BONNIE BROOK MAINTENANCE BLDG. ROOF REPLACEMENT

WAUKEGAN PARK DISTRICT

WAUKEGAN, IL. 60087





SITE PLAN GENERAL NOTES

- 1. CONTRACTOR TO PROTECT ALL EXISTING SITE SURFACES (IE. SOD AREAS, CONCRETE, BITUMINOUS PAVING, CURBS, ETC.) SCHEDULED TO REMAIN. CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF ANY DAMAGED SITE AMENITIES. DOCUMENT CONDITION PRIOR TO
- CONSTRUCTION.

 2. ALL CONTRACTOR MATERIALS AND EQUIPMENT MUST BE SECURED WITHIN THE STAGING ZON
- 2. ALL CONTRACTOR MATERIALS AND EQUIPMENT MUST BE SECURED WITHIN THE STAGING ZONE WHEN NO WORK IS OCCURRING. CONTRACTOR IS RESPONSIBLE FOR SECURING ALL
- EQUIPMENT AND MATERIAL STORED ON SITE.

 3. VERIFY DUMPSTER LOCATIONS WITH ARCHITECT AND OWNER.
- 4. FIRE LANES TO REMAIN CLEAR; MAINTAIN EMERGENCY VEHICLE ACCESS AT

ARCHITECTURAL

ELECTRICAL

2.095 ROOF PLANS, REFLECTED CEILING PLANS AND ELEVATIONS
5.701 EXTERIOR DETAILS - ROOF

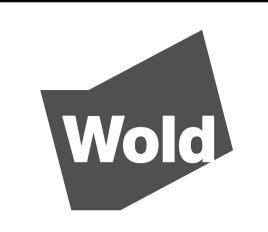
/ATIONS E0

E0.00 ELECTRICAL SYMBOLS AND ABBREVIATIONS
E0.01 ELECTRICAL PLANS

BONNIE BROOK MAINTENANCE BLDG. ROOF REPLACEMENT

2231 S. BONNIE BROOK LN. WAUKEGAN, IL. 60087

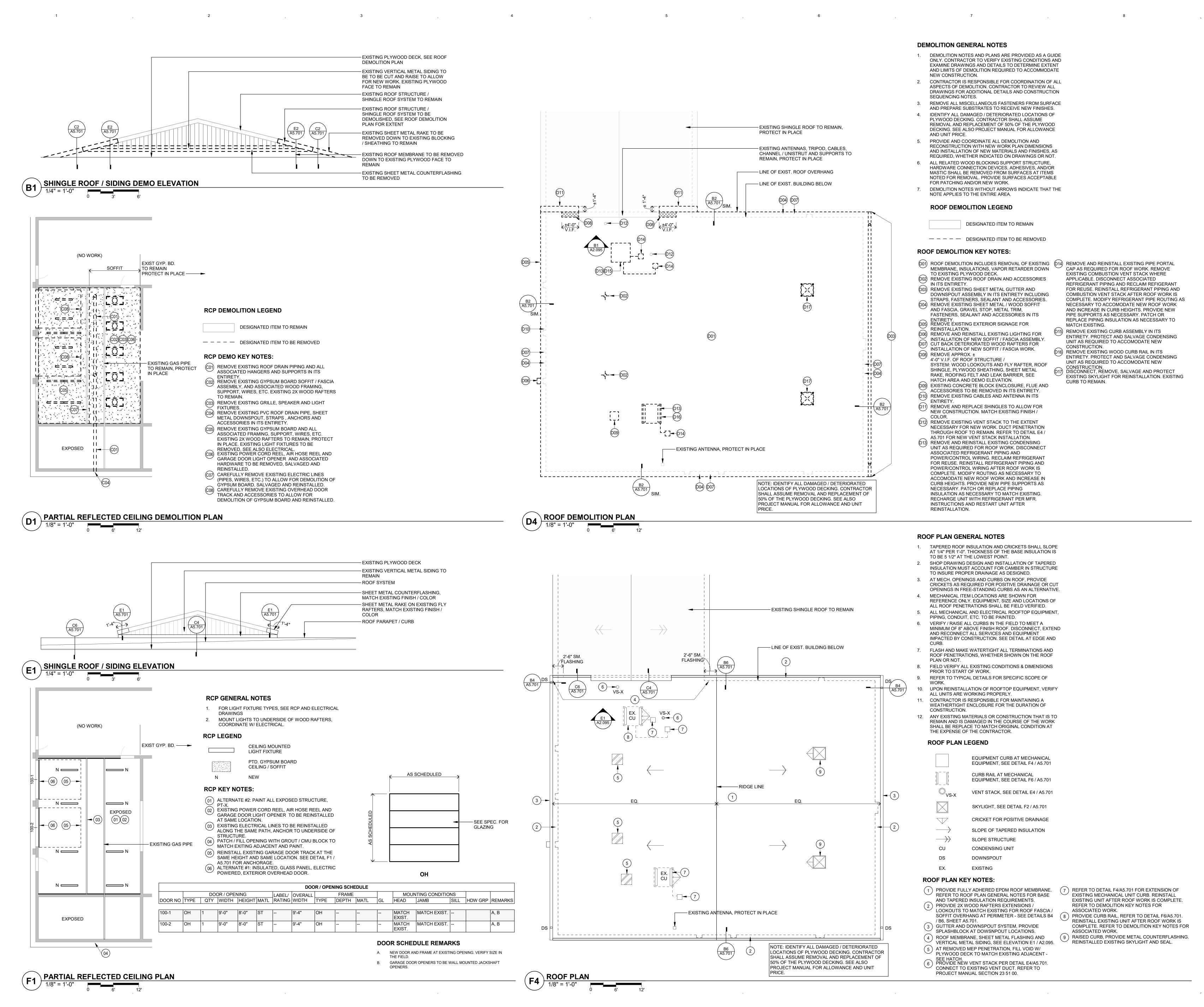
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WOLD ARCHITECTS
AND ENGINEERS

220 North Smith Street, Suite 310

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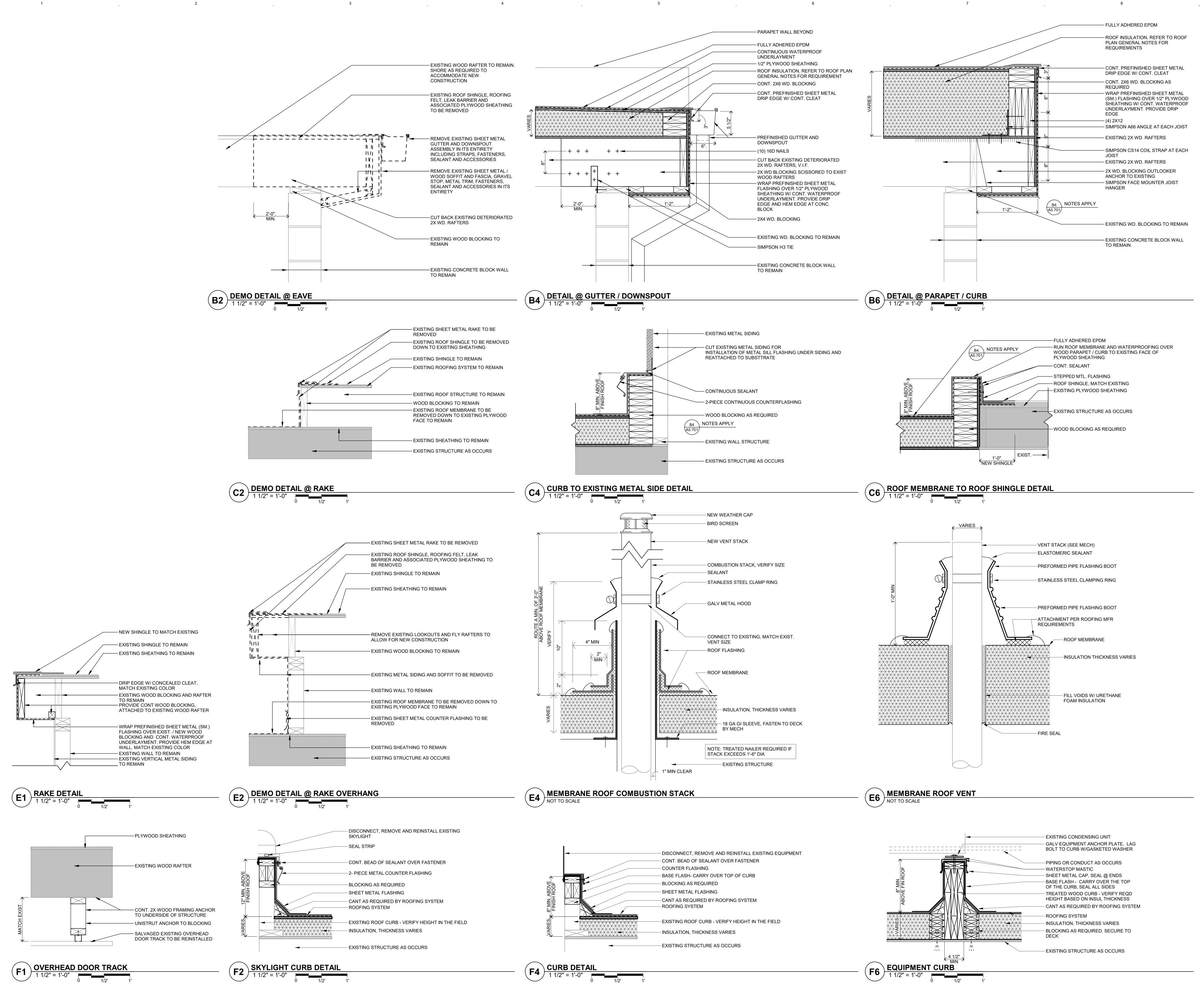
MATTHEW BICKE

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed ARCHITECT under the laws of the State of Matt Bickel License Number: 001-020883 Date 05.30.2024

Comm: **233099** Date: **06-03-2024** Drawn: MO Check: JW

ROOF PLANS, REFLECTED **CEILING PLANS AND ELEVATIONS**

Scale: **As indicated**

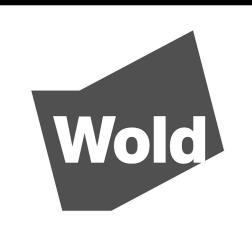


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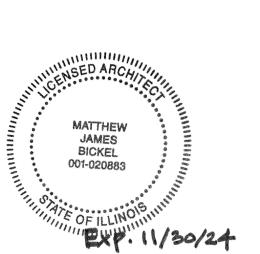
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ARCHITECT

under the laws of the State of Reg State

Matt Bickel

License Number: 001-020883 Date 05.30.2024

Revisions

Description Date Num

Revisions

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Comm: 233099

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Check: JW

EXTERIOR DETAILS - ROOF

Scale: **As indicated**

A5.701

EACH SYMBOL DENOTES A SINGLE POLE LIGHT SWITCH

SINGLE MULTI-SWITCH COVERPLATE.

DETAIL SHEETS.

SECURITY DEVICES

CM CONTROL MODULE

HR

CRKS-

DR SH

VISH

DB SH

MC SH

CS S

ILS ILSH

(S)

WHEN MULITPLE SWITCHES ARE SHOWN, LOCATE ALL UNDER

PHOTOCELL - WALL, CEILING, OR ROOF MOUNTED; SEE DRAWINGS.

OCCUPANCY SENSOR - WALL OR CEILING CELING MOUNT. REFER

TO LIGHTING CONTROL SCHEDULE FOR OPERATION INFORMATION.

EMERGENCY LIGHTING RELAY (UL 924) - SEE WIRING SCHEMATIC ON

SECURITY DEVICE. xx INDICATES THE FOLLOWING:

ELECTRIC LOCK/LATCH

ELECTRIC STRIKE

IR INFARED DETECTOR

DOOR RELEASE; MOUNT PER DWGS.

I = INTERCOM; VI = VIDEO INTERCOM;

KEYPAD; VERIFY MOUNTING HEIGHT WITH DWGS.

MOTION DETECTOR; ARROW INDICATES DIRECTION.

CONTROL SWITCH - INTERVIEW ROOM ACTIVITY. REFER TO DETAIL.

INDICATOR LIGHT - INTERVIEW ROOM ACTIVITY. REFER TO DETAIL.

(WALL OR CEILING MOUNTED, 1"C. BUSHED EMT TO ACCESSIBLE

(WALL OR CEILING MOUNTED, 1"C. BUSHED EMT TO ACCESSIBLE

CEILING. REFER TO DETAIL.

MASTER CONTROL STATION

(WALL OR CEILING MOUNTED).

SURVEILLANCE CAMERA.

J-BOX JUNCTION BOX

KILOVOLT

KILOWATT

KWH KILOWATT HOUR

LIGHT

LIGHTING

LIGHTNING

MAG.S MAGNETIC STARTER

LOW VOLTAGE

LTG

LTNG

MDP

MFR

MFS

MLO

MMS

MSP

MT

MT.C

MTS

MTR

MSBD

KILOVOLT-AMPERE

KVAR KILOVOLT-AMPERE REACTIVE

LOCATE OR LOCATION

MOMENTARY CONTACT

MAIN CIRCUIT BREAKER

MOTOR CONTROL CENTER

MAIN DISTRIBUTION CENTER

MAIN FUSED DISCONNECT SWITCH

MOTOR STARTER PANELBOARD

MANUAL TRANSFER SWITCH

MAIN DISTRIBUTION PANEL

MANUAL MOTOR STARTER

MULTIOUTLET ASSEMBLY

MAIN SWITCHBOARD

MOTOR, MOTORIZED

EMPTY CONDUIT

MOUNT

MANUFACTURER

MAIN LUGS ONLY

MULTI-LENS SURVEILLANCE CAMERA.

DURESS BUTTON

ML MAGNETIC LOCK

REX REQUEST TO EXIT

REFER TO DETAILS.

GB GLASS BREAK DETECTOR

DOOR CONTACTS (MONITORING)

XP EXIT PUSHBUTTON, MOUNT AT ADA HT

CR = CARD READER ROUGH-IN AT ADA HEIGHT

CRK = CARD READER WITH INTEGRADED KEY PAD

VIDEO INTERCOM WITH INTEGRATED DOOR RELEASE; MOUNT WITH

ACTIVATION BUTTON AT MAXIMUM 48" (BUTTON LOCATION VARIES BY

DEVICE MANUFACTURER). WALL MOUNT, 1" CONDUIT TO ACCESSIBLE

AUTOMATIC TRANSFER SWITCH;

SCHEDULE OR FLOOR PLANS; VERIFY.

MOTOR CONTROL CENTER (W/CONCRETE PAD):

METER/SOCKET ASSEMBLY; MOUNT TOP AT 72" AFF

INDICATES CONDUIT IS SURFACE MOUNTED

CONDUIT STUB - TERMINATION INDICATED BY NOTE

CONDUIT SLEEVE WITH BUSHINGS ON BOTH ENDS,

SEE SCHEDULE FOR QUANTITIES AND SIZES OF SLEEVES

INDICATES 1" CONDUIT, (3) NO. 4 AWG CONDUCTORS AND (1) NO. 3

SURFACE RACEWAY ASSEMBLY. PROVIDE AS SPECIFIED, UNLESS

CATV CABLE TELEVISION

CIRCUIT

CEILING

CMPR COMPRESSOR

CONN CONNECTION

CONTR CONTRACTOR

CENTER

COPPER

FS FUSIBLE SWITCH

INCAND INCANDESCENT

I/W INTERLOCK WITH

IR INFRARED

HTR HEATER

CONV CONVECTOR

FOL

CIRCUIT BREAKER

CCTV CLOSED CIRCUIT TELEVISION

CONT CONTINUATION OR CONTINUOUS

CURRENT TRANSFORMER

DOMESTIC WATER CIRCULATING PUMP

CIRCULATING PUMP

EXISTING TO REMAIN

FIBER OPTIC LINE

HIGH VOLTAGE

HWP HYDRONIC WATER PUMP

INTERRUPTING CAPACITY

INTERMEDIATE METAL CONDUIT

ISOLATED GROUND

BRANCH CIRCUIT. FEEDER. AND RACEWAY

INDICATES CONDUIT ROUTED BELOW, IN FLOOR STRUCTURE, BELOW

INDICATES CONDUIT ROUTED CONCEALED ABOVE FLOOR OR GRADE

PLUG-IN BUS DUCT SWITCH; SIZE AS INDICATED AND SPECIFIED.

TRANSFORMER, WITH SIZE AS NOTED. SEE RISER DIAGRAM,

WALL OR FLOOR MOUNTED.

PULLBOX

HANDHOLE

_----

1"C,3#4+1#3G

INCHES

NUMBER

ACLG

ADA

AFF

AFG

AHU

AL ALT

AMP

ATS

I BATT

BLDG

BAS

1 POLE (2P, 3P, 4P, ETC.)

AUTOMATIC DOOR ACTUATOR

AUTOMATIC TRANSFER SWITCH

BUILDING AUTOMATION SYSTEM

ARC FAULT CIRCUIT INTERRUPTER CTR

ABOVE FINISHED FLOOR

ABOVE FINISHED GRADE

AIR HANDLING UNIT

ALUMINUM

ALTERNATE

AUDIO VISUAL

AWG AMERICAN WIRE GAUGE

BATTERY

BOARD

BUILDING

AMPLIFIER

ANNUN ANNUNCIATOR

AQ-STAT AQUASTAT

AIR CONDITIONER

ABOVE CEILING

FLOOR MOUNTED.

VERIFY MOUNTING HEIGHT.

GRADE, OR AS NOTED.

(IN CEILING OR WALL)

INDICATES CONDUIT UP

INDICATES CONDUIT DOWN

CONDUIT CONTINUATION

CABLE TRAY (WIDTH X DEPTH)

GROUND WIRE

NOTED OTHERWISE.

YMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	MOUNTING HEIGHT	SYMBOL	DESCRIPTION	MOUNTING HEIGHT	SYMBOL	DESCRIPTION	MOUNTING HEIGHT	SYMBOL	DESCRIPTION
	GENERAL ELECTRICAL SYMBOLS		LIGHTING			COMMUNICATION DEVICES			POWER AND MOTOR DEVICES			AUDIO / VIDEO DEVICES
	A. DEVICES SHALL BE MOUNTED AT THE HEIGHT INDICATED, UNLESS NOTED OTHERWISE. HEIGHTS ARE MEASURED TO FROM DEVICE CENTER TO FINISHED FLOOR. DEVICES		RECESSED LUMINAIRE (TYPE DENOTED)			PAGING/INTERCOM SPEAKER HORN ASSEMBLY- P.A. OR AS INDICATE xx INDICATES THE FOLLOWING: WG = WIREGUARD, PA = P.A. SYSTEM (3/4"C. BUSHED EMT TO ACCESSIBLE CEILING).		хх⇔	RECEPTACLE NOTATION. xx INDICATES THE FOLLOWING: AB ABOVE COUNTER, BOTTOM OF BOX 2" ABOVE BACKSPLASH IG ISOLATED GROUND		M → M M HA	MICROPHONE OUTLET (WALL, CEILING, OR HANGING). HA = HANGING, 1 GANG J-BOX AT CEILING DECK OR AS NOTED. (1/2"C. BUSHED EMT TO ACCESSIBLE CEILING).
	MOUNTED IN BLOCK/BRICK WALLS SHALL CORRESPOND WITH BLOCK/BRICK COURSING. SEE MASONRY BACKBOX MOUNTING HEIGHT DETAIL.	0 0	SURFACE MOUNTED LUMINAIRE (TYPE DENOTED)		DS DS D	LOUD SPEAKER HORN ASSEMBLY; VERIFY MOUNTING HEIGHT. xx INDICATES THE FOLLOWING: WG = WIREGUARD, PA = P.A. SYSTEM (3/4"C. BUSHED EMT TO ACCESSIBLE CEILING).	l		GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER TR TANKER RESISTANT		(A)-H	AUXILIARY INPUT CONNECTOR. (1/2"C. BUSHED EMT TO ACCESSIBLE CEILING).
	B. ALL MOUNTING HEIGHTS INDICATED ARE FROM THE FINISH FLOOR TO THE CENTER OF THE BOX.		LUMINAIRE ON EMERGENCY CIRCUIT, SWITCHED		(\$)⊢ (\$) Z#	SPEAKER WITH BACKBOX (WALL OR CEILING). xx INDICATES THE FOLLOWING: PA = P.A. SYSTEM; V = WITH INTEGRAL VOLUME CONTROL; Z# = ZONE NUMBER. AV = REFER TO AV SYMBOLS.			USB (2) USB PORTS INTEGRAL WITH RECEPTACLE WP WEATHERPROOF		# (TV)- (TV)	COMMUNICATIONS OUTLET FOR TV (WALL OR CEILING). (BUSHED EMT TO ACCESSIBLE CEILING SPACE OR AS INDICATED). # = SEE DETAIL SHEETS.
	C. ON DEMOLITION DRAWINGS, DASHED ELECTRICAL ITEMS DENOTES EXISTING ITEMS TO BE REMOVED; SOLID SCREENED		LUMINAIRE ON EMERGENCY CIRCUIT, UNSWITCHED		S xx	(3/4"C. BUSHED EMT TO ACCESSIBLE CEILING). MOUNT 12" BELOW CEILING OR AS INDICATED ON PLANS.			SURFACE MOUNTED DUPLEX / QUAD RECEPTACLES AND DATA OUTLETS		DCH DC	TV/VIDEO CAMERA, CLOSED CIRCUIT. (WALL OR CEILING MOUNTED, (1"C. BUSHED EMT TO ACCESSIBLE CEILING). MOUNT PER DRAWINGS. CAMERA BY OTHERS.
	ELECTRICAL ITEMS DENOTES EXISTING ITEMS TO REMAIN, UNLESS NOTED OTHERWISE		STRIP LIGHT LUMINAIRE; FOR SUSPENDED MOUNTING HEIGHTS, SEE DRAWINGS.		XX ———————————————————————————————————	INTERCOM. x INDICATES THE FOLLOWING: M = MASTER STATION. IC = REFER TO A/V SYMBOLS. HS = REFER TO A/V SYMBOLS. (1/2"C. BUSHED EMT TO ACCESSIBLE CEILING).	TOP AT 46" AFF	# =	RECEPTACLES WITH GROUND FAULT CIRCUIT INTERRUPTER		AVR-# AV	A/V WALL OR DESK MOUNTED EQUIPMENT RACK OR CABINET. REFER TO A/V DETAILS. AVR-# DENOTES RACK NUMBER.
	D. ON NEW WORK LIGHTING, POWER AND SYSTEMS DRAWINGS, SCREENED ELECTRICAL ITEMS DENOTES EXISTING ITEMS TO REMAIN; SOLID ELECTRICAL ITEMS DENOTES NEW ITEMS,	ю 🖵	WALL MOUNTED LUMINAIRE; SEE REFLECTED CEILING PLAN FOR MOUNTING HEIGHT.		<u> </u>	VOLUME CONTROL. (1/2"C. BUSHED EMT TO ACCESSIBLE CEILING).	46"		DUPLEX RECEPTACLE ON NORMAL CIRCUIT	18"	AVR-# AV	A/V FLOOR MOUNTED EQUIPMENT CABINET. REFER TO A/V DETAILS. AVR-# DENOTES RACK NUMBER.
	UNLESS NOTED OTHERWISE DEVICES TO BE DEMOLISHED:		LINEAR PENDANT LUMINAIRE; FOR SUSPENDED MOUNTING HEIGHTS, SEE DRAWINGS.		P	CALL BACK SWITCH. (1/2"C. BUSHED EMT TO ACCESSIBLE CEILING).	46"		DUPLEX RECEPTACLE ON EMERGENCY CIRCUIT	18"	AV JH	CEILING OR WALL MOUNTED A/V JUNCTION BOX. REFER TO KEYNOTE FOR DIMENSIONS AND ADDITIONAL INFORMATION.
		-ф-	CIRCULAR PENDANT LUMINAIRE; FOR SUSPENDED MOUNTING HEIGHTS, SEE DRAWINGS.			CLOCK OUTLET. (3/4"C. BUSHED EMT TO ACCESSIBLE CEILING FOR WIRED CLOCKS ONLY). D = DOUBLE FACED	90"		RECEPTACLE (SINGLE)	18"	CP (AV)⊢	A/V CONTROL PANEL (TOUCHSCREEN OR BUTTON PANEL), WALL MOUNTED. REFER TO KEYNOTE.
	EXISING DEVICES TO REMAIN:	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ 	TRACK LIGHT LUMINAIRE (WITH HEADS OR PENDANTS); LENGTH AND MOUNTING AS NOTED ON DRAWINGS.		₫BH	BELL/AUDIBLE DEVICE. (3/4"C. BUSHED EMT TO ACCESSIBLE CEILING).	90"	# #	DOUBLE DUPLEX RECEPTACLE (QUAD) ON NORMAL CIRCUIT	18"	WP (AV)-	A/V WALL INPUT WALLPLATE/TRANSMITTER. REFER TO A/V DETAILS.
	NEW DEVICES:	F <u>⊗</u> t⊕t	EXIT LIGHT-FACE SHOWN SHADED; PLAN INDICATES CEILING OR WALL MOUNTING AND DIRECTIONAL ARROWS.			WALL DATA AND COMMUNICATIONS OUTLET: (BUSHED EMT TO ACCESSIBLE CEILING SPACE OR AS INDICATED). D# INDICATES TYPE OF OUTLET. SEE DETAIL SHEETS.	18"	# #	DOUBLE DUPLEX RECEPTACLE (QUAD) ON EMERGENCY CIRCUIT	18"	(AV)-1	A/V INPUT IN FURNITURE. REFER TO A/V DETAILS.
(#)	KEYED NOTE.		EMERGENCY LIGHTING UNIT - TWO HEAD MOUNTING AS INDICATED ON DRAWINGS.		D# WAP	CEILING DATA OUTLET AND WIRELESS ACCESS POINT: (BUSHED EMT TO ACCESSIBLE CEILING SPACE OR AS INDICATED). D# INDICATES TYPE OF OUTLET. SEE DETAIL SHEETS.		₽	SPECIAL PURPOSE OUTLET; RECESSED, MOUNT PER DWGS.	18"	TP-# (AV)-I	A/V TECH I/O PANEL (NUMBER). REFER TO A/V PANEL DETAILS FOR DIMENSIONS AND ADDITIONAL INFORMATION.
#	FEEDER OR EQUIPMENT DRAWING NOTE.	→	POLE MOUNTED SITE LUMINAIRE - SINGLE SQUARE HEAD. NUMBER OF HEADS AS SHOWN.		RS.	WALL MOUNT DATA OUTLET FOR ROOM SCHEDULING EQUIPMENT. REFER TO DETAILS.	46"	0 0	RECESSED CEILING MOUNTED SINGLE OR DUPLEX RECEPTACLE W/ ADDITIONAL 10' FLEX MC/AC SLACK (COILED); FOR FUTURE DEVICE RELOCATION.		ANT (AV)+	ANTENNA J-BOX/WALLPLATE, 1-GANG, FOR WIRELESS MICS OR A.L.S. REFER TO A/V WALLPLATE DETAILS.
E#	ELEVATION, SEE DETAIL # ON SHEET E#.	\odot	POLE MOUNTED SITE LUMINAIRE - PEDESTRIAN OR BOLLARD STYLE.		w >	WALL PHONE COMMUNICATIONS OUTLET: (1" BUSHED EMT TO ACCESSIBLE CEILING SPACE). SEE DETAIL SHEETS	46"	⊢	USB ONLY DEVICE, (4) USB CHARGING PORTS	18"	CAM (AV)+	PRODUCTION P/T/Z CAMERA AND J-BOX/WALLPLATE. REFER TO A/V WALLPLATE DETAILS.
			LIGHTING CONTROL		A	DISTRIBUTED ANTENNA SYSTEM (DAS) ANTENNA.	CLG	① ①H	CEILING OR WALL MOUNTED JUNCTION BOX WITH REQUIRED COVERPLATE - PLAN INDICATES FUNCTION	CLG, 18"	HS ①H	PRODUCTION INTERCOM HEADSET STATION.
	POWER DISTRIBUTION AND EQUIPMENT		SWITCHING NOTATION. ## INDICATES THE FOLLOWING:	46"		FIRE ALARM DEVICES		₩ MSP	MOTOR RATED SWITCH AND PILOT.	46"		PRODUCTION INTERCOM OUTLET WALLPLATE. REFER TO A/V WALLPLATE DETAILS.
	SWITCHBOARD WITH CONCRETE PAD: FLOOR MOUNTED.		3 THREE-WAY 4 FOUR-WAY D DIMMER		FAAP	FIRE ALARM ANNUNCIATOR PANEL;	TOP AT 60" AFF	₩ MS	MOTOR RATED SWITCH.	46"	(P) (P)+	CEILING OR WALL-MOUNT PROJECTOR. REFER TO A/V DETAILS.
	RELAY/CONNECTION CABINET; WALL MOUNTED, WITH TOP AT 72" AFF		K KEYED LV LOW VOLTAGE MC MOMENTARY CONTACT		FACP	FIRE ALARM CONTROL PANEL (MASTER);	TOP AT 68"	⊬→ MSS	MOTOR STARTER SWITCH WITH MOTOR RUNNING PROTECTION (ADD RELAY IF CONTROL CONTACTS ARE REQUIRED).	46"	SC	PROJECTION SCREEN - LOW VOLTAGE CONNECTION
_	PANELBOARD; WALL MOUNTED WITH TOP AT 78" AFF.		PL PILOT LIGHT TD TIME DELAY		NAC	FIRE ALARM NOTIFICATION APPLIANCE CIRCUIT PANEL. MOUNT TOP 62" AFF PLUS OR MINUS 2".	TOP AT 62 ± 2" AFF	<u> </u>	DISCONNECT SWITCH - NON FUSED.	6'-0"	AV (\$) Z-# AV (\$)+Z-#	CEILING OR WALL-MOUNT A/V SPEAKER. FLUSH-MOUNT. Z: ZONE #.

FIRE ALARM MANUAL PULL STATION.

WP=WEATHER PROOF

WP=WEATHER PROOF

WP=WEATHER PROOF

46"

46"

46"

46"

ELECTRICAL ABBREVIATIONS LIST

REQD REQUIRED

RELOCATED

ROOF TOP UNIT

SECONDARY

SHEET

SIM

SSW

STA

STD

SURF

SW

SYM TERM

TTC

TYP

SIMILAR

SPARE

STATION

SWITCH

SWBD SWITCHBOARD

T-STAT THERMOSTAT

TYPICAL

STANDARD

SYMMETRICAL

TERMINAL

TWIST LOCK

SURFACE CONDUIT

SOLID NEUTRAL

SURFACE RACEWAY

SELECTOR SWITCH

SURFACE MOUNTED

TAMPER RESISTANT

TVTC TELEVISION TERMINAL CABINET

TELEPHONE TERMINAL CABINET

STOP/START PUSHBUTTONS

STAINLESS STEEL

RIGID STEEL CONDUIT

NEC NATIONAL ELECTRICAL CODE

NOT IN CONTRACT

NEW LOCATION

NORMALLY OPEN

OVERHEAD

OVERLOADS

PULL BOX

PHASE

PANEL

PUBLIC ADDRESS

POWER FACTOR

POWER POLE

PRIMARY

PROJECTION

POWER ROOF VENTILATOR

POTENTIAL TRANSFORMER

POLYVINYL CHLORIDE (CONDUIT)

PNEUMATIC ELECTRIC

NTS NOT TO SCALE

OFE

PVC PWR

MANUFACTURER'S ASSOCIATION

NON-FUSED SAFETY SWITCH

NORMAL POWER FACTOR

OWNER FURNISHED EQUIPMENT

NEMA NATIONAL ELECTRICAL

(F)_{S-H}

FIRE ALARM HORN (AUDIBLE), WALL MOUNTED.

FIRE ALARM CHIME (WP FOR EXTERIOR MOUNTING). B = BELL.

FIRE ALARM STROBE (VISUAL) DEVICE (WALL OR CEILING

MOUNTED). xx INDICATES THE FOLLOWING: WG=WIRE GUARD;

FIRE ALARM HORN/STROBE (COMBINATION) (WALL OR CEILING

MOUNTED). xx INDICATES THE FOLLOWING: WG=WIRE GUARD;

MOUNTED). xx INDICATES THE FOLLOWING: WG=WIRE GUARD;

FIREMAN PHONE JACK; MOUNT TOP 54" AFF PLUS OR MINUS 2".

MAGNETIC DOOR HOLD-OPEN (WALL MOUNTED); MOUNT PER

S-CO = COMBINATION SMOKE AND CARBON MONOXIDE DETECTOR

FIRE ALARM SPEAKER (WALL OR CEILING MOUNTED).

xx INDICATES THE FOLLOWING: WG=WIRE GUARD;

SPRINKLER FLOW-SWITCH; MOUNT PER DWGS.

SPRINKLER TAMPER-SWITCH; MOUNT PER DWGS.

S-H - COMBINATION SMOKE AND HEAT DETECTOR

HEAT DETECTOR (RATE-OF-RISE); #° = FIXTED TEMPERATURE -

FIRE ALARM INDIVIDUAL ADDRESSABLE MODULE; MOUNT PER

FIRE ALARM CONTROL MODULE; MOUNT PER DWGS.

FIRE/SMOKE DAMPER; MOUNT PER DWGS.

SMOKE DETECTOR-CEILING MOUNTED.

DUCT SMOKE DETECTOR; MOUNT PER DWGS.

CEILING MOUNTED.

FIRE ALARM SPEAKER/STROBE (COMBINATION) (WALL OR CEILING

62 ± 2" AFF

46"

84"

84", CLNG

84", CLNG

84", CLNG

84", CLNG

UNDERGROUND ELECTRICAL

UNLESS NOTED OTHERWISE

UNDERGROUND TELEPHONE

VARIABLE FREQUENCY DRIVE

UNIT VENTILATOR OR ULTRAVIOLET

UNDERGROUND

UNIT HEATER

VOLT-AMPERES

VOLT

VERTICAL

VOLUME

WITH

WIRE GUARD

WITHOUT

TRANSFER

XFMR TRANSFORMER

WATER HEATER

WEATHERPROOF

VERT

VFD

VOL

W/

WG

W/O

XFR

WH

é(J)⁴

DISCONNECT SWITCH - FUSED.

PUSHBUTTON - WALL MOUNTED.

POWER POLE (DEVICES AS INDICATED)

WALL MOUNTED FURNITURE FEED.

NURSE CALL DEVICES

EMT TO ACCESSIBLE CEILING, UNO.

A = STAFF ASSIST REQUEST

D = DUTY STATION, 3-GANG BOX

E1 = EMERGENCY (PUSHBUTTON)

S = STAFF RESPONDER, 3-GANG BOX

WANDERING PATIENT DEVICE; MOUNT PER DWGS.

WANDER ALERT SENSOR; MOUNT ABOVE CEILING.

XX INDICATES THE FOLLOWING: ML=MAG LOCK; DC= DOOR CONTACT.

L = DOME LIGHT, ABOVE DOOR HEADER

M = MASTER STATION, 1-GANG BELOW COUNTER TOP

M1 = MASTER STATION WALL-MOUNTED, 3-GANG BOX

T = TV, MOUNT SAME HEIGHT AS ADJACENT RECEPTACLE

P1 = PATIENT W/ EXTRA JACK FOR PILLOW SPEAKER, 3-GANG BOX

E = EMERGENCY (PULLCORD)

P = PATIENT, 3-GANG BOX

R = RELAY, 4-GANG BOX

DOME LIGHT, CEILING MOUNTED.

XXX INDICATES THE FOLLOWING:

KP = KEYPAD

DEVICE ABBREVIATIONS:

DISH

DISP

HAND

MWV

OVN

WASH CLOTHES WASHER

GOGG GOGGLES CABINET

HOOD EXHAUST HOOD

HAND DRYER

MICROWAVE

RELOCATE

VEND VENDING MACHINE

PRNT PRINTER

REFRIGERATOR

NEW LOCATION

ELECTRIC OVEN

CLOTHES DRYER

UNDER SINK DISPOSER

ELECTRIC WATER COOLER

SANITARY AUTOMATIC FLUSH

DISHWASHER

RX = RECIEVER

x INDICATES THE FOLLOWING:

B = CODE BLUE

MOTOR, SEE MOTOR AND EQUIPMENT SCHEDULE

REFER TO POKE-THROUGH AND FLOOR BOX SCHEDULE

POKE-THROUGH (PT) OR FLOOR BOX (FB), FULLY RECESSED IN FLOOR.

CORD REEL / CORD AND PLUG SET - CEILING MOUNTED. SEE PLANS

NURSE CALL SYSTEM DEVICE. 4" SQUARE BOX WITH 3/4"C. BUSHED

COMBINATION STARTER/DISCONNECT SWITCH.

MOTOR STARTER.

PUSHBUTTON - WALL MOUNTED.

GENERAL ELECTRICAL NOTES

CEILING MOUNTED A/V SPEAKER. PENDANT MOUNT.

SUSPENDED SPEAKER ENCLOSURE OR ARRAY, AND RIGGING. REFER

6'-0"

6'-0"

30" - 36"

33" EXTERIOR

42" INTERIOR

Version 5.2.23

- A. INSTALL CONCEALED CONDUIT WITH FLUSH J.B.'S IN WALLS AND CEILINGS UNLESS NOTED OTHERWISE. IN FINISHED AREAS WITH INACCESSIBLE WALLS OR CEILINGS, PROVIDE SURFACE (WIREMOLD) RACEWAY; PAINT TO MATCH COLOR OF ADJACENT WALL OR CEILING.
- B. RACEWAYS SHALL CONTAIN A GROUNDING CONDUCTOR. C. CIRCUITS SUPPLYING LINE TO NEUTRAL LOADS SHALL HAVE DEDICATED NEUTRALS, i.e. ONE NEUTRAL PER PHASE. NEUTRAL CONDUCTORS SHALL
- D. BUILDING CONDUCTORS SHALL BE THWN/THHN. CONDUCTORS IN UNDERGROUND CONDUIT OUTSIDE OF BUILDINGS SHALL BE XHHW
- WITH PANELBOARD CIRCUIT NUMBERS AS SCHEDULED. BRANCH CIRCUIT WIRING AND HOMERUNS ARE NOT SHOWN FOR CLARITY. ACCURATE RECORD DRAWING INFORMATION IS TO BE PROVIDED AT THE PROJECT COMPLETION. TYPICAL THROUGHOUT. REFER TO SPECIFICATIONS FOR MATERIALS AND INSTALLATION REQUIREMENTS.
- G. SWITCHES SHALL BE MOUNTED PER ADA REQUIREMENTS, 46" AFF. UNLESS OTHERWISE NOTED, RECEPTACLES AND TELECOMMUNICATION OUTLETS IN FINISHED AREAS SHALL BE MOUNTED 18" AFF. RECEPTACLES IN UN-FINISHED SPACES SHALL BE MOUNTED AT 46" OR 4" ABOVE WORK SURFACE.
- H. CRITICAL DEVICES / EQUIPMENT, INCLUDING TELEPHONE, COMPUTER SECURITY, AND FIRE ALARM, AFFECT ASSOCIATED SYSTEMS BUILDING-WIDE. THESE SYSTEMS MUST REMAIN OPERATIONAL DURING THE CONSTRUCTION. INDIVIDUAL DEVICES MAY BE DISCONNECTED AND/OR RECONNECTED DURING CONSTRUCTION. COORDINATE POWER OUTAGES WITH OWNER. PROVIDE TEMPORARY PANEL(S) AND/OR CIRCUIT(S) AS/IF
- DAMAGE. I. THE BUILDING SHALL MAINTAIN POWER THROUGHOUT THE CONSTRUCTION PROCESS. COORDINATE ENERGIZATION OF NEW EQUIPMENT AND THE CORRESPONDING RECONNECTION OF EXISTING AFFECTED ELECTRICAL
- DISTRIBUTION EQUIPMENT. J. SEE RELATED PLUMBING AND HVAC DRAWINGS FOR LOCATION OF
- K. WIRING FOR MISCELLANEOUS HVAC DEVICES AND CONTROLLERS SUCH AS DAMPER MOTORS, THERMOSTATS, DUCT SMOKE DETECTORS, FREEZESTATS, DIFFERENTIAL PRESSURE SWITCHES, OCCUPIED AND
- ELECTRICAL DRAWINGS IS DIVISION 23 WORK. L. FIELD VERIFY EXISTING CONDITIONS. DISCREPANCIES BETWEEN THE DRAWING AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BIDS.
- M. MAINTAIN EXISTING CIRCUIT CONTINUITY ON ALL SYSTEMS ON THE SITE THAT ARE EXISTING TO REMAIN.
- O. COORDINATE ALL WORK WITH OTHER CONTRACTORS AND OWNER. P. ALL CUTTING AND PATCHING FOR DIV. 26 WORK SHALL BE UNDER
- SUPERVISION AND APPROVAL OF ARCHITECT. Q. REMOVE AND/OR REINSTALL ELECTRICAL DEVICES IN ALL AREAS OF WORK
- NOT ALL DEVICES MAY BE SHOWN ON DRAWINGS.
- R. PROVIDE ALL BOXES, FITTINGS, CONDUIT, WIRING, TERMINATIONS,
- S. BRANCH 20A CIRCUIT CONDUCTORS SHOULD BE SIZED AS FOLLOWS:

120V CCT LENGTH	277V CCT LENGTH	AWG		
< 75'	< 130'	12		
75' - 120'	130' - 215'	10		
120' - 200'	215' - 330'	8		

HEIGHT

56" / VERIFY

- HAVE TRACER STRIPE ALONG ENTIRE LENGTH INDICATING ASSOCIATED
- E. NUMBERS AT RECEPTACLES AND LIGHT FIXTURES CORRESPOND DIRECTLY
- F. REFER TO CONTRACT DOCUMENTS FOR SEQUENCE OF CONSTRUCTION AND PHASING OF THE CONTRACT.
- COORDINATE RECEPTACLE MOUNTING HEIGHTS WITH MILLWORK LOCATIONS, ARCHITECTURAL ELEVATIONS, AND MASONRY COURSING
- NECESSARY TO MAINTAIN CONTINUITY. PROTECT FROM PHYSICAL AND DUST
- EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS. COORDINATE
- INTERCONNECTION REQUIREMENTS WITH EQUIPMENT SHOP DRAWINGS. UNOCCUPIED SELECTOR SWITCHES, ALARM LIGHTS, ETC., NOT SHOWN ON
- N. PROVIDE ALL CONDUIT HOMERUNS AS 3/4"C. MIN.
- AS REQUIRED AND REPLACE ANY ELECTRICAL DEVICES DAMAGED BY WORK.
- EQUIPMENT, ETC. FOR A COMPLETE INSTALLATION.

120V CCT LENGTH	277V CCT LENGTH	AWG
< 75'	< 130'	12
75' - 120'	130' - 215'	10
120' - 200'	215' - 330'	8

BRADLEY ROBERT JOHANNSEN

BONNIE BROOK

MAINTENANCE

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BLDG. ROOF

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WOLD ARCHITECTS AND ENGINEERS

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DISTRICT

1324 GOLF RD.

ELECTRICAL DRAWINGS

E0.00 ELECTRICAL SYMBOLS AND ABBREVIATIONS

E0.01 ELECTRICAL PLANS

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed

PROFESSIONAL ENGINEER under the laws of the State of ILLINOIS BRADLEY R. JOHANNSEN **0**62-060077 Date 6/3/2024

Revisions

Comm: 233099 Date: 6/3/2024 Drawn: **N.DEFRANCESCO** Check: **B.JOHANNSEN**

ELECTRICAL SYMBOLS AND ABBREVIATIONS

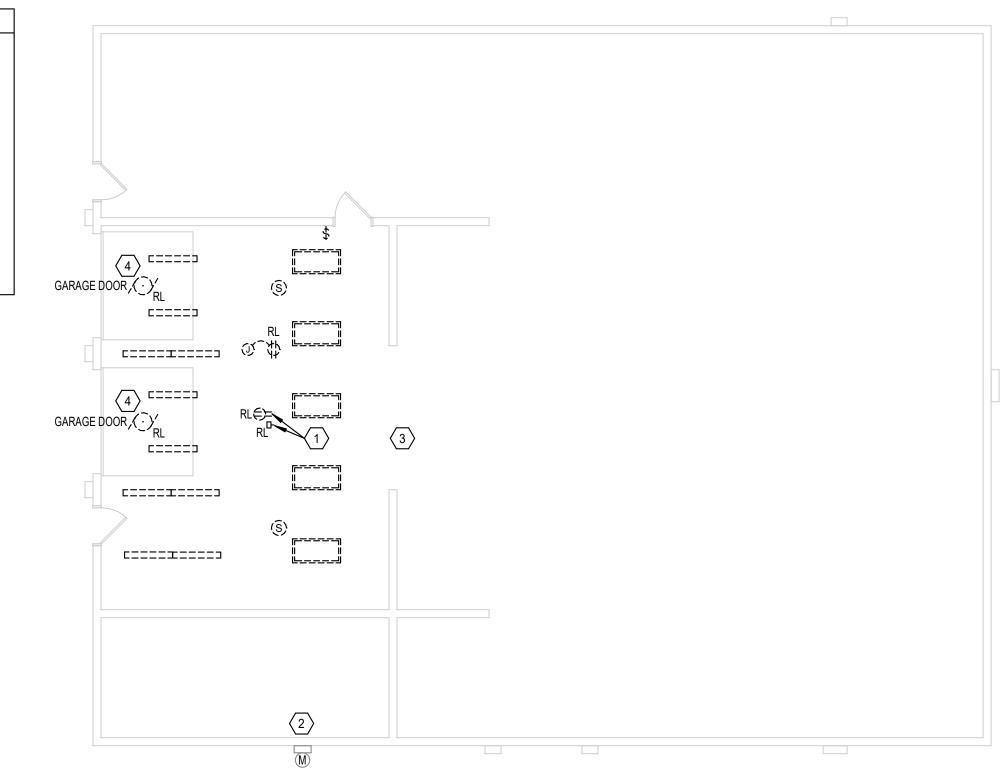
Scale: **As indicated**

KEYED DEMOLITION NOTES DEVICES MOUNTED ON SOFFIT. SOFFIT IS TO BE DEMOLISHED. SEE LIGHTING AND POWER PLAN FOR MORE DETAIL ON WHERE THESE DEVICES

PROTECT UTILITY LINE GOING INTO BUILDING DURING CONSTRUCTION.

B. PROTECT ALL ELECTRICAL LINES GOING TO ANTENNAS ON ROOF DURING CONSTRUCTION EXCEPT FOR TV ANTENNA FURTHEST TO THE NORTH IS TO BE DEMOLISHED. REMOVE ASSOCIATED WIRES BACK TO SOURCE.

I. <u>ALTERNATE #1</u>: DEMOLISH EXISTING GARAGE DOOR CIRCUITRY BACK TO SOURCE.



DEMOLITION PLAN

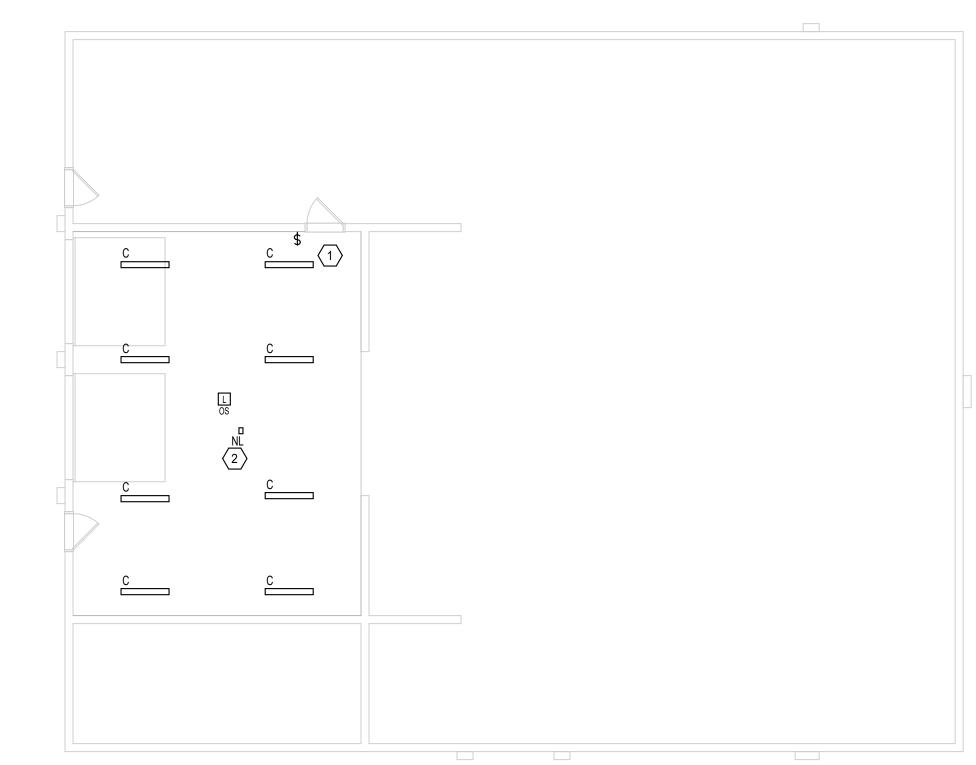
KEYED LIGHTING NOTES

1. REUSE EXISTING CIRCUITRY FOR NEW LIGHTS.

2. GARAGE DOOR LIGHT TO BE REHUNG. ADJUST AS REQUIRED.

LUMINAIRE FIXTURE SCHEDULE LUMENS/ MANUFACTURERS' CONTROL MEDIA ID | FIXTURE TYPE MOUNTING WATTS VOLTS (LENS, LOUVERS, ETC.) FIXTURE DESCRIPTION SERIES NUMBERS C SURFACE LINEAR SURFACE 3000 LUMENS | MVOLT | FLAT DIFFUSE LENS LITHONIA CLX L48 3000LM SEF FDL MVOLT EZ1 40K 80 CRI COOPER 4SNLED SERIES COLUMBIA LCL SERIES

1 5

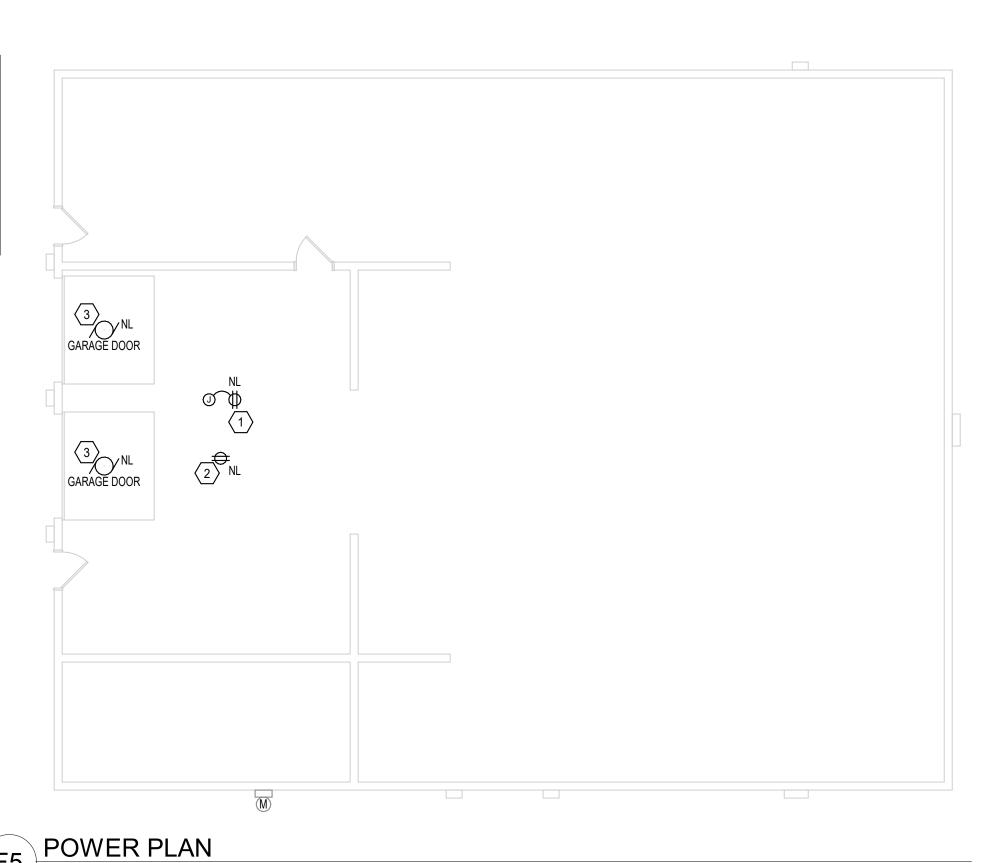


KEYED POWER NOTES

OR APPROVED EQUAL

- 1. REUSE EXISTING CIRCUITRY FOR RELOCATED CORD REEL.
- 2. MOUNT RELOCATED OUTLET TO CEILING FOR GARAGE DOOR LIGHT. REUSE EXISTING CIRCUITRY FOR OUTLET. ADJUST AS REQUIRED.
- REUSE EXISTING CIRCUITRY FOR GARAGE DOORS. ALTERNATE #1: REUSE EXISTING CIRCUITRY FOR NEW GARAGE DOORS.

1



GENERAL DEMOLITION NOTES

- A. SOME NOTES MAY NOT APPLY TO THIS SHEET. B. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PHASES OF DEMOLITION

AND CONSTRUCTION. COORDINATE WITH

- GENERAL CONSTRUCTION. C. DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES AND LIGHTING FIXTURES IN
- DEMOLITION AREAS UNLESS NOTED OTHERWISE.
- D. DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES IN WALLS TO BE DEMOLISHED. WALLS TO BE DEMOLISHED ARE SHOWN DASHED. DISCONNECT AND REMOVE ASSOCIATED CONDUIT AND WIRE BACK TO LAST REMAINING DEVICE. FURNISH AND INSTALL CONDUIT AND WIRE AS NECESSARY FOR CONTINUITY OF CIRCUIT(S) TO ANY EXISTING DEVICES TO REMAIN. COORDINATE AND VERIFY REQUIREMENTS WITH NEW WORK IN AREA.
- E. FURNISH AND INSTALL CONDUIT AND WIRE AS NECESSARY FOR CONTINUITY OF ANY FEEDERS OR BRANCH CIRCUITS ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY ELECTRICAL EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED.
- F. FURNISH AND INSTALL CONDUIT AND/OR COMMUNICATIONS/DATA WIRING AS NECESSARY FOR CONTINUITY OF ANY WIRING ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY COMMUNICATIONS/DATA EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED.
- G. DISCONNECT AND REMOVE LIGHT SWITCHES IN DEMOLITION AREAS AS NECESSARY TO ACCOMMODATE NEW DOOR CONFIGURATIONS.
- H. DISCONNECT AND REMOVE ANY EXISTING ELECTRICAL DEVICES AND BACK BOXES AS NECESSARY WHERE NEW WALL CONSTRUCTION WILL INTERSECT AN EXISTING WALL. FURNISH AND INSTALL CONDUIT AND WIRE AS REQUIRED FOR CONTINUITY OF CIRCUIT(S).
- FURNISH AND INSTALL BLANK COVER PLATES OVER ALL EXISTING UNUSED OPENINGS.

GENERAL LIGHTING NOTES

A. SOME NOTES MAY NOT APPLY TO THIS SHEET. B. ELECTRICAL CONTRACTOR SHALL BE

CEILINGS SHALL BE INSTALLED WITH 6' LONG

FIXTURES UNLESS INDICATED OTHERWISE.

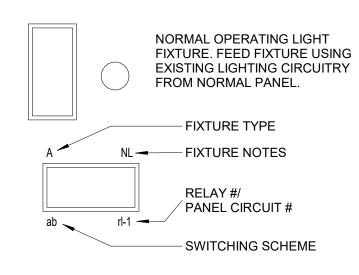
- RESPONSIBLE FOR WIRING ALL ELECTRICAL ITEMS SHOWN ON THIS DRAWING. C. ALL RECESSED LIGHTING FIXTURES IN LAY-IN
- D. ALL MOUNTING HEIGHTS FOR LIGHTING FIXTURES ARE TO THE BOTTOM OF THE

FLEXIBLE METAL CONDUIT.

- E. CIRCUIT WIRING IS NOT SHOWN EXCEPT FOR SWITCHING INTENT OF FIXTURES AND CONTROL OF DEVICES.
- F. PROVIDE PROPER NUMBER OF CONDUCTORS TO ACHIEVE CIRCUITING AND SWITCHING SHOWN.
- G. CIRCUIT NUMBERS AT DEVICES CIRCUIT NUMBERS SHOWN ARE FOR SCHEMATIC PURPOSES AND ARE FOR DISTINGUISHING CIRCUITS. RECORD AS-BUILT CIRCUITING IN A TYPED AND DATED PANELBOARD SCHEDULE. BRANCH CIRCUITS SHALL BE SIZED ACCORDING TO THE CIRCUIT BREAKER RATING, UNLESS INDICATED OTHERWISE ON THE ELECTRICAL
- H. SEE BRANCH CIRCUIT CONDUCTOR SIZING SCHEDULE ON SHEET E0.00.

EQUIPMENT SCHEDULE.

ALL OCCUPANCY SENSORS SHALL HAVE AUXILIARY CONTACTS OR ADDITIONAL DEVICES TO ENABLE HVAC INTERFACE.



- 1. MAXIMUM ALLOWABLE WATTAGE FOR A
- LIGHTING CIRCUIT WILL NOT EXCEED 3500 (277V) OR 1600 (120V) WATTS. 2. REFER TO DIVISION 23 SPECIFICATIONS FOR MORE INFORMATION ON BAS LIGHTING CONTROLS.

GENERAL POWER NOTES

- A. SOME NOTES MAY NOT APPLY TO THIS SHEETS. B. ALL BOXES, CONDUIT AND WIRING TO BE CONCEALED. NO EXPOSED BOXES, CONDUIT AND WIRING SHALL BE ALLOWED UNLESS NOTED
- . COORDINATE DEVICE LOCATIONS WITH OTHER TRADES INCLUDING HVAC EQUIPMENT, DUCTWORK, SPRINKLER PIPING AND BUILDING STRUCTURAL MEMBERS.

OTHERWISE.

- D. NO MULTI-BRANCH CIRCUIT ALLOWED. PROVIDE A SEPARATE NEUTRAL WITH EACH CIRCUIT.
- E. VERIFY LOCATIONS AND ROUGH-IN REQUIREMENTS OF ALL OWNER FURNISHED EQUIPMENT PRIOR TO ROUGH-IN.
- CIRCUIT WIRING IS NOT SHOWN EXCEPT FOR SWITCHING INTENT OF FIXTURES AND CONTROL
- OF DEVICES. G. CIRCUIT NUMBERS SHOWN ARE FOR SCHEMATIC PURPOSES AND ARE FOR DISTINGUISHING CIRCUITS. RECORD AS-BUILT CIRCUITING IN A
- TYPED AND DATED PANELBOARD SCHEDULE. H. PROVIDE SEPARATED CONDUITS FOR ALL EMERGENCY CIRCUITS, DO NOT COMBINE WITH
- NORMAL BUILDING WIRING. COORDINATE HEIGHTS OF ALL DEVICES WITH MILLWORK AND MODULAR FURNITURE SHOP DRAWINGS PRIOR TO ROUGH-IN.
- OFFSET BACK TO BACK BOXES AT LEAST 12 INCHES EXCEPT IN RESIDENT ROOMS WHERE PUTTY-PADS SHALL BE PROVIDED (3M MPP+ OR EQUIVALENT).
- K. SEE BRANCH CIRCUIT CONDUCTOR SIZING SCHEDULE ON SHEET E0.00

MAINTENANCE BLDG. ROOF **REPLACEMENT** 2231 S. BONNIE BROOK LN. WAUKEGAN, IL. 60087

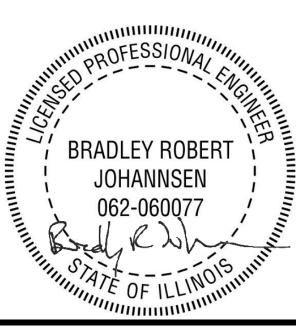
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I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed PROFESSIONAL ENGINEER under the laws of the State of ILLINOIS

BRADLEY R. JOHANNSEN **0**62-060077 Date 6/3/2024 Revisions

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ELECTRICAL PLANS