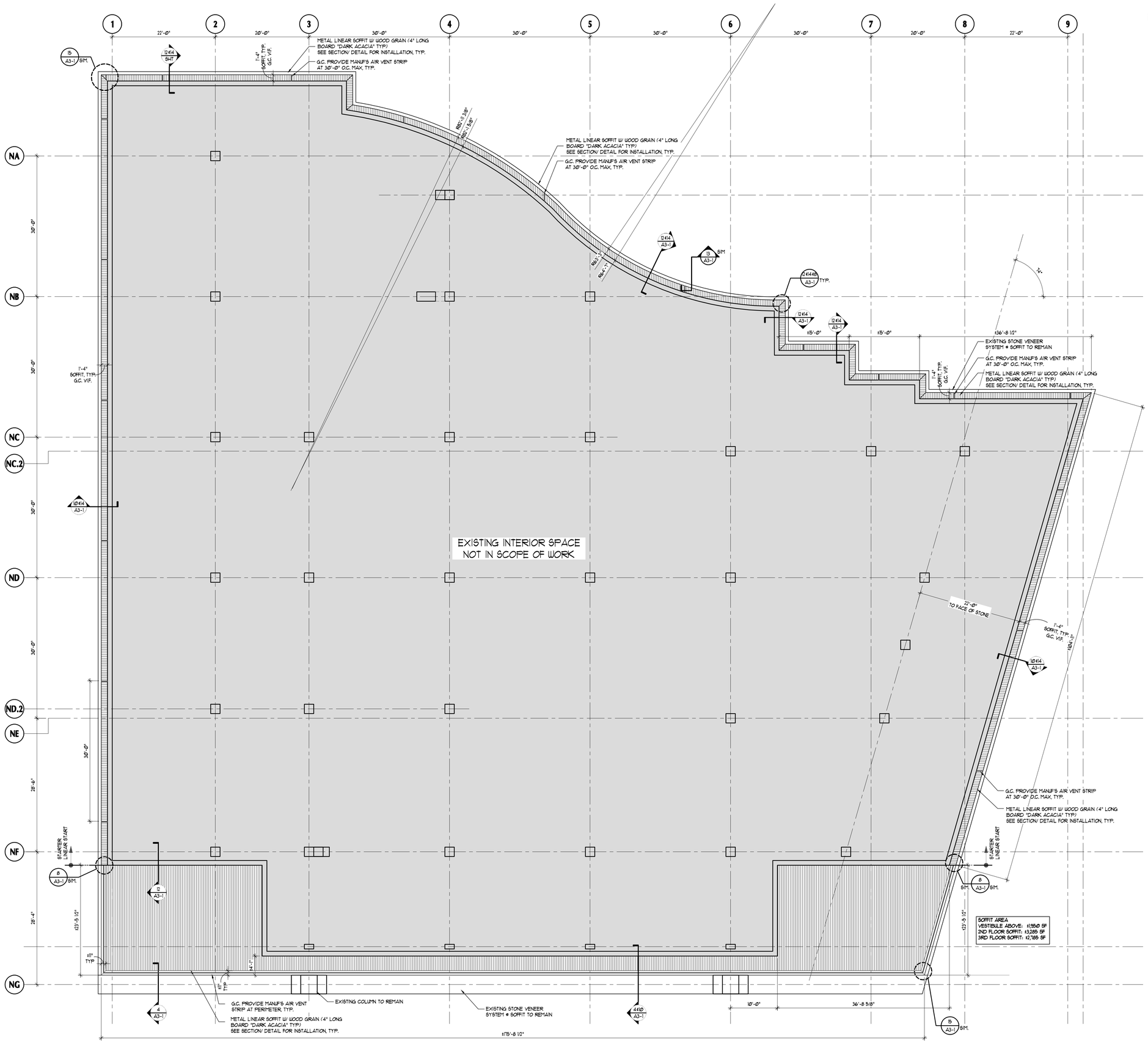
Drawn by: YJP

Project No.: 19085.00

Date: 01-31-20

DISTRICT OF COLUMBIA
JOHN A. WATKINS
4-16-20
REGISTERED
ARCHITECT

A-1.2



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1 3RD FLOOR SOFFIT PLAN - NEW
SCALE: 1/8" = 1'-0"

Bignell Watkins Hasser
ARCHITECTS P.C.

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Revisions

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	01/31/20	PERMIT/ BID ISSUE

Client:
HARBOURSIDE DEVELOPMENT

Location:
2900 K STREET NW WASHINGTON, DC

Project:
SOFFIT REPLACEMENT

3RD FLOOR NEW SOFFIT PLAN

Drawn by: YJP

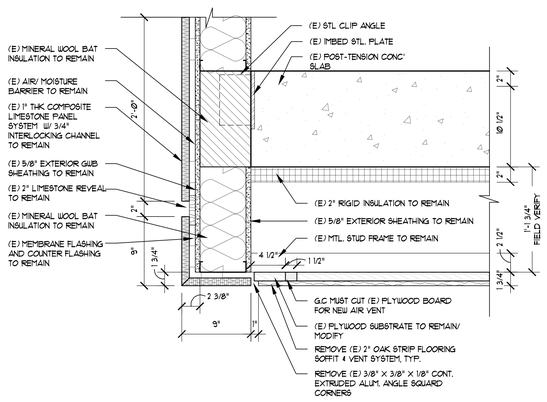
Project No.: 19085.00

Date: 01-31-20

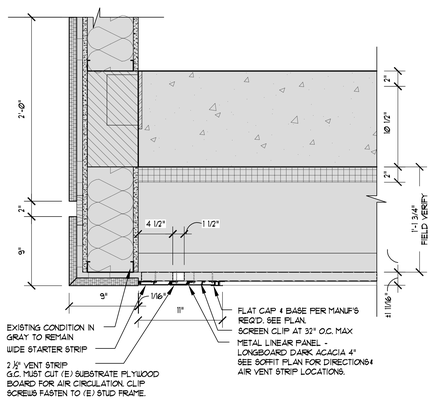
DISTRICT OF COLUMBIA — JESSE N. HILL — 4-16-20 — REGISTERED ARCHITECT

A-1.3

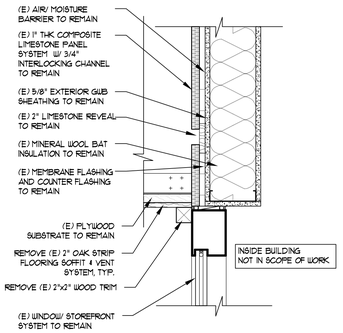
1 EXISTING SOFFIT CONDITION
SCALE: 1 1/2" = 1'-0"



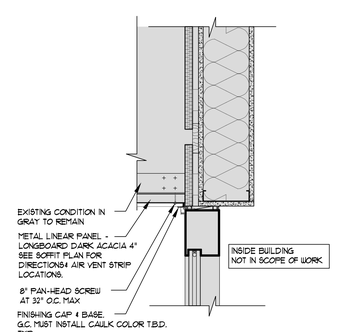
2 NEW SOFFIT DETAIL
SCALE: 1 1/2" = 1'-0"



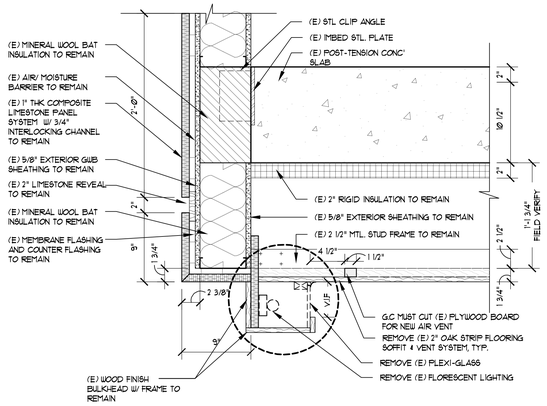
9 EXISTING SOFFIT CONDITION
SCALE: 1 1/2" = 1'-0"



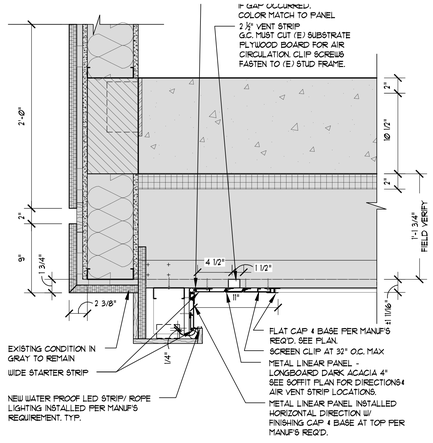
10 NEW SOFFIT DETAIL AT FINISHING CAP
SCALE: 1 1/2" = 1'-0"



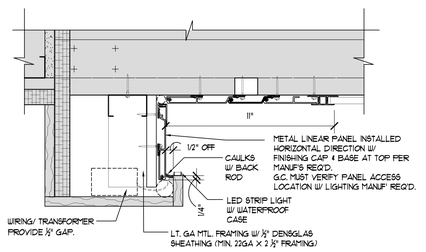
3 EXISTING SOFFIT CONDITION
SCALE: 1 1/2" = 1'-0"



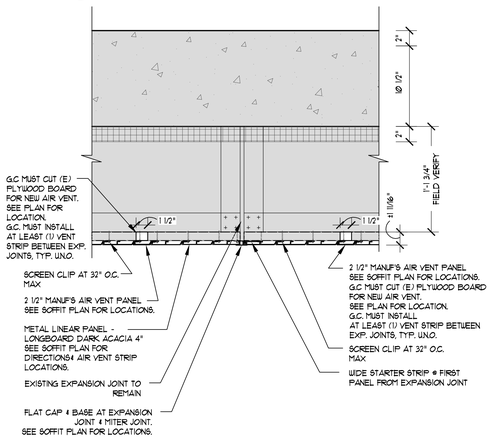
4 NEW SOFFIT DETAIL
SCALE: 1 1/2" = 1'-0"



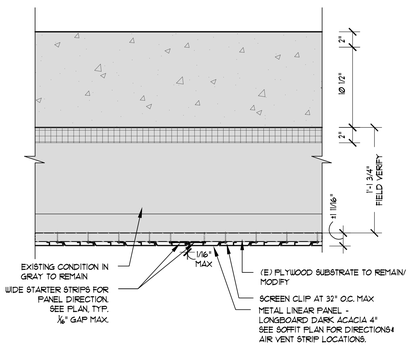
11 EXISTING SOFFIT CONDITION
SCALE: 1 1/2" = 1'-0"



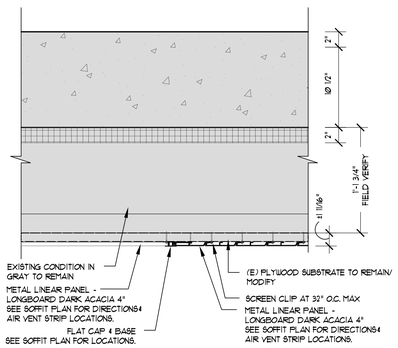
12 NEW SOFFIT DETAIL-FINISHING CAP
SCALE: 1 1/2" = 1'-0"



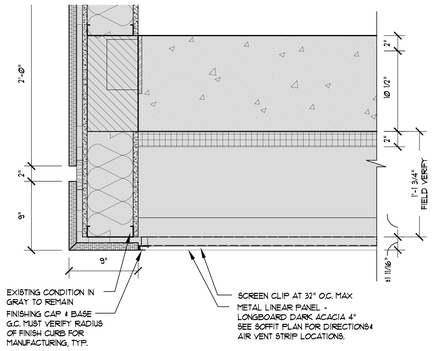
5 EXISTING SOFFIT CONDITION
SCALE: 1 1/2" = 1'-0"



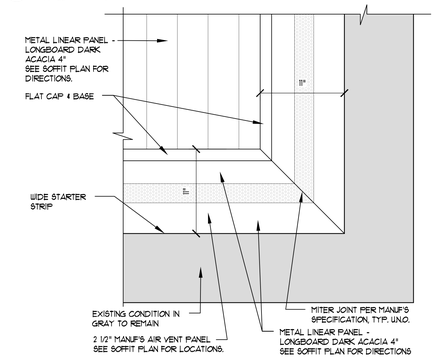
6 NEW SOFFIT DETAIL
SCALE: 1 1/2" = 1'-0"



6A COVE LIGHTING SOFFIT DETAIL
SCALE: 3" = 1'-0"



13 NEW SOFFIT EXPANSION JOINT DETAIL
SCALE: 1 1/2" = 1'-0"



7 NEW SOFFIT DETAIL AT STARTER STRIPS
SCALE: 1 1/2" = 1'-0"

8 NEW SOFFIT DETAIL AT FLAT CAP
SCALE: 1 1/2" = 1'-0"

14 NEW SOFFIT DETAIL
SCALE: 1 1/2" = 1'-0"

15 NEW SOFFIT DETAIL
SCALE: 1 1/2" = 1'-0"

Bignell Watkins Hasser
ARCHITECTS P.C.

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Revisions

#	Date	
	01/31/20	PERMIT/ BID ISSUE

Client:
HARBOURSIDE DEVELOPMENT

Location:
2900 K STREET NW WASHINGTON, DC

Project:
SOFFIT REPLACEMENT

TYPICAL SOFFIT DETAILS

Drawn by

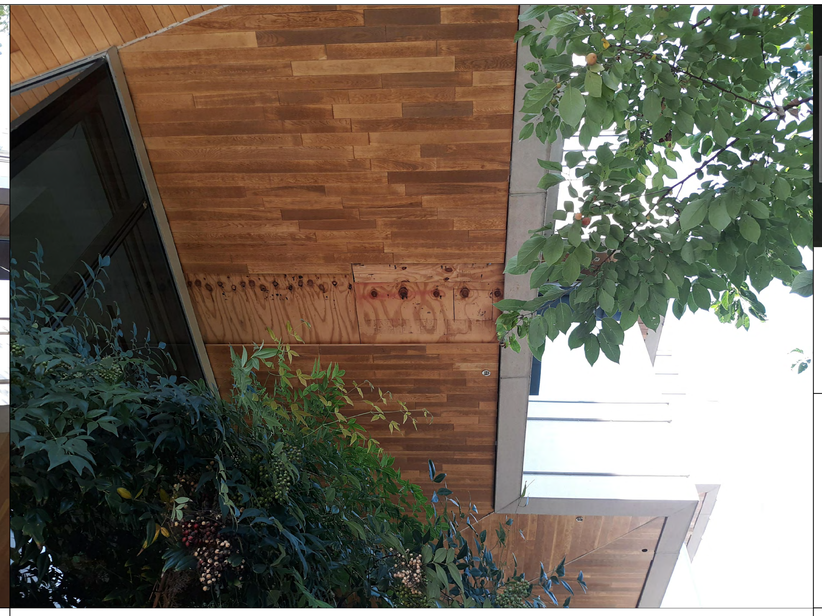
Project No. 19085.00

Date 01-31-20

DISTRICT OF COLUMBIA — 4-16-20 — REGISTERED ARCHITECT

A-3.1

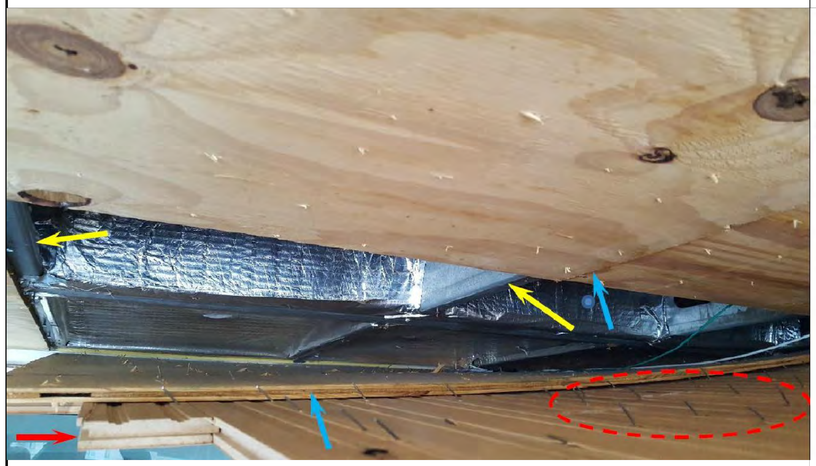
SOFFIT FINISH FALLEN AREA WEST SIDE



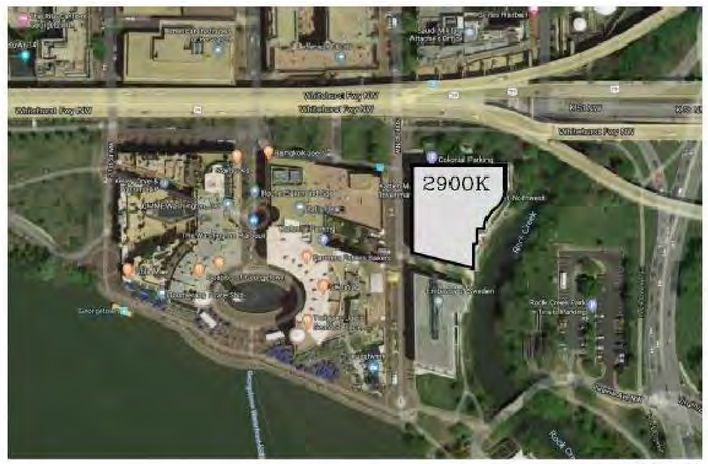
SOFFIT FINISH FALLEN AREA AT EAST SIDE

NEW SOFFIT FINISH SYSTEM 4" V-GROOVE PLANK
(DARK ANTIQUE OAK)
SEE A3-1 FOR INSTALLATION

NEW ELECTRICAL FIXTURES



EXISTING SOFFIT FINISH INSTALLED WITH FLOOR FINISH MATERIAL AND FLOOR INSTALLATION METHOD.
NAILS COULD NO LONGER HOLD MATERIAL IN PLACE.



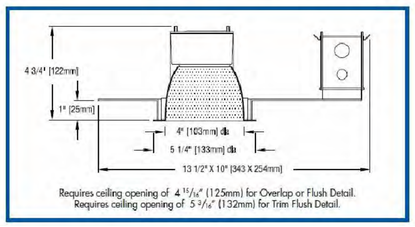
VICINITY MAP/ LOCATION PLAN

TRUE NORTH

SLIM
EXTRUSIONS - ALUMINUM
Model: iQA

STRIP LED LIGHTS FOR COVE LIGHTING AT ENTRY CEILING. SEE DETAIL 6 & 6A/ A3-1

VALUE DL/4
recessed LED downlight
MOST AFFORDABLE - MOST AFFORDABLE - MOST A



REPLACE EXISTING DOWNLIGHT WITH LED BULB

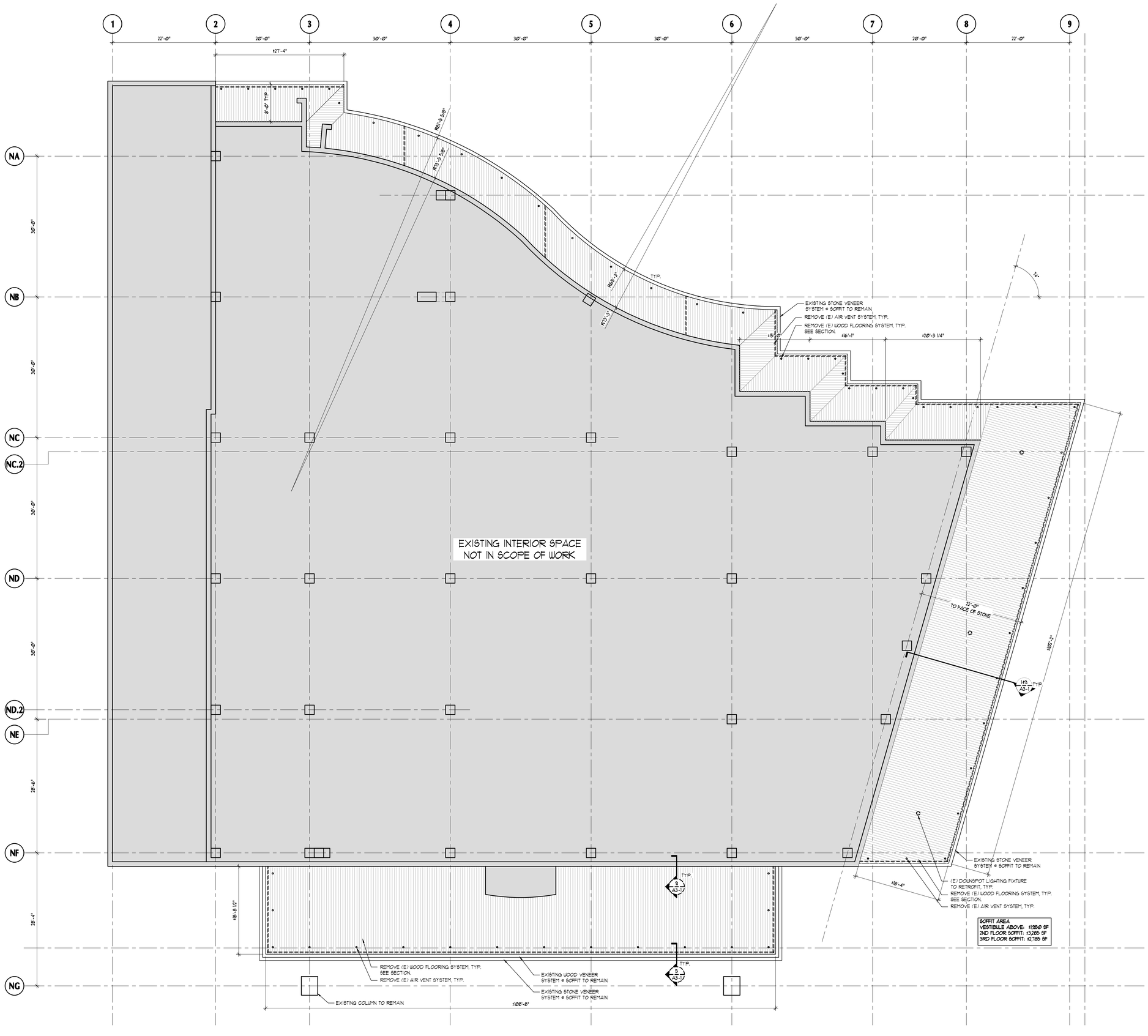
Bignell Watkins Hasser
ARCHITECTS P.C.
Annapolis, Md.

EXISTING CONDITIONS & NEW EQUIPMENT INFORMATION (REFERENCE)

SOFFIT REPLACEMENT 2900 K STREET, NORTHWEST WASHINGTON D.C.

DISTRICT OF COLUMBIA
ADEL A. NUR
4.16.20
ARC 4497
REGISTERED
ARCHITECT

PROJECT:	19085.00
DATE:	01/30/20
SCALE:	N.T.S.
	A4-1



PLAN LEGEND:

- EXISTING CONDITION TO REMAIN (N.I.C.)
- REMOVE EXISTING WOOD FLOORING SOFFIT PANELS
- EXISTING PLYWOOD CUTTING AREA FOR NEW AIR VENTILATION
- REMOVE EXISTING LIGHTING/ AIR VENT
- NEW METAL LINEAR SOFFIT PANEL LONGBOARD 4" "V" GROOVE PANEL: DARK ACACIA
- NEW AIR VENT STRIP LONGBOARD 2 1/2" AIR VENT STRIP: DARK ACACIA
- NEW/ REPLACED LIGHTING FIXTURE LED LIGHT BULB

DEMOLITION NOTES:

1. REMOVE ALL EXISTING EXTERIOR WOOD FLOORING SOFFIT, TYP. U.N.O.
2. REMOVE ALL EXISTING AIR VENT CAPS, SOFFIT LIGHTING FIXTURES, G.C. MUST REMAIN POWER LINES FOR NEW/ REPLACED FIXTURES. SEE NEW CONSTRUCTION WORK, TYP.
3. CUT EXISTING PLYWOOD SUBSTRATE FOR NEW AIR VENT STRIP LOCATION PER DETAILS AND NOTE.

1 2ND FLOOR SOFFIT PLAN - DEMOLITION
SCALE: 1/8" = 1'-0"

Bignell Watkins Hasser
ARCHITECTS P.C.

ONE PARK PLACE, SUITE 250
ANNAPOLIS, MARYLAND 21401
Maryland: (301) 261-8228
MD Fax: (410) 224-4443
Baltimore: (410) 841-6595
Annapolis: (410) 224-2727

8500 LEESBURG PIKE, SUITE 503
VIENNA, VIRGINIA 22182
Virginia: (703) 288-3320
VA Fax: (703) 288-4211
Website: www.bigwaha.com

Revisions

#	Date	
	01/31/20	PERMIT/ BID ISSUE

Client:
HARBOURSIDE DEVELOPMENT

Location:
2900 K STREET NW
WASHINGTON, DC

Project:
SOFFIT REPLACEMENT

2ND FLOOR EXTERIOR SOFFIT DEMOLITION PLAN

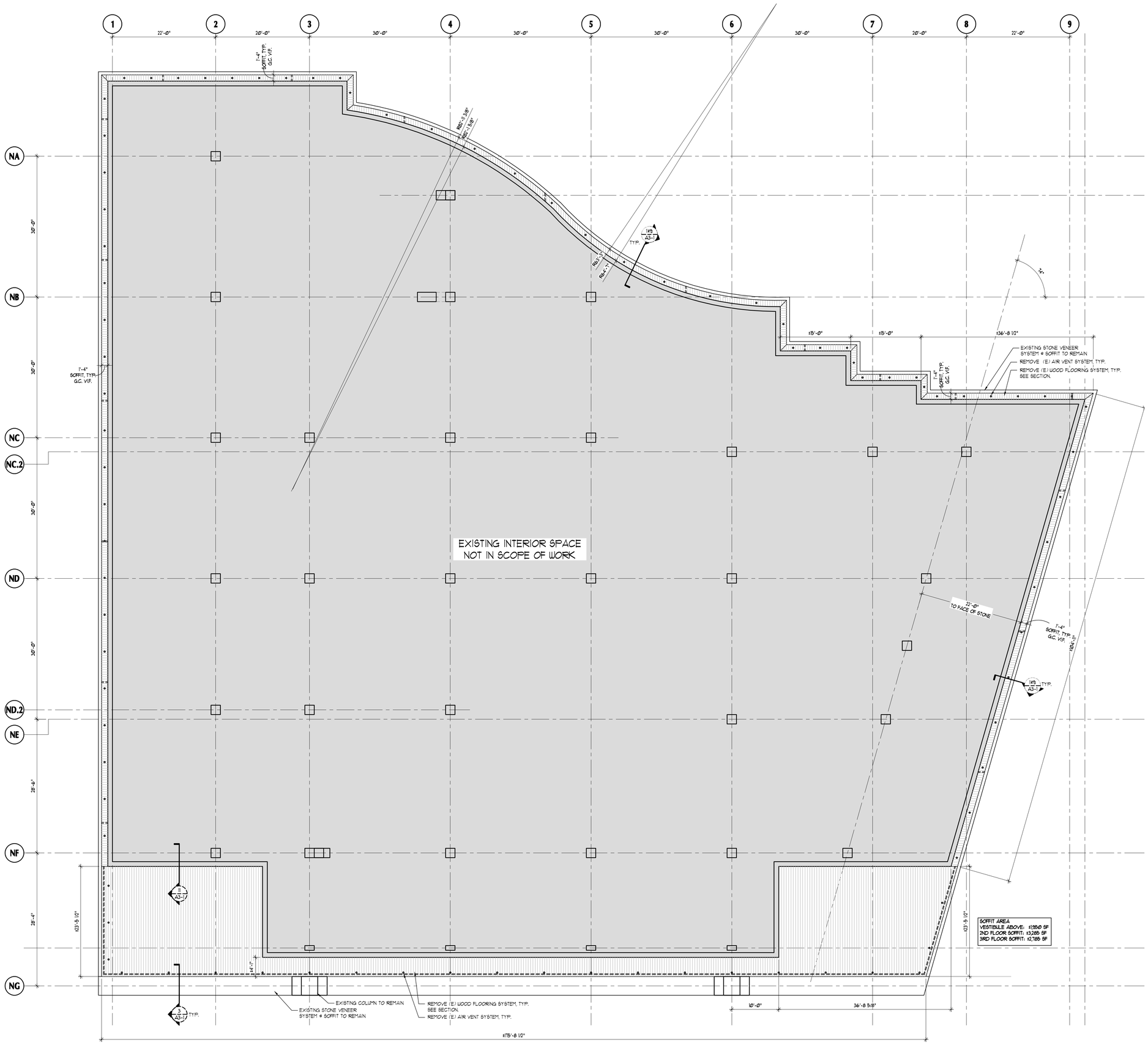
Drawn by: YJP

Project No.: 19085.00

Date: 01-31-20

DISTRICT OF COLUMBIA
4-16-20
REGISTERED
ARCHITECT

AD-1.2



1 3RD FLOOR SOFFIT PLAN - DEMOLITION
SCALE: 1/8" = 1'-0"

PLAN LEGEND:

- EXISTING CONDITION TO REMAIN (N.I.C.)
- REMOVE EXISTING WOOD FLOORING SOFFIT PANELS
- EXISTING PLYWOOD CUTTING AREA FOR NEW AIR VENTILATION
- REMOVE EXISTING LIGHTING/ AIR VENT
- NEW METAL LINEAR SOFFIT PANEL LONGBOARD 4" "V" GROOVE PANEL: DARK ACACIA
- NEW AIR VENT STRIP LONGBOARD 2 1/2" AIR VENT STRIP: DARK ACACIA
- NEW/ REPLACED LIGHTING FIXTURE LED LIGHT BULB

Bignell Watkins Hasser
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Website: www.bigwha.com

Revisions

#	Date	
	01/31/20	PERMIT/ BID ISSUE

Client: HARBOURSIDE DEVELOPMENT

Location: 2900 K STREET NW WASHINGTON, DC

Project: SOFFIT REPLACEMENT

3RD FLOOR EXTERIOR SOFFIT DEMOLITION PLAN

Drawn by: YJP

Project No.: 19085.00

Date: 01-31-20

DISTRICT OF COLUMBIA — 4-16-20 — ARCHITECT

AD-1.3

SS4G4DR / IC430

4" SS LED Downlight Gen 4

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

ELECTRICAL DATA

LED Light Engine	System Wattage *		CCT	Nominal Delivered Lumens **
	120-277V	347V		
L1	9W	9.7W	3500K	1000lm
L2	13W	14.5W	3500K	1500lm
L3	17W	19.5W	3500K	2000lm
L4	21W	24W	3500K	2500lm
L5	26W	29W	3500K	3000lm
L6	37W	37W	3500K	4000lm
L7	47W	N/A	3500K	5000lm

*System Wattage includes driver and LED Module consumption. | **Delivered lumen output will vary depending on CCT selection.

LED MODULE
- Powered by OSRAM high performance LED engine
- 50,000 hours at 70% lumen maintenance
- 80 CRI at 2700K, 3000K, 3500K, 4000K

ELECTRICAL SYSTEM
- Universal voltage 120-277V when specified with Osram 0-10V 1% or Intellect options only
- eldoLED, Lutron and DMX Dimming must specify voltage
- Phase dimming available in 120V only
- 347V available with Osram 0-10V 1% Dimming only
- Power factor >.9, 50/60Hz

EMERGENCY BACKUP
External battery operates LED load of up to 7W at a minimum of 800 lumens for 90 minutes (EM7), or 20W at a minimum of 2300 lumens for 90 minutes (EM20). Available with remote or integral test switch, must specify.

OPTICAL SYSTEM
Specification grade reflector with 1.2mm thickness. Architectural, discrete polished self flange standard. Optional painted white flange is available. Meets RP-1 requirements with controlled light distribution at a 55° cut off.

DIMMING
- 0-10V Dimming 1%
- Forward/reverse phase dimming 1% (120V only)
- EldoLED 0-10V 0.1% or 1%
- Lutron® LDE1 Hi-Lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology
- Lutron® LTEA2W Hi-Lume 1% 2-Wire LED driver (120V forward phase only)
- Lutron® LDE5 5-Series EcoSystem LED driver
- DMX512 RDM 0.1%

INTELLECT™
- Listed on the DesignLights Consortium [DLC] Qualified Product List (QPL) for Networked Lighting Control systems
- Integrated control system provides occupancy and light level detection, and controls the load directly by the power control module Integrated intelligent fixture controls
- Only hot and neutral power required at all devices, no need for control wires
- 12' ceiling height maximum
- 24" cable provided for connection between sensor and power control module
- Keypad Room controller must be specified separately
- Visit Leviton Intellect™ for more info

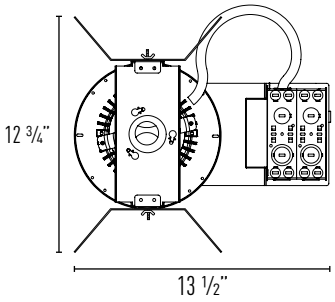
FRAME CONSTRUCTION
Heavy duty galvanized steel frame with a large access junction box. ETL listed for through wiring. LED light engine and driver are accessible from above or below ceiling.

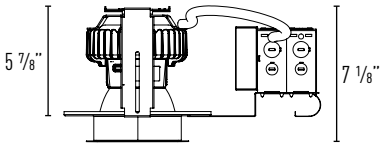
INSTALLATION
The luminaire is type Non-IC. Insulation must be kept at a minimum of 3" away from fixture. Universal mounting brackets included. Compatible with C-channel, flat bar, wood joist bar hanger and EMT. Bar hangers must be ordered separately. C-channel is recommended for T-bar ceilings. Maximum ceiling thickness is 1 ¼".

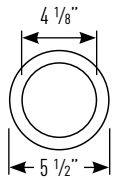
END-OF-LIFE INDICATOR
Optional end-of-life indicator helps the end user to receive a signal from the fixture indicating that it has reached its programmed life-time. After the LED driver reaches the programmed life-time, whenever it is turned ON, it stays at 'Dim' level (10%) for 10 minutes and then reaches its appropriate level.

LISTING/WARRANTY
- ETL listed to US and Canadian standards for damp locations.
- 5-Year Intense LED Limited Warranty

Intertek







Sensor Control Module

Ceiling Cut Out: 4 ¾"
Maximum Ceiling Thickness: 1 ¼"

Housing Part Number (Example: SS4G4DRL4358)

Housing	LED Module	CCT / CRI	Dimming	Voltage	Options
SS4G4DR	☐ L1 (9 Watts) ◯ L2 (13 Watts) ◯ L3 (17 Watts) ◯ L4 (21 Watts) ◯ L5 (26 Watts) ◯ L6 (37 Watts) ◯ L7[1] (47 Watts)	☐ 278 (2700K / 80 CRI) ◯ 308 (3000K / 80 CRI) ◯ 358 (3500K / 80 CRI) ◯ 408 (4000K / 80 CRI)	☐ blank (Osram 0-10V 1%) ◯ -IE[2] (Intellect Wireless 1%) ▼ Not available with universal voltage, must specify blank (120V) or 27 (277V) ▼ ◯ -DIM[3,4] (Phase Dimming) ◯ -ED10V1 (eldoLED 0-10V 1%) ◯ -ED10V01 (eldoLED 0-10V 0.1%) ◯ -LUT[5] (Lutron® LDE1 EcoSystem 1%) ◯ -LUT5[5] (Lutron® LDE5 EcoSystem 5%) ◯ -LUT2[4,5] (Lutron® LTEA2W 2-Wire 1%) ◯ -DMXR[6] (DMX512 RDM 0.1%)	☐ blank (Universal 120/277V) ◯ 34[7] (347V) ◯ blank (120V) ◯ 27 (277V)	☐ EM7 (7W Emergency Backup w/ Remote Test Switch IOTA part #ILB-CP07-A) ◯ EM7T (7W Emergency Unit w/ Integral Test Switch IOTA part #ILB-CP07-R) ◯ EM20[8] (20W Emergency Backup w/ Remote Test Switch IOTA ILB-CP20-HE-S) ◯ EOL (End-of-Life Indicator at 50,000 hours) ◯ I100 (C-Channel Bar Hangers) ◯ I200 (Flat Bar Hangers) ◯ I400 (Wood Joist Bar Hangers)

Reflector Part Number (Example: IC430HZ-SF)

Reflector	Reflector Finish	Trim	Option
IC430	☐ C (Clear) ◯ HZ (Haze) ◯ W (White)	☐ -SF (Self-Flanged) ◯ -SFW (Self-Flanged White)	☐ EM7T (Integral Test Switch)

Notes:
1. 347V Not available with L7 option
2. Intellect not available with eldoLED, Lutron, Dali or DMX Dimming (Integrated intellect control system includes sensor and power pack. Keypad Room Controller must be specified separately)
3. Not available in L1, L2 or L7
4. Not available in 277V
5. Lutron not available in L1 & L7
6. DMX512 RDM not available in L1 & L2
7. 347V only available with Osram 0-10V 1% Dimming
8. 20W emergency not available in L1, L2 & L3

INTENSE LIGHTING | 3340 E La Palma Ave, Anaheim, CA 92806 | **tel** 714 630-9877 | **fax** 714 630-9883

intense LIGHTING | a LEVITON company

SS4G4DR / IC430

4" SS LED Downlight Gen 4

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

SS4G4DRL1358 / IC430C

Test Number: 20180614-7.001
Lumens: 1015.4lm
Watts: 8.6W
Efficacy: 118 lm/w

Distance to Floor (Feet)	Footcandles at Nadir	Beam Diameter (Feet)
6'	22.8fc	6' 6"
8'	12.8fc	8' 8"
10'	8.2fc	11'
12'	5.7fc	13' 2"

Candela Distribution

Angle	Candela
0°	821
5°	828
15°	874
25°	834
35°	455
45°	50

Zonal Lumen Summary

Zone	Lumens	%Fixture
0-30	703	69
0-40	963	95
0-60	1,013	100
60-90	3	.3
0-90	1,015	100

L1 LED Module - CCT Multipliers:
2700K (x 1.00), 3000K (x 1.00), 3500K (x 1.00), 4000K (x 1.08)

SS4G4DRL2358 / IC430C

Test Number: 20180614-7.002
Lumens: 1521.1lm
Watts: 12.8W
Efficacy: 119 lm/w

Distance to Floor (Feet)	Footcandles at Nadir	Beam Diameter (Feet)
6'	34.2fc	6' 6"
8'	19.2fc	8' 8"
10'	12.3fc	11'
12'	8.55fc	13' 2"

Candela Distribution

Angle	Candela
0°	123
5°	1241
15°	130
25°	1248
35°	636
45°	74

Zonal Lumen Summary

Zone	Lumens	%Fixture
0-30	1,053	69
0-40	1,443	95
0-60	1,517	100
60-90	4	.3
0-90	1,521	100

L2 LED Module - CCT Multipliers:
2700K (x 0.95), 3000K (x 0.97), 3500K (x 1.00), 4000K (x 1.03)

SS4G4DRL3358 / IC430C

Test Number: 20180614-7.003
Lumens: 2026.7lm
Watts: 17.2
Efficacy: 118 lm/w

Distance to Floor (Feet)	Footcandles at Nadir	Beam Diameter (Feet)
6'	45.5fc	6' 6"
8'	25.6fc	8' 8"
10'	16.4fc	11'
12'	11.4fc	13' 2"

Candela Distribution

Angle	Candela
0°	1640
5°	1653
15°	1744
25°	1663
35°	847
45°	100

Zonal Lumen Summary

Zone	Lumens	%Fixture
0-30	1,403	69
0-40	1,923	95
0-60	2,021	100
60-90	5.7	.3
0-90	2,026	100

L3 LED Module - CCT Multipliers:
2700K (x 0.97), 3000K (x 0.97), 3500K (x 1.00), 4000K (x 1.03)

SS4G4DRL4358 / IC430C

Test Number: 20180614-7.004
Lumens: 2536.4lm
Watts: 21.4W
Efficacy: 118 lm/w

Distance to Floor (Feet)	Footcandles at Nadir	Beam Diameter (Feet)
6'	57fc	6' 6"
8'	32.1fc	8' 8"
10'	20.5fc	11'
12'	14.3fc	13' 2"

Candela Distribution

Angle	Candela
0°	2052
5°	2069
15°	2182
25°	2082
35°	1061
45°	125

Zonal Lumen Summary

Zone	Lumens	%Fixture
0-30	1,756	69
0-40	2,406	95
0-60	2,529	100
60-90	7.1	.3
0-90	2,536	100

L4 LED Module - CCT Multipliers:
2700K (x 0.97), 3000K (x 0.97), 3500K (x 1.00), 4000K (x 1.03)

INTENSE LIGHTING | 3340 E La Palma Ave, Anaheim, CA 92806 | **tel** 714 630-9877 | **fax** 714 630-9883

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SS4G4DR / IC430

4" SS LED Downlight Gen 4

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

SS4G4DRL5358 / IC430C

Test Number: 20180614-7.005
Lumens: 3042.1lm
Watts: 26.3W
Efficacy: 115 lm/w

Distance to Floor (Feet)	Footcandles at Nadir	Beam Diameter (Feet)
6'	68.4fc	6' 6"
8'	38.5fc	8' 8"
10'	24.6fc	11'
12'	17.1fc	13' 2"

Candela Distribution

Angle	Candela
0°	2461
5°	2481
15°	2617
25°	2497
35°	1364
45°	150

Zonal Lumen Summary

Zone	Lumens	%Fixture
0-30	2,106	69
0-40	2,886	95
0-60	3,033	100
60-90	8.5	.3
0-90	3,042	100

L5 LED Module - CCT Multipliers:
2700K (x 0.91), 3000K (x 0.99), 3500K (x 1.00), 4000K (x 1.02)

SS4G4DRL6358 / IC430C

Test Number: 20180614-7.006
Lumens: 4053.4lm
Watts: 36.6W
Efficacy: 110 lm/w

Distance to Floor (Feet)	Footcandles at Nadir	Beam Diameter (Feet)
6'	91.1fc	6' 6"
8'	51.2fc	8' 8"
10'	32.8fc	11'
12'	22.8fc	13' 2"

Candela Distribution

Angle	Candela
0°	3279
5°	3306
15°	3487
25°	3327
35°	1695
45°	199

Zonal Lumen Summary

Zone	Lumens	%Fixture
0-30	2,806	69
0-40	3,845	95
0-60	4,042	100
60-90	11.4	.3
0-90	4,053	100

L6 LED Module - CCT Multipliers:
2700K (x 0.91), 3000K (x 0.99), 3500K (x 1.00), 4000K (x 1.02)

SS4G4DRL7358 / IC430C

Test Number: 20180614-7.007
Lumens: 4983lm
Watts: 46.5W
Efficacy: 107 lm/w

Distance to Floor (Feet)	Footcandles at Nadir	Beam Diameter (Feet)
6'	112fc	6' 6"
8'	63fc	8' 8"
10'	40.3fc	11'
12'	28fc	13' 2"

Candela Distribution

Angle	Candela
0°	4032
5°	4064
15°	4287
25°	4090
35°	2084
45°	244

Zonal Lumen Summary

Zone	Lumens	%Fixture
0-30	3,450	69
0-40	4,727	95
0-60	4,969	100
60-90	14	.3
0-90	4,983	100

L7 LED Module - CCT Multipliers:
2700K (x 0.91), 3000K (x 0.99), 3500K (x 1.00), 4000K (x 1.02)

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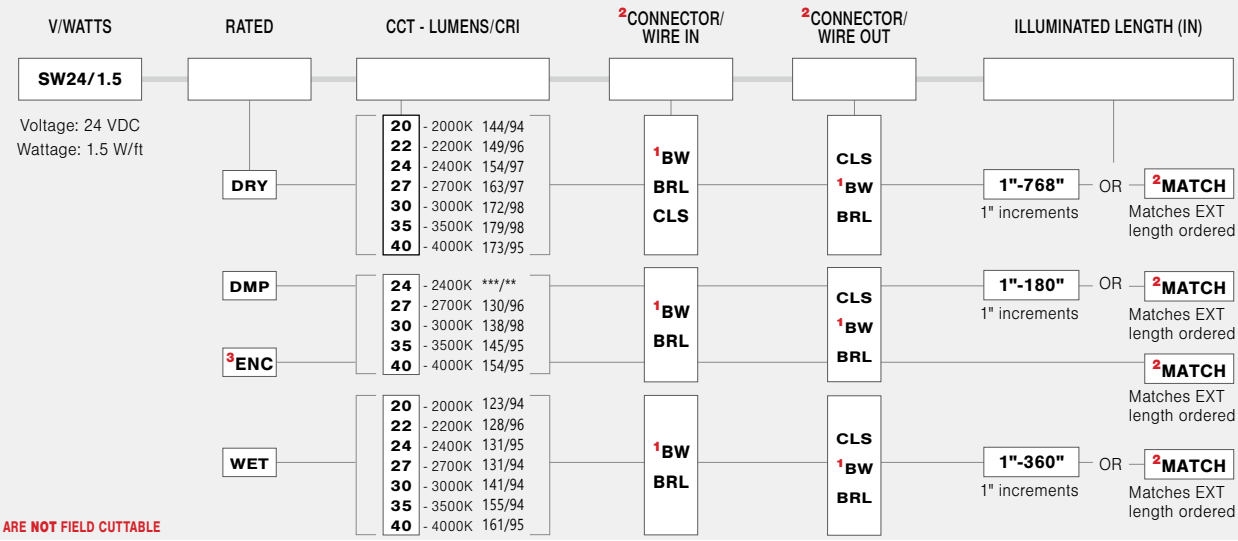
SW24/1.5

STRIP - STATIC WHITE

cULus LISTED · RoHS COMPLIANT · NEC 410.2 and 410.16 · JA8-2016



NOTES:

- Field modifications must comply with Q-Tran's installation methods otherwise warranty is null and void
- All data has +/- 5% tolerance
- 5 year warranty
- NRTL Listed for install in Storage Areas with Clothing, NEC Field 410.2 and 410.16 when assembled as a fixture, at Q-Tran facility (Not applicable for encapsulation)
- **Title 24 - JA8-2016 Strips:** Dry rated, 2200K and above

1 BW comes in standard 24"- request custom length (Max 120") by writing it in inches next to "BW" in the order code box (ex. BW48)

2 • Wire orientation for MATCH will be dictated by extrusion Feed In/Feed Out selection
• Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out

3 If ordering an encapsulated extrusion, ENC (Encapsulated in Extrusion) must be chosen for your strip

TECHNICAL INFORMATION [L70 = 30000 HRS]

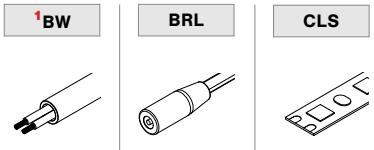
*Tested with SW24/1.5-DRY

CCT	Lumen/ft	CRI Ra	CRI R9	TM30 Rf	TM30 Rg
2000K	144	94	64	89	104
2200K	149	96	93	95	103
2400K	154	97	94	95	102
2700K	163	97	98	95	102
3000K	172	98	98	94	101
3500K	179	98	98	92	101
4000K	173	95	86	89	100

DIMENSIONS

Section (in)	DRY	DMP	WET
A	0.32"	0.32"	0.39"
B	0.16"	0.16"	0.16"
C	1.00"	1.00"	1.00"
D	0.06"	0.12"	0.21"

CONNECTOR/WIRE IN



Bare Wire 24" · Male Barrel 6" · Not soldered DRY ONLY

CONNECTOR/WIRE OUT

Bare Wire 24" · Female Barrel 6" · Not soldered

COMPATIBLE EXTRUSIONS

SLIM	WIDE	ROND	VEGA	TORQ	TRE3	LALO	ARKA	TELA	VEVE	FLUR	LATO	MDIN
☑ DRY	☑ DRY	☑ DRY	☑ DRY	☑ DRY	☑ DRY	☑ DRY	☑ DRY	☑ DRY	☑ DRY	☑ DRY	☑ DRY	☑ DRY
☑ DMP	☑ DMP	☑ DMP	☑ DMP	☑ DMP	☑ DMP	☑ DMP	☑ DMP	☑ DMP	☑ DMP	☑ DMP	☑ DMP	☐ DMP
☐ ENC	☐ ENC	☐ ENC	☐ ENC	☑ ENC	☐ ENC	☑ ENC	☐ ENC	☐ ENC	☐ ENC	☑ ENC	☑ ENC	☐ ENC
☑ WET - No lens	☑ WET	☐ WET	☐ WET	☑ WET	☑ WET	☑ WET	☑ WET	☑ WET	☑ WET	☑ WET	☑ WET	☑ WET

PROJECT NAME	DATE	COMPANY	TYPE	NOTE

 | 155 Hill St. Milford, CT 06460 | 203-367-8777 | sales@q-tran.com | www.q-tran.com | Specification subject to change | Rev-12-03-19

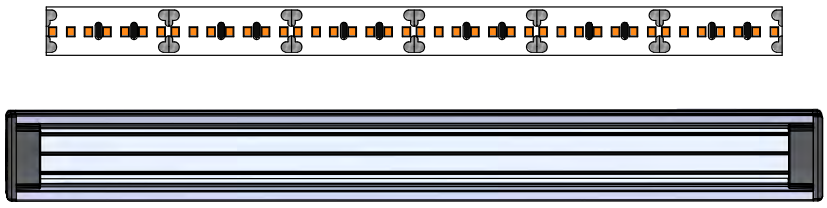
RESOURCE GUIDE - BUILDING A FIXTURE
STRIP - STATIC WHITE - **SW24/1.5**

BUILDING A FIXTURE

1 Fill out the ordering code on the STRIP cutsheet, choosing "MATCH" for ILLUMINATED LENGTH (IN).

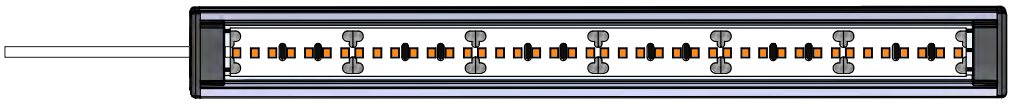
V/WATTS	RATED	CCT - LUMENS/CRI	[3]CONNECTOR/ WIRE IN	[3]CONNECTOR/ WIRE OUT	ILLUMINATED LENGTH (IN)
SW24/1.5	DRY	30	BW	CLS	MATCH

The strip you just created will now be *fitted* and installed into an extrusion. The strip and extrusion will not be equal in length; the strip will stop just short of the extrusion's endcaps.



2 Fill out the ordering code for the EXTRUSION cutsheet and choose a non-encapsulated lens (Clear, Frosted, Polar, or Diffused).

PRODUCT	FINISH	MOUNTING	LENS	TYPE	FINISHED FIXTURE LENGTH (IN)
TORQ	ST	SST	CL	S1	12"

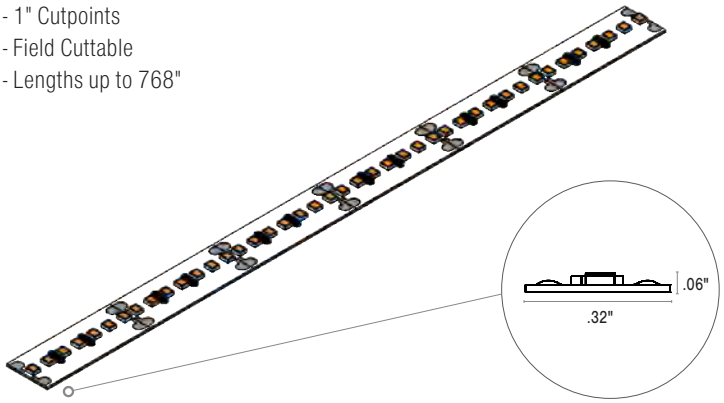


 | 155 Hill St. Milford, CT 06460 | 203-367-8777 | sales@q-tran.com | www.q-tran.com | Specification subject to change | Rev-12-05-19

RESOURCE GUIDE - LINEAR & EXTRUSION
STRIP - STATIC WHITE - **SW24/1.5**

RATED

DRY
- 1" Cutpoints
- Field Cuttable
- Lengths up to 768"



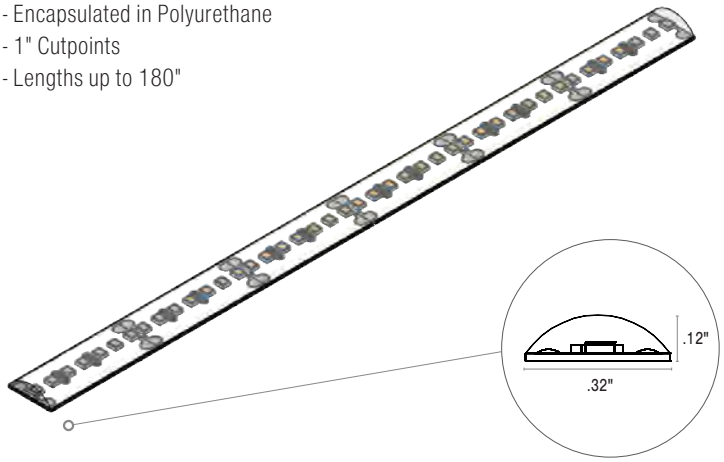
COMPATIBLE EXTRUSIONS

☑ SLIM ☑ WIDE ☑ ROND ☑ VEGA ☑ TORQ ☑ TRE3

☑ ARKA ☑ TELA ☑ VEVE ☑ LALO ☐ TALO

☑ FLUR ☑ LATO ☑ MDIN

DAMP
- Encapsulated in Polyurethane
- 1" Cutpoints
- Lengths up to 180"



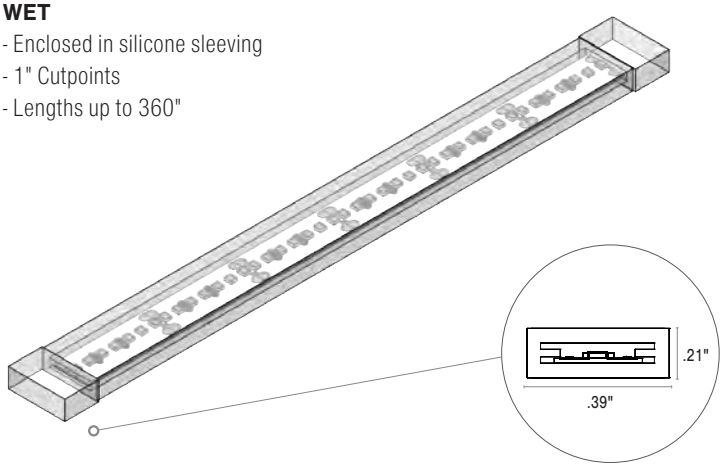
COMPATIBLE EXTRUSIONS

☑ SLIM ☑ WIDE ☑ ROND ☑ VEGA ☑ TORQ ☑ TRE3

☑ ARKA ☑ TELA ☑ VEVE ☑ LALO ☐ TALO

☑ FLUR ☑ LATO ☑ MDIN

WET
- Enclosed in silicone sleeving
- 1" Cutpoints
- Lengths up to 360"



COMPATIBLE EXTRUSIONS

☑ SLIM with no lens ☑ WIDE ☐ ROND ☐ VEGA ☑ TORQ ☑ TRE3

☑ ARKA ☑ TELA ☑ VEVE ☑ LALO ☐ TALO

☑ FLUR ☑ LATO ☑ MDIN

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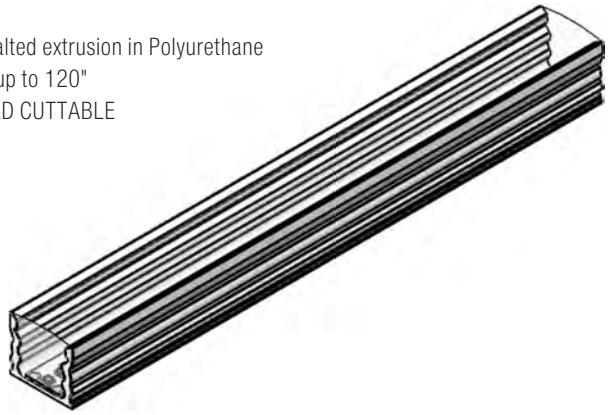
RESOURCE GUIDE - ENCAPSULATION
STRIP - STATIC WHITE - **SW24/1.5**

RATED

ENC
- Encapsualted extrusion in Polyurethane
- Lengths up to 120"
- NOT FIELD CUTTABLE



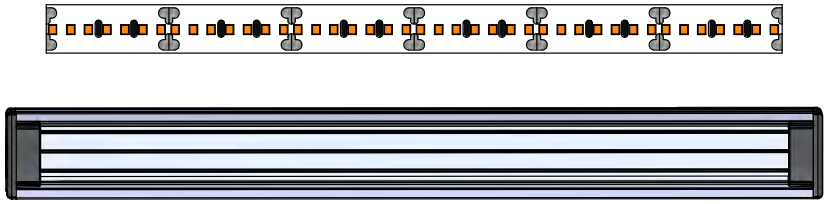
COMPATIBLE EXTRUSIONS:

BUILDING AN ENCAPSULATED FIXTURE

1 Fill out the ordering code on the STRIP cutsheet, choosing "ENC" for RATED and "MATCH" for ILLUMINATED LENGTH (IN).

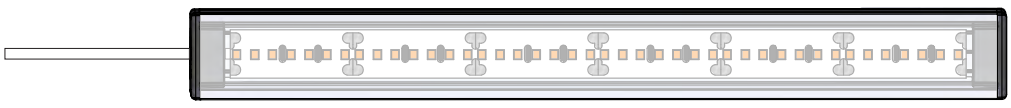
V/WATTS	RATED	CCT - LUMENS/CRI	[3]CONNECTOR/ WIRE IN	[3]CONNECTOR/ WIRE OUT	ILLUMINATED LENGTH (IN)
SW24/1.5	ENC	30	BW	CLS	MATCH

The strip you just created will now be *fitted* and installed into an extrusion. The strip and extrusion will not be equal in length; the strip will stop just short of the extrusion's endcaps.



2 Fill out the ordering code for the EXTRUSION cutsheet and choose an encapsulated lens (ENC/CL or ENC/TL).

PRODUCT	FINISH	MOUNTING	LENS	TYPE	FINISHED FIXTURE LENGTH (IN)
TORQ	ST	SST	ENC/CL	S1	12"



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RESOURCE GUIDE - COMPATIBILITY
STRIP - POWER SUPPLIES & CONTROL

APPLICATION	PRODUCTS	FUNCTION				CONTROL					MOUNTING			STRIP						
														Static White			Dynamic White	Static Color		Dynamic Color
		Dim to Black	1%	10%	Non-Dim	DMX	0-10V	Phase	DALI	ECO System	Surface	Recessed	Direct Burial	SW	SW	SW-IA	DW	SC	RGB	RGBW
														24/	24/	24/	24/	24/	24/	24/
														1.5-4.0	5.0-7.5	5.0	6.0	5.0	5.3	6.0
INDOOR	iQ-PH	✓*						✓			✓			✓	✓			✓		
	iQ-PH+QD1	✓*						✓			✓			✓	✓			✓		
	QJB-DC			✓				✓			✓			✓						
	QJBL-DC			✓				✓			✓			✓						
	Q6S-DC			✓				✓			✓			✓						
	Q6M-DC+CAP	✓						✓			✓			✓	✓			✓		
	QTM-DC			✓				✓			✓			✓						
	QTM-DC+CAP	✓						✓			✓			✓	✓			✓		
	QTM-eLED		✓				✓				✓	✓		✓	✓			✓		
	QTM-eLED+DMX		✓			✓					✓	✓					✓		✓	✓
	QTM-ELED+WD		✓				✓				✓	✓					✓			
	QTM-ELED+AW		✓				✓				✓	✓					✓			
	QTM-ELED+IA		✓			✓					✓	✓				✓				
	QTM-DRIVE		✓ DMX & DALI			✓	✓		✓		✓	✓		✓	✓		✓	✓	✓	✓
	QTM-eLED(E)		✓							✓	✓	✓		✓	✓			✓		
	QTM-eLED(L)		✓					✓			✓	✓		✓	✓			✓		
	iQ-D010-96-20		✓				✓				✓			✓	✓			✓		
	iQ-ND-96-20				✓						✓			✓	✓			✓		
OUTDOOR	iQ-PH	✓*						✓			✓			✓	✓			✓		
	QOM-DC			✓				✓			✓			✓						
	QOM-DC+CAP	✓						✓			✓			✓	✓			✓		
	QOM-eLED		✓				✓				✓			✓	✓			✓		
	QOM-eLED+DMX		✓			✓					✓						✓		✓	✓
	QOM-eLED+WD		✓				✓				✓						✓			
	QOM-eLED+AW		✓				✓				✓						✓			
	QOM-eLED+IA		✓			✓					✓					✓				
	QOM-DRIVE		✓ DMX & DALI			✓	✓		✓		✓			✓	✓		✓	✓	✓	✓
	QOM-PH	✓*						✓			✓			✓	✓			✓		
	Q-SET-eLED		✓				✓						✓	✓	✓			✓		
	Q-SET-mLED			✓				✓					✓	✓						
	Q-HEX-Mini-DC			✓				✓					✓	✓						
	iQ-ND-50-65				✓						✓			✓	✓			✓		
POOL & SPA	QOM-eLED-PS		✓				✓				✓			✓	✓			✓		
	QOM-DRIVE-PS		✓ DMX & DALI			✓	✓		✓		✓			✓	✓		✓	✓	✓	✓
	QOM-PH-PS	✓*						✓			✓			✓	✓			✓		

NOTES: * Requires Dimmer with low end trim
- See power supplies cut sheets for more information
- Data subject to change, all data has +/- 5% tolerance

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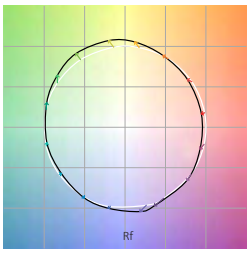
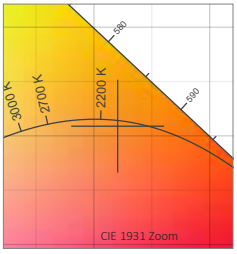
RESOURCE GUIDE - COLOR DATA
STRIP - STATIC WHITE - **SW24/1.5**

2000K

2026 K

CRI: 93.8
CRI R9: 64.1
TM30 Rf: 88.5
TM30 Rg: 103.7
CQS: 79.8
X: 0.521
Y: 0.409
U: 0.303
V: 0.357
Δuv: -0.0016





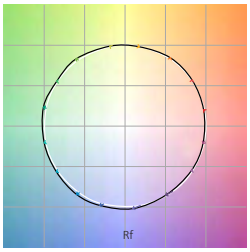
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95.0	97.8	97.5	94.6	94.8	97.7	90.6	82.0	64.1	93.0	96.4	93.9	96.1	96.8	90.1
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
75.7	83.9	81.7	82.4	82.9	78.3	73.8	76.6	85.3	83.2	82.3	81.2	81.0	79.9	78.3
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
90.0	87.2	85.0	87.5	88.8	86.4	84.5	87.6	91.9	94.2	92.1	89.9	88.2	71.0	85.8	88.0

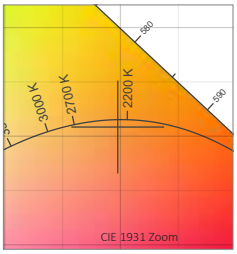
TM30			
Hue Bin	R_f	Chroma	Hue
1	90	-4%	0%
2	87	-3%	5%
3	85	0%	7%
4	87	6%	7%
5	89	9%	4%
6	86	10%	0%
7	85	5%	-8%
8	88	1%	-8%
9	92	-1%	-4%
10	94	-3%	1%
11	92	1%	3%
12	90	2%	2%
13	88	6%	-9%
14	71	1%	-15%
15	86	0%	-9%
16	88	-4%	-7%

2200K

2235 K

CRI: 95.3
CRI R9: 93.5
TM30 Rf: 94.7
TM30 Rg: 102.2
CQS: 90.3
X: 0.498
Y: 0.408
U: 0.288
V: 0.355
Δuv: -0.0022





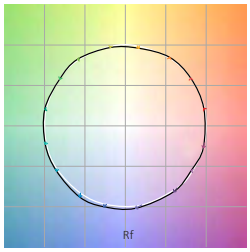
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95.4	96.0	99.0	94.9	94.1	90.5	95.8	96.4	93.5	93.1	89.6	84.1	94.7	98.2	98.8
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
89.4	89.6	92.1	91.2	91.1	90.3	89.5	90.3	91.0	92.5	92.3	92.3	91.4	87.4	89.7
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
96.3	96.7	94.4	96.2	96.2	93.9	96.2	94.9	95.4	96.1	93.7	92.1	89.9	84.8	95.7	93.8

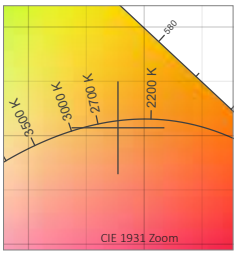
TM30			
Hue Bin	R_f	Chroma	Hue
1	96	-1%	1%
2	97	1%	1%
3	94	1%	0%
4	96	0%	-2%
5	96	1%	1%
6	94	3%	2%
7	96	1%	1%
8	95	4%	0%
9	95	2%	0%
10	96	2%	0%
11	94	4%	-2%
12	92	3%	-4%
13	90	2%	-10%
14	85	-1%	-9%
15	96	-1%	-1%
16	94	-1%	-3%

2400K

2450 K

CRI: 96.2
CRI R9: 94.1
TM30 Rf: 94.1
TM30 Rg: 101.6
CQS: 93.4
X: 0.477
Y: 0.407
U: 0.275
V: 0.352
Δuv: -0.0023





R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.2	96.7	99.1	96.6	95.6	92.3	96.1	96.6	94.1	94.5	92.5	86.2	95.7	98.4	98.7
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
91.3	93.0	93.8	94.3	95.2	94.9	92.7	93.5	94.8	95.7	95.6	95.5	94.7	91.3	92.2
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
95.6	96.7	95.2	93.5	95.9	95.1	95.5	96.4	94.3	95.0	92.4	91.9	89.9	89.8	94.2	91.0

TM30			
Hue Bin	R_f	Chroma	Hue
1	96	-1%	1%
2	97	0%	0%
3	95	1%	0%
4	94	-2%	-3%
5	96	-1%	0%
6	95	1%	2%
7	96	0%	2%
8	96	2%	1%
9	94	2%	3%
10	95	2%	2%
11	92	5%	2%
12	92	3%	-3%
13	90	2%	-8%
14	90	2%	-6%
15	94	-2%	-1%
16	91	0%	-6%

NOTES:
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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RESOURCE GUIDE - COLOR DATA
STRIP - STATIC WHITE - **SW24/1.5**

2700K

2769 K

CRI: 96.8

CRI R9: 98.0

TM30 Rf: 94.3

TM30 Rg: 101.4

CQS: 95.4

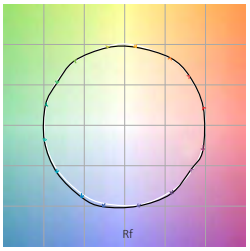
X: 0.450

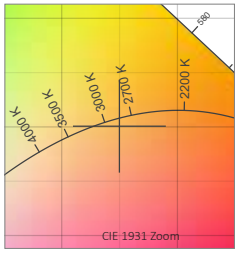
Y: 0.401

U: 0.260

V: 0.348

Δuv: -0.0029





R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.1	97.0	98.9	97.1	96.0	93.8	97.2	98.4	98.0	95.4	93.9	86.6	95.8	98.2	97.4
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
93.7	95.7	94.0	94.6	96.3	97.1	94.5	95.8	97.6	97.3	97.4	97.6	97.2	94.2	94.7
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
95.9	97.2	95.9	94.0	95.6	96.5	92.8	97.3	94.2	93.1	92.7	91.6	93.1	92.7	93.6	90.9

TM30			
Hue Bin	R_f	Chroma	Hue
1	96	0%	1%
2	97	1%	0%
3	96	1%	0%
4	94	-2%	-2%
5	96	-2%	1%
6	96	1%	1%
7	93	-1%	3%
8	97	1%	1%
9	94	1%	3%
10	93	2%	4%
11	93	4%	3%
12	92	4%	-2%
13	93	1%	-5%
14	93	2%	-4%
15	94	-1%	0%
16	91	1%	-6%

3000K

3081 K

CRI: 97.5

CRI R9: 97.7

TM30 Rf: 93.2

TM30 Rg: 100.7

CQS: 95.1

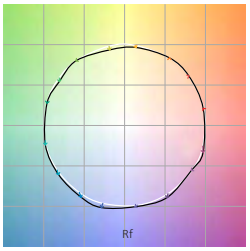
X: 0.428

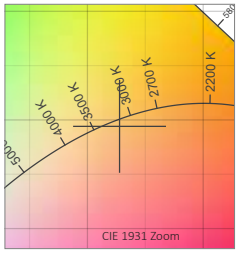
Y: 0.394

U: 0.249

V: 0.344

Δuv: -0.0027





R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.1	97.7	98.5	98.9	97.3	95.3	97.2	97.9	97.7	97.4	96.7	83.2	96.9	98.1	97.3
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
93.0	96.6	92.2	92.1	94.4	97.3	95.5	96.4	97.8	97.4	97.3	97.7	97.6	95.3	95.0
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
94.9	96.9	96.1	93.8	92.7	96.8	91.8	97.2	91.9	89.0	90.1	90.9	93.9	92.1	91.1	89.6

TM30			
Hue Bin	R_f	Chroma	Hue
1	95	-1%	1%
2	97	0%	0%
3	96	0%	0%
4	94	-2%	-2%
5	93	-5%	0%
6	97	0%	1%
7	92	-3%	4%
8	97	0%	2%
9	92	1%	5%
10	89	2%	6%
11	90	4%	5%
12	91	6%	-1%
13	94	1%	-4%
14	92	3%	-4%
15	91	0%	-1%
16	90	2%	-7%

3500K

3496 K

CRI: 97.6

CRI R9: 98.3

TM30 Rf: 91.8

TM30 Rg: 100.1

CQS: 95.4

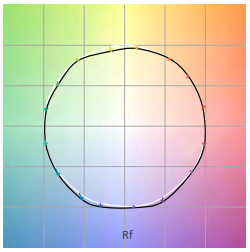
X: 0.403

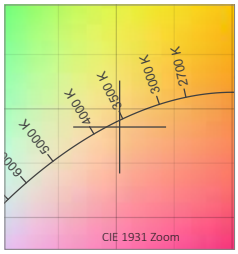
Y: 0.383

U: 0.237

V: 0.339

Δuv: -0.0028





R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.6	98.4	97.7	99.0	97.5	95.9	97.3	97.7	98.3	99.0	98.1	77.9	97.7	97.8	96.6
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
93.6	98.5	91.1	90.3	93.6	97.0	97.0	98.0	98.5	98.2	98.0	98.7	99.0	97.3	96.3
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
94.0	96.4	95.6	92.6	90.8	96.6	91.8	94.2	90.1	85.9	86.5	91.1	94.7	91.6	90.0	89.6

TM30			
Hue Bin	R_f	Chroma	Hue
1	94	-1%	1%
2	96	0%	0%
3	96	0%	0%
4	93	-3%	-2%
5	91	-6%	0%
6	97	-1%	1%
7	92	-3%	4%
8	94	-1%	3%
9	90	0%	6%
10	86	1%	9%
11	86	5%	7%
12	91	4%	1%
13	95	1%	-3%
14	92	4%	-3%
15	90	1%	-2%
16	90	1%	-4%

NOTES:
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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RESOURCE GUIDE - COLOR DATA
STRIP - STATIC WHITE - **SW24/1.5**

4000K

4255 K

CRI: 94.8

CRI R9: 85.3

TM30 Rf: 88.8

TM30 Rg: 99.5

CQS: 93.5

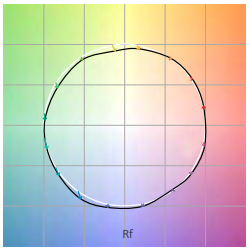
X: 0.367

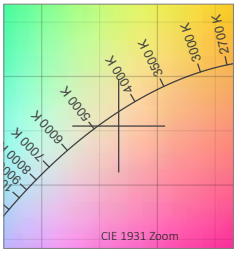
Y: 0.354

U: 0.225

V: 0.326

Δuv: -0.0066





R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93.8	94.8	98.5	96.1	93.9	92.5	94.8	94.1	85.3	92.4	98.0	72.0	93.6	98.8	90.6
Q1	**Q2**	**Q3**	**Q4**	**Q5**	**Q6**	**Q7**	**Q8**	**Q9**	**Q10**	**Q11**	**Q12**	**Q13**	**Q14**	**Q15**
90.5	97.8	89.6	86.6	89.4	93.0	98.4	98.5	97.8	98.7	97.3	97.7	97.8	95.8	93.6
C1	**C2**	**C3**	**C4**	**C5**	**C6**	**C7**	**C8**	**C9**	**C10**	**C11**	**C12**	**C13**	**C14**	**C15**	**C16**
90.4	93.4	94.4	89.5	87.5	93.6	89.3	86.9	83.2	82.2	84.3	92.3	92.0	93.1	87.7	87.0

TM30			
Hue Bin	R_f	Chroma	Hue
1	90	0%	3%
2	93	1%	-1%
3	94	1%	-1%
4	90	-4%	-3%
5	88	-7%	-2%
6	94	-4%	1%
7	89	-5%	4%
8	87	-2%	7%
9	83	0%	12%
10	82	2%	9%
11	84	6%	7%
12	92	4%	0%
13	92	3%	-2%
14	93	-1%	1%
15	88	2%	-2%
16	87	2%	-3%

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RESOURCE GUIDE - CONNECTORS/WIRE
STRIP - STATIC WHITE - **SW24/1.5**

CONNECTORS/WIRE

BARE WIRE

BW

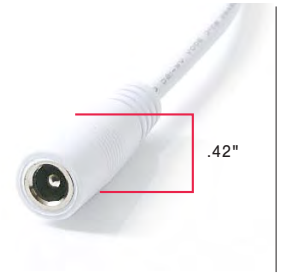
- Belden Wire 22 AWG
- Outdoor rated
- 24" Standard length

BARE WIRE

DRY BARREL

BRL

- 22 AWG
- Dry rated
- 6" Standard length



MALE
INPUT CONNECTOR

FEMALE
OUTPUT CONNECTOR

WET BARREL

BRL

- 18 AWG
- Wet rated
- 6" Standard length

MALE
INPUT CONNECTOR

FEMALE
OUTPUT CONNECTOR

RELATED PRODUCTS

Q-MINI-J*

Sold: Individually

Junction Box that allows for splicing of LED Lead wires

*Full ordering guide available for this product

RELATED PRODUCTS

TWO-FER

Sold: Individually

Two Females and one Male

FOUR-FER

Sold: Individually

Four Females and one Male

MALE BENDER

Sold: Individually

Connects a Male Barrel to a Male Barrel

FEMALE BENDER

Sold: Individually

Connects a Female Barrel to a Female Barrel

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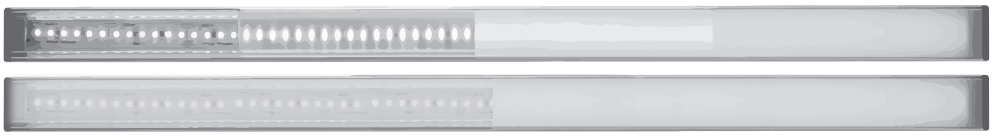
RESOURCE GUIDE - LUMEN MULTIPLIER
STRIP IN EXTRUSION

FINISH

ST Satin finish **BK** Black finish **BZ** Bronze finish

LENS

CL Clear **FR** Frosted **PR** Polar **DF** Diffused



ENC/CL Encapsulated in Clear **ENC/TL** Encapsulated in Translucent

LUMEN MULTIPLIER FORMULA

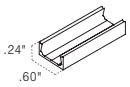
Bare LED Lumens x Extrusion Finish/Lens Value

Example:

172 lm/ft x 0.75 = 129 lm/ft

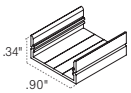
SW24/1.5 at 3000K x TORQ Extrusion in Black with FR Lens

SLIM



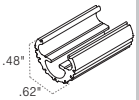
Lens	Finish		
	Satin (ST)	Black (BK)	Bronze (BZ)
CL	0.91	0.83	Not
DF	0.74	0.62	Available

WIDE



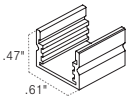
Lens	Finish		
	Satin (ST)	Black (BK)	Bronze (BZ)
CL	0.91	0.83	**
PR	0.85	0.77	**
DF	0.78	0.63	**

ROND



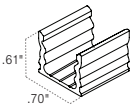
Lens	Finish		
	Satin (ST)	Black (BK)	Bronze (BZ)
CL	0.85	**	
FR	0.80	**	Not
DF	0.57	**	Available

VEGA



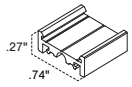
Lens	Finish		
	Satin (ST)	Black (BK)	Bronze (BZ)
CL	1.00	Not Available	Not Available

TORQ



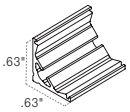
Lens	Finish		
	Satin (ST)	Black (BK)	Bronze (BZ)
CL	0.87	0.80	**
FR	0.73	0.75	**
PR	0.71	0.73	**
DF	0.61	0.39	**
ENC/CL	0.65	0.80	**
ENC/TL	0.56	0.60	**

TRE3



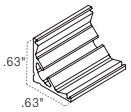
Lens	Finish		
	Satin (ST)	Black (BK)	Bronze (BZ)
DF	0.81	Not Available	Not Available

ARKA



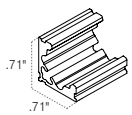
Lens	Finish		
	Satin (ST)	Black (BK)	Bronze (BZ)
CL	0.97	0.96	**
FR	0.93	0.95	**
PR	0.90	0.92	**
DF	0.82	0.69	**

TELA



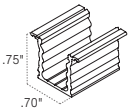
Lens	Finish		
	Satin (ST)	Black (BK)	Bronze (BZ)
CL	0.87	0.86	**
PR	0.88	0.88	**
DF	0.82	0.81	**

VEVE



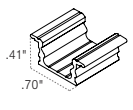
Lens	Finish		
	Satin (ST)	Black (BK)	Bronze (BZ)
CL	0.90	0.76	
FR	0.81	0.67	Not
PR	0.81	0.64	Available
DF	0.72	0.50	

FLUR



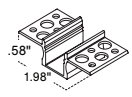
Lens	Finish		
	Satin (ST)	Black (BK)	Bronze (BZ)
CL	0.83	0.60	
FR	0.66	0.48	
PR	0.62	0.42	Not
DF	0.53	0.30	Available
ENC/CL	0.64	0.47	
ENC/TL	0.49	0.36	

LATO



Lens	Finish		
	Satin (ST)	Black (BK)	Bronze (BZ)
CL	0.91	0.74	**
FR	0.81	0.66	**
PR	0.81	0.64	**
DF	0.71	0.50	**
ENC/CL	0.78	0.71	**
ENC/TL	0.64	0.48	**

MDIN



Lens	Finish		
	Satin (ST)	Black (BK)	Bronze (BZ)
DF	0.56	Not Available	Not Available

Diode free or near Diode free

NOTES: • Data subject to change, all data has +/- 5% tolerance

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RESOURCE GUIDE - COMPATIBILITY
STRIP & EXTRUSION

STRIP AND EXTRUSION COMPATIBILITY

EXTRUSIONS	STATIC WHITE 1.5 - 7.5 W/ft				DYNAMIC WHITE 6.0 W/ft				STATIC COLOR 5.0 W/ft				RGB 5.3 W/ft				RGBW 6.0 W/ft			
	DRY	DMP	WET	ENC	DRY	DMP	WET	ENC	DRY	DMP	WET	ENC	DRY	DMP	WET	ENC	DRY	DMP	WET	ENC
SLIM	☑	☑	☑	✗	✓	✓	✗	✗	✓	✓	☑	✗	✓	✗	✗	✗	✗	✗	✗	✗
WIDE	✓	☑	✓	✗	✓	✓	✓	✗	✓	✓	✓	✗	✓	✗	✓	✗	✓	✓	✓	✗
ROND	✓	☑	✗	✗	✓	✓	✗	✗	✓	✓	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗
VEGA	✓	☑	✗	✗	✓	✓	✗	✗	✓	✓	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗
TORQ	✓	☑	☑	☑	✓	✓	✗	✓	✓	✓	✓	✓	✓	✗	✗	✓	✗	✗	✗	✗
TRE3	✓	☑	☑	✗	✓	✓	✓	✗	✓	✓	✓	✗	✓	✗	✓	✗	✓	✓	✗	✗
ARKA	✓	☑	☑	✗	✓	✓	✓	✗	✓	✓	✓	✗	✓	✗	✓	✗	✓	✓	✗	✗
TELA	✓	☑	☑	✗	✓	✓	✓	✗	✓	✓	✓	✗	✓	✗	✓	✗	✓	✓	✗	✗
VEVE	✓	☑	☑	✗	✓	✓	✓	✗	✓	✓	✓	✗	✓	✗	✓	✗	✓	✓	✗	✗
FLUR	✓	☑	☑	☑	✓	✓	✗	✓	✓	✓	✓	✓	✓	✗	✗	✓	✗	✗	✗	✗
LATO	✓	☑	☑	☑	✓	✓	✗	✓	✓	✓	✓	✓	✓	✗	✗	✓	✗	✗	✗	✗
LALO	✓	☑	☑	☑	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✗	✓
MDIN	●	●	●	✗	✓	✓	✗	✗	✗	✗	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗

☑ = NOT Compatible with 6.0 & 7.5 strips
☑ = Wet rated but with no lens
● = Compatible ONLY with 1.5 & 3.0 strips
✓ = Compatible
✗ = NOT Compatible

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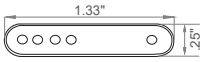
ACCESSORIES
STRIP

MOUNTING

iQ-STRAP-10*	QTY

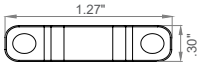
Sold: In packs of 10



Rubber Strap
Fits DRY, DMP, WET

iQ-CLIP-SS10	QTY

Sold: Individually



Metal Clip
Fits DMP, WET

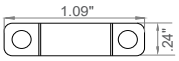
iQ-CLIP-SS12	QTY

Sold: Individually

Metal Clip
Fits DMP

iQ-CLIP-PL	QTY

Sold: Individually

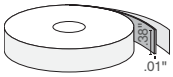


Rubber Clip
Fits DMP, WET

*1 strap included with every 1 ft. of bare LED

iQ-VHB-STD	QTY

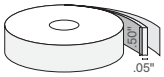
Sold: In feet



Adhere LED to smooth surface
including extrusion

iQ-VHB-CON	QTY

Sold: In feet



Adhere LED to concrete surface

CONNECTION

iQ-CLP-LEAD	QTY

Sold: Individually

Joins lead wire to LED strip

iQ-CLP-INLINE	QTY

Sold: Individually

Joins two LED strips

NOTE: CLP connectors are SW24/6.0 and SC, DRY rated only, and do not fit in extrusions.

iQ-SNP-LEAD	QTY

Sold: Individually

Joins lead wire to LED strip

iQ-SNP-INLINE	QTY

Sold: Individually

Joins two LED strips

NOTE: SNP fits all extrusions except the SLIM. Works with all DRY rated LED strips. 6.0 W/FT or less.

TWO-FER	QTY

Sold: Individually

Two Females and one Male

FOUR-FER	QTY

Sold: Individually

Four Females and one Male

MALE BENDER	QTY

Sold: Individually

Connects a Male Barrel to a
Male Barrel

FEMALE BENDER	QTY

Sold: Individually

Connects a Female Barrel
to a Female Barrel

KITS & WIRE

iQ-LEAD-18-KIT Includes (1)18" Dry lead wire, (1) 1" heat shrink tubing, (1) ½" heat shrink tubing, (1) 6" solder

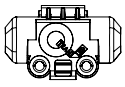
iQ-JUMP-6-KIT Includes (1) 6" Dry lead wire, (2) 1" heat shrink tubing, (2) ½" heat shrink tubing, (1) 6" solder

iQ-WSW Dry LED lead wire available in custom lengths, 1,000' reel

iQ-LEAD-18-KIT	Sold individually	QTY
iQ-JUMP-6-KIT	Sold individually	QTY
iQ-WSW	Sold in inches	QTY

JUNCTION BOX

Q-mini-J Junction box that allows for splicing of LED lead wires
(Full ordering guide available for this product)



Q-mini-J	Sold individually	QTY

PROJECT NAME	DATE	COMPANY	TYPE	NOTE

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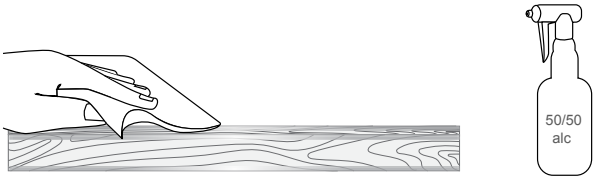
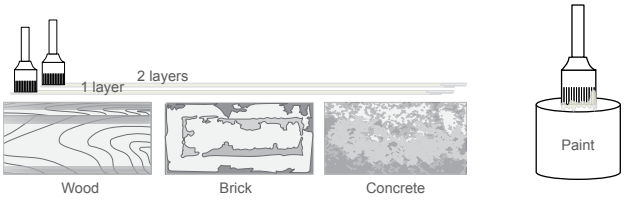
INSTALLATION
STRIP

SURFACE PREPARATION



Throughly clean the area where the tape lights will be installed. Using a 50/50 alcohol mix, clean the area where LEDs will be applied and allow time for alcohol to dry, roughly 5 minutes.



For porous materials (wood, brick, concrete) apply two layers of paint or primer to the surface. This will help create a better bonding surface for these materials. This can be purchases from your local hardware store.

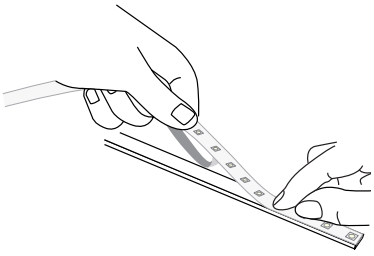
Apply 3M Primer 94 to surface where LED tape lights will be installed to increase bonding power. A second coat can be applied once first coat has dried. For best results with a porous material, apply the paint as described in step 3 and two layers of Primer 94.

Temperature and Enviromental concerns:

- Ideal application enviroment is 70-100° in 50% humidity
- Absolute minimum temperature: 50°F
- This temperature and humidity should be maintained for 72 hours after application for maximum holding force.

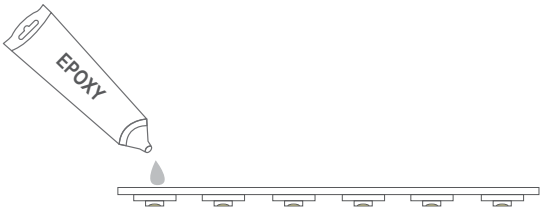
STRIP SURFACE INSTALLATION

1



Remove the backing from the adhesive and apply firm pressure to the bonding surface.

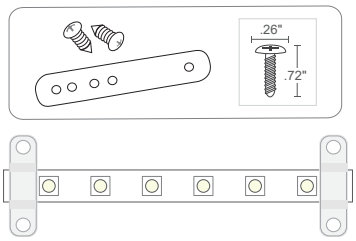
2



For Improved bonding performance, apply small amounts of epoxy at each end to increase holding force.

Materials	Suggested Epoxies
Concrete, Stone, Cinderblock, Metal & Brick	Loctite Metal and Concrete Two-Part Epoxy
ABS, Fiberglass, Plastic, and PVC	Loctite Plastic Two-Part Epoxy
Tile, Wood,Ceramic, Glass, or Metal	Loctite Clear Two-Part Epoxy
All Purpose	Strong Stik

3



Install clips if they are being used. Install a strap every 12" to secure.

4

Allow adhesive to bond for up to 72 hours.

NOTES: • Field modifications must comply with Q-Tran's installation methods otherwise warranty is null and void

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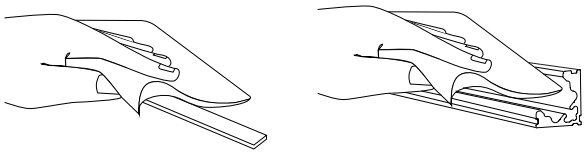
INSTALLATION
STRIP

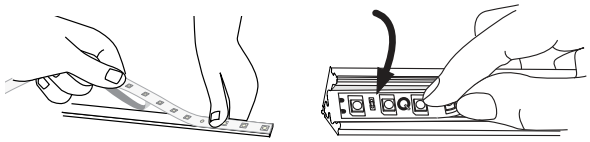
STRIP/EXTRUSION ASSEMBLY

1



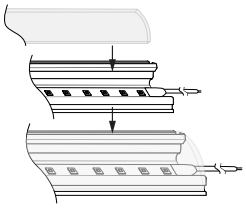
Using a 50/50 alcohol mix, throughly clean the surface of the extrusion and the multi-tray surface, allow time to dry (about 5 minutes).

2



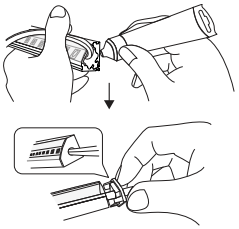
Gently place LED in Extrusion/Tray. Apply firm pressure to the bonding surface. Do not remove more of the backing than is needed.

3



Start applying uniform pressure until the two panels (extrusion & lens) snap securely together.

4

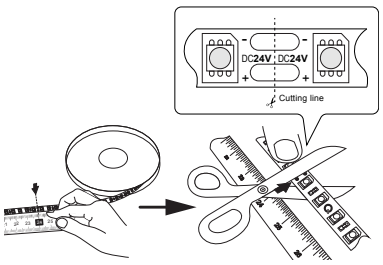


Add glue inside the cap and glue around to secure End Cap in place.

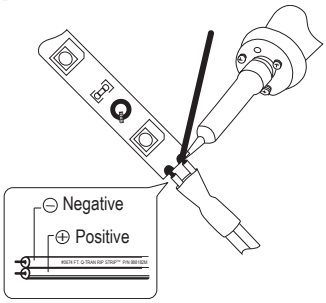
LEAD WIRE & JUMPER

Materials - Lead Wire
(1) 18" Lead Wire
(1) 6" Solder
(1) 1" Shrink Tube
(1) 1/2" Shrink Tube
Materials - Jumper
(1) 6" Lead Wire
(1) 6" Solder
(2) 1" Shrink Tube
(2) 1/2" Shrink Tube

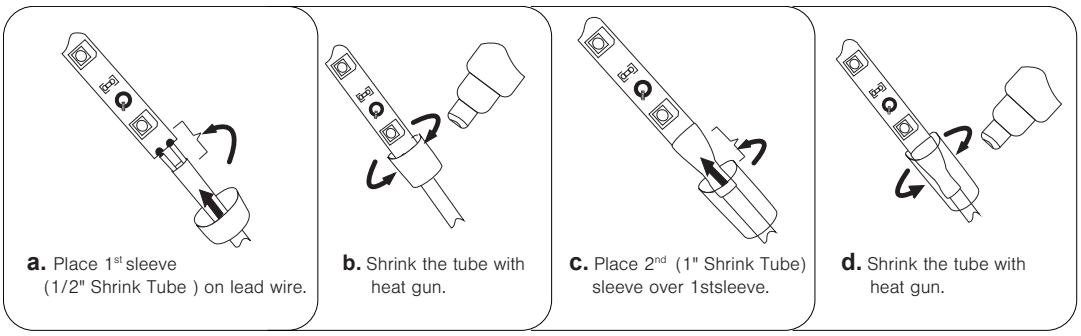
1 Measuring & Cutting



2 Solder lead wire onto terminal



3



a. Place 1st sleeve (1/2" Shrink Tube) on lead wire.

b. Shrink the tube with heat gun.

c. Place 2nd (1" Shrink Tube) sleeve over 1stsleeve.

d. Shrink the tube with heat gun.

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