GENERAL NOTES:

1. THE LAND DELINEATED HEREON IS LOCATED IN THE CITY OF RICHMOND, VIRGINIA AND IS KNOWN AS PARCEL ID: S0000475015

2. CURRENT OWNER: FIFER PROPERTIES LLC
INST.# 14–22143

3. TOTAL AREA = 1.408 ACRES

4. PROPERTY IS CURRENTLY ZONED: M–1 ≠ R-6

5. THIS PLAT IS NOT BASED ON A CURRENT TITLE REPORT AND DOES NOT NECESSARILY SHOW ALL EASEMENTS, COVENANTS AND SERVTITUDES OF RECORD.

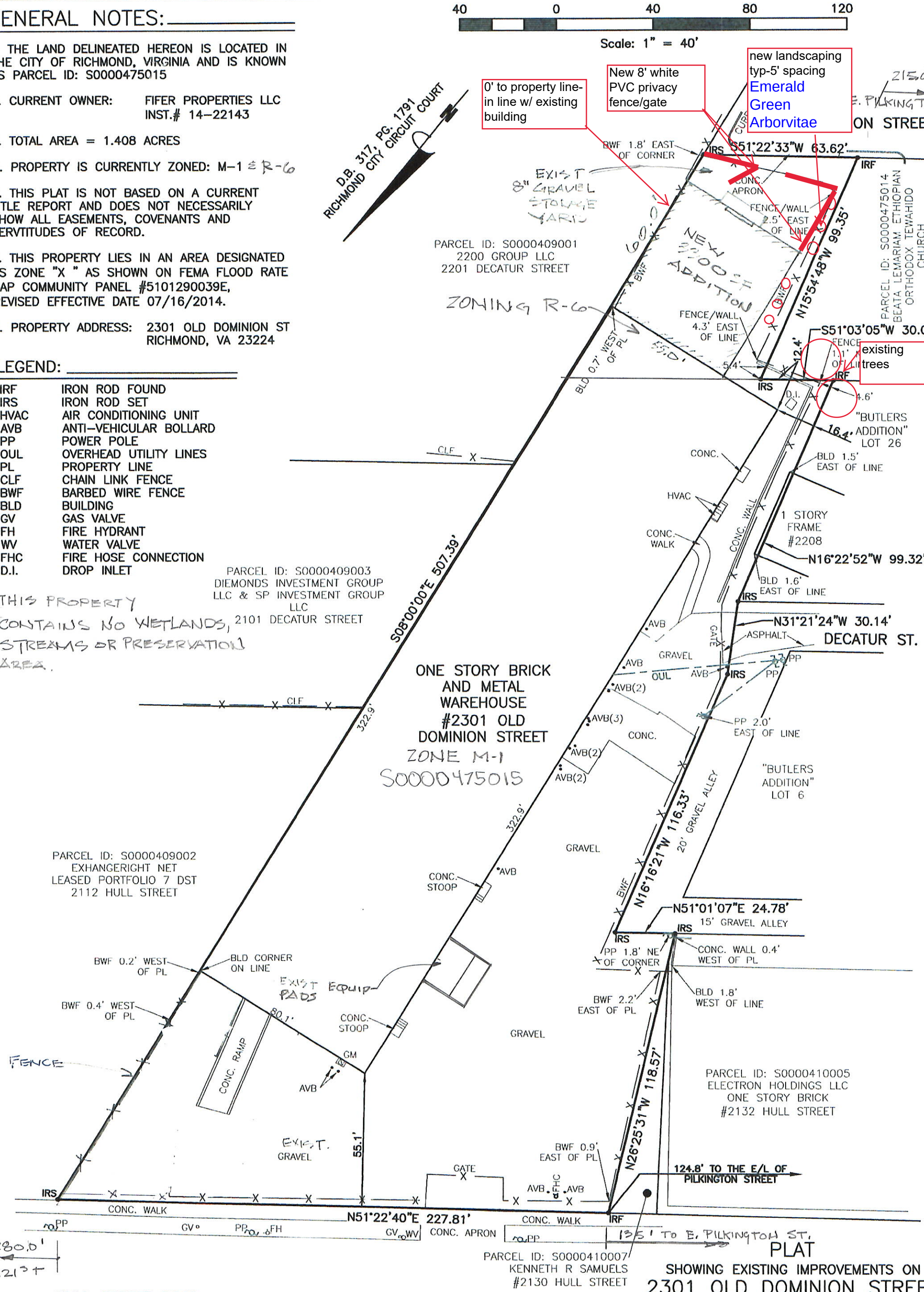
6. THIS PROPERTY LIES IN AN AREA DESIGNATED AS ZONE "X " AS SHOWN ON FEMA FLOOD RATE MAP COMMUNITY PANEL #5101290039E, REVISED EFFECTIVE DATE 07/16/2014.

7. PROPERTY ADDRESS: 2301 OLD DOMINION ST
RICHMOND, VA 23224

LEGEND:

IRF	IRON ROD FOUND
IRS	IRON ROD SET
HVAC	AIR CONDITIONING UNIT
AVB	ANTI–VEHICULAR BOLLARD
PP	POWER POLE
OUL	OVERHEAD UTILITY LINES
PL	PROPERTY LINE
CLF	CHAIN LINK FENCE
BWF	BARBED WIRE FENCE
BLD	BUILDING
GV	GAS VALVE
FH	FIRE HYDRANT
WV	WATER VALVE
FHC	FIRE HOSE CONNECTION
D.I.	DROP INLET

THIS PROPERTY CONTAINS NO WETLANDS, STREAMS OR PRESERVATION AREA.



CERTIFICATION:

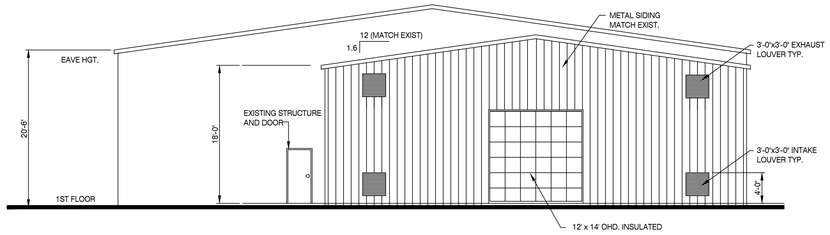
I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS SURVEY IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND IS BASED ON A CURRENT FIELD SURVEY.

COMMONWEALTH OF VIRGINIA
Cedric B Young
CEDRIC B. YOUNG
Lic. No. 003283
8/31/2021
LAND SURVEYOR

PLAT

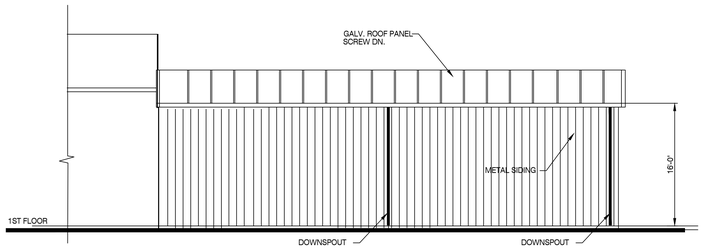
SHOWING EXISTING IMPROVEMENTS ON
2301 OLD DOMINION STREET
LOCATED IN THE CITY OF
RICHMOND, VIRGINIA
SCALE: 1"= 40'
DATE: AUGUST 31, 2021

THE BAY COMPANIES
bay
CIVIL ENGINEERS



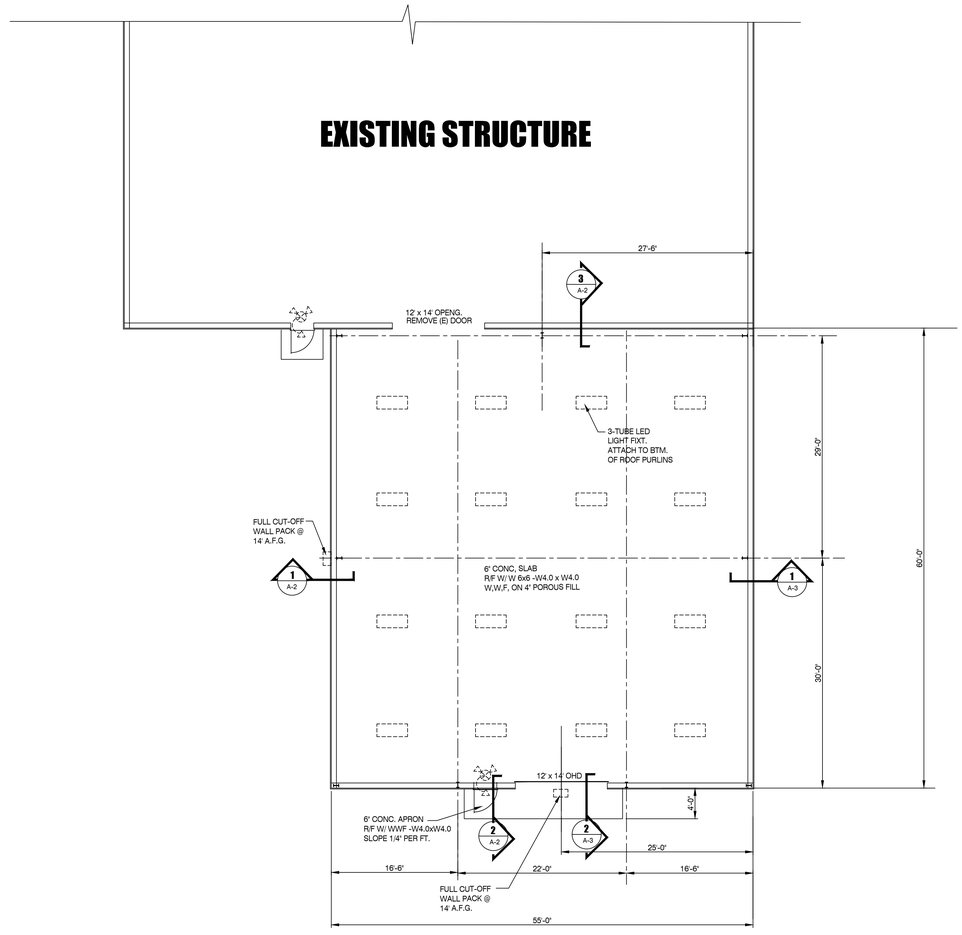
REAR ELEVATION

1/8" = 1'-0"



LEFT & RIGHT ELEVATION

1/8" = 1'-0"



FLOOR PLAN

1/8" = 1'-0"

BUILDING CODE NOTES:

VUSBC / IBC 2015 , ICC / ANSI A117.1 2009

BUILDING USE : M

CONSTRUCTION TYPE : IIB SPRINKLERED

AREA / OCCUPANCY : (S1) 3000 S.F. = 6

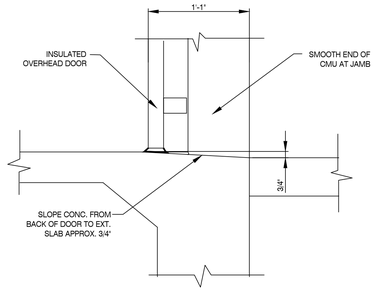
TAW CONSTRUCTION LLC
CLASS " A " CONTRACTOR
10004 LICKINGHOLE RD
GLEN ALLEN , VIRGINIA 23059
CONSTRUCTION / PLANNING / DESIGN
PHONE: (804) 747-9600 / EMAIL: TAMOS@TAW.US.COM

JZ
STRUCTURAL CONSULTING, INC
42820 NATIONS ST
CHANTILLY, VA 20152
P (703) 327-9912 F (703) 327-8285

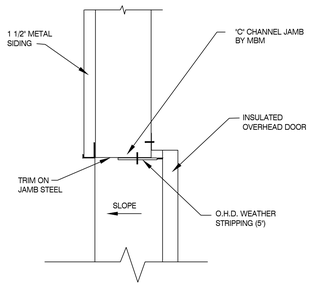
ADDITION TO J.E. FIFER SHEET METAL FABRICATORS INC.
2301 OLD DOMINION ST, RICHMOND, VIRGINIA

JOB NO: 2119
DATE: 10-18-21
REV: ,
SCALE: AS NOTED
SHEET: SECTIONS/DETAILS

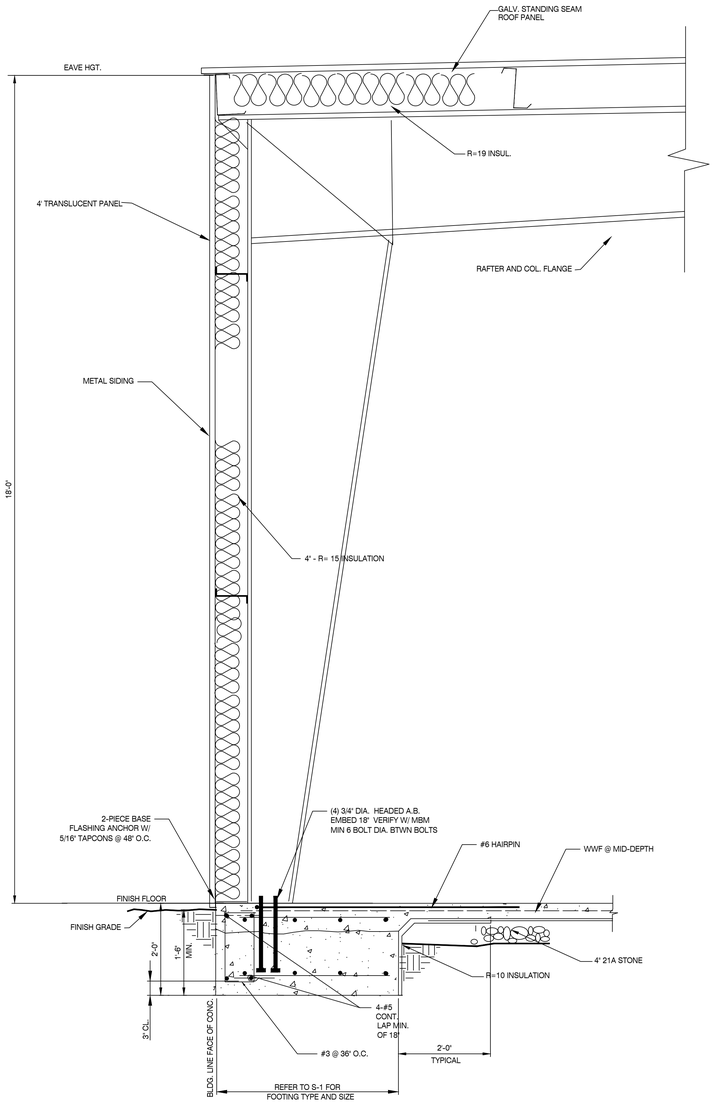
A-1



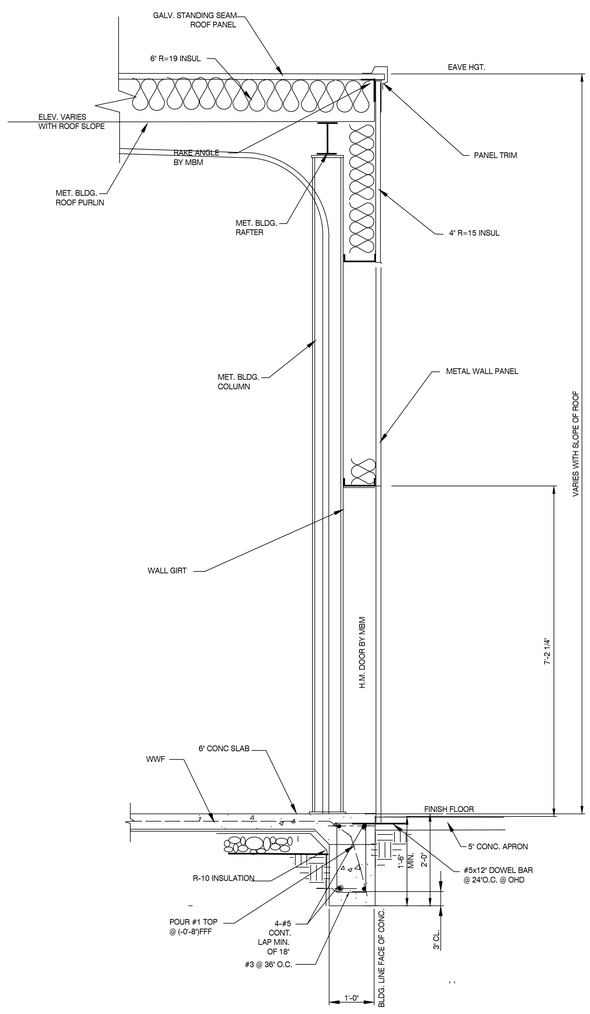
DETAIL A
1 1/2" = 1'-0"
A-3



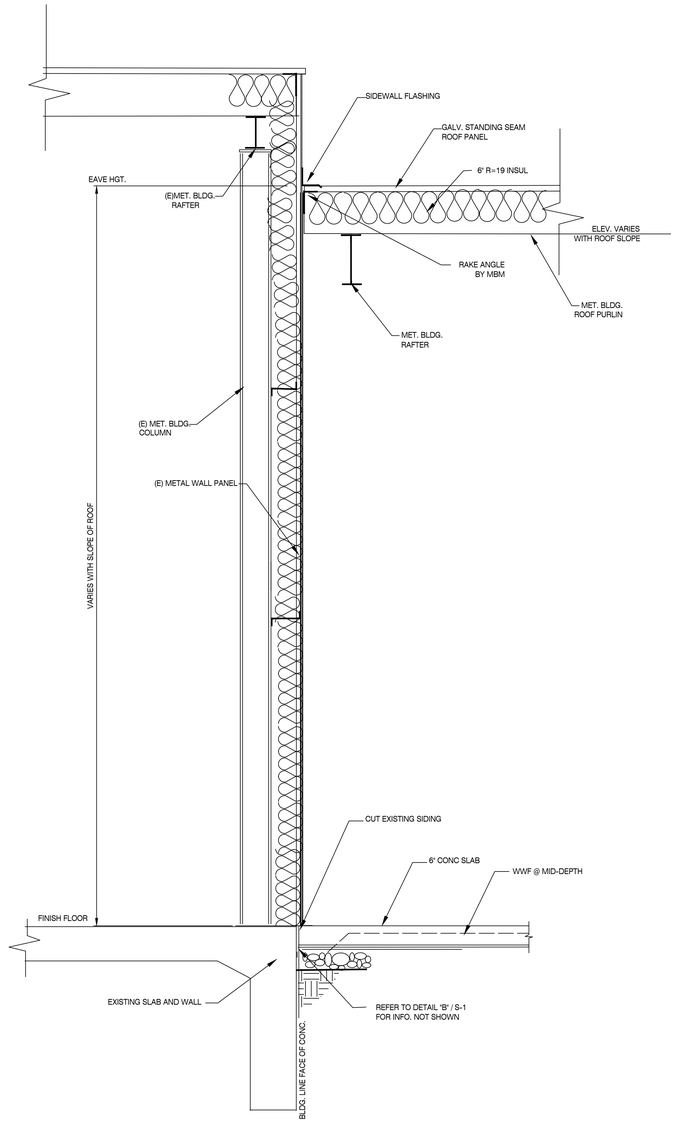
DETAIL B
1 1/2" = 1'-0"
A-3



SECTION 1
3/4" = 1'-0"
A-2



SECTION 2
3/4" = 1'-0"
A-2



SECTION 3
3/4" = 1'-0"
A-2

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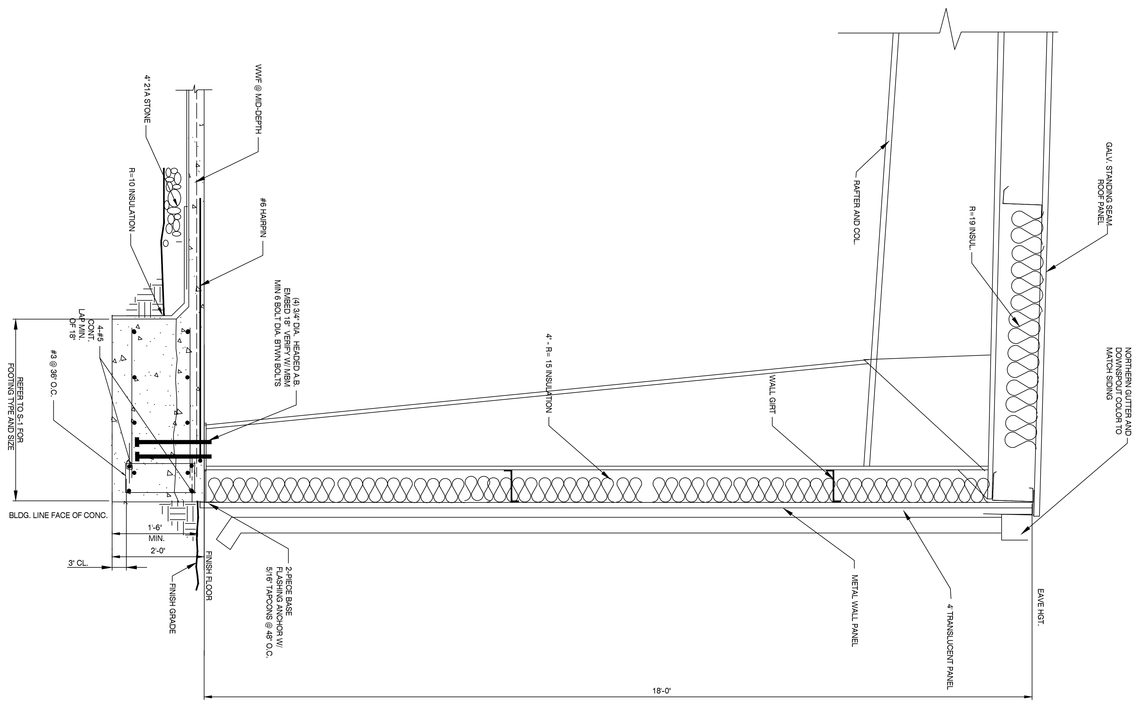
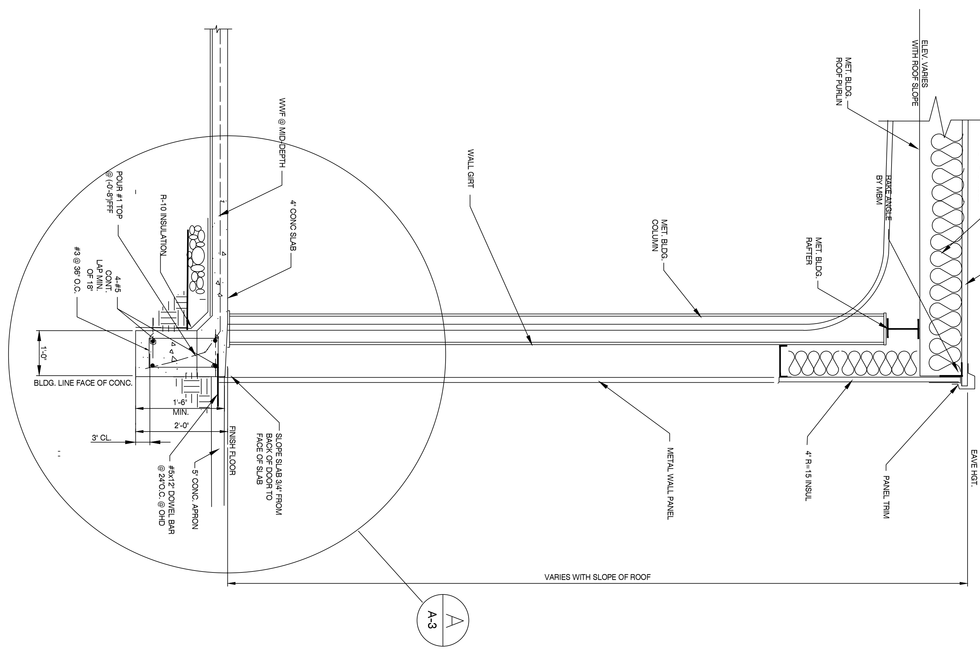
ADDITION TO J.E. FIFER SHEET METAL FABRICATORS INC.
2301 OLD DOMINION ST, RICHMOND, VIRGINIA

JOB NO: 2119
DATE: 10-18-21
REV: .
SCALE: AS NOTED
SHEET: SECTIONS/DETAILS

A-2



SECTION 1
3/4" = 1'-0"



SECTION 2
3/4" = 1'-0"

ADDITION TO
J.E. FIFER SHEET METAL FABRICATORS INC.
2301 OLD DOMINION ST, RICHMOND, VIRGINIA

JOB NO: 2119
DATE: 10-18-21
REV.:
SCALE: AS NOTED
SHEET: SECTIONS/DETAILS

A-3

JZ STRUCTURAL CONSULTING, INC
4220 NATIONS ST
CHANTILLY, VA 20152
P (703) 327-9912 F (703) 327-8286

TAW CONSTRUCTION LLC
CLASS " A " CONTRACTOR
10004 LICKINGHOLE RD
GLEN ALLEN , VIRGINIA 23059
CONSTRUCTION / PLANNING / DESIGN
PHONE: (804) 747-9600 / EMAIL: TAMOS@TAW.US.COM

GENERAL NOTES

PRE-ENGINEERED BUILDINGS:

1. THE DESIGN SHALL BE THE RESPONSIBILITY OF THE PRE-ENGINEERED BUILDING MANUFACTURER AND SHALL BE PREPARED UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER REGISTERED IN THE COMMONWEALTH OF VIRGINIA.
2. DESIGN CRITERIA
   A. PRIMARY AND SECONDARY STRUCTURAL MEMBERS AND EXTERIOR COVERING MATERIALS: METAL BUILDING MANUFACTURER'S ASSOCIATION'S (MBMA) "DESIGN PRACTICES MANUAL'.
   B. STRUCTURAL STEEL MEMBERS: AMERICAN INSTITUTE OF STEEL CONSTRUCTION'S (AISC) "SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
   C. LIGHT GAGE STEEL MEMBERS: AMERICAN IRON AND STEEL INSTITUTE'S (AISI) "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS" AND "DESIGN OF LIGHT GAGE STEEL DIAPHRAGMS".
   D. FOR WELDED CONNECTIONS: AMERICAN WELDING SOCIETY'S (AWS) "STANDARD CODE FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION".
3. DESIGN LOADS: BASIC DESIGN LOADS, AS WELL AS AUXILIARY AND COLLATERAL LOADS, ARE INDICATED BELOW.
   A. GRAVITY LIVE LOADS, WIND AND SEISMIC LOADS AS INDICATED IN "DESIGN LIVE LOADS" SECTION OF THESE NOTES.
   B. BASIC DESIGN LOADS INCLUDE, IN ADDITION TO DEAD LOAD, LIVE LOAD, WIND LOAD, SEISMIC LOAD, CRANE LOAD WHERE INDICATED ON THE DRAWINGS.
   C. AUXILIARY LOADS INCLUDE DYNAMIC LIVE LOADS SUCH AS THOSE GENERATED BY CRANES AND MATERIALS HANDLING EQUIPMENT.
   D. COLLATERAL LOADS INCLUDE ADDITIONAL DEAD LOADS OVER AND ABOVE THE WEIGHT OF THE METAL BUILDING SYSTEM SUCH AS MECHANICAL SYSTEMS, LIGHTING, MEZZANINE FLOOR LOADS.
   E. DESIGN EACH MEMBER TO WITHSTAND STRESSES RESULTING FROM COMBINATIONS OF LOADS THAT PRODUCE ALLOWABLE STRESSES IN THAT MEMBER, AS PRESCRIBED IN MBMA'S "DESIGN PRACTICES MANUAL".
4. SUBMIT COMPLETE DESIGN CALCULATIONS AND ERECTION DRAWINGS SHOWING ANCHOR BOLT SETTINGS, SIDEWALL, ENDWALL AND ROOF FRAMING, TRANSVERSE CROSS SECTIONS, COVERING AND TRIM DETAILS, AND ACCESSORY INSTALLATION DETAILS TO CLEARLY INDICATE PROPER ASSEMBLY OF BUILDING COMPONENTS.
5. DESIGN CALCULATIONS AND ERECTION DRAWINGS SHALL BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE COMMONWEALTH OF VIRGINIA.

DESIGN LOADS:

1. ROOF LIVE LOAD: 20 PSF OR ROOF SNOW LOAD WHICHEVER IS GREATER
   ROOF COLLATERAL 5 PSF
   GROUND SNOW LOAD (Pg) 20 PSF
2. LATERAL LOADS:
   WIND LOAD:
   BASIC WIND SPEED (V3s) = 90 MPH
   EXPOSURE CATEGORY 'B'
   IMPORTANCE FACTOR, I = 1.0

   SEISMIC DESIGN:
   SPECTRAL ACCELERATION VALUES:
   Ss = 0.240, S1 = 0.062

GENERAL:

1. IBC LATEST ADDITION (AS AMENDED)
2. JZC CONSULTING HAS PROVIDED STRUCTURAL DESIGN DOCUMENTS FOR THE BUILDING FOUNDATION OF THE METAL BLDG. MANUFACTURER IS RESPONSIBLE FOR THE BUILDING ROOF, DECK, PURLINS, GIRTS, AND MAIN FRAMES INCLUDING ANCHOR BOLT SIZE AND LOCATION. THE MANUFACTURER SHALL IDENTIFY ALL LOADS PLACED ON THE BUILDING FRAMING INCLUDING WIND, SEISMIC,LIVE, SNOW, COLLATERAL (SPRINLKER ,INSULATION,CEILING, MECHANICAL, PLUMBING , ARCHITECTURAL) FROM THE APPROPRIATE PLANS SPECIFICATIONS AND SHOP DRAWINGS. THE MANUFACTURER SHALL PROVIDE SUPPORT BOTH HORIZ. AND VERT. AND FOR WALLS AND SECTIONS OF WALLS AS REQUIRED BY CONTRACT DOCUMENTS WITHIN PRESCRIBED DRIFT AND DEFLECTION LIMITS FOR THE TYPE OF CLADDING MATERIAL SUPPORTED. LIVE LOAD REDUCTION (ASCE 705) IS NOT PERMITTED TO BE USED IN THE DESIGN OF BUILDING PURLINS, GIRTS OR FRAMES, FOR DESIGN PURPOSES A 10 YEAR WIND MAY BE TAKEN AS 75% OF THE 50 YEAR DESIGN WIND.
3. STRUCTURAL DRAWINGS ARE INTENDED TO BE USED IN CLOSE COORDINATION WITH METAL BUILDING DRAWINGS; ANY DIMENSIONAL DISCREPANCY OR OMISSION SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND RESOLVED BEFORE BEGINNING CONSTRUCTION.
4. VERIFY AND COORDINATE ALL MECHANICAL UNIT SUPPORTS AND OPENINGS WITH EQUIPMENT PURCHASED FOR THE PROJECT. SHOP DRAWINGS SUBMITTED SHALL INDICATE ACTUAL MECHANICAL REQUIREMENTS.

CONCRETE:

1. CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF ACI 318-95 'BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE' WITH COMMENTARY AND SHALL HAVE THE FOLLOWING PROPERTIES:

   SLUMP 2'-4" MAXIMUM.
   AGGREGATE 1" MAXIMUM NORMAL WEIGHT.
   AIR ENTRAIN ALL EXTERIOR CONCRETE 6% + 1.5
   MINIMUM 28 DAY COMPRESSIVE STRENGTH:

   FOOTINGS 3500 PSI
   INTERIOR & EXT. SLAB ON GRADE 3500 PSI

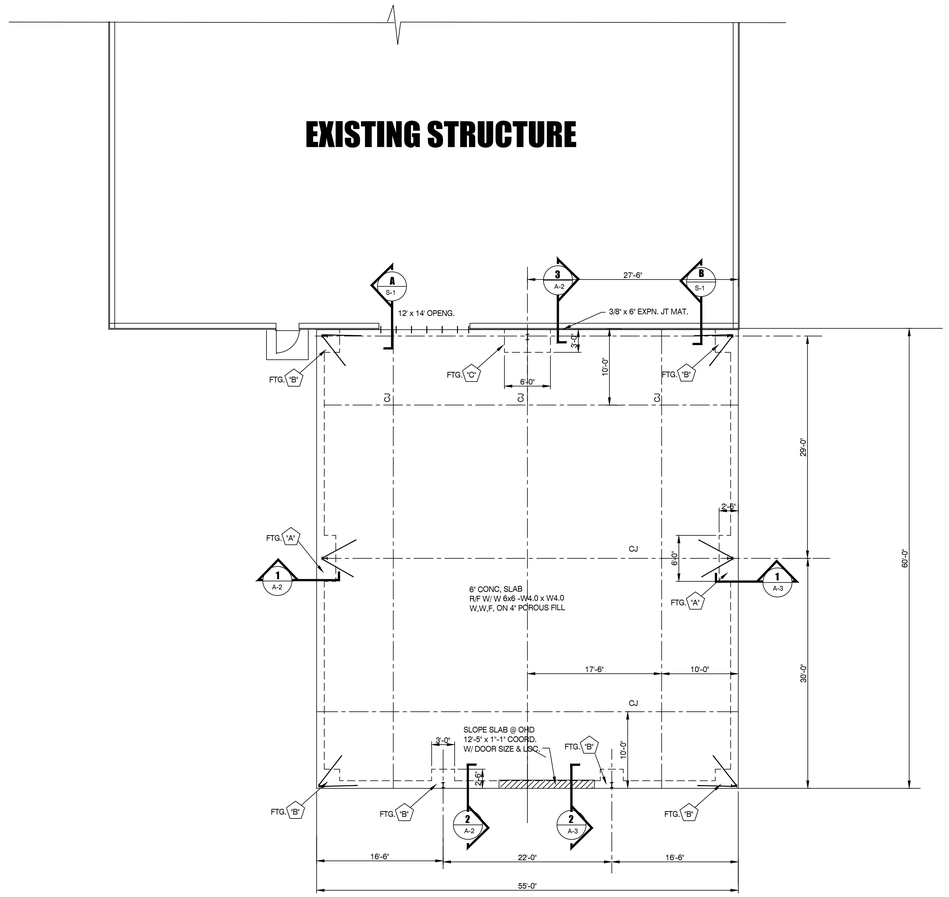
   FLY ASH OR GROUND GRANULATED BLAST-FURNACE SLAG MAY BE USED AS A SUBSTITUTE FOR A PORTION OF THE PORTLAND CEMENT IN A CONCRETE MIX. FLY ASH, WHEN USED, SHALL CONFORM TO ASTM C618, CLASS F. GROUND GRANULATED BLAST-FURNACE SLAG, WHEN USED, SHALL CONFORM TO ASTM C989, GRADE 120. CONCRETE MIXES USING EITHER OF THESE MATERIALS SHALL BE PROPORTIONED TO ACCOUNT FOR THE SPECIFIC PROPERTIES OF BOTH THE MATERIAL USED AS WELL AS THE CONCRETE PRODUCED. WHEN USED, THE RATIO OF THE AMOUNT OF EITHER MATERIAL TO THE TOTAL AMOUNT OF MATERIAL AND PORTLAND CEMENT IN THE MIX SHALL NOT EXCEED 25%. THE USE OF EITHER MATERIAL IS AT THE OPTION OF THE GENERAL CONTRACTOR, NOT CONCRETE SUPPLIER.
2. REINFORCING :
   #3: ASTM A615 GRADE 40, UNLESS OTHERWISE INDICATED.
   #4 OR GREATER: ASTM A615 GRADE 60, UNLESS OTHERWISE INDICATED.
   WELDED WIRE FABRIC: ASTM A185
3. PROVIDE 4" STONE BASE (VDOT #57) AND 10 MIL POLYETHYLENE VAPOR RETARDER. CONCRETE SLABS SHALL BE LEVEL TO WITHIN 1/4" IN 10'-0", UNLESS OTHERWISE INDICATED.
4. REINFORCE ALL RE-ENTRANT CORNERS OF SLAB CASTINGS WITH 2-#4 x 3'-0" LONG IN ADDITION TO WELDED WIRE FABRIC SPECIFIED.
5. WHERE FLOOR SLAB ABUTS CMU OR CONCRETE WALL PROVIDE BOND BREAK BY TURNING UP VAPOR RETARDER AT PERIMETER.
6. CONCRETE CONTRACTOR SHALL COORDINATE WITH ALL OTHER SUB-CONTRACTORS TO PROVIDE INSERTS, SLEEVES AND WELD PLATES FOR FUTURE ATTACHMENT OF WORK BY OTHER TRADES.
7. PROVIDE CLEAR DISTANCE TO OUTERMOST REINFORCING AS FOLLOWS:

   CONCRETE CAST AGAINST EARTH 3 INCHES

   CONCRETE EXPOSED TO EARTH OR WEATHER:
   #5 OR SMALLER 1-1/2 INCHES
   #6 OR LARGER 2 INCHES
   OTHER CONCRETE:
   SLABS & WALLS 3/4 INCHES
8. REINFORCING STEEL SHALL CONFORM TO A615-GR60; MESH SHALL CONFORM TO ASTM A185 WITH MINIMUM LAPS OF 8". PLACING PLANS AND SHOP FABRICATION DETAILS SHALL BE IN ACCORDANCE WITH "THE MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES". FURNISH SUPPORT BARS AND ACCESSORIES IN ACCORDANCE WITH C.R.S.I. STANDARDS.
9. ANCHOR BOLTS SHALL BE A36 AND SHALL BE PLACED PER ANCHOR BOLT PLAN BY CHIEF, THE BUILDING MANUFACTURER.

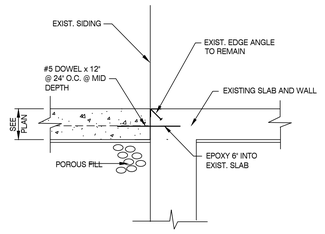
EARTHWORK:

1. SOIL BEARING VALUE AT THE BOTTOM OF ALL FOOTINGS IS ASSUMED TO BE 2000 PSF. THIS VALUE WILL BE VERIFIED BY ATLANTIC GEOTECHNICAL SERVICES , INC. IN THE FIELD PRIOR TO CONSTRUCTING FOOTINGS.
2. BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BE A MINIMUM OF 1'-6" BELOW FINISH EXTERIOR GRADE. WHERE REQUIRED, STEP FOOTINGS IN RATIO OF 2 HORIZONTAL TO 1 VERTICAL.
3. COMPACTED BACKFILL BELOW BUILDING SLABS - ALL SOIL FILL MATERIAL MUST BE APPROVED BY SOILS ENGINEER PRIOR TO PLACEMENT. MATERIALS TO BE FREE FROM ORGANIC MATERIAL, TRASH, MUCK, CONCRETE, ASPHALT OR OTHER DELETERIOUS SUBSTANCES. PRIOR TO PLACING FILL, THE EXISTING SURFACE SHALL BE CLEARED OF ALL REFUSE OR ORGANIC MATERIALS. FILL MATERIAL SHALL BE PLACED IN LAYERS NOT TO EXCEED 8" AND COMPACTED TO MIN. 95% OF THE DRY MAX. DENSITY AS DETERMINED BY ASTM D698.

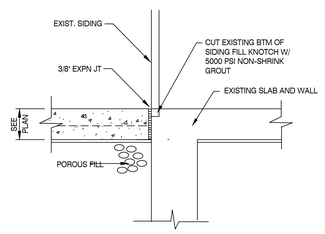


FOUNDATION PLAN

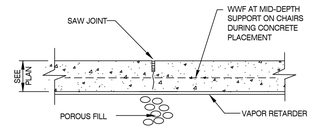
1/8" = 1'-0"



DETAIL "A"
1 1/2" = 1'-0"

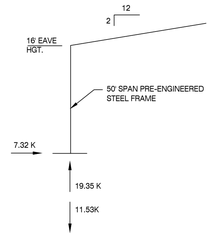


DETAIL "B"
1 1/2" = 1'-0"



CONTROL JOINT (SLAB) (SCJ)
1 1/2" = 1'-0"

NOTES:
1. SAWCUT 1/8"x 1/4 SLAB THICKNESS AS SOON AS CONCRETE WILL SUPPORT EQUIPMENT AND NOT MORE THAN (4) HOURS AFTER PLACEMENT.



REACTION DIAGRAM
THE FOUNDATION IS DESIGNED FOR THE REACTIONS SHOWN.

TAW CONSTRUCTION LLC
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ADDITION TO
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FABRICATORS INC.
2301 OLD DOMINION ST, RICHMOND, VIRGINIA

JOB NO: 2119
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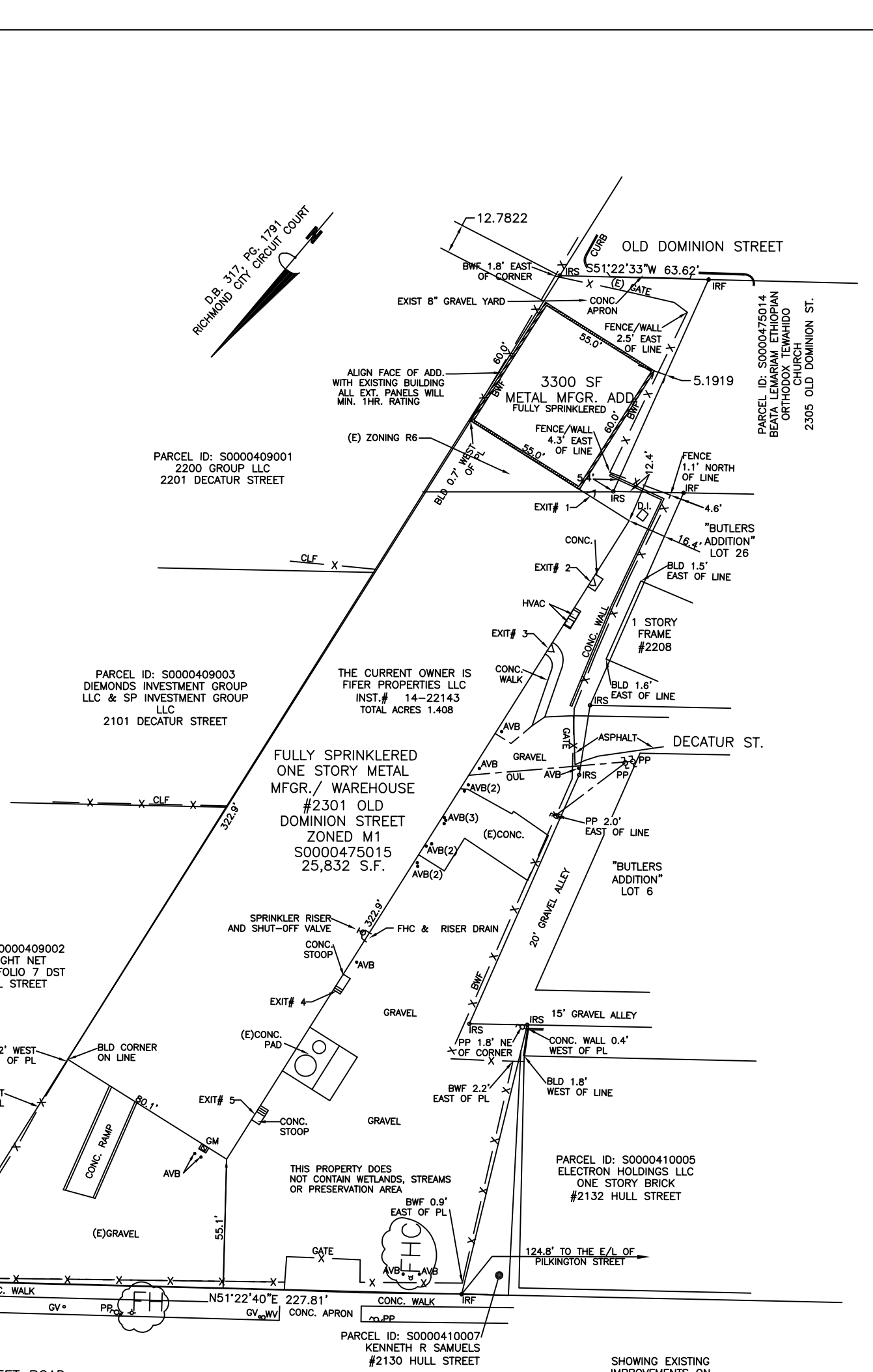
S-1



SHOWING EXISTING IMPROVEMENTS ON 2301 OLD DOMINION ST. LOCATED IN CITY OF RICHMOND VA.

LEGEND:

IRF	IRON ROD FOUND	PL	PROPERTY LINE
IRS	IRON ROD SET	CLF	CHAIN LINK FENCE
HVAC	AIR CONDITION UNIT	BWF	BARB WIRE FENCE
AVB	PIPE BOLLARD	GV	GAS VALVE
PP	POWER POLE	FH	FIRE HYDRANT
OUL	OVERHEAD UTILITY LINES	WV	WATER VALVE
		FHC	FIRE HOSE CONN.
		D.I.	DROP INLET

THIS PROPERTY LIES IN AN AREA DESIGNATED AS ZONE "X" AS SHOWN ON FEMA FLOOD RATE MAP COMMUNITY PANEL #5101290039E. REVISED EFFECTIVE DATE 07/16/2014

THE LAND DELINEATED HERON IS LOCATED IN THE CITY OF RICHMOND, VIRGINIA AND IS KNOWN AS PARCEL ID: S0000475015

40 0 40 80 120

GRAPHIC SCALE

1" = 40'

FIRE PLAN

RENO/ADDITION TO EXISTING BUILDING
2301 OLD DOMINION ROAD
RICHMOND, VIRGINIA

COMMISSION NO.: 2110

DATE: 3-18-221

REVISIONS:

DRAWN BY: TIM AMOS

REVIEWED BY:

FIRE PLAN

F-1

	Project: Fifer Warehouse addition Cat#: NV-W-T3-32L-7-40K-UNV-WM-STD FIN	Type A

NLS LIGHTING

NV-W

HIGH PERFORMANCE FULL CUT OFF WALL PACK

FORM AND FUNCTION
- Sleek, low profile housing
- Spec grade performance
- Engineered for optimum thermal management
- L70 480,000
- Reduces energy consumption and costs up to 65%

CONSTRUCTION
- Die Cast Aluminum
- Internal cooling fins, Finite Element Analysis (FEA) designed
- Corrosion resistant external hardware
- One-piece silicone gasket ensures IP-65 seal for electronics compartment
- Two-piece silicone Micro Optic system ensures IP-67 level seal around each PCB
- Silicone Micro Optics: Recessed, full cutoff, vandal resistant and non-yellowing
- Dark Sky Compliant

FINISH
- 3-5 mils electrostatic powder coat.
- NLS' standard high-quality finishes prevent corrosion protects against and extreme environmental conditions

WARRANTY
Five-year standard warranty

LISTINGS
- Certified to UL 1598
- UL 8750
- CSA C22.2 No. 250.0
- DesignLights Consortium® (DLC)
- DesignLights Consortium Premium® (DLCP)
- IP65/ IP67 Rated

PROUDLY MADE IN THE U.S.A.

POWDER COATED TOUGH · MICROPTICS · c UL us LISTED · DLC LISTED · DLC PREMIUM · IP65 · IP67

LED WATTAGE CHART

	16L	32L
350 milliamps	19w	-
530 milliamps	29w	-
700 milliamps	37w	71w
1050 milliamps	56w	-

Project Name:

Type: A

NV-W	T-3	32L	7	40K	UNV	WM		
Cat #	Light Dist.	No. of LEDs	Milliamp	Kelvin	Volts	Mounting	Color	Options
NV-W **(NV-W)**	Type 2 **(T2)** Type 3 **(T3)** Type 4 **(T4)**	16 **(16L)** 32 **(32L)** **700mA only*	350 **(35)** 530 **(53)** 700 **(7)** 1050 **(1)**	3000K **(30K)** 4000K **(40K)** 5000K **(50K)**	120-277 **(UNV)** 347-480 **(HV)**	Wall Mount **(WM)**	Bronze **(BRZ)** White **(WHT)** Silver **(SVR)** Black **(BLK)** Graphite **(GPH)** Grey **(GRY)** Custom **(CS)**	Marine Grade Finish **(MGF)** Dimming Control with Motion Sensor ***8' Heights and Below* (DC8)** ***9'-20' Heights* (DC20)** ***21'-40' Heights* (DC40)** Surge Protector **(10K)** Emergency Battery 4W **(EM4)** ** 516 - 564 Lumens, Certified CA Title 20.* Emergency Battery 8W **(EM8)** ** 1032 - 1128 Lumens, Certified CA Title 20.* Emergency Battery 16W **(EM16)** ** 2064 - 2256 Lumens, Certified CA Title 20.* Emergency Cold Pk Battery **(EMCP)** **14 Watt* ** 1806 - 1974 Lumens, Certified CA Title 20.* Housing Extension **(HE)** **To match EM Extension Box* Button Photo Cell **(PC)** **Universal Voltage 120-277* Nema 7-Pin Receptacle **(PE7)** **Requires Deep Back Box* Vanity Plate 16" SQ **(VP)**

	Project: Fifer Warehouse addition Cat#: NV-W-T3-32L-7-40K-UNV-WM-STD FIN	Type A

ELECTRICAL

- 120-277 Volts (UNV)
- 0-10V dimming driver by Philips Advance
- Driver power factor at maximum load is ≥ .95, THD maximum load is 15%
- All internal wiring UL certified for 600 VAC and 105°C
- All drivers, controls, and sensors housed in enclosed IP-65 compartment
- Lumileds Luxeon MX LED's
- CRI >70 MIN.
- Color temperatures: 3000K, 4000K, 5000K

OPTIONS

- **MARINE GRADE FINISH (MGF)**—A multi-step process creating protective finishing coat against harsh environments.
  - Chemically washed in a 5 stage cleaning system.
  - Pre-baked
  - Powder coated 3-5 mils of Zinc Rich Super Durable Polyester Primer.
  - 1-2 feet inside pole coverage top and bottom.
  - Oven Baked.
  - Finished Powder Coating of Super Durable Polyester Powder Coat 3-5 mil thickness.

- **VANITY PLATE (VP)**—The Vanity Plate was designed to cover the un-sightly remains on a wall where a larger HID wallpack was removed. The Vanity Plate will be painted to match the finish of the NV-W, custom finishes are available, please consult factory. The standard Vanity Plate is 16" x 16".

CONTROLS

- **DIMMING CONTROL (DCX)**—Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution.
  - All control parameters adjustable via wireless configuration remote storing and transmitting sensor profiles.
  - DC8 mounting heights 8 feet and below
  - DC20 mounting heights 9-20 feet
  - DC40 mounting heights 21-40 feet.
  - Includes 5 dimming event cycles, 0-10V dimming with motion sensing, reprogrammable in the field.

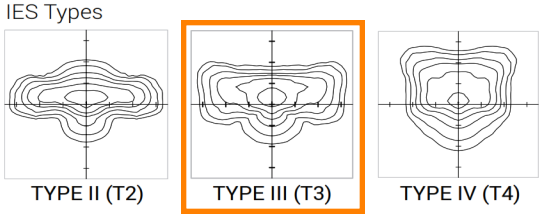
- **NEMA 7-PIN RECEPTACLE (PE7)**—An ANSI C136.41-2013 receptacle provides electrical and mechanical interconnection between photo control cell and luminaire. Dimming receptacle available two or four dimming contacts supports 0-10 VDC dimming methods or Digital Addressable Lighting Interface (DALI), providing reliable power interconnect.

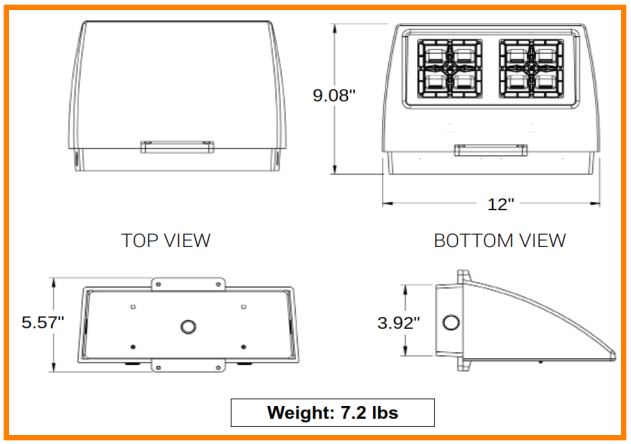
- **EMERGENCY BATTERY OPERATION**— The emergency battery backup is integral to the NV-W. All emergency backup configurations include a standalone secondary driver with integral relay to detect power loss. This meets NFPA 70/NEC 2008. The emergency battery will power the NV-W for 90 minutes once power is lost. Emergency battery pack are of NiCAD batteries. (EMCP) Emergency Cold Pack Batteries are rated for -20°C to 50°C.

OPTICS

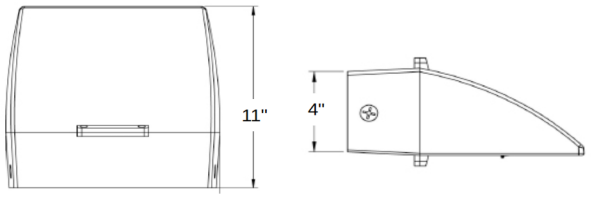
Silicone optics high photothermal stability and light output provides higher powered LEDs with minimized lumen depreciation LED life. UV and thermal stability with scratch resistance increases exterior application durability.

- IES Types

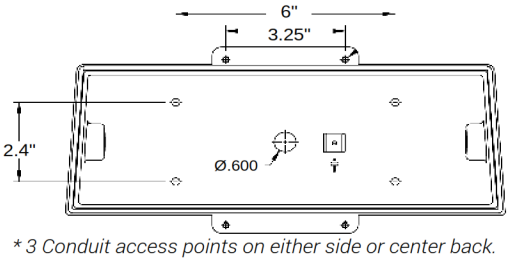




EMERGENCY BATTERY AND 7-PIN EXTENSION BOX DIMENSIONS



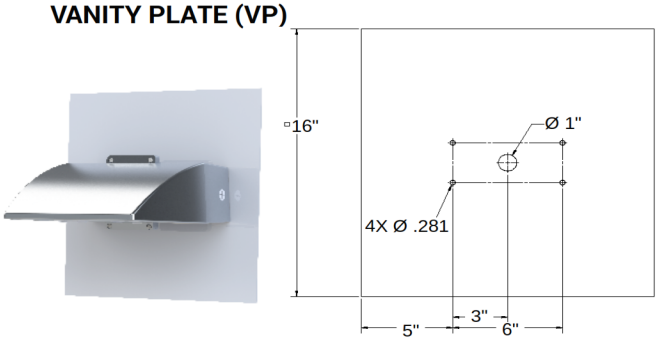
MOUNTING HOLE



** 3 Conduit access points on either side or center back.*

MOTION SENSOR PLACEMENT

VANITY PLATE (VP)



LUMENS							
PART NUMBER	T2	LM/W	T3	LM/W	T4	LM/W	W
NV-W 16L-35-30K	2470	130	2499	132	2470	130	19
NV-W 16L-35-40K	2618	138	2648	139	2618	138	19
NV-W 16L-35-50K	2618	138	2648	139	2618	138	19
NV-W 16L-53-30K	3544	122	3579	123	3544	122	29
NV-W 16L-53-40K	3756	130	3794	131	3756	130	29
NV-W 16L-53-50K	3756	130	3794	131	3756	130	29
NV-W 16L-7-30K	4388	119	4432	120	4388	119	37
NV-W 16L-7-40K	4651	126	4698	127	4651	126	37
NV-W 16L-7-50K	4651	126	4698	127	4651	126	37
NV-W 16L-1-30K	5970	107	6029	108	5970	107	56
NV-W 16L-1-40K	6328	113	6391	114	6328	113	56
NV-W 16L-1-50K	6328	113	6391	114	6328	113	56
NV-W 32L-7-30K	9010	127	9100	128	9010	127	71
NV-W 32L-7-40K	9550	135	9646	136	9550	135	71
NV-W 32L-7-50K	9550	135	9646	136	9550	135	71

BUG RATINGS				
PART NUMBER	T2	T3	T4	W
NV-W-16L-35-30K	B1-U0-G1	B1-U0-G1	B1-U0-G1	19
NV-W-16L-35-40K	B1-U0-G1	B1-U0-G1	B1-U0-G1	19
NV-W-16L-35-50K	B1-U0-G1	B1-U0-G1	B1-U0-G1	19
NV-W-16L-53-30K	B1-U0-G1	B1-U0-G1	B1-U0-G1	29
NV-W-16L-53-40K	B1-U0-G1	B1-U0-G1	B1-U0-G1	29
NV-W-16L-53-50K	B1-U0-G1	B1-U0-G1	B1-U0-G1	29
NV-W-16L-7-30K	B1-U0-G1	B1-U0-G1	B1-U0-G1	37
NV-W-16L-7-40K	B1-U0-G1	B1-U0-G1	B1-U0-G1	37
NV-W-16L-7-50K	B1-U0-G1	B1-U0-G1	B1-U0-G1	37
NV-W-16L-1-30K	B1-U0-G1	B2-U0-G2	B1-U0-G2	56
NV-W-16L-1-40K	B1-U0-G1	B2-U0-G2	B2-U0-G2	56
NV-W-16L-1-50K	B1-U0-G1	B2-U0-G2	B2-U0-G2	56
NV-W-32L-7-30K	B2-U0-G2	B2-U0-G2	B2-U0-G2	71
NV-W-32L-7-40K	B2-U0-G2	B2-U0-G2	B2-U0-G2	71
NV-W-32L-7-50K	B2-U0-G2	B2-U0-G2	B2-U0-G2	71

L70 DATA

TEMP.	NV-W L70 (16L-1050mA)
60.2°C	483,000

TEMP.	NV-W L70 (32L-700mA)
63°C	483,000

EMERGENCY BATTERY BACK-UP LUMENS							
PART NUMBER	T2	LM/W	T3	LM/W	T4	LM/W	W
EM4-30K	520	130	524	131	516	129	4
EM4-40K	544	136	548	137	540	135	4
EM4-50K	560	140	564	141	556	139	4
EM8-30K	1040	130	1048	131	1032	129	8
EM8-40K	1088	136	1096	137	1080	135	8
EM8-50K	1120	140	1128	141	1112	139	8
EM16-30K	2080	130	2096	131	2064	129	16
EM16-40K	2176	136	2192	137	2160	135	16
EM16-50K	2240	140	2256	141	2224	139	16
EMCP-30K	1820	130	1834	131	1806	129	14
EMCP-40K	1904	136	1918	137	1890	135	14
EMCP-50K	1960	140	1974	141	1946	139	14