Anthony Esson, Architect PO Box 479 Gaylord, Michigan 49734 Little Traverse Bay Bands of Odawa Indians Murray Road Apartment Project Charlevoix, Michigan

June 23, 2023 Project No. 273-19

ADDENDUM NO. 1

This Addendum is being issued for the purpose of modifying and/or clarifying the original Bidding Documents dated May 1, 2020 and shall take precedence over them.

All work included herein shall be in accordance with the general requirements of the original bidding documents, except as specifically noted herein.

This Addendum is being sent to all known plan holders, suppliers, plan rooms, and governmental agencies having received Bidding Documents.

Supplemental Documents Issued:

Revised Drawings P1.0 & P2.1 – Drawing Set 1 - Buildings 3, 5, 6 Plumbing Plans Revised Drawings P1.0 & P2.1 – Drawing Set 2 - Building 4 Plumbing Plans Revised Drawings E2.1 & E2.2 – Drawing Set 1 - Buildings 3, 5, 6 Electrical Power Plans Revised Drawings E2.1 & E2.2 – Drawing Set 2 - Building 4 Electrical Power Plans

- Item No. 1: The bidding period has been extended. Bids will be due Monday, July 10, 2023 at 3:00 p.m. local time.
- Item No. 2: Refer to Drawing Set 1; Sheet T, Accessibility Tabulation and Drawing Set 2; Sheet T; Accessibility Tabulation table: Note that the Type "A" Accessible Units in Building 4 are units 4F and 4H. Unit 4E is on the upper floor and is not a Type "A" Accessible unit.
- Item No. 3: Refer to 002113 Instructions to Bidders Paragraph 1.19 Build America Buy America: Federally recognized Indian Tribes have been granted a waiver of compliance with the Build America Buy America Act. Regardless, all things being equal, LTBB Odawa Indians encourages the Contractor and all Subcontractors to purchase products and/or materials produced in the United States.
- Item No. 4: Refer to revised drawings P1.0 and P2.1 for Buildings 3, 5 & 6, as well as for ADA Building 4, which have been reissued with this Addendum. Note the clarification on the water service flow and pressure available (30-80 GPM @ 80 PSI) for the new NFPA 13R Fire Suppression System in each building.
- Item No. 5: Refer to Drawing Set 1; Sheets E2.1 & E2.2 and Drawing Set 2; Sheet E2.1 & E2.2, all of which have been revised and reissued with the Addendum. Note the following clarifications: Note the addition of Smoke Detectors (SD) in the Utility Closets in all the units throughout Buildings 3, 5, 6 (Drawing Set 1) and ADA Building 4 (Drawing Set 2).

- Item No. 6: Refer to Drawing Set 2; Sheet E2.1, which has been revised and reissued with this Addendum. Note the following clarifications:
 - A. Addition of Audio/Visual Fire Alarm devices throughout the 1st floor ADA units 4A, 4D, 4E, 4H of ADA Building 4.
 - B. Addition of an Audio/Visual Doorbell system, for hearing/visually impaired tenants, in the 1st floor ADA units 4A, 4D, 4E, 4H of ADA Building 4.

END OF ADDENDUM NO. 1

VENT (V)

1-1/2"

1-1/2"

1-1/2"

1-1/2"

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WATER CLOSET (WC) - FLUSH TANK 1/2" ___ 1. REFER TO DRAWINGS AND SPECIFICATIONS FOR MORE DETAILS. 2. NOTE THAT THE WATER SUPPLY PIPE SIZES ABOVE ARE MINIMUM SIZES FOR STANDARD COPPER TUBING. PEX TUBING MAY BE USED INSTEAD OF COPPER, UNLESS NOTED OTHERWISE, PEX TUBING RUN-OUTS SHOULD BE 1/2" PIPE SIZE LARGER.

1/2"

1/2"

--

PLUMBING CONNECTION SCHEDULE

HOT WATER COLD WATER WASTE (W) &

1/2"

1/2"

1/2"

3/4"

(CW) | INDIRECT WASTE (IW)

1-1/2"

1-1/2"

 PLUMBING SYMBOL

<u>DESCRIPTION</u> CONCENTRIC REDUCER ECCENTRIC REDUCER CHECK VALVE (SPRING) COMBINATION BALANCE VALVE & FLOW MEASURING DEVICE STRAINER (Y-TYPE) STRAINER (BLOW OFF TYPE) FLOOR DRAIN (PLAN VIEW) FUNNEL FLOOR DRAIN (PLAN VIEW) FUNNEL FLOOR DRAIN (ELEVATION) _________ CLEAN OUT (IN FLOOR) HOSE BIBB (INTERIOR - NON FREEZEPROOF) — нв WALL HYDRANT (EXTERIOR - FREEZEPROOF) SIAMESE CONNECTION (YARD) SIAMESE CONNECTION (WALL MOUNTED) PRESSURE RELIEF VALVE PRESSURE REDUCING VALVE PRESSURE AND TEMPERATURE RELIEF VALVE PRESSURE REGULATING VALVE PRESSURE AND TEMPERATURE TEST PLUG PRESSURE GAUGE AND COCK THERMOMETER MANUAL AIR VENT AUTOMATIC AIR VENT DOMESTIC COLD WATER PIPING DOMESTIC HOT WATER PIPING DOMESTIC HOT WATER RETURN PIPING

FIRE PROTECTION PIPING

FIXTURE TYPE

CLOTHES WASHING MACHINE (DOMESTIC)

WALL HYDRANT (WH) OR HOSE BIB (HB)

SINK (SK) - RESIDENTIAL/LIGHT COMMERCIAL

BATHTUB SHOWER (BTS)

LAVATORY (LAV)

	PLUI	MBING ABBREVIATION LIST		
4	ABBREVIATION	DESCRIPTION		
	AAV AFF ASR	AIR ADMITTANCE VALVE ABOVE FINISHED FLOOR AUTOMATIC SPRINKLER RISER		
	BFP BHP BTU BTUH	BACKFLOW PREVENTER BRAKE HORSEPOWER BRITISH THERMAL UNIT BRITISH THERMAL UNITS PER HOUR		
	CAP CO COND CONT CONTR COORD CW	CAPACITY CLEAN OUT CONDENSATE CONTINUATION OR CONTINUED CONTRACTOR COORDINATE DOMESTIC COLD WATER		
	DEG DN DWH DW&V	DEGREES DOWN DOMESTIC WATER HEATER DRAINAGE WASTE & VENT		
	(E) E.C. ELEC ELEV EWT	EXISTING ELECTRICAL CONTRACTOR ELECTRICAL ELEVATION ENTERING WATER TEMPERATURE		
	F (F) F.A. F.C. FD FFD FLA FLR FPM FT	FIRE PROTECTION FUTURE FIRE ALARM SUBCONTRACTOR FIRE SUPPRESSION SUBCONTRACTOR FLOOR DRAIN FUNNEL FLOOR DRAIN FULL LOAD AMPS FLOOR FEET PER MINUTE FEET		
	G GPH GPM	GAS (NATURAL GAS/PROPANE) GALLONS PER HOUR GALLONS PER MINUTE		
	HB HP HR HTG HW HWR HYD	HOSE BIB HORSEPOWER HOUR HEATING DOMESTIC HOT WATER DOMESTIC HOT WATER RETURN HYDRANT		
	ID I.E. IN INL IW	INSIDE DIAMETER INVERT ELEVATION INCHES INLET INDIRECT WASTE		
	KW	KILOWATT		
	LAV LRA LWT	LAVATORY LOCKED ROTOR AMPS LEAVING WATER TEMPERATURE		
	MAX MBH M.C. MECH MFR MIN MISC MMBH MS	MAXIMUM THOUSAND BRITISH THERMAL UNITS PER HOUR MECHANICAL CONTRACTOR MECHANICAL MANUFACTURER MINIMUM MISCELLANEOUS MILLION BRITISH THERMAL UNITS PER HOUR MOP SINK		
	NC NIC NO NOM NPCW	NORMALLY CLOSED NOT IN CONTRACT NORMALLY OPEN NOMINAL NON POTABLE WATER		
	OC OD	ON CENTER/CENTER TO CENTER OUTSIDE DIAMETER		
	P.C. PD PRI PRV PSIA PSIG	PLUMBING CONTRACTOR PRESSURE DROP PRIOR TO ROUGH-IN PRESSURE REDUCING VALVE POUNDS PER SQUARE INCH (ABSOLUTE) POUNDS PER SQUARE INCH (GAUGE)		
	RPM	REVOLUTIONS PER MINUTE		
	SAN SHR SK SPHD SPKR SPKR.STP SqFt SS	SANITARY WASTE SHOWER SINK SPRINKLER HEAD SPRINKLER SPRINKLER SPRINKLER STANDPIPE SQUARE FOOT/SQUARE FEET SERVICE SINK		
	TYP	TYPICAL	P1.0	PLUM
	U/G UL UON UR	UNDERGROUND (BELOW GRADE) UNDERWRITERS LABORATORY UNLESS OTHERWISE NOTED URINAL	P2.1 P2.2	BELO\ ABOV
	٧	VENT	r2.5	ABOV

VENT STACK

VENT THRU ROOF

WATER CLOSET

WATER GAUGE WALL HYDRANT

WASTE & VENT

WALL CLEAN OUT

VARIABLE SPEED DRIVE

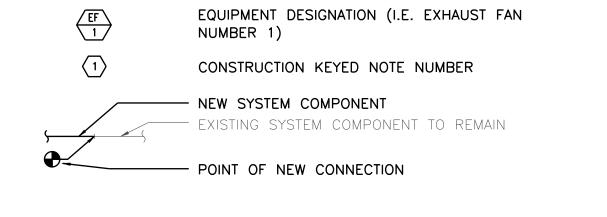
GENERAL PLUMBING NOTES:

- 1. THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL SCOPE OF WORK. CONTRACTOR SHALL PROVIDE PLUMBING SYSTEMS AND RELATED EQUIPMENT COMPLETE AND INCLUDE ALL NECESSARY OFFSETS, FITTINGS, AND OTHER COMPONENTS REQUIRED DUE TO INTERFERENCES, SPACE CONSTRAINTS,
- 2. PLUMBING SYSTEMS SHALL BE INSTALLED PER MICHIGAN/INTERNATIONAL PLUMBING CODE, MICHIGAN/INTERNATIONAL FUEL GAS CODE, MICHIGAN/INTERNATIONAL MECHANICAL CODE, AND APPLICABLE MICHIGAN/INTERNATIONAL BUILDING CODES (E.G. MICHIGAN/INTERNATIONAL BUILDING CODES, NFPA CODES, ETC.). COORDINATE & CONFIRM LTBB ODAWA INDIANS' (OWNER) CURRENT BUILDING CODE REQUIREMENTS PRIOR TO BID/CONSTRUCTION.
- 3. PLUMBING CONTRACTOR (P.C.) SHALL COORDINATE THE INSTALLATION OF PLUMBING & FIRE SUPPRESSION WORK WITH ALL OTHER TRADES. P.C./F.C. SHALL VERIFY ALL MECHANICAL/PLUMBING AND ELECTRICAL CLEARANCES PRIOR TO FABRICATION OF ANY NEW WORK. PIPING SHALL NOT BE LOCATED DIRECTLY OVER ELECTRICAL EQUIPMENT AND PANELS, OR INTERFERE WITH ELECTRICAL/MECHANICAL EQUIPMENT CLEARANCE SPACES.
- 4. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION/HEIGHTS OF FIXTURES (STANDARD AND BARRIER FREE), SINKS, TOILETS, LAVATORIES, COUNTERS APPLIANCES, ETC. COORDINATE WITH ARCHITECTURAL PLANS FOR DETAILS ON CASEWORK, FURNITURE, ETC.
- 5. MINIMUM UNDERGROUND (U/G) SANITARY PIPE SIZE SHALL BE 3", UNLESS NOTED OTHERWISE.

CODE REQUIRED CLEARANCES PROVIDED.

- 6. PLUMBING VENTS THROUGH THE ROOF SHALL BE LOCATED AT LEAST 10'-0" AWAY FROM OUTDOOR AIR INTAKE LOCATIONS. 7. ALL CLEANOUTS INSTALLED IN SANITARY WASTE AND VENT PIPING SHALL HAVE
- 8. ALL EQUIPMENT SHALL BE PROVIDED WITH ISOLATION VALVES AND ALL FIXTURES SHALL BE PROVIDED WITH STOP VALVES. ALL VALVES/STOPS SHALL BE INSTALLED IN ACCESSIBLE LOCATIONS.
- 9. ALL FLOOR DRAINS SUBJECT TO LOSS OF SEAL (I.E. MECHANICAL ROOMS/CLOSETS, STORAGE ROOMS, ETC.) SHALL BE PROVIDED WITH A TRAP SEAL PROTECTOR OR A TRAP SEAL PRIMER.
- 10. COORDINATE ALL FLOOR, WALL, AND ROOF PENETRATIONS, EQUIPMENT PADS, ETC. WITH ARCHITECTURAL/STRUCTURAL TRADES PRIOR TO ROUGH-IN. UNLESS NOTED OTHERWISE, EACH SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING, CORING, PATCHING ASSOCIATED WITH THEIR WORK. CUTTING, CORING, PATCHING WORK SHALL BE PERFORMED BY A QUALIFIED SUB-CONTRACTOR AND MATCH EXISTING OR NEW FINISHES.
- 11. FIRE CAULK/STOP ALL PLUMBING PENETRATIONS THRU FIRE RATED ASSEMBLIES PER CODE REQUIREMENTS. REFER TO ARCHITECTURAL PLANS/SECTIONS FOR LOCATION/TYPES OF FIRE RATED ASSEMBLIES.

METHODS OF NOTATION



CHECK VALVE WITH AUTO DRAIN VALVE ✓ WATER FLOW SWITCH WITH OUTSIDE WALL -DRAIN LINE SEPARATE SET OF N.O. & N.C. CONTACTS FOR CONNECTION TO FIRE ALARM SYSTEM FIRE DEPT. — RISER DRAIN CONNECTION COORD. ADDENDUM #1 LOCATION & SIZE W/ FIRE DEPT. — CONTROL WIRING TO FIRE - — ALARM SYSTEM PER THE OWNER'S SITE/CIVIL ENGINEER WHO BFP IS CURRENTLY DESIGNING A NEW PRIVATE -O.S. & Y GATE VALVE WITH BLOCK — ON-SITE WATER WELL SYSTEM TO SERVE VALVE MONITOR SWITCH (TYP.) BOTH DOMESTIC & NFPA 13R FIRE FLOW, THE FLOW AND PRESSURE AVAILABLE FOR FIRE SUPPRESSION WILL BE 30-80 GPM @ ~PIPE SUPPORT 2"?-4"? UNDER/GROUND (U/G) FIRE WATER SERVICE (F) FROM UTILITY: FLOOR SINK OR FUNNEL TYPE FLOOR DRAIN F.C. SHALL COORDINATE WATER FLOW & PRESSURE REQUIREMENTS NEEDED FOR FIRE SUPPRESSION SYSTEM - REDUCED PRESSURE TYPE DETECTOR (ASSUMED APPROX. 30-80 GPM @ 60 PSIG FOR NEW

GENERAL FIRE PROTECTION/SUPPRESSION NOTES:

ADDENDUM #1

1. THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF THE WORK. THE FIRE

HAVING JURISDICTION (AHJ). REFER TO DIVISION 21000 SPECIFICATIONS FOR REQUIREMENTS.

PORCHES, ETC...REFER TO ARCHITECTURAL PLANS/SECTIONS) WHERE REQUIRED BY CODE,

INTERFACES WITH FIRE ALARM CONTRACTOR (E.G. FLOW SWITCHES, TAMPER SWITCHES, ETC.).

AVAILABLE FOR FIRE SUPPRESSION WILL BE 30-80 GPM @ 60 PSIG.

DESIGN, AND SUBMIT TO AHJ FOR APPROVAL PRIOR TO CONSTRUCTION.

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CEILING PLANS FOR CEILING TYPES AND HEIGHTS.

FIRE ALARM

HORN/STROBE

& WIRING BY

E.C./FIRE ALARM SUB

O.S.&Y GATE VALVE WITH THRU-THE-WALL POST

NFPA13R SYSTEM) - F.C. SHALL COORDINATE/CONFIRM

WITH UTILITY & SITE/CIVIL TRADES PRIOR TO ROUGH-IN

PROTECTION/SUPPRESSION CONTRACTOR (F.C.) SHALL DESIGN-BUILD NEW FIRE PROTECTION SYSTEMS COMPLETE, PER

APPLICABLE CODES, PER NFPA, PER OWNER'S INSURANCE REQUIREMENTS, AND PER REQUIREMENTS OF AUTHORITIES

BUILDING CODE), INCLUDING ALL PIPING, OFFSETS, FITTINGS, VALVES, DRAINS, TEST CONNECTIONS, SPRINKLER HEADS,

ETC. AS REQUIRED TO PROTECT THE ENTIRE BUILDING. REFER TO ARCHITECTURAL PLANS FOR DETAILS. PROVIDE DRY/ANTI-FREEZE SYSTEMS FOR AREAS SUBJECT TO FREEZING CONDITIONS (WOOD ATTIC, WOOD FRAMED COVERED

3. VERIFY AVAILABLE WATER PRESSURE/FLOW WITH LOCAL MUNICIPAL WATER UTILITY AND/OR PERFORM FLOW/PRESSURE

ON-SITE WATER WELL SYSTEM TO SERVE BOTH DOMÉSTIC & NFPA 13R FIRE FLOW, THE FLOW AND PRESSURE

TEST PRIOR TO BID/DESIGN. PER THE OWNER'S SITE/CIVIL ENGINEER WHO IS CURRENTLY DESIGNING A NEW PRIVATE

PREPARE SHOP DRAWINGS, INCLUDING HYDRAULIC CALCULATIONS, SIGNED/SEALED BY A LICENSED PROFESSIONAL FIRE

PROTECTION ENGINEER (IN STATE OF PROJECT JURISDICTION) EXPERIENCED IN FIRE SUPPRESSION SPRINKLER SYSTEM

5. COORDINATE FIRE PROTECTION WORK WITH THE WORK OF ALL OTHER TRADES. COORDINATE EQUIPMENT CLEARANCES

WITH OTHER TRADES. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR CEILING TYPES. COORDINATE

6. REFER TO ARCHITECTURAL PLANS FOR INFORMATION ON FIRE RATED ASSEMBLY LOCATION/TYPES AND TO REFLECTED

TO NFPA 13R FIRE SUPPRESSION (F)

SPRINKLER SYSTEM (WET TYPE AND/OR

DRY/ANTI-FREEZE TYPE WHERE NEEDED PER BUILDING CONSTRUCTION) DESIGNED/BUILT BY

FIRE SUPPRESSION SUB-CONTRACTOR PER

APPLICABLE BUILDING/NFPA CODES ——

2. DESIGN-BUILD FIRE PROTECTION SUB-CONTRACTOR SHALL PROVIDE DESIGN & CONSTRUCTION OF A COMPLETE NEW

AUTOMATIC WET PIPE SPRINKLER SYSTEM SYSTEM IN ACCORDANCE WITH NFPA 13 (OR 13R WHERE ALLOWED BY

FIRE PROTECTION SUPPRESSION RISER PIPING DETAIL

FIRE PROTECTION/SUPPRESSION NOTES:

1. ENTIRE BUILDING, INCLUDING ALL LEVELS, AND THE WOOD-FRAMED ATTIC SPACES (IF NFPA 13), SHALL BE PROTECTED/SUPPRESSED.

CHECK VALVE ASSEMBLY OR DOUBLE

LOCAL WATER UTILITY REQUIREMENTS)

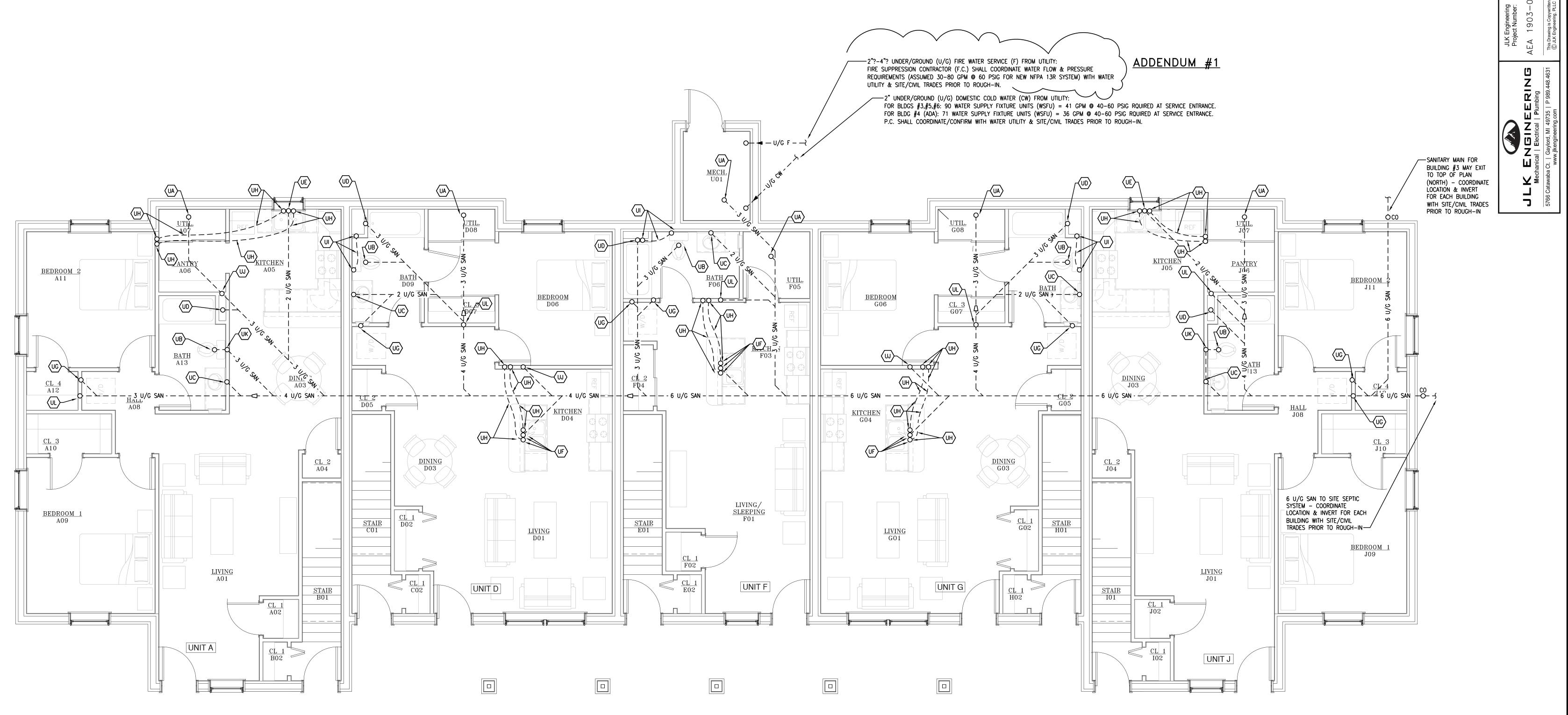
CHECK VALVE ASSEMBLY (COORDINATE WITH

- 2. ALL PIPING SHALL BE CONCEALED WHERE POSSIBLE. ANY PIPING EXPOSED WITHIN FINISHED AREAS SHALL COORDINATED WITH ARCHITECT PRIOR TO ROUGH-IN ANY EXPOSED PIPING SHALL BE PAINTED TO MATCH. COORDINATE COLOR WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN.
- 3. ALL EXPOSED UPTURNED SPRINKLER HEADS SHALL BE BLACK, COORDINATE COLOR WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN.
- 4. ALL SPRINKLER HEADS IN FINISHED CEILINGS SHALL BE CONCEALED TYPE WITH WHITE COVER. 5. SPRINKLER HEADS IN HIGH ABUSE AREAS (E.G. MECHANICAL ROOMS/CLOSETS, JANITOR CLOSETS, ETC.) SHALL BE PROTECTED WITH WIRE GUARDS.

PLUMBING DRAWING INDEX MBING TITLE SHEET - BUILDINGS 3, 5 & 6

OW GRADE PLUMBING PLAN - LOWER FLOOR BUILDINGS 3, 5 & 6 VE GRADE PLUMBING PLAN - LOWER FLOOR BUILDINGS 3, 5 & 6 P2.3 ABOVE GRADE PLUMBING PLAN - UPPER FLOOR BUILDINGS 3, 5 & 6

P3.1 PLUMBING DETAILS - BUILDINGS 3, 5 & 6



S 3, 5 & ADE PLUMI DEVELOPMENT BUILDINGS 3, 5 & 6
BELOW GRADE PLUMBING PLAN — LOWER FLOOR SCALE: 1/4" = 1'-0"KEYED BELOW GRADE PLUMBING CONSTRUCTION NOTES: 3 W UP TO FLOOR DRAIN ABOVE (FD). COORDINATE FLOOR DRAIN LOCATIONS WITH MECHANICAL AND PLUMBING EQUIPMENT LOCATIONS PRIOR TO ROUGH-IN. UB 3 W UP TO WATER CLOSET (WC) ABOVE. (UC) 2 DWV STACK UP TO LAV(S) ABOVE. (UD) 3 W UP TO TWO (2) BATHTUB/SHOWER (BTS) ABOVE. (UE) 2 W UP TO SINK (SK) ABOVE. (UF) 2 W, 1/2 CW, 1/2 HW UP TO SINK (SK) ABOVE. UG 2 W UP TO LAUNDRY BOX ABOVE. ROUTE 1/2 CW and 1/2 HW underground (u/g) to serve sk/lav. 1/2 CW and 1/2 HW up in wall to connect to CW and HW mains. ROUTE 1/2 UNDERGROUND (U/G) CW TO WATER CLOSET (WC). 1/2 CW UP IN WALL TO CONNECT TO CW MAIN. 2 W UP INTO WALL ABOVE, TO SERVE SANITARY WASTE FROM 2ND FLOOR SINK & FLOOR DRAIN. 3 W UP INTO WALL ABOVE, TO SERVE SANITARY WASTE FROM WATER CLOSET(S) ABOVE. UL) 3 W UP INTO WALL ABOVE, TO SERVE SANITARY WASTE FROM FIXTURES ABOVE.

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BUILDING PLUMBING

VENT (V)

LAVATORY (LAV)	1/2"	1/2"	1-1/2"	1-1/2"	1-1/2"
SINK (SK) - RESIDENTIAL/LIGHT COMMERCIAL	1/2"	1/2"	1-1/2"	1-1/2"	1-1/2"
WALL HYDRANT (WH) OR HOSE BIB (HB)		3/4"			
WATER CLOSET (WC) - FLUSH TANK		1/2"	3"	3"	2"
NOTES: 1. REFER TO DRAWINGS AND SPECIFICATIONS 1. REFER TO DRAWINGS AND SPECIFICATIONS			750 500 07440400 00		DEV

PLUMBING CONNECTION SCHEDULE

| HOT WATER | COLD WATER | WASTE (W) &

1/2"

(CW) INDIRECT WASTE (IW)

NOTES:									
 REFEF 	R TO DRAWIN	GS AND SPEC	FICATIONS FOR	MORE DET	ΓAILS.				
2. NOTE	THAT THE W	ATER SUPPLY	PIPE SIZES AB	OVE ARE N	MINIMUM SIZES	S FOR STAN	DARD COPPER	TUBING. PEX	
TUBING M	AY BE USED	INSTEAD OF	COPPER, UNLES	S NOTED (OTHERWISE, P	EX TUBING I	RUN-OUTS SH	OULD BE 1/2	19
PIPE SIZE	LARGER.								

1/2"

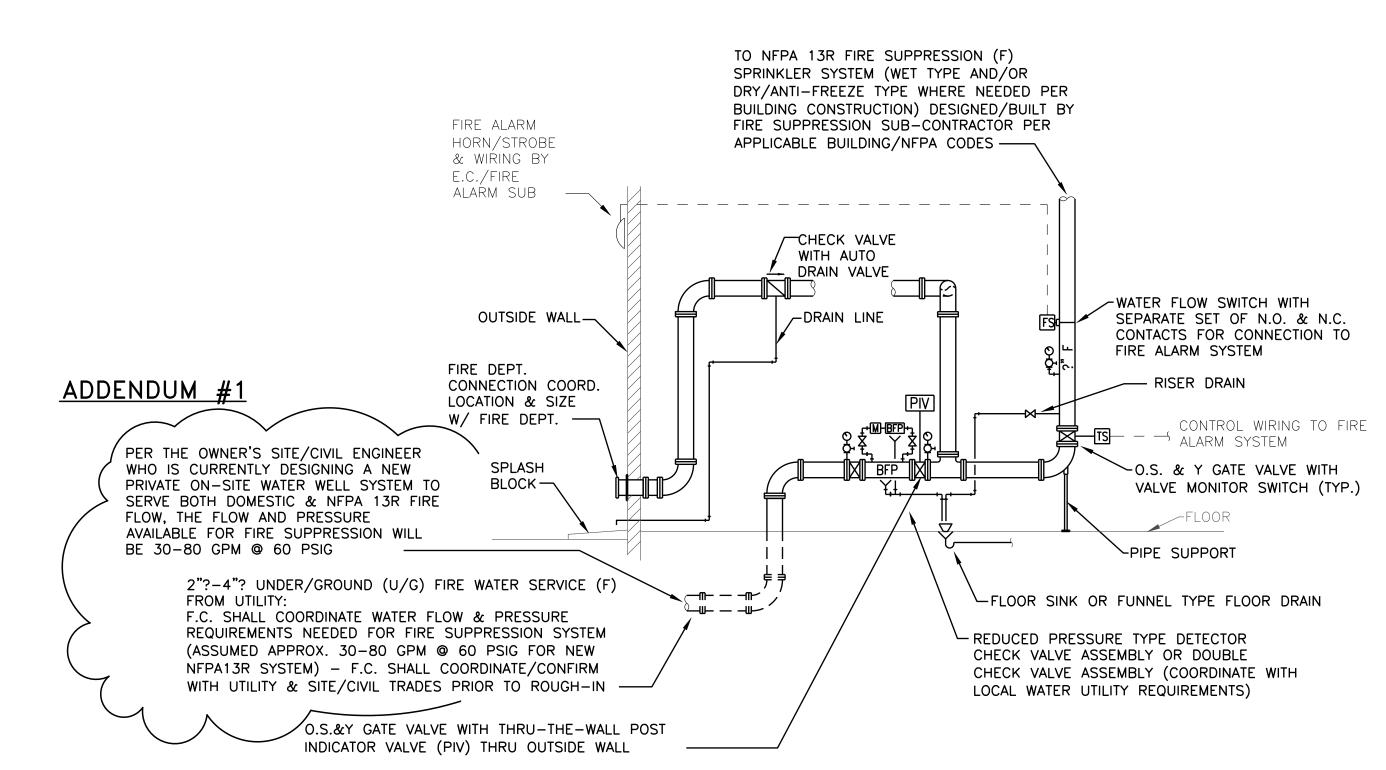
GENERAL	FIRE	PROTECTION/SUPPRESSION	NOTES:	

ADDENDUM #1

- 1. THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF THE WORK. THE FIRE PROTECTION/SUPPRESSION CONTRACTOR (F.C.) SHALL DESIGN-BUILD NEW FIRE PROTECTION SYSTEMS COMPLETE, PER APPLICABLE CODES, PER NFPA, PER OWNER'S INSURANCE REQUIREMENTS, AND PER REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION (AHJ). REFER TO DIVISION 21000 SPECIFICATIONS FOR REQUIREMENTS.
- 2. DESIGN-BUILD FIRE PROTECTION SUB-CONTRACTOR SHALL PROVIDE DESIGN & CONSTRUCTION OF A COMPLETE NEW AUTOMATIC WET PIPE SPRINKLER SYSTEM SYSTEM IN ACCORDANCE WITH NFPA 13 (OR 13R WHERE ALLOWED BY BUILDING CODE), INCLUDING ALL PIPING, OFFSETS, FITTINGS, VALVES, DRAINS, TEST CONNECTIONS, SPRINKLER HEADS, ETC. AS REQUIRED TO PROTECT THE ENTIRE BUILDING. REFER TO ARCHITECTURAL PLANS FOR DETAILS. PROVIDE DRY/ANTI-FREEZE SYSTEMS FOR AREAS SUBJECT TO FREEZING CONDITIONS (WOOD ATTIC, WOOD FRAMED COVERED PORCHES, ETC...REFER TO ARCHITECTURAL PLANS/SECTIONS) WHERE REQUIRED BY CODE,

3. VERIFY AVAILABLE WATER PRESSURE/FLOW WITH LOCAL MUNICIPAL WATER UTILITY AND/OR PERFORM FLOW/PRESSURE TEST PRIOR TO BID/DESIGN. PER THE OWNER'S SITE/CIVIL ENGINEER WHO IS CURRENTLY DESIGNING A NEW PRIVATE ON-SITE WATER WELL SYSTEM TO SERVE BOTH DOMESTIC & NFPA 13R FIRE FLOW, THE FLOW AND PRESSURE AVAILABLE FOR FIRE SUPPRESSION WILL BE 30-80 GPM @ 60 PSIG. 4. PREPARE SHOP DRAWINGS, INCLUDING HYDRAULIC CALCULATIONS, SIGNED/SEALED BY A LICENSED PROFESSIONAL FIRE PROTECTION ENGINEER (IN STATE OF PROJECT JURISDICTION) EXPERIENCED IN FIRE SUPPRESSION SPRINKLER SYSTEM

- DESIGN, AND SUBMIT TO AHJ FOR APPROVAL PRIOR TO CONSTRUCTION. 5. COORDINATE FIRE PROTECTION WORK WITH THE WORK OF ALL OTHER TRADES. COORDINATE EQUIPMENT CLEARANCES WITH OTHER TRADES. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR CEILING TYPES. COORDINATE INTERFACES WITH FIRE ALARM CONTRACTOR (E.G. FLOW SWITCHES, TAMPER SWITCHES, ETC.).
- 6. REFER TO ARCHITECTURAL PLANS FOR INFORMATION ON FIRE RATED ASSEMBLY LOCATION/TYPES AND TO REFLECTED CEILING PLANS FOR CEILING TYPES AND HEIGHTS.



FIRE PROTECTION SUPPRESSION RISER PIPING DETAIL

FIRE PROTECTION/SUPPRESSION NOTES:

BE PROTECTED/SUPPRESSED.

- 1. ENTIRE BUILDING, INCLUDING ALL LEVELS, AND THE WOOD-FRAMED ATTIC SPACES (IF NFPA 13), SHALL
- 2. ALL PIPING SHALL BE CONCEALED WHERE POSSIBLE. ANY PIPING EXPOSED WITHIN FINISHED AREAS SHALL COORDINATED WITH ARCHITECT PRIOR TO ROUGH-IN ANY EXPOSED PIPING SHALL BE PAINTED TO MATCH. COORDINATE COLOR WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN.
- 3. ALL EXPOSED UPTURNED SPRINKLER HEADS SHALL BE BLACK, COORDINATE COLOR WITH
- ARCHITECT/OWNER PRIOR TO ROUGH-IN.
- 4. ALL SPRINKLER HEADS IN FINISHED CEILINGS SHALL BE CONCEALED TYPE WITH WHITE COVER. 5. SPRINKLER HEADS IN HIGH ABUSE AREAS (E.G. MECHANICAL ROOMS/CLOSETS, JANITOR CLOSETS, ETC.) SHALL BE PROTECTED WITH WIRE GUARDS.

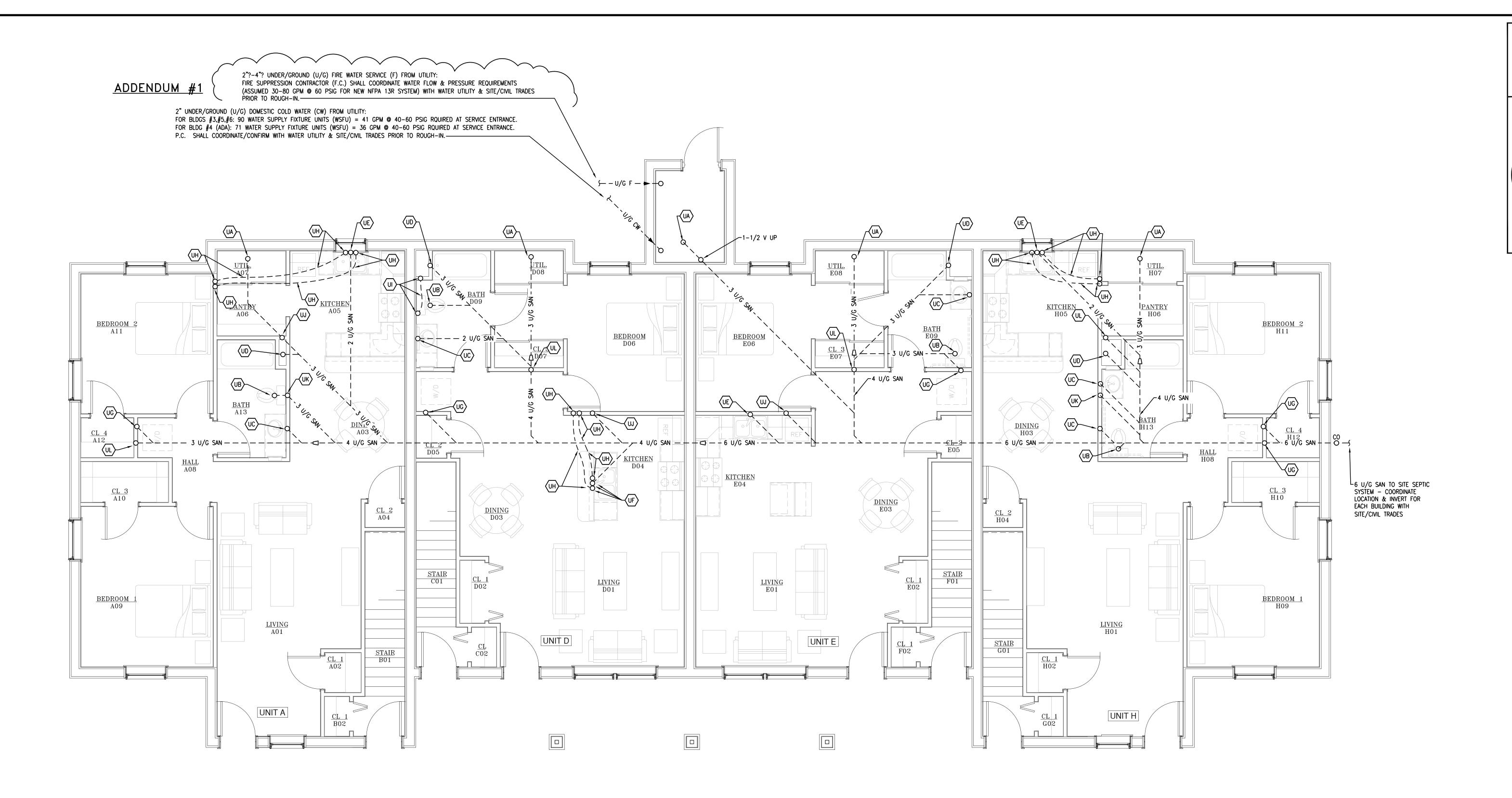
PLUMBING SYMBOL LIST		PL\	JMBING ABBREVIATION LIST	
	DESCRIPTION	ABBREVIATION	DESCRIPTION	
<u> </u>	PIPE ELBOW UP	AAV AFF	AIR ADMITTANCE VALVE ABOVE FINISHED FLOOR	
	PIPE ELBOW DOWN	ASR	AUTOMATIC SPRINKLER RISER	GENERAL PLUMBING NOTES:
	DIRECTION OF FLOW UNION	BFP	BACKFLOW PREVENTER	 THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL SCOPE OF WORK. CONTRACTOR SHALL PROVIDE PLUMBING SYSTEMS AND RELATED
	CONCENTRIC REDUCER	BHP BTU	BRAKE HORSEPOWER BRITISH THERMAL UNIT	EQUIPMENT COMPLETE AND INCLUDE ALL NECESSARY OFFSETS, FITTINGS, AND OTHER COMPONENTS REQUIRED DUE TO INTERFERENCES, SPACE CONSTRAINTS,
	ECCENTRIC REDUCER PIPE CAP OR PLUG	ВТИН	BRITISH THERMAL UNITS PER HOUR	ETC.
	CIRCULATING PUMP	CAP CO	CAPACITY CLEAN OUT	 PLUMBING SYSTEMS SHALL BE INSTALLED PER MICHIGAN/INTERNATIONAL PLUMBING CODE, MICHIGAN/INTERNATIONAL FUEL GAS CODE,
	ISOLATION VALVE	COND CONT	CONDENSATE CONTINUATION OR CONTINUED	MICHIGAN/INTERNATIONAL MECHANICAL CODE, AND APPLICABLE MICHIGAN/INTERNATIONAL BUILDING CODES (E.G. MICHIGAN/INTERNATIONAL BUILDING CODES, NFPA CODES, ETC.). COORDINATE & CONFIRM LTBB ODAWA
	BALL VALVE CHECK VALVE (SWING)	CONTR COORD	CONTRACTOR COORDINATE	INDIANS' (OWNER) CURRENT BUILDING CODE REQUIREMENTS PRIOR TO BID/CONSTRUCTION.
	CHECK VALVE (SPRING)	CW	DOMESTIC COLD WATER	3. PLUMBING CONTRACTOR (P.C.) SHALL COORDINATE THE INSTALLATION OF
	COMBINATION BALANCE VALVE & FLOW MEASURING DEVICE STRAINER (Y-TYPE)	DEG DN	DEGREES DOWN	PLUMBING & FIRE SUPPRESSION WORK WITH ALL OTHER TRADES. P.C./F.C. SHALL VERIFY ALL MECHANICAL/PLUMBING AND ELECTRICAL CLEARANCES PRIOR
	STRAINER (BLOW OFF TYPE)	DWH DW&V	DOMESTIC WATER HEATER DRAINAGE WASTE & VENT	TO FABRICATION OF ANY NEW WORK. PIPING SHALL NOT BE LOCATED DIRECTLOVER ELECTRICAL EQUIPMENT AND PANELS, OR INTERFERE WITH
—-∞	TRAP (PLAN VIEW) FLOOR DRAIN (PLAN VIEW)			ELECTRICAL/MECHANICAL EQUIPMENT CLEARANCE SPACES. 4. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION/HEIGHTS OF FIXTURES
— У	FLOOR DRAIN (ELEVATION)	(E) E.C.	EXISTING ELECTRICAL CONTRACTOR	(STANDARD AND BARRIER FREE), SINKS, TOILETS, LAVATORIES, COUNTERS, APPLIANCES, ETC. COORDINATE WITH ARCHITECTURAL PLANS FOR DETAILS ON
\₹	FUNNEL FLOOR DRAIN (PLAN VIEW) FUNNEL FLOOR DRAIN (ELEVATION)	ELEC ELEV	ELECTRICAL ELEVATION	CASEWORK, FURNITURE, ETC.
	CLEAN OUT (IN FLOOR)	EWT	ENTERING WATER TEMPERATURE	 MINIMUM UNDERGROUND (U/G) SANITARY PIPE SIZE SHALL BE 3", UNLESS NOTED OTHERWISE.
—— C0	CLEAN OUT (IN LINE)	F (F)	FIRE PROTECTION FUTURE	 PLUMBING VENTS THROUGH THE ROOF SHALL BE LOCATED AT LEAST 10'-0" AWAY FROM OUTDOOR AIR INTAKE LOCATIONS.
——— В	BACKFLOW PREVENTER HOSE BIBB (INTERIOR - NON FREEZEPROOF)	F.A. F.C.	FIRE ALARM SUBCONTRACTOR FIRE SUPPRESSION SUBCONTRACTOR	7. ALL CLEANOUTS INSTALLED IN SANITARY WASTE AND VENT PIPING SHALL HAVE
- Н	WALL HYDRANT (EXTERIOR - FREEZEPROOF)	F.C. FD FFD	FLOOR DRAIN FUNNEL FLOOR DRAIN	CODE REQUIRED CLEARANCES PROVIDED. 8. ALL EQUIPMENT SHALL BE PROVIDED WITH ISOLATION VALVES AND ALL FIXTURE
حر م	SIAMESE CONNECTION (YARD)	FLA	FULL LOAD AMPS	8. ALL EQUIPMENT SHALL BE PROVIDED WITH ISOLATION VALVES AND ALL FIXTURE SHALL BE PROVIDED WITH STOP VALVES. ALL VALVES/STOPS SHALL BE INSTALLED IN ACCESSIBLE LOCATIONS.
<u></u>	SIAMESE CONNECTION (WALL MOUNTED) PRESSURE RELIEF VALVE	FLR FPM	FLOOR FEET PER MINUTE	9. ALL FLOOR DRAINS SUBJECT TO LOSS OF SEAL (I.E. MECHANICAL
	PRESSURE REDUCING VALVE	FT	FEET	ROOMS/CLOSETS, STORAGE ROOMS, ETC.) SHALL BE PROVIDED WITH A TRAP SEAL PRIMER.
	PRESSURE AND TEMPERATURE RELIEF VALVE PRESSURE REGULATING VALVE	G GPH	GAS (NATURAL GAS/PROPANE) GALLONS PER HOUR	10. COORDINATE ALL FLOOR, WALL, AND ROOF PENETRATIONS, EQUIPMENT PADS, ETC. WITH ARCHITECTURAL/STRUCTURAL TRADES PRIOR TO ROUGH-IN. UNLESS
	PRESSURE AND TEMPERATURE TEST PLUG	GPM	GALLONS PER MINUTE	NOTED OTHERWISE, EACH SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING, CORING, PATCHING ASSOCIATED WITH THEIR WORK. CUTTING, CORING
	PRESSURE GAUGE AND COCK	HB HP	HOSE BIB HORSEPOWER	PATCHING WORK SHALL BE PERFORMED BY A QUALIFIED SUB-CONTRACTOR AND MATCH EXISTING OR NEW FINISHES.
	THERMOMETER	HR HTG	HOUR HEATING	11. FIRE CAULK/STOP ALL PLUMBING PENETRATIONS THRU FIRE RATED ASSEMBLIES PER CODE REQUIREMENTS. REFER TO ARCHITECTURAL PLANS/SECTIONS FOR
		HW HWR	DOMESTIC HOT WATER DOMESTIC HOT WATER RETURN	LOCATION/TYPES OF FIRE RATED ASSEMBLIES.
	MANUAL AIR VENT AUTOMATIC AIR VENT	HYD	HYDRANT	
	DOMESTIC COLD WATER PIPING	ID LE	INSIDE DIAMETER	
	DOMESTIC HOT WATER PIPING DOMESTIC HOT WATER RETURN PIPING	I.E. IN	INVERT ELEVATION INCHES	
	DOMESTIC HOT WATER RETURN PIPING SANITARY WASTE PIPING	INL IW	INLET INDIRECT WASTE	METHODS OF NOTATION
	SANITARY VENT PIPING	ĸw	KILOWATT	
	NON POTABLE COLD WATER FIRE PROTECTION PIPING	LAV	LAVATORY	EQUIPMENT DESIGNATION (I.E. EXHAUST FAN NUMBER 1)
		LRA LWT	LOCKED ROTOR AMPS LEAVING WATER TEMPERATURE	
		MAX	MAXIMUM	CONSTRUCTION KEYED NOTE NUMBER
		MBH M.C.	THOUSAND BRITISH THERMAL UNITS PER HOUR MECHANICAL CONTRACTOR	NEW SYSTEM COMPONENT EXISTING SYSTEM COMPONENT TO REMAIN
		MECH MFR	MECHANICAL MANUFACTURER	
		MIN	MINIMUM	POINT OF NEW CONNECTION
		MISC MMBH	MISCELLANEOUS MILLION BRITISH THERMAL UNITS PER HOUR	
		MS	MOP SINK	
		NC NIC	NORMALLY CLOSED NOT IN CONTRACT	
		NO NOM	NORMALLY OPEN NOMINAL	
		NPCW	NON POTABLE WATER	
		OC OD	ON CENTER/CENTER TO CENTER OUTSIDE DIAMETER	
		P.C.	PLUMBING CONTRACTOR	
		PD PRI	PRESSURE DROP PRIOR TO ROUGH-IN	
		PRV	PRESSURE REDUCING VALVE	
		PSIA PSIG	POUNDS PER SQUARE INCH (ABSOLUTE) POUNDS PER SQUARE INCH (GAUGE)	
		RPM	REVOLUTIONS PER MINUTE	
		SAN	SANITARY WASTE	
		SHR SK	SHOWER SINK	
		SPHD SPKR	SPRINKLER HEAD SPRINKLER	
		SPKR.STP SqFt	SPRINKLER STANDPIPE SQUARE FOOT/SQUARE FEET	
		SGFT	SERVICE SINK	DITIMBINO DEAMINO INDEV
		TYP	TYPICAL	PLUMBING DRAWING INDEX
		U/G	UNDERGROUND (BELOW_GRADE)	P1.0 PLUMBING TITLE SHEET - BUILDING 4
		UL UON	UNDERWRITERS LABORATORY UNLESS OTHERWISE NOTED	
		UR	URINAL	P2.1 BELOW GRADE PLUMBING PLAN — LOWER FLOOR BUILDING 4 P2.2 ABOVE GRADE PLUMBING PLAN — LOWER FLOOR BUILDING 4
		V VS	VENT VENT STACK	P2.3 ABOVE GRADE PLUMBING PLAN - UPPER FLOOR BUILDING 4
		VSD VTR	VARIABLE SPEED DRIVE VENT THRU ROOF	P3.1 PLUMBING DETAILS — BUILDING 4
		W	WASTE	
		WC WCO	WATER CLOSET WALL CLEAN OUT	

WASTE & VENT

FIXTURE TYPE

CLOTHES WASHING MACHINE (DOMESTIC)

BATHTUB SHOWER (BTS)



BUILDING 4
BELOW GRADE PLUMBING PLAN — LOWER FLOOR

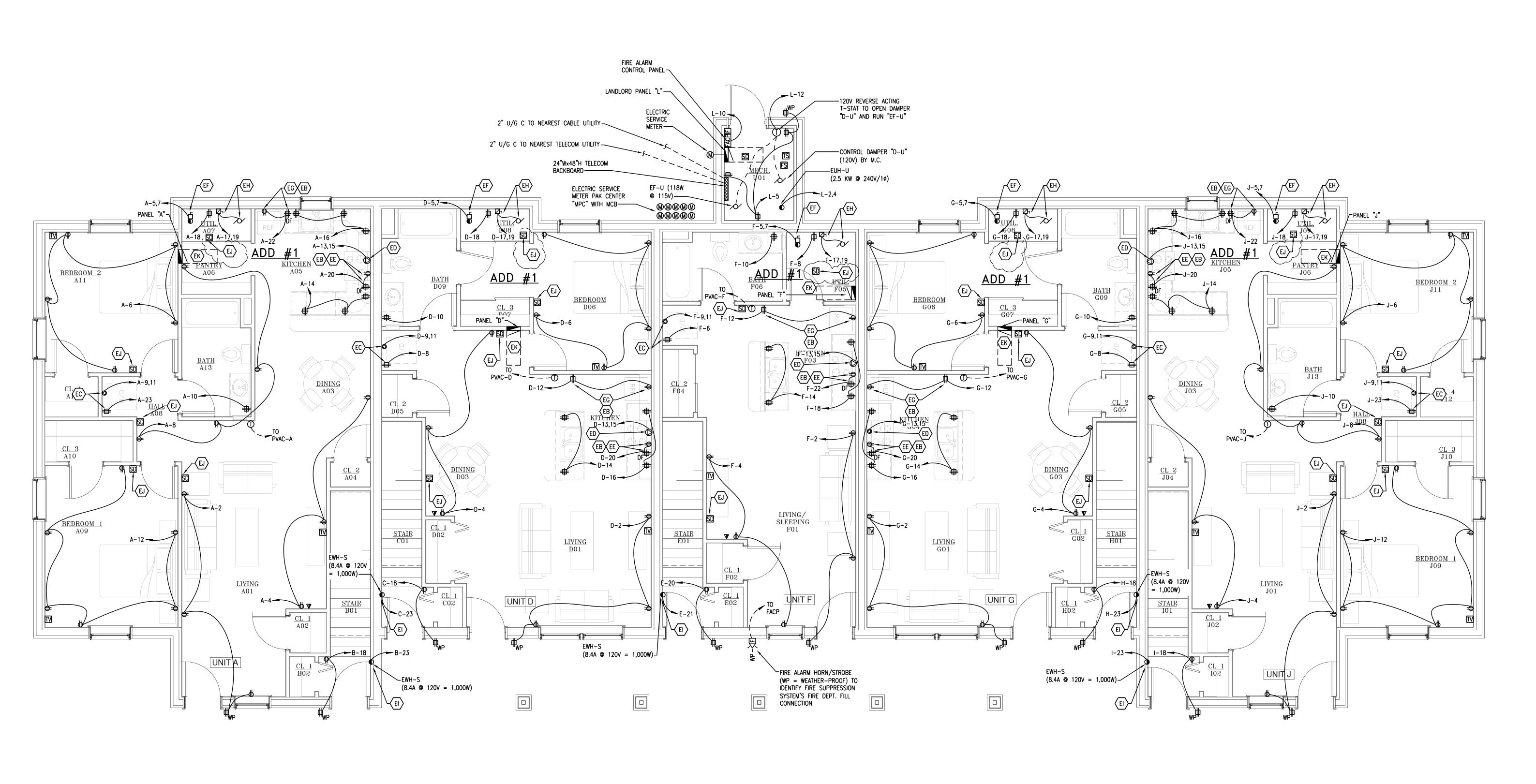
SCALE: 1/4" = 1'-0"

KEYED BELOW GRADE PLUMBING CONSTRUCTION NOTES:

- 3 W UP TO FLOOR DRAIN ABOVE (FD). COORDINATE FLOOR DRAIN LOCATIONS WITH MECHANICAL AND PLUMBING EQUIPMENT LOCATIONS PRIOR TO ROUGH-IN.
- (UB) 3 W UP TO WATER CLOSET (WC) ABOVE.
- UC 2 DWV STACK UP TO LAV(S) ABOVE.
- UD 3 W UP TO TWO (2) BATHTUB/SHOWER (BTS) ABOVE.
- (UE) 2 W UP TO SINK (SK) ABOVE.
- (UF) 2 W, 1/2 CW, 1/2 HW UP TO SINK (SK) ABOVE.
- UG 2 W UP TO LAUNDRY BOX ABOVE.
- (UH) ROUTE 1/2 CW AND 1/2 HW UNDERGROUND (U/G) TO SERVE SK/LAV. 1/2 CW AND 1/2 HW UP IN WALL TO CONNECT TO CW AND HW MAINS.
- ROUTE 1/2 UNDERGROUND (U/G) CW TO WATER CLOSET (WC). 1/2 CW UP IN WALL TO CONNECT TO CW MAIN.
- 2 W UP INTO WALL ABOVE, TO SERVE SANITARY WASTE FROM 2ND FLOOR SINK & FLOOR DRAIN.
- 3 W UP INTO WALL ABOVE, TO SERVE SANITARY WASTE FROM WATER CLOSET(S) ABOVE.
- CLOSET(S) ABOVE.

 3 W UP INTO WALL ABOVE, TO SERVE SANITARY WASTE FROM FIXTURES ABOVE.

DEVELOPMENT



BUILDINGS 3, 5 & 6 ELECTRICAL POWER PLAN — LOWER FLOOR SCALE: 1/4" = 1'-0"

KEYED ELECTRICAL POWER CONSTRUCTION NOTES:

COORDINATE LOCATION AND MOUNTING HEIGHT OF ALL ELECTRICAL DEVICES AND AUXILLARY ELECTRICAL DEVICES (I.E. TELECOM, AUDIO/VIDEO, CABLE TV, ETC.) WITH

OWNER/OWNER'S REP PRIOR TO ROUGH-IN.

- FOR LOCATIONS WHERE GFI RECEPTACLES ARE REQUIRED TO SERVICE APPLIANCES AND INSTALLED IN NON-ACCESSIBLE LOCATIONS, WIRE A RECEPTACLE FROM A NEW DEAD-FRONT (DF) GFI RECEPTACLE IN ACCESSIBLE LOCATION PER NEC.
- PROVIDE POWER/RECEPTACLE FOR ELECTRIC STACKABLE WASHER/DRYER (ASSUMED 24A @ 240V = 5,760W).
- COORDINATE AND CONFIRM REQUIREMENTS WITH OWNER
- PROVIDE POWER/RECEPTACLE FOR ELECTRIC RANGE (ASSUMED 7.5 KW @ 240V = 4A/2P BKR. COORDINATE AND CONFIRM REQUIREMENTS WITH OWNER PRIOR TO ROUGH IN. PROVIDE POWER/RECEPTACLE FOR NON-DUCTED
- RECIRCULATING RANGEHOOD (ASSUMED 400 W @ 115V).
 COORDINATE AND CONFIRM REQUIREMENTS AND LOCATION WITH OWNER PRIOR TO ROUGH IN.
- WATER HEATER (DWH) 4.5 KW @ 240V. COORDINATE AND CONFIRM REQUIREMENTS WITH P.C. PRIOR TO ROUGH IN. PROVIDE RECEPT. FOR REFRIGERATOR (ASSUMED 1,500W @

PROVIDE POWER & DISCONNECT FOR ELECTRIC DOMESTIC

PROVIDE POWER/DISCONNECT & CONTROL ROUGH-IN FOR

CKT/CONDUIT ROUGH-IN FOR RECESSED ELEC WALL HEATER

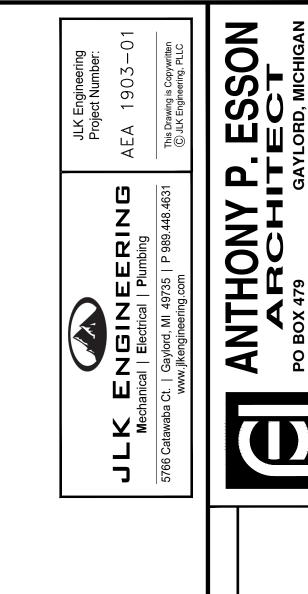
- 115V). COORDINATE AND CONFIRM REQUIREMENTS WITH OWNER PRIOR TO ROUGH IN.
- EH) PACKAGED VERTICAL AIR CONDITIONING UNIT (PVAC). COORDINATE/CONFIRM WITH M.C. PRIOR TO ROUGH IN.

ELECTRICAL CONTRACTOR (E.C.) SHALL COORDINATE

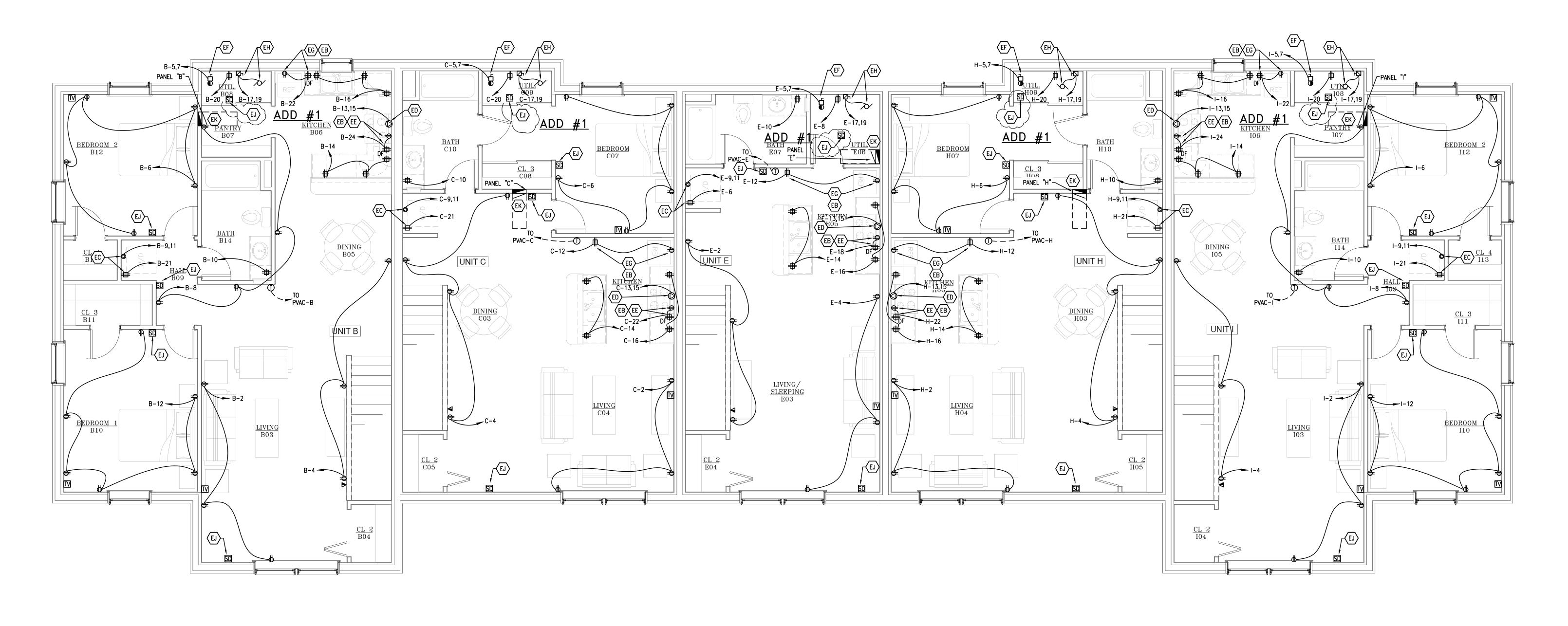
- PROVIDE SMOKE DETECTORS (SD) THROUGHOUT EACH
 APARTMENT UNIT AND INTERCONNECT TO ALARM WITH OTHER
 SMOKE DETECTORS IN THAT APARTMENT UNIT.
- COORDINATE EXACT LOCATION OF PANELBOARD WITH OTHER TRADES TO AVOID CONFLICTS WITH DUCTWORK, PIPING, EQUIPMENT, ETC.
- PROVIDE RECEPTACLES IN PENINSULA/ISLAND COUNTERTOP IN ACCORDANCE WITH APPLICABLE CODES. LOCATE IN BACKSPLASH ABOVE MAIN COUNTERTOP AND BELOW RAISED BAR COUNTERTOP.
- PROVIDE RECEPTACLES ON EACH SIDE OF ADA ISLAND COUNTERTOP IN ACCORDANCE WITH APPLICABLE CODES. LOCATE WITHIN 12" OF TOP OF COUNTERTOP.
- PROVIDE HARD-WIRED 24V AUDIO/VISUAL DOORBELL KIT FOR ADA LOWER LEVEL UNITS = EDWARDS # 7005-G5 OR EQUAL WITH: ONE COMBINATION HORN/STROBE (#6536-G5, LOCATED IN UNIT NEAR DOOR), ONE POWER SUPPLY (#529, LOCATED IN UTILITY CLOSET), ONE SINGLE GANG BACKLIGHT DOORBELL

PUSH BUTTOM (#620, LOCATED ON EXTERIOR).

⊗ III



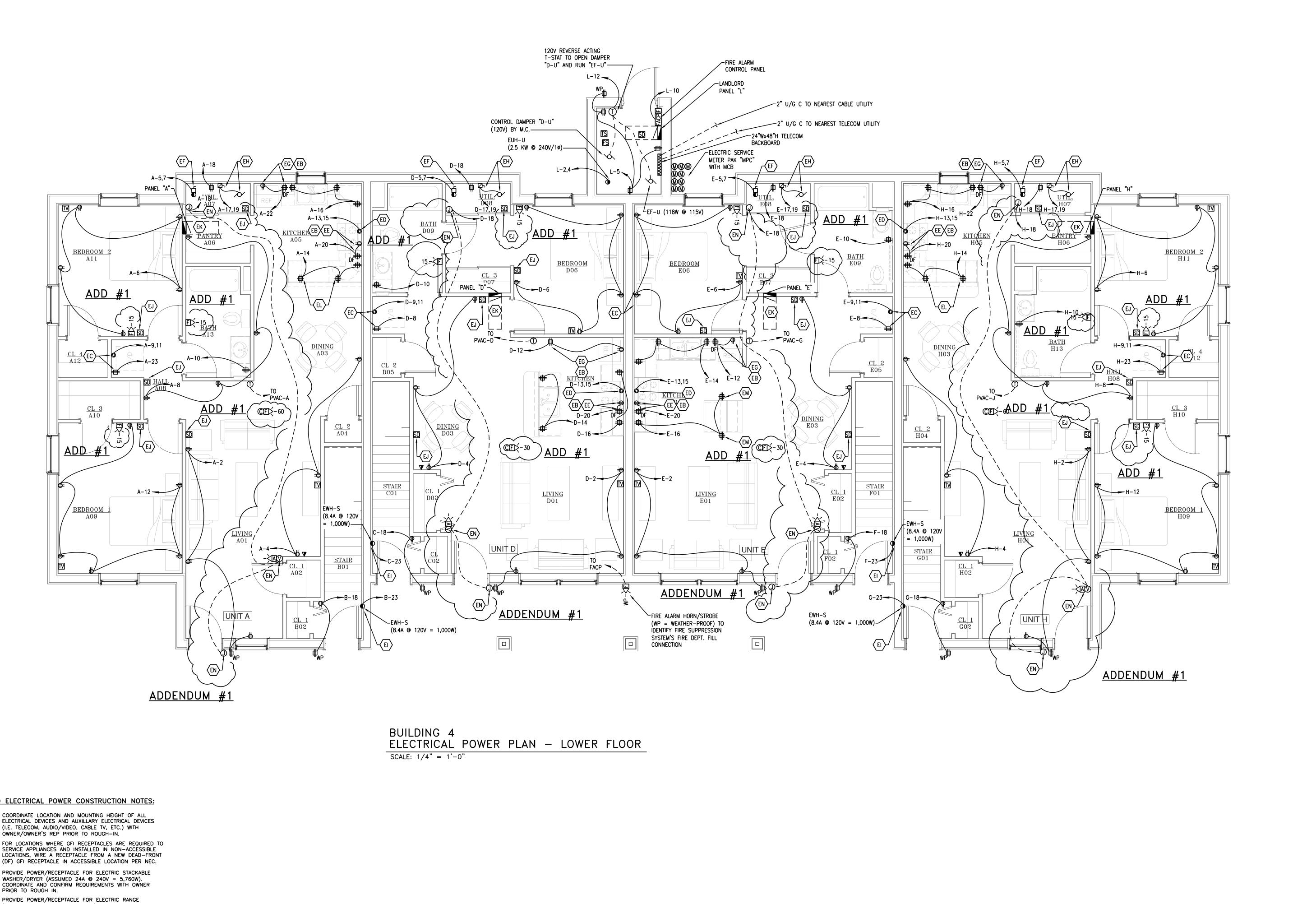
5 & NER



BUILDINGS 3, 5 & 6 ELECTRICAL POWER PLAN — UPPER FLOOR SCALE: 1/4" = 1'-0"

KEYED ELECTRICAL POWER CONSTRUCTION NOTES:

- COORDINATE LOCATION AND MOUNTING HEIGHT OF ALL ELECTRICAL DEVICES AND AUXILLARY ELECTRICAL DEVICES (I.E. TELECOM, AUDIO/VIDEO, CABLE TV, ETC.) WITH
- OWNER/OWNER'S REP PRIOR TO ROUGH-IN. FOR LOCATIONS WHERE GFI RECEPTACLES ARE REQUIRED TO SERVICE APPLIANCES AND INSTALLED IN NON-ACCESSIBLE LOCATIONS, WIRE A RECEPTACLE FROM A NEW DEAD-FRONT (DF) GFI RECEPTACLE IN ACCESSIBLE LOCATION PER NEC.
- PROVIDE POWER/RECEPTACLE FOR ELECTRIC STACKABLE WASHER/DRYER (ASSUMED 24A @ 240V = 5,760W). COORDINATE AND CONFIRM REQUIREMENTS WITH OWNER
- PROVIDE POWER/RECEPTACLE FOR ELECTRIC RANGE (ASSUMED 7.5 KW @ 240V = 4A/2P BKR. COORDINATE AND CONFIRM REQUIREMENTS WITH OWNER PRIOR TO ROUGH IN.
- PROVIDE POWER/RECEPTACLE FOR NON-DUCTED
 RECIRCULATING RANGEHOOD (ASSUMED 400 W @ 115V).
 COORDINATE AND CONTROL OF THE PROPERTY WITH OWNER PRIOR TO ROUGH IN.
- PROVIDE POWER & DISCONNECT FOR ELECTRIC DOMESTIC WATER HEATER (DWH) 4.5 KW @ 240V. COORDINATE AND CONFIRM REQUIREMENTS WITH P.C. PRIOR TO ROUGH IN.
- PROVIDE RECEPT. FOR REFRIGERATOR (ASSUMED 1,500W @ 115V). COORDINATE AND CONFIRM REQUIREMENTS WITH OWNER PRIOR TO ROUGH IN. PROVIDE POWER/DISCONNECT & CONTROL ROUGH-IN FOR
- PROVIDE POWER/DISCONNECT & CONTROL ROUGH—IN
 PACKAGED VERTICAL AIR CONDITIONING UNIT (PVAC). COORDINATE/CONFIRM WITH M.C. PRIOR TO ROUGH IN. ELECTRICAL CONTRACTOR (E.C.) SHALL COORDINATE CKT/CONDUIT ROUGH-IN FOR RECESSED ELEC WALL HEATER WITH M.C. AND ICF CONTRACTOR.
- PROVIDE SMOKE DETECTORS (SD) THROUGHOUT EACH
 APARTMENT UNIT AND INTERCONNECT TO ALARM WITH OTHER
 SMOKE DETECTORS IN THAT APARTMENT UNIT.
- COORDINATE EXACT LOCATION OF PANELBOARD WITH OTHER TRADES TO AVOID CONFLICTS WITH DUCTWORK, PIPING, EQUIPMENT, ETC.
- PROVIDE RECEPTACLES IN PENINSULA/ISLAND COUNTERTOP IN ACCORDANCE WITH APPLICABLE CODES. LOCATE IN BACKSPLASH ABOVE MAIN COUNTERTOP AND BELOW RAISED BAR COUNTERTOP.
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KEYED ELECTRICAL POWER CONSTRUCTION NOTES:

COORDINATE LOCATION AND MOUNTING HEIGHT OF ALL ELECTRICAL DEVICES AND AUXILLARY ELECTRICAL DEVICES (I.E. TELECOM, AUDIO/VIDEO, CABLE TV, ETC.) WITH

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WASHER/DRYER (ASSUMED 24A @ 240V = 5,760W). COORDINATE AND CONFIRM REQUIREMENTS WITH OWNER

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PROVIDE POWER/DISCONNECT & CONTROL ROUGH-IN FOR PACKAGED VERTICAL AIR CONDITIONING UNIT (PVAC). COORDINATE/CONFIRM WITH M.C. PRIOR TO ROUGH IN.

ELECTRICAL CONTRACTOR (E.C.) SHALL COORDINATE CKT/CONDUIT ROUGH-IN FOR RECESSED ELEC WALL HEATER WITH M.C. AND ICF CONTRACTOR.

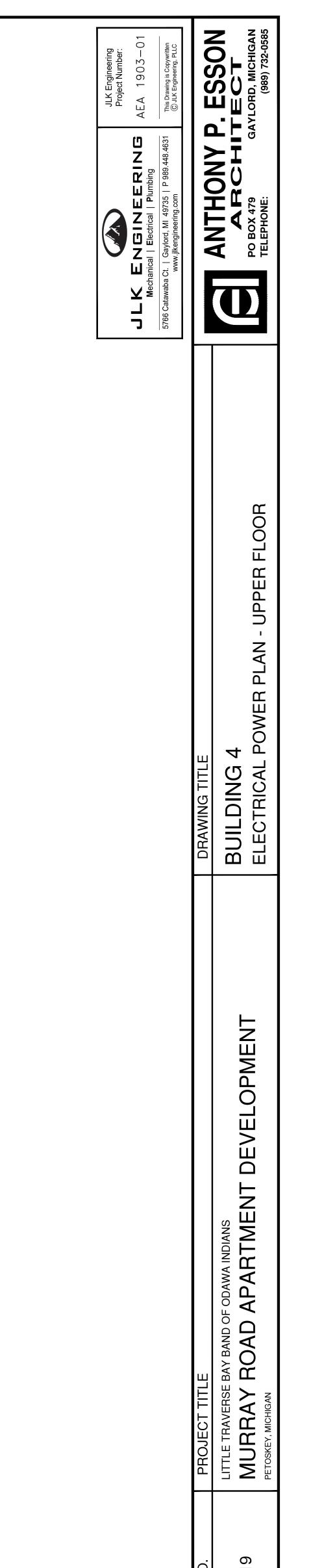
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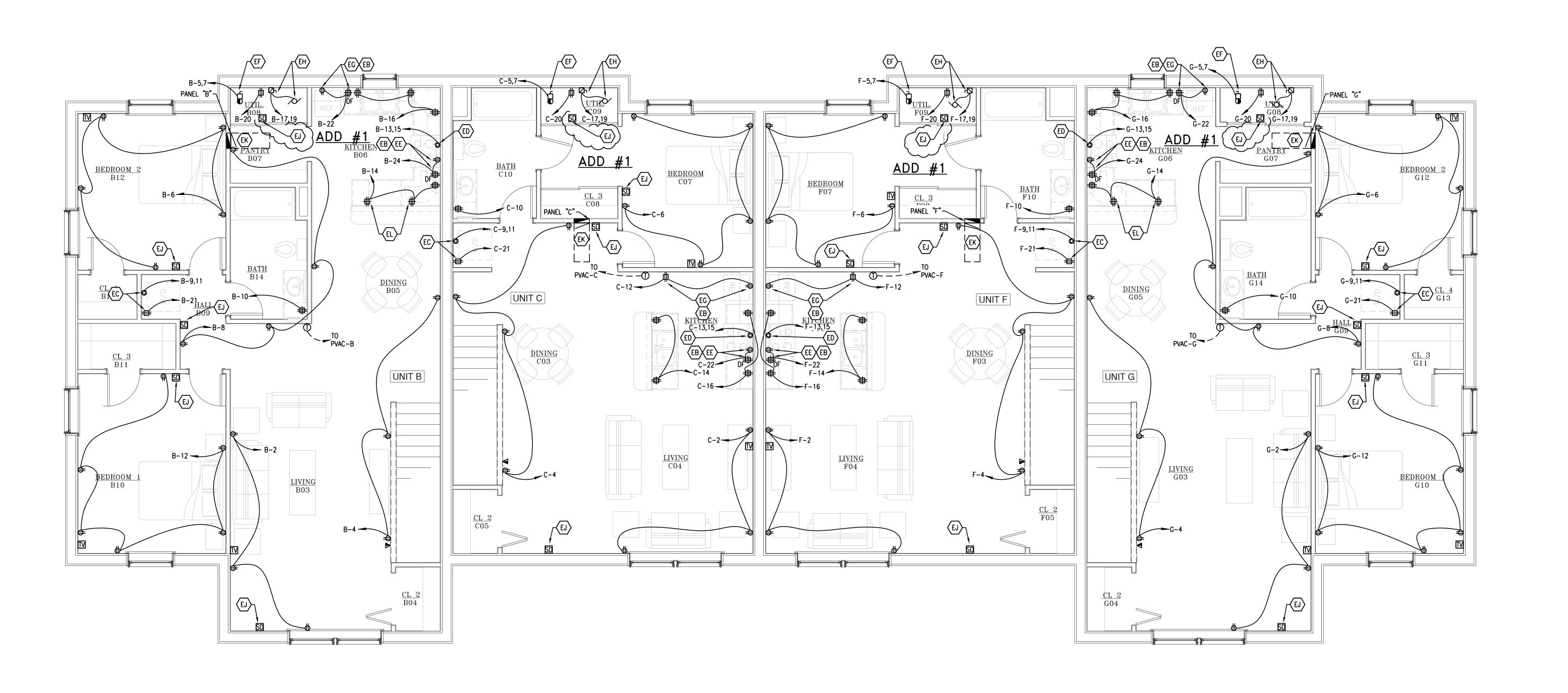
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ADDENDUM #1

PROVIDE HARD-WIRED 24V AUDIO/VISUAL DOORBELL KIT FOR ADA LOWER LEVEL UNITS = EDWARDS # 7005-G5 OR EQUAL WITH: ONE COMBINATION HORN/STROBE (#6536-G5, LOCATED IN UNIT NEAR DOOR), ONE POWER SUPPLY (#529, LOCATED WITH: ONE COMBINATION HORN/STROBE (#6536-G5, LOCATED IN UTILITY CLOSET), ONE SINGLE GANG BACKLIGHT DOORBELL PUSH BUTTOM (#620, LOCATED ON EXTERIOR).





BUILDING 4 ELECTRICAL POWER PLAN — UPPER FLOOR SCALE: 1/4" = 1'-0"

KEYED ELECTRICAL POWER CONSTRUCTION NOTES:

COORDINATE LOCATION AND MOUNTING HEIGHT OF ALL ELECTRICAL DEVICES AND AUXILLARY ELECTRICAL DEVICES (I.E. TELECOM, AUDIO/VIDEO, CABLE TV, ETC.) WITH

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