

APPLICATION SPECIAL USE PERMIT

ADMINISTRATIVE CHANGE OF OWNERSHIP OR MINOR AMENDMENT

[]	Change of Ow	nership [] Minor A	A m e n d m e n t	
[must use black ink or ty	/pe]				
PROPERTY LOCATION	l:				
TAX MAP REFERENCE					
APPLICANT					
Name:					
Address:					
PROPERTY OWNER					
Name:					
Address:					
SITE USE:					
Business Name:	Current:		Proposed (if	changing):	
[] THE UNDERSI the provisions of Article XI,	G N E D hereby applies for Division A, Section 11-5		-		
conditions of the current sp	G N E D hereby applies fo	ing all other applica	ble City codes a	and ordinances.	accordance with the
[] THE UNDERSI permit. The undersigned a correct and accurate to the		information herein			
Print Name of Applicant or A	gent	Signat	ure		
Mailing/Street Address		 Teleph	one #	Fax #	
City and State	Zip Code	Email	address		
		Date			
	DO NOT WRITI	E IN THIS SPACE	- OFFICE USE	ONLY	
Application Received:		Fee	Paid: \$		
Legal advertisement:					
ACTION - PLANNING COM	MUSSION	ACTIO	ON - CITY COLIN	CII ·	

S	oecial	Use	Permit	#	
•	poorar	000	1 01 11111	"	

The following information must be furnished to the Department of Planning and Zoning to determine if the current use conducted on the premises complies with the special use permit provisions and all other applicable codes and ordinances.

1.	Most recent Sp					ne subject i	JS e .	
	Date approved		_ / day		_			
	Name of applic	cant on mo	st recent spe	cial use permit				
	Use							
opera	Describe be ing and Zoning cation, number of passary.)	an understa	and the natur	e of the change	e in operation;	include inform		type of
							· · · · · · · · · · · · · · · · · · ·	

3. Describe any proposed <i>changes</i> to the business from what was represented to the Planning Commission and City Council during the special use permit approval process, including any proposed changes in the nature of the activity, the number and type of patrons, the number of employees, the hours, how parking is to be provided for employees and patrons, any noise emitted by the use, etc. (Attach additional sheets if necessary)

		month day year
	escribe any proposed changes to the	conditions of the special use permit:
	re the hours of operation proposed to yes, list the current hours and proposed hours	
C	current Hours:	Proposed Hours:
_		
_		
_		
	/ill the number of employees remain th no, list the current number of employees and t	
(current Number of Employees:	Proposed Number of Employees:
_		
	Vill there be any renovations or new e yes, describe the type of renovations and/or lis	
_		
_		

Special Use Permit #___

ls off-street parking provi fyes, how many spaces, and v	ded for your customers?Yes No where are they located?
f yes, describe the current num	se in the number of seats or patrons served?Y ber of seats or patrons served and the proposed number of s, list the number of seats by type (i.e. bar stools, seats at tab
Current:	Proposed:
f yes, attach drawings showing	he structure or interior space requested? Yes gexisting and proposed layouts. In both cases, include the flee a, customer service area, and/or office spaces.
f yes, attach drawings showing devoted to uses, i.e. storage are	existing and proposed layouts. In both cases, include the flo
f yes, attach drawings showing devoted to uses, i.e. storage are	g existing and proposed layouts. In both cases, include the floor, customer service area, and/or office spaces. e in the building area devoted to the business?
f yes, attach drawings showing devoted to uses, i.e. storage are as there a proposed increas f yes, describe the existing am	g existing and proposed layouts. In both cases, include the floor, customer service area, and/or office spaces. e in the building area devoted to the business?ount of building area and the proposed amount of building area.

Special Use Permit #____

Special Use Permit #	Special	Use	Permit	#
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17. Each application shall contain a clear and concise statement identifying the applicant, including the name and address of each person owning an interest in the applicant and the extent of such ownership interest. If the applicant, or one of such persons holding an ownership interest in the applicant is a corporation, each person owning an interest in excess of ten percent (3%) in the corporation and the extent of interest shall be identified by name and address.

For the purpose of this section, the term "ownership interest" shall include any legal or equitable interest held in the subject real estate at the time of the application. If a nonprofit corporation, the name of the registered agent must be provided.

Please provide ownership information here:

FOR YOUR INFORMATION

Special Use Permits Eligible for Administrative Approval

Certain uses of land that have potentially negative impacts on surrounding properties require special use permit approval from City Council. The City Council may impose conditions on the operation of the special use in order to protect the health, safety and welfare of the surrounding area. For new uses and for intensifications or amendments of existing uses, the Planning Commission and City Council conduct public hearings and decide whether to approve the request. The Director of Planning and Zoning, however, may approve a special use permit administratively if it is only a change in ownership or a minor amendment of a previously approved special use permit.

Special Use Permit for Change of Ownership

If the existing special use permit for an operation restricts the ownership of the use, a prospective owner may not take ownership of the operation until he receives special use permit approval for the change of ownership. Pursuant to Section 11-503, the director may approve the change and transfer the special use permit to a new owner, if the following conditions apply:

- 1) The applicant is not requesting a change in the conditions of the special use permit;
- 2) there have been no substantiated violations of the special use permit conditions;
- 3) there are no changes proposed or anticipated in the operation of the use involved;
- 4) the director has concluded that no new conditions or no amendments to existing conditions are necessary; and
- 5) following notice of the application in a newspaper of general circulation in the City, no person has requested that the director forward the application to the Planning Commission or City Council.

If the application does not meet any one of the above conditions, it must be docketed for the next available Planning Commission and City Council public hearings. If the Director approves a special use permit for change in ownership, the new owner must sign an agreement stating that he/she will to continue to comply with the special use permit conditions.

Special Use Permit for Minor Amendment

Pursuant to Sections 11-509 and 11-511 of the zoning ordinance, the director may approve minor amendments to approved special use permits. Only changes that constitute no more than a minimal enlargement or extension of the special use permit or that are so insignificant they will have little or no zoning impact on the surrounding neighborhood are eligible for administrative approval. If a change will intensify the use, it requires Planning Commission and City Council approval. Changes that intensify a use include any increase in the following:

- 1) Hours of operation;
- 2) number of seats;
- 3) number of employees; visitors of customers; or
- 4) number of vehicle trips generated.

The Director may not administratively approve minor amendments if any of the following apply:

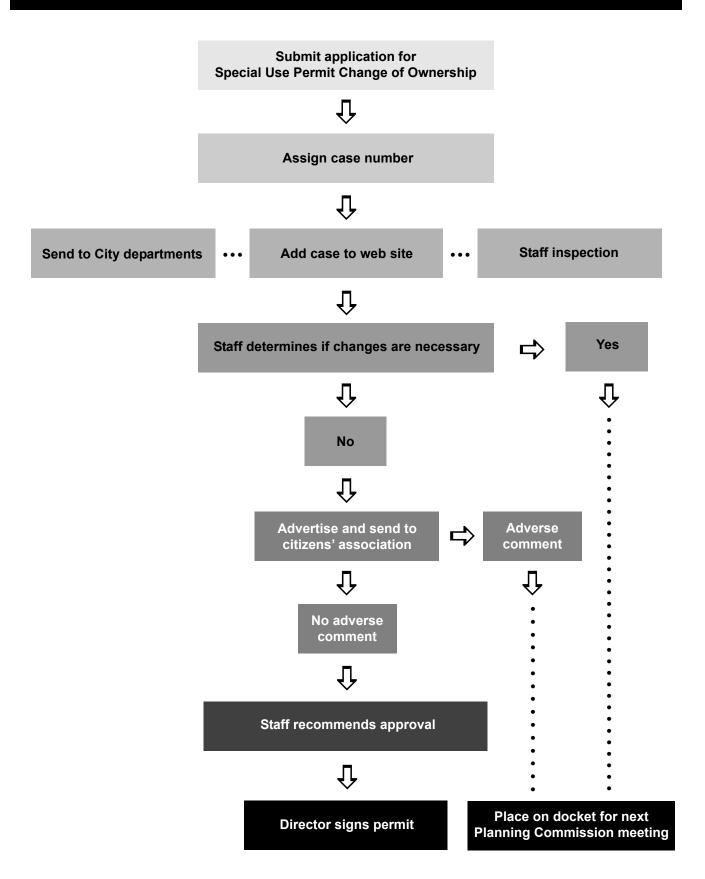
- 1) He/She has received written or oral complaints that the use is in violation of the zoning ordinance;
- 2) at the time the special use permit was approved, opposition was presented to the Planning Commission or City Council; or
- 3) new conditions or amendments to existing conditions are necessary.

Notice of the application is published in a newspaper of general circulation in the City and is sent to docket subscribers.

Approval Process

For both change in ownership and minor amendment special use permits, the approval process generally takes between four and six weeks from the time an application is submitted. During that time, staff will review the application, inspect the subject property for compliance with special use permit conditions and advertise the proposed change in the newspaper to provide an opportunity for citizens to comment on the change and, in the case of minor amendments, send notice to the Planning Commission and City Council must consider the application, he/she will docket the application for the next available Planning Commission and City Council hearings. At that time, the Director may require additional information regarding the application.

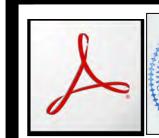
PROCESS FLOW CHART: Change of Ownership SUP



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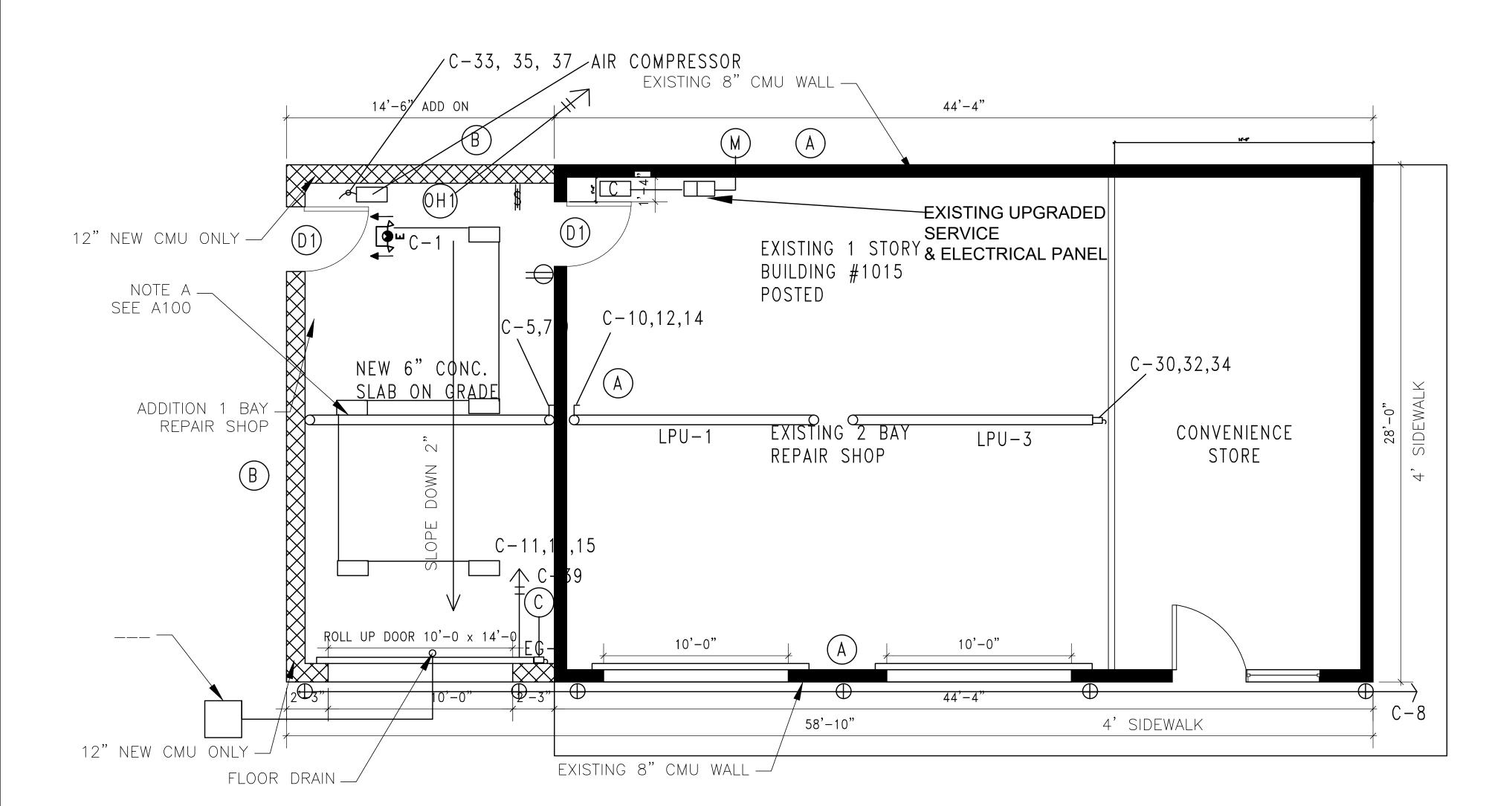




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ELECTRICAL

PLAN



NOTES:

- 1. ALL WIRING METHODS TO COMPLY WITH 2017 NEC & NCC CODES. ALL MATERIALS & EQUIPMENT SHALL BE UL LISTED & LABELED.
- 2. RECESSED FIXTURES SHALL BE SUPPORTED FROM BUILDING STRUCTURE.
- 3. PROVIDE MINIMUM PROPER CLEARANCE FOR ALL EQUIPMENTS
- SEPARATE PERMIT IS REQUIRED FOR ELECTRICAL WORK & INSPECTIONS BY COUNTY PRIOR TO COVER UP.

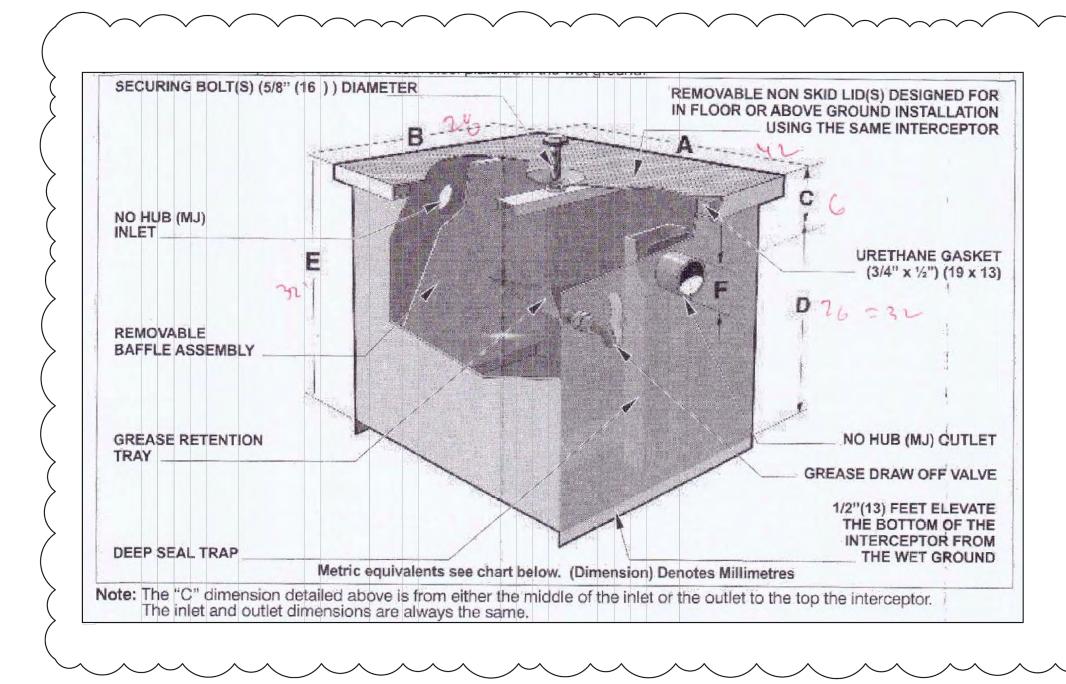
INTERIOR LIGHT WATT:

- 1. FIXTURE TYPE B = 64x9 = 576 W
- 2. REC. FIXTURE A = 60x3 = 180 W
- 3. EMERGENCY LIGHT = 6x3 = 18 W
- TOTAL = 774 W
- ALLOWABLE = $0.9 \times 400 = 21600 \text{ W}$ OKAY

PLAN NOTES:

1. OIL/GRIT INTERCEPTOR TO BE 42"x28"x32" DEEP MIFAB MI-G-SD-8 75 GPM FLOW RATE RECESED MOUNTED EPOXY COATED WITH GASKETED EPOXY COATED STEEL SKID PROOF COVER SECURED WITH FLEX HEAD CENTER BOLTS, DOUBLE WALL DEEP SEAL TRAP, MODEL NO 01-300-K OR APPROVED EQUAL INTERCEPTORS SHALL BE MAINTAINED BY PERIODIC REMOVAL OF ACCUMULATED GREASE/SAND AND SOLIDS DEPOSITED IN THE INTERCEPTOR.

UH1: 500000 ELECTRIC UNIT HTR-CEILING MOUNT



MODEL NO.	US GPM	GREASE CAP. LBS.	A	В	C	D	E	F	NO. OF LIDS	NO. OF BOLTS	SHIPPING WEIGHT (lbs.)	WEIGHT WHEN FILLED WITH WATER (lbs.)
-> O MI-G-S O MI-G-S O MI-G-S O MI-G-S O MI-G-S O MI-G-S	D-2 10 D-3 15 D-4 20 D-5 25 D-6 35 D-7 50	14 20 30 40 50 70 100 150	17.75" (451) 21.25" (540) 23.75" (603) 23.75" (603) 27.75" (705) 31.25" (794) 31.25" (794) 42" (1067)	13.75" (349) 15.75" (400) 15.75" (400) 15.75" (400) 18.75" (476) 23.75" (603) 23.75" (603) 28" (711)	3.5" (89) 3.5" (89) 3.5" (89) 3.5" (89) 5.5" (140) 5.5" (140) 6" (140)	8.5" (216) 9.5" (241) 11.5" (292) 14" (356) 14" (356) 16.5" (419) 18.5" (470) 26" (660)	12" (305) 13" (330) 15" (381) 17.5" (444) 17.5" (444) 22" (559) 24" (610) 32" (813)	2" (51) 2" (51) 2" (51) 3" (76) 3" (76) 3" (76) 3" (76) 4" (102)	1 1 1 1 1 2	1 1 1 4 4 8	65 85 100 105 140 205 215 355	118 169 217 245 340 558 615

OIL/GRIT INTERCEPTOR: SEE M1.1 FOR DETAIL. 21.25 x 15.75 x 13" DEEP MIFAB MI-G-SD-2 INTERCEPTOR = 4351 CU. IN. WHICH IS $\frac{335}{231}$ = 18.8 GALLONS.

ACTUAL FIXTURE VOLUME (75%) = 0.75 x 18.8 = 14 GALLONS

FIXTURE FLOW RATE WITH MAXIMUM 2 MINUTE FLOW RATE $\frac{14}{7}$ = 7 GALLONS

UTILIZE 10 GPM INTERCEPTOR, MIFAB MI-G-SD-2 FLOWRATE

	COLD WATER LINE
	HOT WATER LINE
	WASTE LINE
	VENT PIPE
•	POINT OF CONN.

ELECTRICAL WALL HEATER (EWH)

FAN FORCED RECESSED MOUNTED 0.7 KW WALL HEATER WITH INTEGRAL THERMOSTAT.

EXHAUST FAN SCHEDULE

N□.	CFM	S.P.	WATT	ELEC, DATA V/Ø	MODEL
FG1	3 5 0	0.25	350W	120/1	GN-4 0 0

NOTES:

- 1. ALL FAN TO HAVE VARIABLE SPEED CONTROL. 2. HANG FAN FROM STRUCTURE ABOVE, PROVIDE VIBRATION ISOLATOR,
- 3. PROVIDE FLEXIBLE CONNECTIONS ON DUCTS.
- 4. DUCTS TO HAVE 光" SOUND LINING WHERE SHOWN. 5. COORDINATE WITH ELECTRICAL DRAWINGS FOR ELECTRICAL CHARACTERISTICS.
- 6. FANS TO BE INLINE CENTRIFUGAL, CABINET TYPE 7. INTERLOCK FAN OPERATION WITH LIGHT SWITCH.
- 8. FANS TO BE MANUFACTURED BY LOREN COOK OR APPROVED EQUAL.
- 9. TOILET FAN SHALL HAVE BACK DRAFT DAMPER.

ELECTRIC WALL HEATER (EWH1) - FAN FORCED RECESS MOUNTED IN WALL WITH INTEGRAL THERMOSTAT CAPACITY 2 KW @ 208V/1Ø (9.6A) BASIS OF DESIGN QMARK CWH-208

VENTILATION CALCULATIONS

- PER IMC 2018, SEC 403 REQD. 0.75 CFM/S.F. OF VENTILATION FOR REPAIR GARAGE

AREA= 406 SQ, FT,

VENTILATION= $406 \times 0.75 = 305$ CFM

MAKE UP AIR IS FROM GARAGE DOORS & ENTRY DOORS

- PROVIDE EXHAUST FAN FG1 & 350 CFM 0.125" ESP, 208V 30 2.0 HP COOK 20A 9B OR EQUAL INSTALL FAN MINIMUM 10'-0" ABOVE FLOOR WITH FRAMING IN WALL PROVIDE DISCONNECT SWITCH AND CARBON MONOXIDE SENSORS (CO) AS SHOWN, FANS SHALL BE ACTIVATED WHEN CARBON DIOXIDE SENSORS REGISTER A CONCENTRATION OF 25 PPM OR MORE, PROVIDE CONTROL PANEL (C) FOR CARBON MONOXIDE DETECTION LOGIC, PROVIDE SWITCHED OVERRIDE AT GARAGE ENTRANCE ROLL UP DOOR.

SYMBOL KEY

2 POST N-GROUND LFT CHALLENGER CL16

CONTROL PANEL

VERIFY ALL LIFT EQUIPMENT DIMENSIONS WITH APPROVED MANUFACTURERS SHOP DRAWING AND ADJUST AS REQUIRED PRIOR TO BEGINNING CONSTRUCTION

KEY NOTES

8" DA EXHAUST DUCT TO CONNECT FROM EXHAUST FAN DRECTLY TO THE VEHICLE EXHAUST SYSTEM CONSTRUCTION NOTES:

1. ALL WORK IS TO BE COMPLETED IN ACCORDANCE WITH THE IBC 2018 BUILDING, 2018 IMC, 2018 IPC, 2017 NEC WITH CURRENT AMENDMENTS TO ALL CODES. THE ICC/ANSI A117.1-2003 EDITION FOR ACCESSIBILITY GUIDELINES, LOCAL ORDINANCES, AND EXCEED MINIMUM NATIONAL SANITATION FOUNDATION. SMACNA AND ASHRAE RECOMMENDATIONS.

ARCHITECTURAL DRAWINGS FOR CLEARANCES WITHIN THE CEILING SPACE, LOCATIONS AND SIZES OF BEAMS AND INSTALLATION INSTRUCTIONS AS REQUIRED. COORDINATE WITH STRUCTURAL AS REQUIRED. PATCH AND SEAL ALL PENETRATIONS AS REQUIRED BY CODE, APPROVED MATERIAL IS REQUIRED TO MAINTAIN FIRE AND WATER PROOFING RATINGS INTEGRITY.

3. SUBMIT SHOP DRAWINGS AND PRODUCT DATA FOR MANUFACTURED EQUIPMENT IN ACCORDANCE WITH ARCHITECT'S REQUIREMENTS.

4. COMPLY WITH MANUFACTURER'S RECOMMENDATIONS, NOTES AND DETAILS SHOWN HEREIN FOR INSTALLATION OF EQUIPMENT.

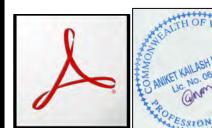
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Advance Structural Concepts, LLC. Consulting Engineers 10857 Main Street, Suite 101 Fairfax, VA 22030 none: (703) 865-7122 Fax: (703) 865-7155

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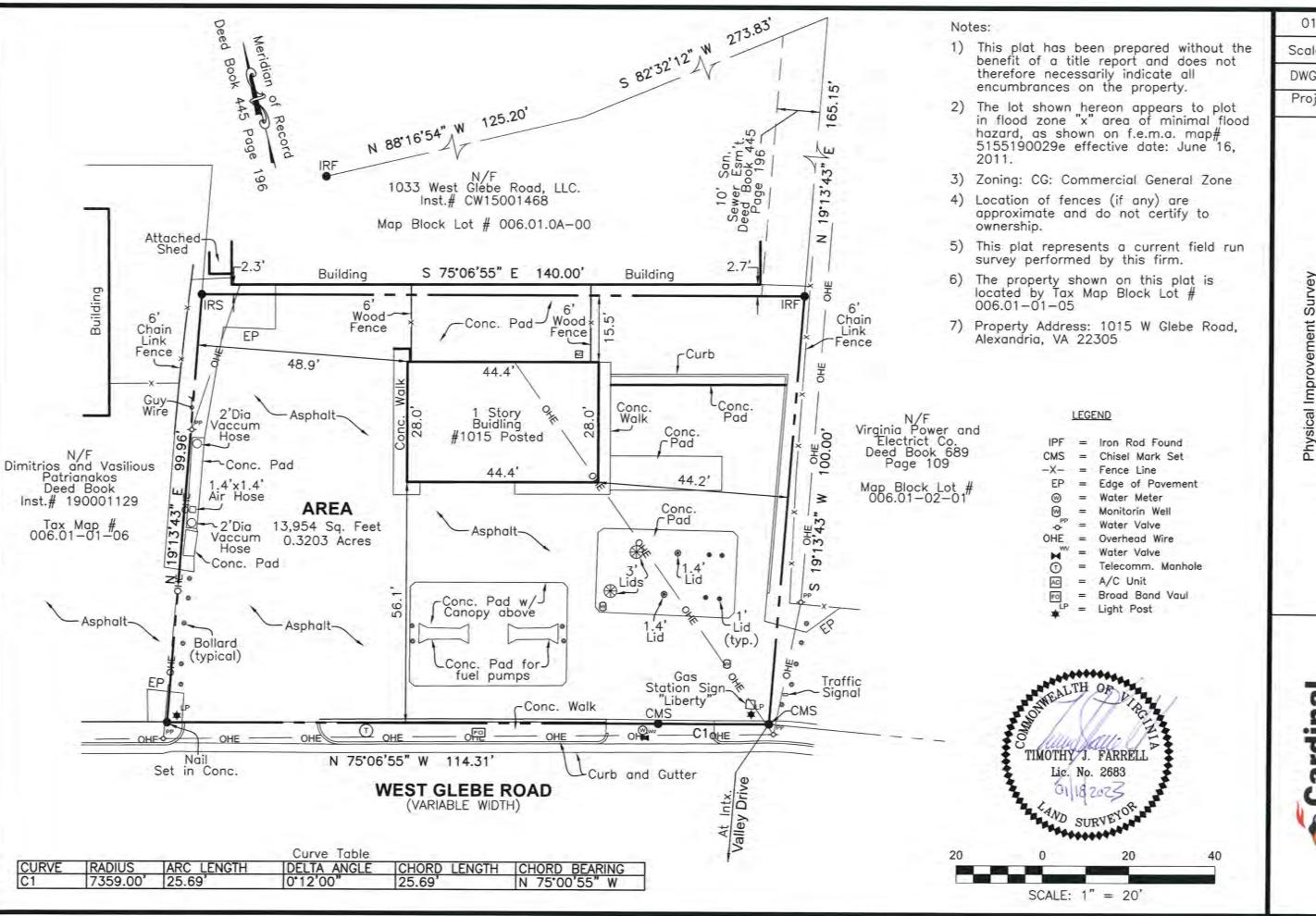
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DIGITALLY SIGNED BY ANIKET NANDA

DATE 2023.09.27 10:45:00-10'45"

MECHANICAL NOTES & SCHEDULES



01/18/2023

Scale: 1" = 20'

DWG BY: J.N.R.

Project Number: 23-014

Physical Improvement Survey On the property of 1015 W Glebe Road, LL Inst.# 200023515

Virginia

of Alexandria,

Cardinal
Cardinal
9255 Corporate Circle

9255 Corporate Circle Manassas, Virginia 20110 (703) 368-5866 - (757) 345-

2866

GENERAL ELECTRICAL NOTES:

1. WORK SHOWN ON DRAWINGS IS NEW U.N.O.

2. FOR CONSTRUCTION (COMPOSITION) OF FLOORS, WALLS, PARTITIONS, CEILINGS AND ROOF, SEE ARCH'L DRAWINGS.

3. IT IS THE INTENT OF THESE DRAWINGS AND OTHER RELATED DOCUMENTS TO PRODUCE A COMPLETE AND FUNCTIONING ELECTRICAL SYSTEM. PROVIDE LABOR, MATERIAL, AND SERVICES NECESSARY TO ACHIEVE THIS OBJECTIVE.

4. DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW ALL OFFSETS, BENDS, ELBOWS, OR OTHER SPECIFIC ELEMENTS WHICH MAY BE REQUIRED FOR COMPLETE INSTALLATION OF THE WORK. ADDITIONAL BENDS, OFFSETS AND CONDUIT AS REQUIRED BY VERTICAL AND HORIZONTAL EQUIPMENT LOCATION OR OTHER JOB CONDITIONS SHALL BE PROVIDED TO COMPLETE THE WORK AT NO ADDITIONAL COST TO THE OWNER.

5. THE LOCATION OF SWITCHES, RECEPTACLES, LIGHTING FIXTUERS, OUTLETS AND OTHER EQUIPMENT SHOWN ON PLANS ARE APPROX. SUCH ITEMS SHALL BE LOCATED SO AS TO ELIMINATE INTERFERENCE WITH EQUIPMENT. VERIFY DOOR SWING AND INSTALL LIGHT SWITCH ON THE LATCH SIDE.

6. COODINATE WORK WITH ARCHITECTURAL, CIVIL, MECHANICAL AND TELECOMMUNICATION SYSTEMS IN TERMS OF LOCATIONS AND EQUIPMENT SIZE.

7. EQUIPMENT SIZES SHOWN ON THE DRAWINGS ARE MINIMUM. BEFORE INSTALLING WIRING OR CONDUIT, THE CONTRACTOR SHALL OBTAIN THE EXACT EQUIPMENT REQUIREMENT AND INSTALL WIRE, CONDUIT, AND OTHER ITEMS locks upon any system alram or power failure. OF THE CORRECT SIZE FOR THE EQUIPMENT ACTURALLY INSTALLED. WIRE AND CONDUIT SIZES SHOWN ON THE DRAWINGS SHALL BE TAKEN AS A MINIMUM AND SHALL NOT BE REDUCED WITHOUT PRIOR WRITTEN APPROVAL FROM THE OWNER.

8. PERFORM WORK IN ACCORDANCE WITH THE APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. IN ADDITION, SYSTEMS AND EQUIPMENT SHALL CONFORM TO THE LATEST VERSION OF: -NATIONAL ELECTRICAL CODE

-NATIONAL FIRE PROTECTION ASSOCIATION

-STATE OF MARYLAND CODES AND ORDINANCES

MATERIAL AND EQUIPMENT SHALL BE UL LISTED.

10. CONDUIT/CIRCUITRY SHALL BE CONCEALED IN WALL AND/OR CEILING SPACE IN THE OCCUPIED FLOORS U.N.

11. PROVIDE PULL WIRE FOR EMPTY CONDUIT

12. ENSURE THAT LOADING ON 20 AMP SINGLE POLE BRANCH CIRCUITS DOES NOT EXCEED 1800 W AT 120V. RECONNECT SURPLUS LOAD TO UNLOADED BRANCH CIRCUITS.

13. PROVIDE PANELS WITH GROUND BUS CAPABLE OF 42 TERMINATIONS.

14. PROVIDE A PERMANENT LABEL AND ATTACH IT TO EACH RECEPTACLE AND JUNCTION BOX SERVING ELECTRICAL COMPONENTS. INDICATE THE SOURCE FO POWER (PANEL AND CIRCUIT NO.) ON THE LABEL.

15. ALL WIRING SHALL BE IN COPPER AND IN CONDUIT.

16. PANELBOARDS

A. ENCLOSURES: SURFACE-MOUNTED CABINETS AS INDICATED. NEMA PB 1, TYPE A.

B. DIRECTORY FRAME: METAL, MOUNTED INSIDE EACH PANELBOARD DOOR. C. BUS: HARD DRAWN COPPER OF 98% CONDUCTIVITY.X

D. EQUIPMENT GROUND BUS: ADEQUATE FOR FEEDER AND BRANCH-CIRCUIT EQUIPMENT GROUND CONDUCTORS.

E. FUTURE DEVICES: EQUIP. WITH MOUNTING BRACKETS, BUS CONNECTIONS, AND NECESSARY APPURTENANCES FOR THE OVER CURRENT PROTECTIVE DEVICE AMPERE RATINGS INDICATED FOR FUTURE INSTALLATIONS OF

F. DOORS: HINGED FRONT COVER. SECURE WITH FLUSH CATCH AND TUMBLER LOCK, ALL KEYED ALIKE.

G. OVERCURRENT PROTECTIVE: I. MOLDED-CASE CIRCUIT BREAKER: NEMA AB1, HANDLE LOCKABLE.

II. CHARACTERISTICS: FRAME SIZE, TRIP RATING, NUMBER OF POLES, AND AUXILIARY DEVICES AS INDICATED AND ITERRUPTING CAPACITY RATINGS AS INDICATED ON PLANS.

17. WIRING DEVICES A. ENCLOSURES: NEMA 1 EQUIVALENT. EXCEPT AS OTHERWISE NOTED.

B. COLOR: BROWN FOR NORMAL CONVENIENCE BRANCH CIRCUIT POWER, GREY FOR NORMAL BRANCH CIRCUIT

DEDICATED TO SPECIFIC EQUIPMENT, EXCEPT AS OTHERWISE INDICATED OR REQUIRED BY CODE. RED ILLUMINATED HANDLE FOR SWITCH CONTROLLING LOCAL EXHAUST FAN. ILLUMINATED WHEN "ON". C. RECEPTACLES. STRAIGHT-BLADE AND LOCKING TYPE:D SM

COMPLYNCE WITH TITTE WITH UL STANDARD 498-ELECTRICAL ATTACHMENT PLUGS AND RECEPTACLES. GRADE EXCEPT AS OTHERWISE INDICATED SIDE—WIRED, EXCEPT AS NOTED—BACKWIRED SPECIFICATION PROHIBITED.

D. RECEPTACLES, STRAIGHT-BLADE, SPECIAL FEATURES: COMPLY WITH BASIC REQUIREMENTS SPECIFIED ABOVE FOR STRAIGHT-BLADE RECEPTACLES OF CLASS AND TYPE INDICATED, AND WITH FOLLOWING ADDITIONAL REQUIREMENTS:

18. GROUNDING:

A. INSTALL EQUIPMENT GROUNDING CONDUCTOR WITH CIRCUIT CONDUCTORS FOR ITEMS BELOW IN ADDITION TO

THOSE REQUIRED BY CODE: I. FEEDERS AND BRANCH CIRCUITS.

II. LIGHTING CIRCUITS. III. RECEPTACLE CIRCUITS.

IV. SINGLE-PHASE MOTOR OR APPLIANCE BRANCH CIRCUITS.

V. THREE-PHASE MOTOR OR APPLIANCE BRANCH CITCUITS.

VI. FLEXIBLE RACEWAY RUNS.

19. WIRES AND CABLES

A. CONDUCTORS FOR POWER AND LIGHTING CIRCUITS: SOLD CONDUCTORES FOR NO 10 AWG AND SMALLER; STRANDED CONDUCTORS FOR NO. 8 AWG AND LARGER.

B. CONDUCTOR MATERIAL: COPPER.

C. INSULATION: THHN/THWN FOR FEEDERS BRANCH CIRCUITS AND CONTROL CIRCUIT CONDUCTORS.

POWER-LIMITED, FIRE-PROTECTIVE, SIGNAL CIRCUIT CABLE FOR FIRE ALARM CIRCUITS.

20. COORDINATE ELECTRICAL REQUIREMENTS OF MECHANICAL EQUIPMENT SELECTED BY CONTRACTOR WITH INFORMATION INDICATED ON PLANS, CONTRACTOR SHALL PROVIDE ALL REQUIRED PROTECTIVE DEVICES, WIRING, CONDUIT, AND DISCONNECT SWITCHES TO MATCH MECHANICAL EQUIPMENT MANUFACTURER REQUIREMENT.

21. CONTRACTOR SHALL PAY FOR ALL PERMITS, FEES REQUIRED BY STATE, LOCAL JURISDICTIONS AND UTILITY COMPANIES.

22. EMERGENCY LIGHTING UNITS ARE TO BE WIRED INTO THE NORMAL LIGHTING CIRCUIT AND ARRANGED TO PROVIDE THE REQUIRED ILLUMINATION AUTOMATICALLY IN THE EVENT OF ANY INTERRUPTION OF NORMAL LIGHTING, SUCH AS FAILURE OF PUBLIC UTILITY OR OUTSIDE ELECTRICAL POWER SUPPLY, OPENING OF A CIRCUIT BREAKER OR A FUSE OR ANY MANUAL ACT(S) INDICATING ACCIDENTAL OPENING OF A SWITCH CONTROLLING NORMAL LIGHTING FACILITIES. THE USE OF EMERGENCY LIGHTS WITH 90 MINUTE BATTERY BACKUP POWER IS ACCEPTABLE. AND EXTERIOR LIGHTING SHALL BE WATER PROOF.

23. ALL WIRING AND CONDUITS FOR EXTERIOR LIGHT FIXTURES SHALL BE CONCEALED WITH EXTERIOR WALLS. THERE SHALL NOT BE ANY CONDUIT, WIRING OR JUNCTION BOXES EXPOSED ON THE BUILDING WALL. USE 2/8 TWIN CABLE.

24. FIRE ALARM SYSTEM REQUIREMENTS:

form approved location.

A. Complter fire laram system shall comply to IBC 2003 NFPA and all local codes and shall bera the ul lable for complete addressable fire alram system.

B. Fire Marshall must approve all shop drawings and system operation before installation.

C. Fire system control panel shall house all fire alram signaling and alarm equipment and shall be located in electric room.

D. Fire system equipment supplier shall provide all color coded wiring diagrams for entire system. E. Fire alarm system supplier shall conduct, provide all personnel and materials necessry to conduct full fire

alram system test in accordance with local codes. F. The entire fire alarm system shall be provided with provisions for 24-hour monitoring over telephone lines

G. The entire fire larm system is non-coded withour pre-singal. H. The fire alarm system shall signal elevator recall system in timeof fire alarm as follows:

 Automatic Bldg. alarm (smoke detectors in elevator lobbies and machine room) shall cause elevator recall (refere to elevator section of specification).

- Elevator shaft or machine room alram shall cause elevator recall andpower disconnet as describe on

- Extend 2" conduit from the fire system control panel to elevator machine room fro elevator recall - Elevator to remain in service for fire department use shall discribed in elevator sectin of the projec

specifications. - Alarm on elevator primary recall floor shall signal elevator to stop at secondary locaiton. I. Fire system shall cause automatic release of all doors in project with hold open hardware and eletric

J. Fire aralm system horns on floor lobbies of project hsall be installed complte as indicate or described in

drawings, and project specifications drawings and project specification. K. Fire alarm system shall control all smoke and heat detectors in all areas of project unless otherwise

L. Fire system shall automatically control floors outside air units as describes.

Contractoral providing fire system shall provide the following:

a. contrul wiring for all floor a/c units.

b. control wiring shall entend from fire system equipment to all motor starters.

c. all control wiring to operate A.H. units damper assoc. with these system shall be provided as a part of the temperature control system. M. Fire alarm system suppliers shop drawing shall be used a design/installation drawing for the project and

shall indicate location size and type of all fire alram system devices (location in allpublic areas to be coordinated iwht arch. elevaitons). N. Fire alram system supplier shall provide and install any additional fire alram devices connection to other

systems controlled by fire alram system, etc. as required by city of local juridictio fire inspectors for a

LIGHT FIXTURE NOTES

- LIGHTING SPECIFICATION ARE LISTED HERE UNDER THE ELECTRICAL DRAWINGS FOR GENERAL PRICING AND COORDINATION WITH VOLTAGES AND WIREING. HOWEVER. FOR LIGHTING FIXTURE FINISHES, OPTIONS, ETC., CONTRACTOR MUST REFER TO ARTHITECTURAL DRAWING. IF THERE ARE ANY CONFLICTS BETWEEN THE TWO DRAWINGS, ALERT ARCHITECT FOR RESOLUTION, BUT IN GENERAL ARCHITECTURAL PLANS SUPERCEDE THOSE LISTED HERE.

- REFER TO ARCHITECTURAL DETAILS AND SECTIONS FOR EXACT LINGTH AVAILABLE FOR FIXTURES AND MOUNTIGN ARRANGEMENTS IN COVES.

- CONTRACTOR TO VERIFY CEILING CONSTRUCTION DETAILS ON ARCHITECTURAL DRAWING BEFORE

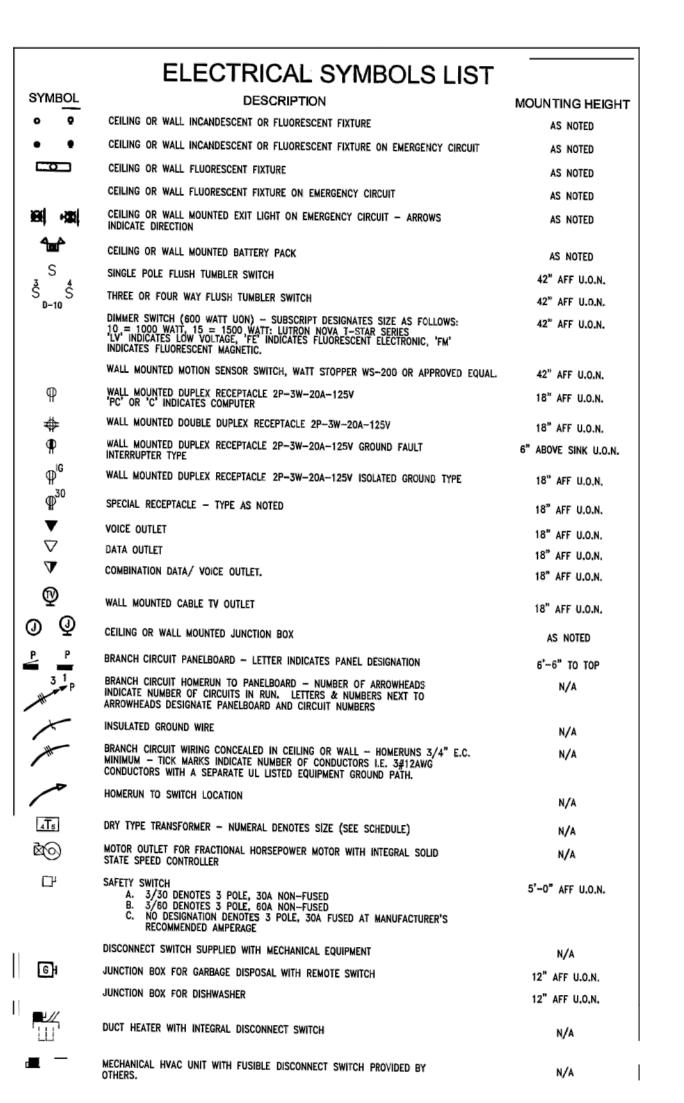
- SPECIAL AND SIGULAR FIXTURES FOR PROJECT ARE SPECIFIED ON FLOOR PLANS.

- CONTRACTOR MAY REPLACE LIGHT FIXTURES INDICATED ON SCHEDULE AN "AS EQUAL" BASIS OF DESIGN. FINAL APPROVAL SHALL BE MADE BY OWNER/ARCHITECT.

- ALL EXTERIOR LIGHTS ARE CONTROLLED BY A SINGLE PHOTOCELL AND AN ASSOCIATED 12-POLE (OR AS REQUIRED) RELAY TO CONTROL ALL EXTERIOR LIGHT FIXTURES. PHOTOCELLS AS SHOWN ON FLOOR PLANS ARE ONLY INTENDED TO INDICATE THAT CIRCUIT IS PHOTOCELL ON.

CONDUCTOR SIZES: BRANCH CKTS						
	CONDUCTOR SIZE	QTY.	GROUND SIZE	CONDUIT SIZE		
NOT GT 20A	#12 TH W N	4	#12	1/2"		
25A & 30A	#10 TH W N	4	#10	3/4"		
35A, 40A & 50A	. #8 THWN	4	#10	3/4"		
60A	#6 THWN	4	#10	1"		
70A & 80A	#4 THWN	4	#8	1.25"		
100A	#3 THWN	4	#8	1.25"		
150A	#1/0 THWN	4	#6	2"		
200A	#3/0 THWN	4	#6	2.5"		

LIGHT FIXTURE SCHEDULE									
SYMBOL	DESCRIPTION								
В	GENERAL PURPOSE CHANNEL STRIP LIGHTS CRESCENT, SURFACE MOUNTED. PROVIDE WIRE GUARD SCF259UNIV 120V, 2 LAMP F32T8								
\bigoplus_{E}	EXTERIOR WALL PACK W/ EMERGENCY BATTERY BACKUP CROSSOVER LED 24 WATT 120 V WALL MOUNT OR EQ.								
↓1 0 ↑	EXIT SIGN / EMERGENCY LIGHT, CEILING SURFACE MOUNT, LITHONIA, 2 LAMP LED 6W KRYPTON								
[P] 115	EXHAUST FAN								
J	JUNCTION BOX W/ PHOTOCELL								
-\$\frac{1}{A}	CEILING RECUESED LIGHT FIXTURE 60 W								



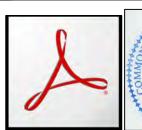
NOTE: NOT ALL SYMBOLS MAY BE USED

M Ξ M \blacksquare

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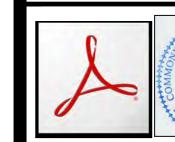




ELECTRICAL

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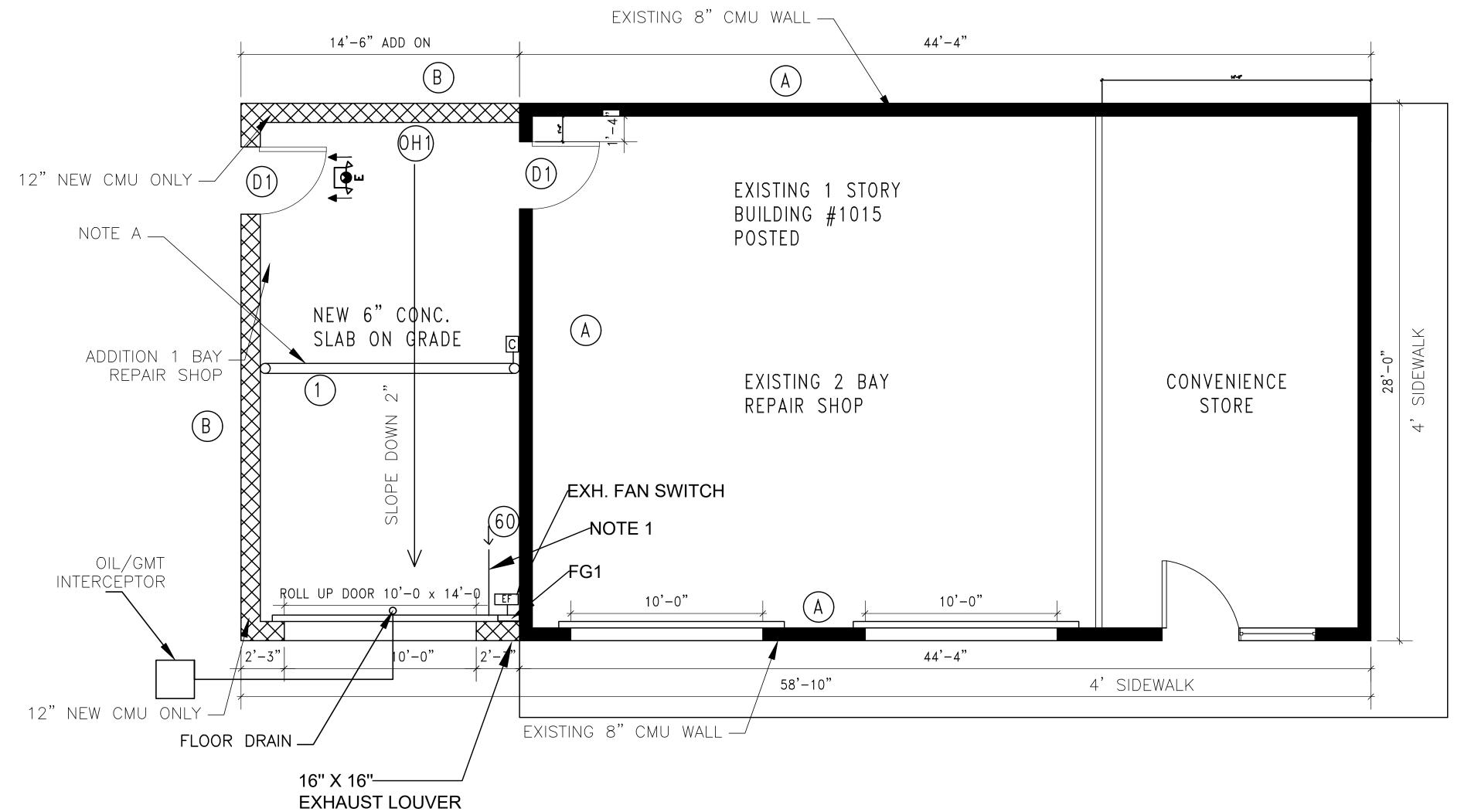




MECHANICAL & PLUMBING

PLAN

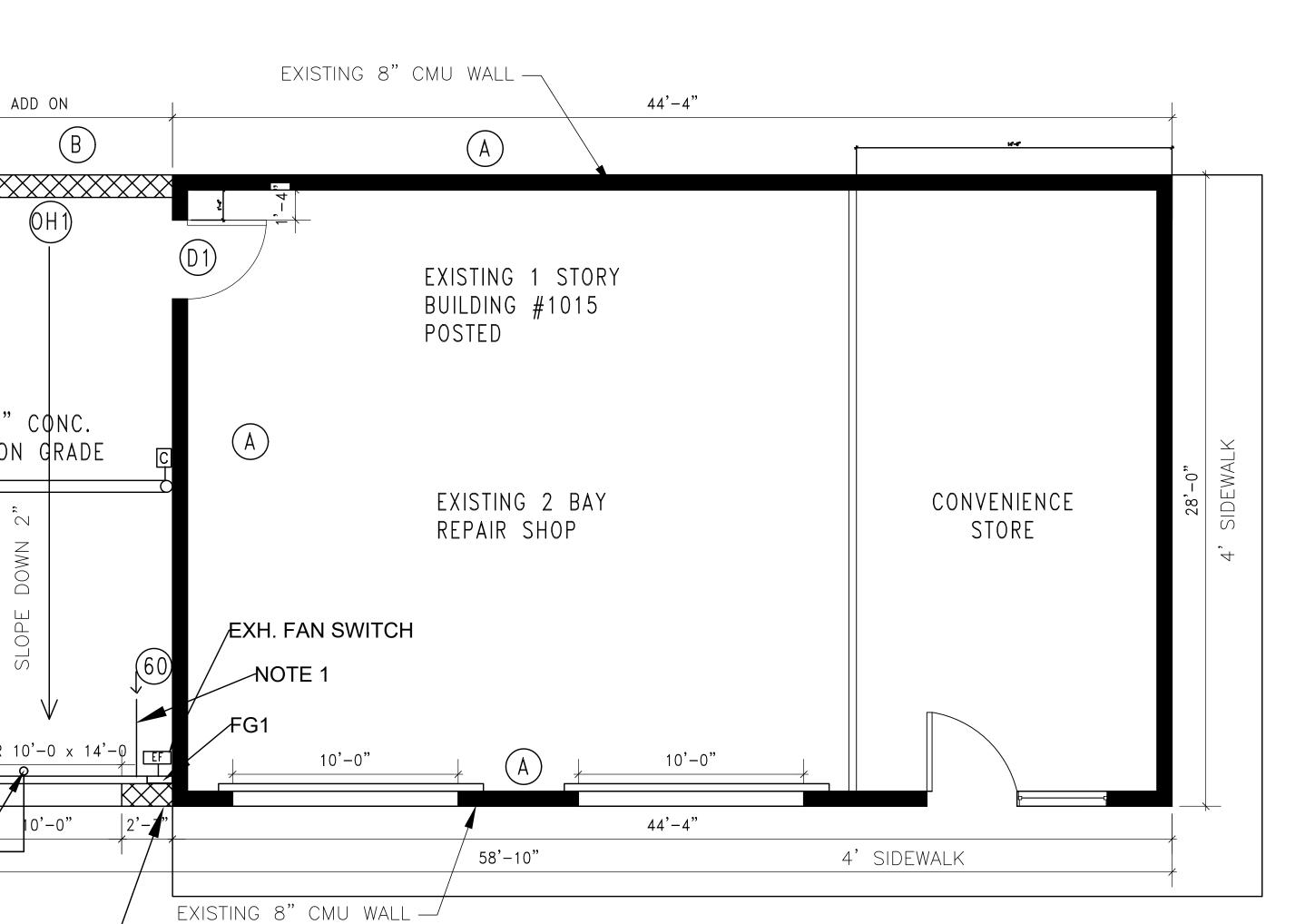
M1.0

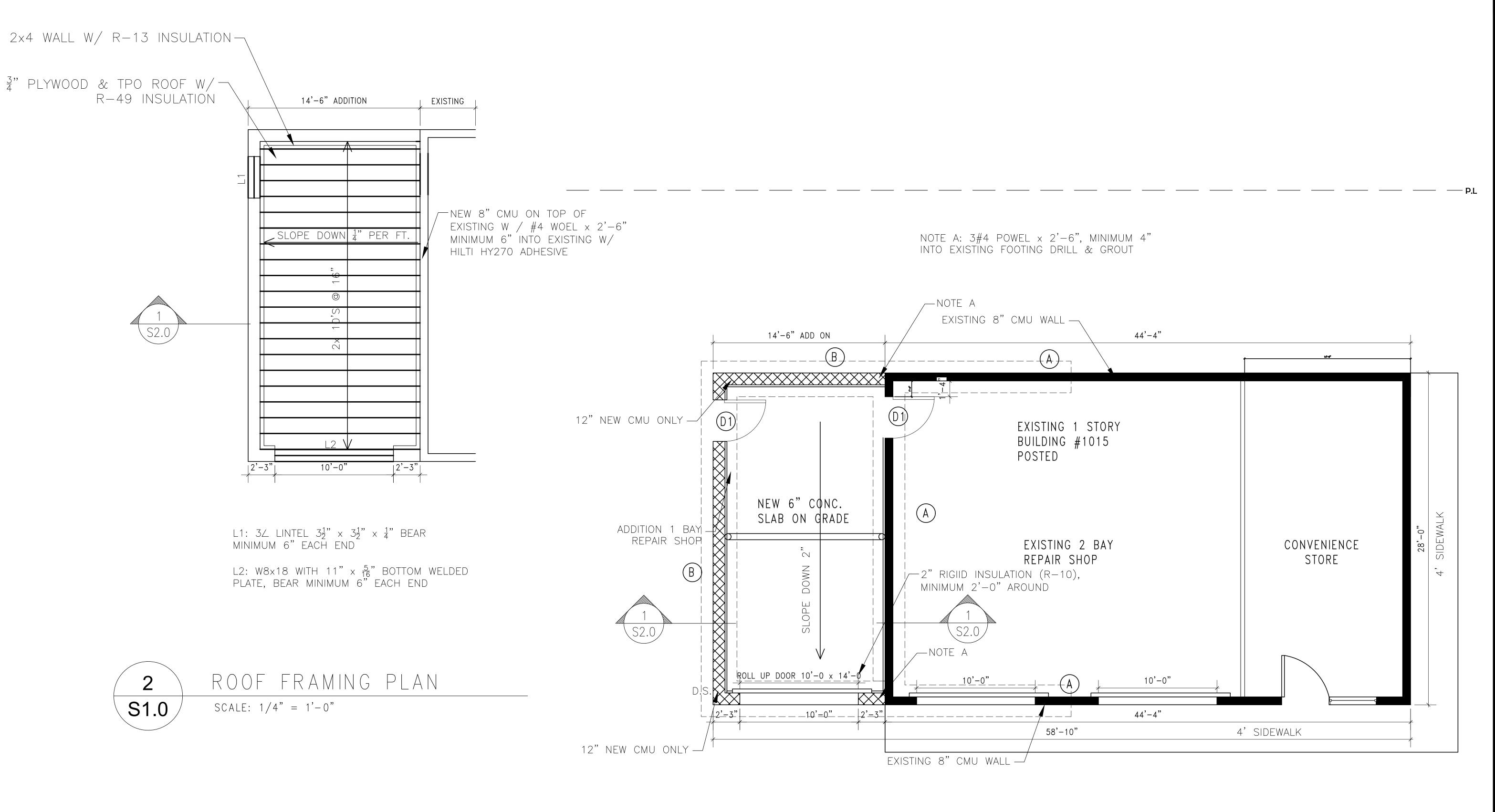


MECHANICAL & PLUMBING PLAN

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

M1.0



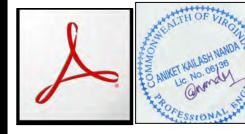


1 FOUNDATION AND FLOOR S1.0 PCALA: N/4" = 1'-0" 1015 W GLEBE ROAD, ALEXANDRIA, VA

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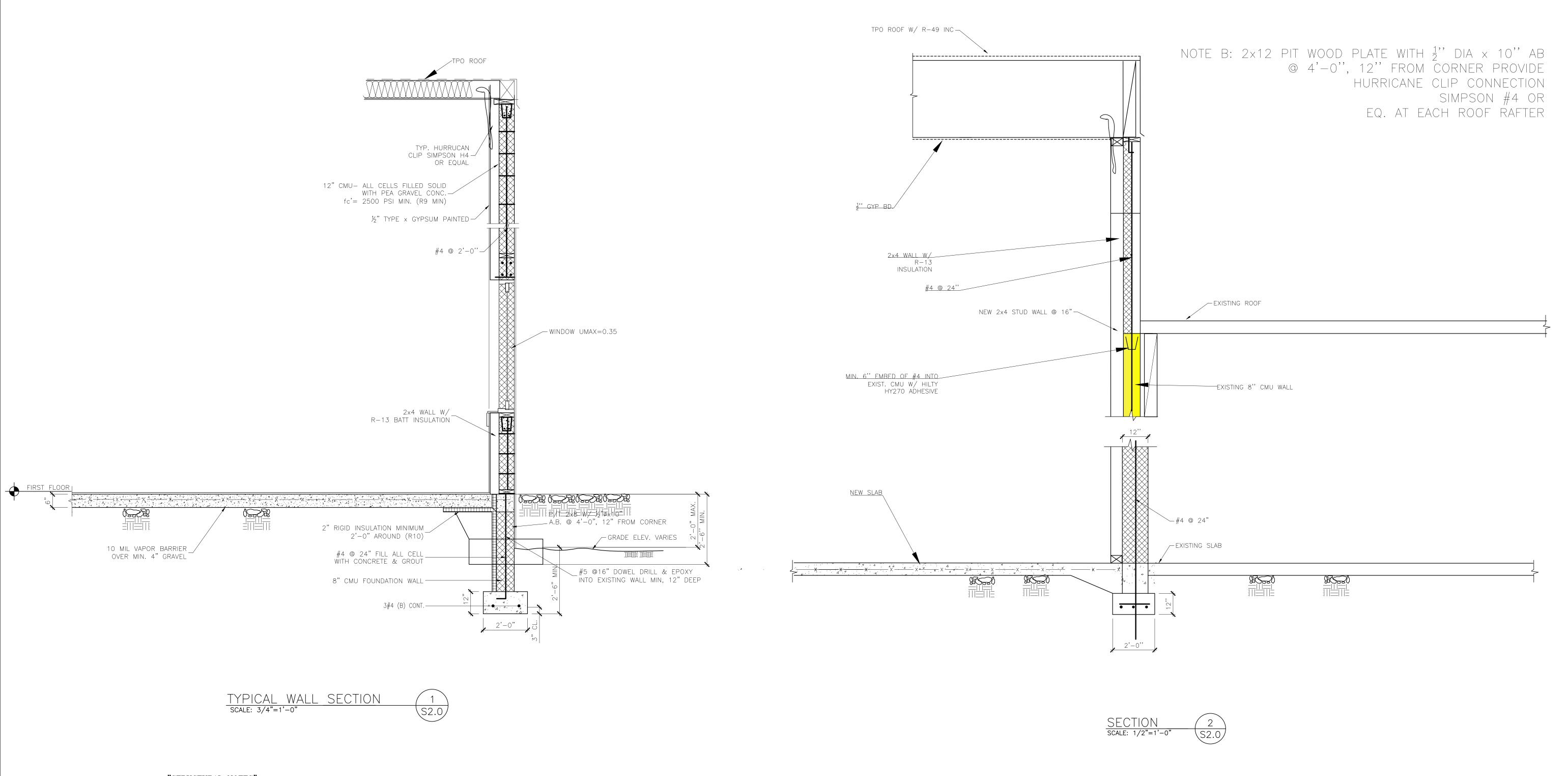
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> FOUNDATION AND FLOOR PLAN

> > S1.0



"STRUCTURAL NOTES"

1. DESIGN LIVE LOAD:

Roof ----- 30 psf [Ground snow =25psf]

- 2. SOIL DESIGN VALUE REQ'D: 1500 psf for footings founded on undisturbed soil. Design soil bearing shall be field verified.
- 3. FOUNDATION: Bottom of all footings shall extend a minimum of one foot into undisturbed soil and where subject to frost action, at least 30" below finish grade. Footing elevations shall be adjusted as required to suit field conditions. All foundation work to be approved by building inspector or Professional Engineer prior to pouring concrete.
- 4. CONCRETE: All concrete shall conform to ACI code 318 and IRC 2018. 28 days strength shall be fc'=3000 psi for footings. All concrete shall be normal weight. Garage floor slab to be fc'=3500 psi minimum.
- 5. CONCRETE PROTECTION FOR REINFORCEMENT: Reinforcing bars and mesh to have minimum concrete cover as follows:

Concrete poured against earth — 3 inch. Formed concrete exposed to weather or in contact with earth: 2".

- 6. REINFORCING STEEL: All reinforcing steel to conform to ASTM A-615, Grade 60, Welded wire mesh to conform to ASTM A-185. Fabricate and provide standard supporting accessories in accordance with the ACI Manual of Standard Practice for detailing reinforced concrete structures AC-315-80 and CRSI Standards. Provide placing accessories in accordance with the ACI Manual of Standard Practice for detailing reinforced concrete structures AC-315-80 and CRSI Standards. Provide placing accessories in accordance with the ACI Manual of Standard Practice for detailing reinforced concrete structures AC-315-80 and CRSI Standards. Provide placing accessories in accordance with ACI recommendations.
- 7. WOOD FRAMING: All wood construction shall conform to the requirements and specifications of American Institute of timber construction "TIMBER CONSTRUCTION MANUAL" latest edition.
- All framing lumber shall be southern yellow pine no 2 MMG 19% (including top plated, headers, joists, columns, rafters, and posts) or equal. All lumber in contact with concrete slab to be moisture proofing treated lumber. Fire retardant treated lumber is unacceptable. Framing lumber shall be fb = 1200 psi minimum. All studs spf 19%mc fb min.=775psi repetitive use. Top plate splices must be staggered a minimum of 4 feet and occur over stud. Where cutting of top plate more than half width is necessary, a metal tie not less than four 16d nails.
- All plywood used structurally shall meet the performance standards for the type, grade and species of plywood and shall be so identified by an approved testing agency. Sheathing fastening method to conform with IRC 2018.
- Conventional floor joists shall meet the performance standards for the type, grade and species of plywood and shall be so identified by an approved testing agency. Sheathing fastening method to conform with IRC 2018.
- Conventional joists or rafters shall have bridging at a minimum of 8'-0". Cut and notch holes size and locations shall conform with the recommendations of Building Inspector or Professional Engineer.
- 8. STRUCTURAL STEEL: Structural Steel shall conform to the latest edition of AISC "Specification for the Design, Fabrication of Structural steel for Buildings". All steel confirm to Grade 36 (FY=36 KSI). Steel pipe shall conform to ASTM A53, Grage B.
- 9. Contractor shall field verify all existing dimensions and field conditions and notify Engineer for any discrepancy.

• RELEASE DATE:

09/2//2023

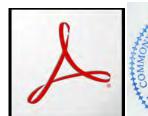
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ALITO REPAIR SHOP ADDITION TO EXISTING

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SECTIONS

52.0

LIBERTY GAS STATION AUTO REPAIR SHOP ADDITION TO EXISTING

LIST OF DRAWINGS

COVER SHEET FLOOR PLAN & DEMOLITION

FOUNDATION & ROOF FRAMING PLAN

STRUCTURAL NOTES & DETAILS

MECHANICAL & PLUMBING PLAN M1.1 MECHANICAL NOTES AND SCHEDULES

ELECTRICAL

ELECTRICAL PLAN & NOTES

ELECTRICAL PANEL RISER DIAGRAM &

NOTES

ADDITIONAL ELECTRICAL NOTES

1015 WEST GLEBE ROAD, ALEXANDRIA, VA.

PERMIT SET

SUMMARY OF WORK

THE WORK INVOLVES CONVENIENCE STORE & REPAIR STATION FACILITY TO BUILD 1 BAY 406 SF (14'-6'' x 28'-0'') AUTO REPAIR SHOP ADDITION WITH NEW ELECTRICAL AND MECHANICAL WORK. NO NEW PLUMBING WORK.

CODE ANALYSIS

USE GROUP - M

MECHANICAL

CONSTRUCTION TYPE - VB ADDITION TO EXISTING 1-STORY BUILDING EXTERIOR MASONRY / STOREFRONT. EXISTING BUILDING IS NOT SPRINKLERED.

CURRENT APPLICABLE CODE:

ACCESSIBILITY/ADA ANSI A 117.1-2009 & 2012 IBC, DCMR-13, 2015

(2010 AMERICAN WITH DISABILITIES ACT)

ÎBC 2018,

BUILDING NEC 2017 with Local Amendments, ELECTRICAL 2018 INTERNATIONAL FUEL & GAS CODE

IMC 2018

IPC 2018 PLUMBING

2018 INTERNATIONAL ENERGY CONSERVATION CODE ENERGY 2018 NFPA 90A, 101 LIFE SAFETY CODE, NFP 90A FIRE PREVENTION CODE

(NEC) 2011 EDITION, NFPA 101 (2012 EDITION), NFPA 1

(2015 EDITION), NFPA 72 (2013 EDITION), NFPA 13,

13D, 13R (2013 EDITION)

PROJECT INFO:

OWNER: GEORGE SAAB 1066 WEST GLEBE ROAD ALEXANDRIA, VA.

ARCHITECT / ENGINEER: Advance Structural Concepts, LLC

10875 Main Street, Suite #101 Fairfax, VA 22030

Tel. (703) 865-7122 / Fax. (703) 865-7155

PROJECT ADDRESS:

LIBERTY GAS STATION & CONVENIENCE STORE 1066 WEST GLEBE ROAD ALEXANDRIA, VA.

Contractor:

CODE ANALYSIS-For Interior Buildout

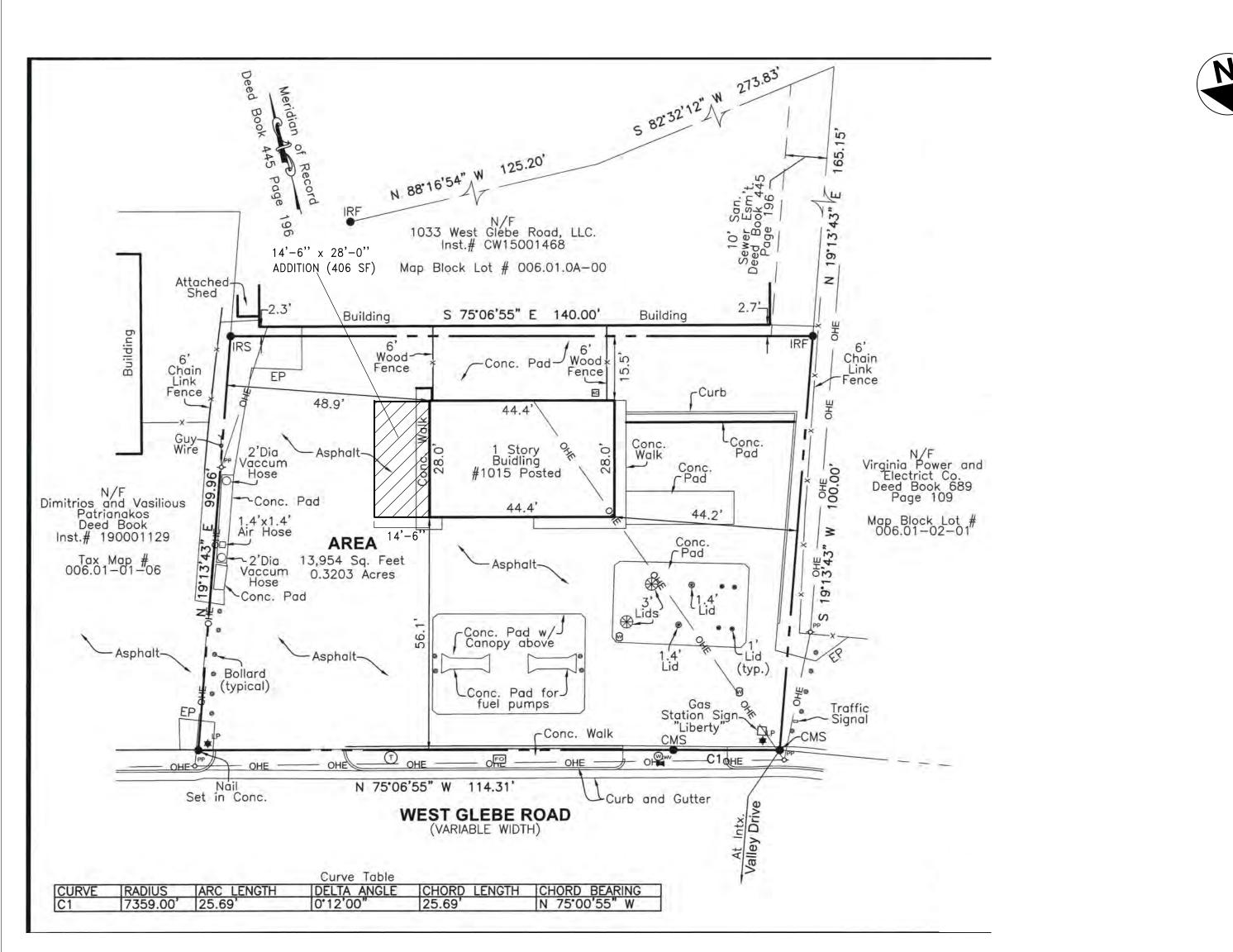
PROPOSED USE GROUP: TYPE OF CONSTRUCTION: 406 SQ.FT OCCUPANT LOAD:

BUILDING IS	SPRINKLERED	NO
NUMBER OF	STORIES:	1

EXISTING [aprox. 25'] BUILDING HEIGHT:

EXITS REQUIRED/PROVIDED: 1 2 ADA/ANSI COMPLIANCE:

YES



LOCATION / SITE PLAN

<u>1</u> 01/18/2023

ALEX GLEBE 101

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COVER SHEET

C000

		PNL C 120/	240V	3P4W	225AM	IP MB	AIC 10000				
CI	KT	LOAD	KVA	BKR	BKR	KVA	LOAD	CKT			
	1	LT. SHOP	1.5	1P20	1P20	0.2	LT. CONC.	2			
	3	RECEPTS. GFIC	0.4	1P20	1P20	0.4	RECEPTS.	4			
	5	LPU1	3,0	3P30	1P20	0.2	GFIC	6			
	7				1P20	1.3	EM/ EXIST	8			
9	9				3P40	4.0	LPU2	10			
1	1	EXH. FAN GARAGE	4.0	3P40				12			
1	3			ĺ		Ì	į.	14			
1	5			95	1P20	0.2	RECEPTS, GFIC	16			
1	7	AHU-1	2.0	2P20	2P20	1.5	WH	18			
1	9		1			1.5	No.	20			
2	21	GHU2	2.0	2P20	1P20	0.2	S.D.	22			
2	3				1P20	1.0	EWC	24			
2	5		2.0	2P20			SPARE	26			
2	27	1.6		ļį.	1P20	0.2		28			
2	9	GFÏ	2.0	2P20	3P40	4.0	LPU3	30			
	31	SPARE	<u> </u>					32			
	3	AIR COMPRESSOR	3.5	3P30	15	•		34			
	5				3P40	4.0		36			
_	7	2	.					38			
3	9	С	0.5	1P20	E CO	+		40			

CONNECTED LOAD 40.6 KVA (113 AMPS)

TOTAL DEMAND LOAD 42.0 KVA = 117A

117A+25% = 146A

E: EXISTING ALL

OTHERS NEW

ROOF

3#4/0, + #4G IN 2 ½" C

PA
200A
1Ø

EXISTING SERVICE GROUNDING UPGRADE PER NEC 250.)

FLOOR

EXISTING 120/240/V 1 PHASE 3-WIRE 200A SERVICE TO BE UPGRADED TO 120/240V, 3(/), 4-WIRE 400A SERVICE



Keyed Notes

- EXISTING ELECTRICAL SERVICE: 120/240V, 1-PHASE, 3-WRE.UPGRADE TO 400A 3Ø, 4W CAPACITY. VIA 4" PVC CONDUIT TO UTILITY EQUIPMENT. (NEW POWER)
- 2 LOAD CENTER.
- EXISTING SERVICE GROUNDING, PROVIDE SIZE 2 GROUNDING ELECTRODE CONNECTIONS TO MAIN WATER SERVICE PIPE, AND WHERE NECESSARY, TO EXTERIOR GROUND RODS. SERVICE BONDING AND GROUNDING IN ACCORDANCE WITH NEC 250, PART H.
- 1 ¼" C WITH PULL STRING TO POWER CO. METER

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09/27/2023

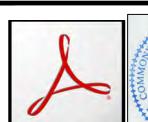
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1015 W GLEBE ROAD, ALEXANDRIA, VA

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ELECTRICAL PANEL RISER DIAGRAM & NOTES

E1.

DOOR						HARDWARE		FRAME				REMARKS		
NO.	NAME	QUAN.	W (in)	H (in)	T (in)	TYPE	MATL.	SET	U.L. (min.)	EL.	MATL.	JB.	HD.	
(D)	EXIST. EXIT DOOR	1	36	84	1 3/4	A	HOLLOW MTL	1	0		ALUM			NEW SF DOOR W/ PANIC HARDWARE, SELF CLOSING
(D2)	ROLL UP DOOR	1	120	168	1 3/4	В	METAL FINISH	PER SUPPLIER	0		ALUM			PER SUPPLIER
														-

HARDWARE SCHEDULE										
SET#	LOCATIONS	DESCRIPTION	REMARKS							
1	BUILDING ENTRANCE/EXIT	TOP & BOTTOM PIVOTS MFG. STANDARD LATCH LOCK W/PADDLE INSIDE FLUSH BOLT TOP & BOTTOM-INACTIVE LEAF MFR. STANDARD PUSH BAR INSIDE ADA COMPLAINT MFR. STANDARD PULL BAR OUTSIDE DOOR CLOSER PUSH SIDE MTD. THRESHOLD ADA COMPLAINT DOOR SWEEP BY MFR. SET WEATHERSTRIPPING BY FRAME MFR. TAMPERED GLASS	EXISTING							

- 1. ALL COMMERCIAL HARDWARE SHALL MEET ADAAG AND CABO/ANSI ACCESIBILITY REQUIREMENTS.
- 2. ALL EXTERIOR DOORS SHALL RECEIVE WEATHER STRIPPING ON ALL 4 SIDES.
- 3. COMMERCIAL HARDWARE LATCHES SCHLAGE'S 'S-SERIES' OR EQUAL STAIN CHROME FINISH. 4. ALL HARDWARE SHALL MEET UL RATING AT DOORS REQUIRED TO BE RATED AND PER IBC2012

5. ALL EGRESS DOORS TO MEET PANIC HARDWATE REQD. OF IBC2015. PANIC SECTION 1008.1.9

EGRESS DEVICES SHALL BE VON DUPRIN MODEL CX99EO W/TIME DELAY.

7. DOOR HARDWARE SHALL BE IN COMPLIANCE WITH IBC 2015, SECTION 1008.1.8.2

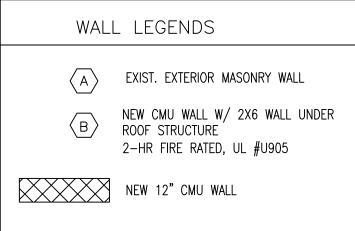
- 6. DESCRIPTIVE LATCH TERMS FOLLOW 'SCHLAGE' WHERE POSSIBLE.
- 8. ALL EXIT DOOR SHALL BE OPENABLE FROM INSIDE WITHOUT KEY OR SPACIAL KNOWLEDGE. EXIT
- DOORS UNLOCKED FROM OUTSIDE DURING OCCUPANCY. ACCESS REQUIRED FROM BOTH SIDES OF STAIR DOOR.

GENERAL NOTES:

- -EXISTING BUILDING EXISTING FRONT IS STOREFRONT GLASS.
- -ALL CONSTRUCTION ACTIVITIES ARE FOR INTERIOR SPACE ONLY.
- -ALL DOORS TO BE EQUIPPED WITH SINGLE ACTION ADA LEVER TYPE BRUSHED CHROME LOCKSETS. -ALL INTERIOR FRAMING WILL BE 2X4 OR 2X6 WOOD STUDS @ 16" WITH 1/2" DRYWALL AS NOTED. FINISH SCHEDULE:
- -WALLS TO BE PAINTED WITH INTERIOR LOW EGGSHELL TYPE PAINT, COLOR PER TENANT.
- -DOORS AND TRIMS TO BE SEMI-GLOSS PAINT.
- -FLOORING: EXISTING, EXCEPT TOILET TO BE CERAMIC TILE.
- -ALL FINISHES SHALL BE OF COMMERCIAL QUALITY AND SHALL MEET ALL FLAME SPREAD CRITERIA PER IBC CHAPTER 8. CLASS 'C' INTERIOR FINISH FOR WALL & CEILING FLAME SPREAD 76-200 SMOKE

DEVELOP INDEX 0-450

- EXISTING FINISH: -EXISTING GYP. BD. CEILING
- -EXISTING RECESSED LIGHT FIXTURES
- -EXIT LIGHTS- LITHONIA LRP USING ARROW ORIENTATION AS REQUIRED PER PLAN.
- FE: FIRE EXTINGUISHER INSTALLED PER REQUIREMENTS OF NFPA 1 TABLE 13.6.12 NFPA 10, 6.2
- NOTE: OUTSIDE DOORS & REST ROOM DOORS ARE SELF CLOSING
- NOTE A: CHALLENGER AUTO REPAIR SHOP LIFT 16,000 TO 20,000 LBS. CAPACITY WITH 2 POSTS CL16 OR CL20 MOREL HEAVY DUTY LIFT



LEGENDS

PHOTOCELL, (2 LAMP 6 W. 120V XENON)

LITHONIA LED 3W KRYPTON

CEILING DIFFUSER

EXHAUST FAN

DESCRIPTION

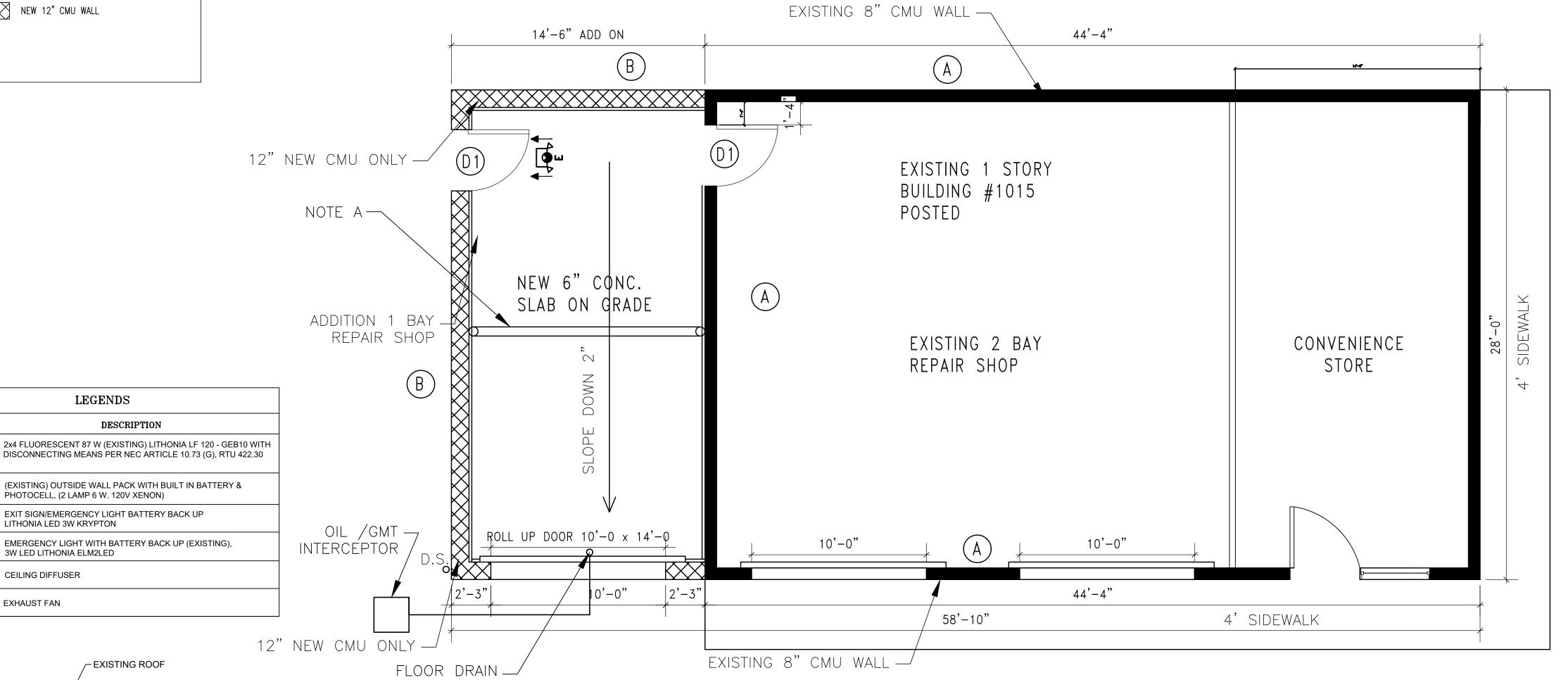
SEAWEED OR EQUAL

TYPICAL WALL/ CEILING

SYMBOL

 \bigcirc A

 \bigcirc



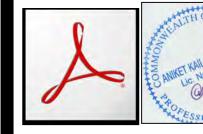


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> FLOOR PLAN