GENERAL NOTES

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH IN THE NEW JERSEY UNIFORM CONSTRUCTION CODE (NJAC 5:23) AND ALL APPLICABLE MODEL BUILDING SUBCODES, INCLUDING BUT NOT LIMITED TO:

NEW JERSEY INTERNATIONAL BUILDING CODE, 2021

ICC/ANSI 117.1, 2017 ACCESSIBLE AND USABLE BUILDING AND FACILITIES INTERNATIONAL MECHANICAL CODE, 2021 NATIONAL ELECTRICAL CODE, 2020

NATIONAL STANDARD PLUMBING CODE, 2021

ALL WORK SHALL BE PERFORMED DURING NORMAL WORK HOURS, AS SET FORTH IN THE MUNICIPAL ORDINANCE WHICH HOLDS JURISDICTION OVER THE AREA OF WORK, UNLESS SPECIFICALLY PROVIDED OTHERWISE IN THESE CONTRACT DOCUMENTS, SPECIFICATIONS, OR OTHER WRITTEN AGREEMENTS BETWEEN OWNER AND CONTRACTOR.

THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF WORK AND NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.

THE CONTRACTOR SHALL MAINTAIN A CLEAN WORK-SITE AND PROTECT ALL BUILDING MATERIALS FROM THE ELEMENTS AND FROM ON-GOING CONSTRUCTION WORK AS NECESSARY TO MAINTAIN THE MATERIAL INTEGRITY.

THE AREA OF WORK SHALL BE SEPARATED FROM ALL OTHER OCCUPIED AREAS BY MINIMUM 6 MIL POLY ETHYLENE DUST CURTAIN. WHERE AREAS OF WORK ARE ADJACENT TO PUBLIC AREAS TO BE OCCUPIED AND CONSTRUCTION PARTITIONS ARE NOT SPECIFIED IN OTHER AREAS OF THESE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS, THE AREA OF WORK SHALL BE SEPARATED BY A UL DESIGN U465 ONE HOUR CONSTRUCTION PARTITION FROM FLOOR TO CEILING ABOVE THE MIN. 5/8" G.W.B. EACH SIDE OF 3-5/8" METAL STUD FRAMING AT 16" O.C. AND 3" S.A.F.B. IN THE STUD CAVITY. ALL CONSTRUCTION PARTITION REQUIREMENTS SHALL COMPLY WITH NJAC 5:23-9.6(C) IN ALL CASES.

WHEN NOT SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS, ALL SITE WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE MUNICIPALITY HAVING JURISDICTION OVER THE PROJECT AREA AND ICC/ANSI 117.1, 2017

ALL LANDSCAPING SHALL BE INSTALLED AT SUCH TIME SO AS TO BE IN HEALTHY CONDITION AT THE TIME OF SUBSTANTIAL COMPLETION. ANY LANDSCAPE MATERIALS NOT IN SUCH CONDITION AT THE TIME OF SUBSTANTIAL COMPLETION SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER, GROWING SEASON, AND CONSTRUCTION SCHEDULE IN SCHEDULING INSTALLATIONS AFTER SUBSTANTIAL COMPLETION.

ALL BEARING SOIL SHALL BE UNDISTURBED OR 100% COMPACTED SOIL TO ACCOMMODATE THE INSTALLATION OF FOOTINGS, FOUNDATION WALLS, PILINGS, ETC. WHEN NOT INDICATED OTHERWISE IN THESE CONTRACT DOCUMENTS AND SPECIFICATIONS VIA SOIL REPORT, BEARING CAPACITY OF THE SOIL IN THE AREA OF WORK SHALL BE CONSIDERED TO BE 3,000 PSI WITHOUT DETRIMENTAL SETTLEMENT. IN SUCH CASES, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TESTING TO VERIFY THIS CONDITION PRIOR TO COMMENCEMENT OF WORK.

FOOTINGS SHALL BE LOCATED A MINIMUM OF 30" BELOW GRADE, UNLESS OTHERWISE INDICATED IN THESE DOCUMENTS.

IN PERFORMING ANY EARTHWORK, ALL EXCAVATED AREAS SHALL BE PROVIDED WITH TEMPORARY SUPPORTS AND/OR SHARING TO PREVENT ANY COLLAPSE. EXCAVATED SOILS, FILL, ETC. SHALL BE STORED SO AS NOT TO EXCEED THE ANGLE OF REPOSE FOR EACH TYPE. ALL BEARING SOIL, WHEN EXCAVATED AND STORED SHALL BE PROPERLY PROTECTED FROM THE ELEMENTS UNTIL BACKFILLING.

BACKFILLING SHALL BE PERFORMED IN MAX. 6" LIFTS UNLESS OTHERWISE INDICATED IN THESE DOCUMENTS. EACH LIFT SHALL BE TAMPED PRIOR TO CONTINUING WORK.

ALL MISCELLANEOUS WOOD SHALL BE MIN, NO. 1 OR BETTER DOUGLASS FIR. WOOD NAILERS, BLOCKING, ETC. IN FOUNDATION CONSTRUCTION SHALL BE TREATED TO RESIST DECAY.

ALL CRAWL SPACES AND SLAB ON-GRAD CONDITIONS SHALL BE PROVIDED WITH 6 MIL. POLYETHYLENE VAPOR BARRIER FOR THE ENTIRE FOOTPRINT AND MIN. 24" WIDE 2" RIGID INSULATION AT THE ENTIRE PERIMETER OF THE BUILDING FOOTPRINT.

ALL CONCRETE TO BE PROVIDED SHALL BE MIN. 4,000 PSI IN 28 DAYS UNLESS INDICATED OTHERWISE IN THESE DOCUMENTS.

ALL CONCRETE MASONRY UNITS WHEN LOAD-BEARING SHALL CONFORM TO ASTM C34-84. IN NON-LOAD-BEARING APPLICATIONS MASONRY UNITS SHALL COMPLY WITH C56-81.

ALL DOORS AND WINDOWS AT EXTERIOR WALLS SHALL BE PROVIDED WITH ALUM. SILL FLASHING UNDER THE ENTIRE WIDTH OF THE OPENING. AT WINDOW AREAS, FLASHING SHALL HAVE UPTURNED EDGES WITH SOLDERED CORNERS AND PITCH TO THE EXTERIOR. ALL WINDOWS AND DOORS SHALL BE PROVIDED WITH SHIM SPACES AT THE PERIMETER TO ENSURE A PLUMB AND TRUE INSTALLATION.

ALL GLAZING IN HAZARDOUS AREAS AS DEFINED IN 2406.2 SHALL BE TEMPERED GLAZED SAFETY GLASS AND SHALL BE IMPACT-RESISTANT GLAZED OPENINGS.

ALL GYPSUM WALL BOARD TO BE 5/8" FIRECODE 'C' UNLESS INDICATED OTHERWISE IN THE DOCUMENTS.

ALL BATHROOM AND KITCHEN AREAS SHALL BE PROVIDED WITH WATER-RESISTANT G.W.B., TYPICAL. ALL TILE AREAS SHALL BE PROVIDED WITH CEMENTITIOUS BOARD BACK-UP UNLESS INDICATED OTHERWISE.

IN ALL PAINTED WALL AREAS, G.W.B. SHALL BE TAPED AND SPACKLED TO MIN. LEVEL 4 FINISH.

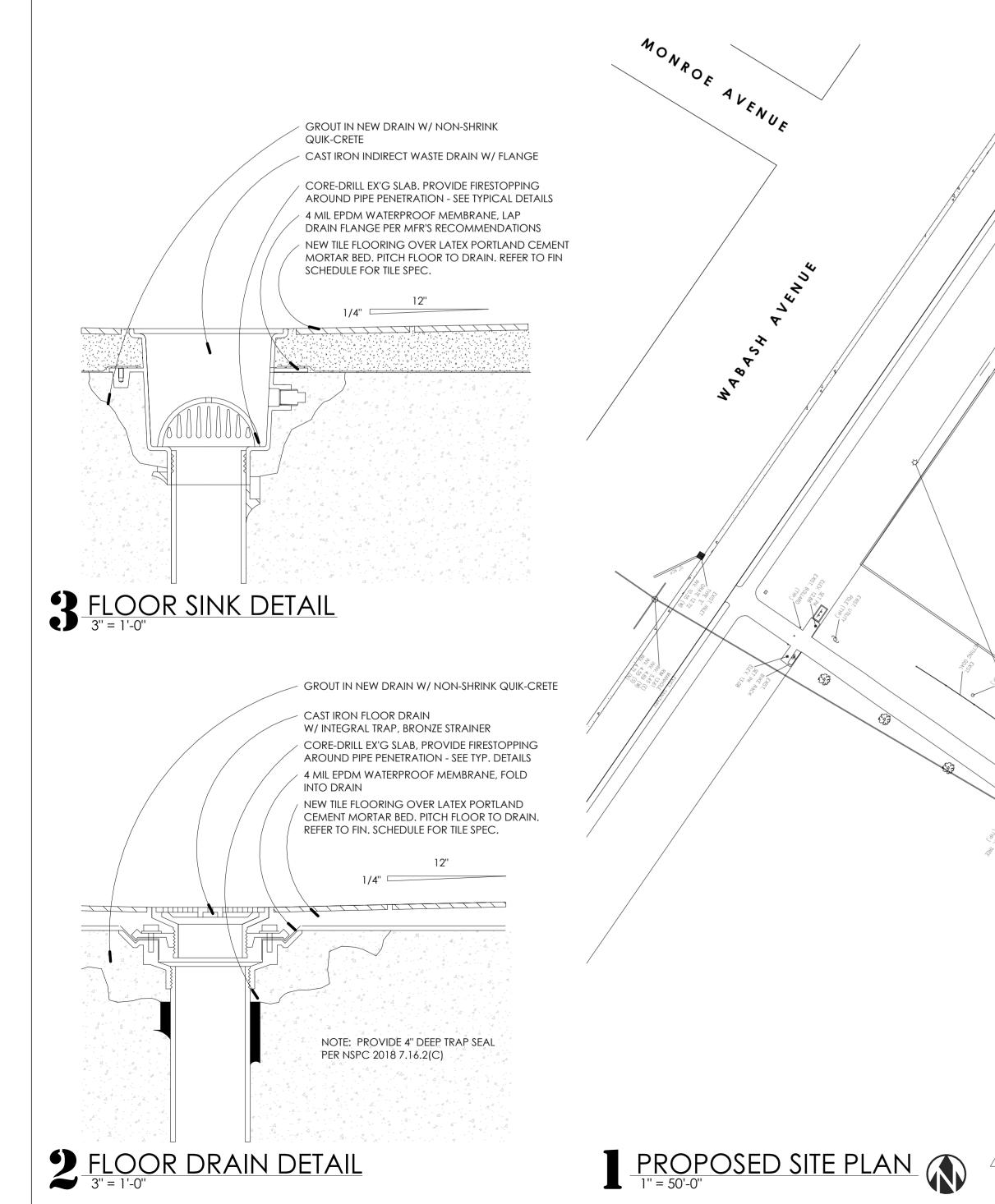
MIN. LEVEL 4. FINISH.

SHOP DRAWINGS SHALL BE REQUIRED FOR ALL MILLWORK.

ALL THRESHOLDS AND OTHER FLOORING TRANSITIONS SHALL COMPLY WITH THE FLOOR LEVEL CHANGES CONSTITUTED IN ICC/ANSI 117.1, 2017.

ALL SPECIALTIES, ACCESSORIES, OR OTHER WALL-MOUNTED EQUIPMENT, FIXTURES, ETC. SHALL BE PROVIDED WITH NON-COMBUSTIBLE BLOCKING IN THE WALL CAVITY FOR SUPPORT UNLESS SPECIFICALLY NOTED OTHERWISE.

ALL ELEVATOR PITS (WHERE APPLICABLE) SHALL BE PROVIDED WITH SUMP PUMP CONNECTED TO THE BUILDING STORM WATER SYSTEM. THE PIT SHALL BE PROVIDE WITH A GALV. STEEL ACCESS LADDER MOUNTED IN AN OSHA COMPLIANT LOCATION WITH WORK LIGHT AND SWITCH ACCESSIBLE FROM THE POINT OF ENTRY. ALL ELEVATOR DOORS SHALL BE PROVIDED WITH STRUCTURAL STEEL SILL ANGLES AS REQUIRED BY THE MANUFACTURER.



IN ALL WALL-COVERED AREAS, G.W.B. SHALL BE TAPED AND SPACKLED TO

OWNER:

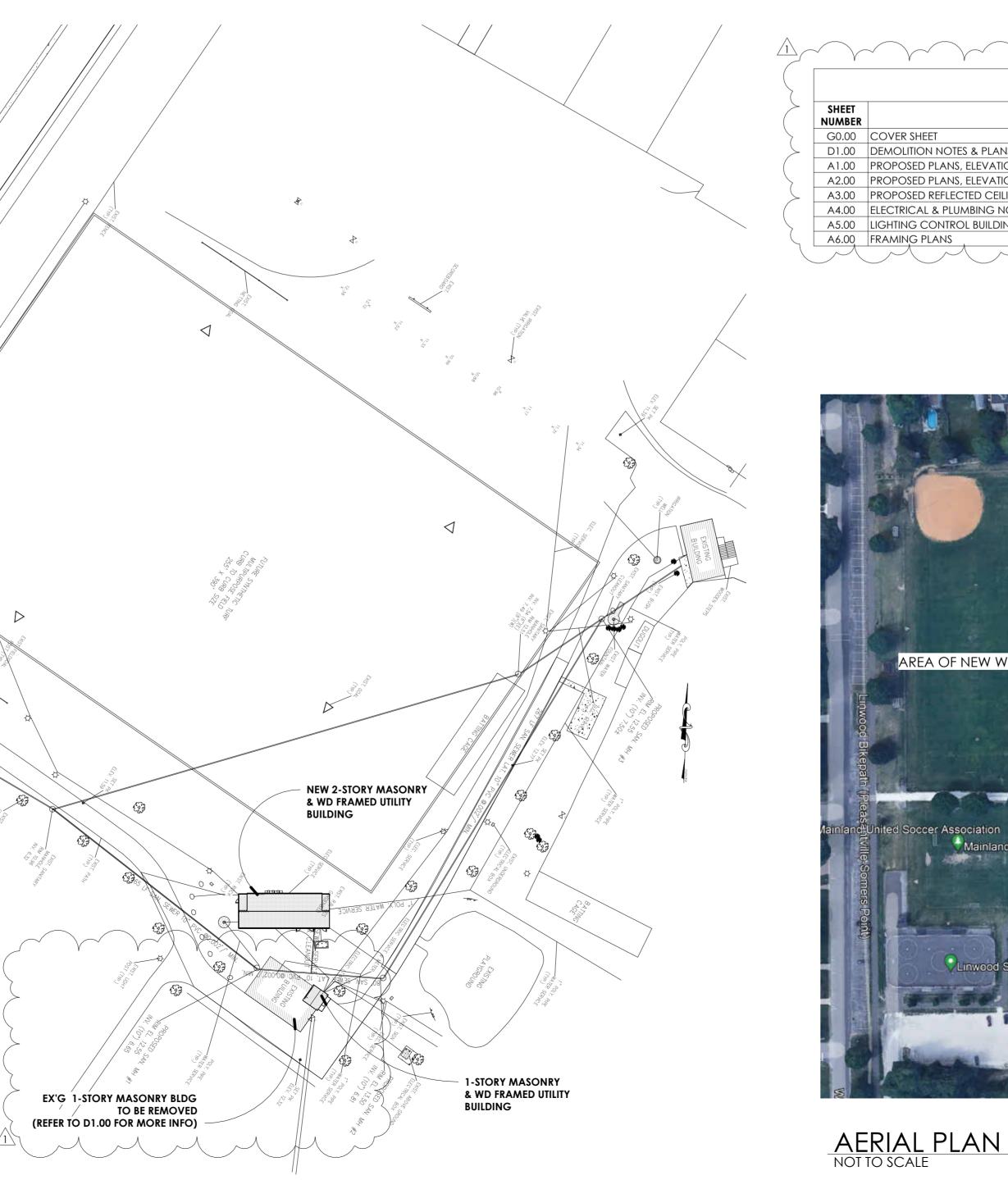
ARCHITECT:

BUILDING CODE ANALYSIS

This work is governed by the New Jersey Uniform Construction Code, New Jersey Edition of the 2021 International Building Code and all other applicable subcodes as adopted therein. This work shall qualify as **NEW CONSTRUCTION** under the requirements and definitions of the New Jersey U.C.C.

Total Building Ar

Building Footprin Use Group: Construction Cla



NEW CONSTRUCTION: LINWOOD SOCCER BUILDING **ALL WARS MEMORIAL PARK** LINWOOD, NJ 08221

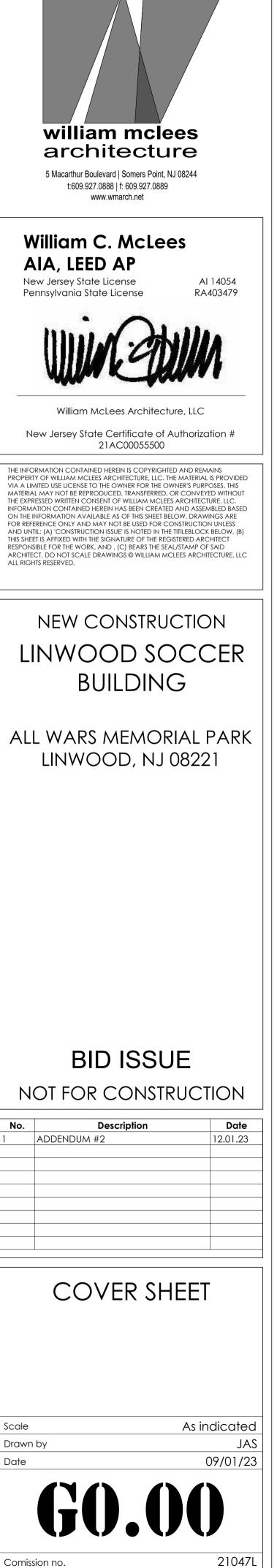
CITY OF LINWOOD 400 W POPLAR AVENUE LINWOOD, NJ 08221

WILLIAM MCLEES ARCHITECTURE 5 MACARTHUR BOULEVARD SOMERS POINT, NJ 08244 CONTACT: WILLIAM MCLEES, AIA 609.927.0888

		Enclosed
reas:	FIRST FLOOR:	1,104 S.F
	SECOND FLOOR:	1,104 S.F
	TOTAL:	2,208 S.F
nt:		1,104 S.F
		U
ass:		V-B

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DRAWING LIST				
SHEET NAME	ISSUE DATE	CURRENT REVISION	REVISION DATE	Drawn By
	09/01/23	1	12.01.23	JAS
S & PLANS	12/01/23	1	12.01.23	JAS
ELEVATIONS, SECTIONS and DETAILS	09/01/23	1	12.01.23	JAS
ELEVATIONS, SECTIONS and DETAILS	09/01/23	1	12.01.23	JAS
TED CEILING PLANS, SCHEDULES and DETAILS	09/01/23	1	12.01.23	JAS
MBING NOTES, SCHEDULES and DIAGRAMS	09/01/23			JAS
DL BUILDING PLANS, SECTION, ELEVATIONS and NOTE	\$ 09/01/23	1	12.01.23	JAS
	12/01/23	1	12.01.23	JAS
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DEMOLITION GENERAL NOTES:

GC SHALL COORDINATE WITH THE OWNER ON ALL DEMOLITION AREAS PRIOR TO COMMENCEMENT OF WORK SO AS TO MINIMIZE DISRUPTION OF TENANTS, OCCUPANTS, ETC.

GC SHALL PROVIDE THE OWNER AND AFFECTED TENANTS WITH 48 HOURS NOTICE PRIOR TO ANY UTILITY SHUT OFFS IN CONJUNCTION WITH THE SCOPE OF WORK. DURATION AND SCHEDULED COMPLETION SHALL BE PROVIDED TO THE SAME AT SUCH TIME.

GC SHALL STAGE ALL DEMOLITION SO AS TO MAINTAIN THE FUNCTION OF ALL LIFE SAFETY SYSTEMS IN THE BUILDING DURING DEMOLITION AND ALL OTHER PHASES OF WORK. IF MODIFICATIONS TO THE LIFE SAFETY SYSTEMS ARE REQUIRED, THE CONTRACTOR SHALL PROVIDE TEMPORARY REDUNDANT SYSTEMS FOR THE FULL DURATION OF THIS PORTION OF WORK.

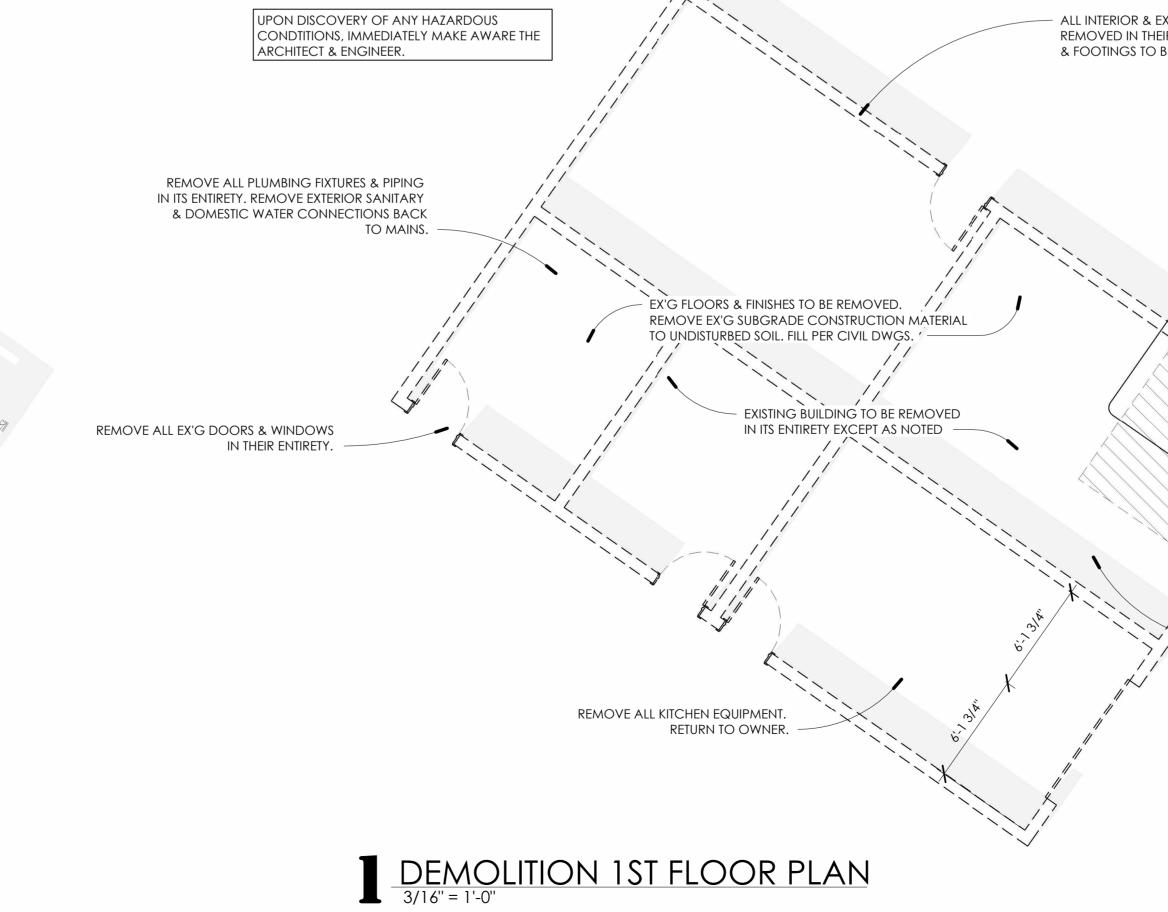
GC SHALL COORDINATE WITH THE OWNER AND THE BUILDING OFFICIAL DURING DEMOLITION OF EXIT STAIR AREAS IN ORDER TO MAINTAIN EGRESS CAPACITY FOR THE ENTIRE BUILDING DURING ALL PHASES OF WORK.

STAGING AREAS SHALL BE CONTAINED COMPLETELY WITHIN THE CONFINES OF THE SITE AND SHALL BE COORDINATED WITH THE OWNER'S NEEDS/USE OF THE SITE.

EX'G ROOF TO BE REMOVED. REMOVE ENVELOPE, SHEATHING, INSULATION, & STRUCTURE IN THEIR ENTIRETY.

EXISTING BUILDING TO BE REMOVED IN ITS ENTIRETY EXCEPT AS NOTED -





	william mclees architecture 5 Macarthur Boulevard Somers Point, NJ 08244 1:609.927.0888 f: 609.927.0889 www.wmarch.net
	<section-header> William C. McLees AL 14054 Ans. Jersey State License Al 14054 Pennsylvania State License Al 14054 Pennsylvania State License Ad 3479 William C. McLees Composition of the state state</section-header>
RIOR & EXTERIOR WALLS TO BE ED IN THEIR ENTIRETY. EX'G FOUNDATIONS NGS TO BE REMOVED.	NEW CONSTRUCTION LINWOOD SOCCER BUILDING ALL WARS MEMORIAL PARK LINWOOD, NJ 08221
ELECTRICAL DISTRIBUTION EQUIPMENT IN THIS LOCATION TO REMAIN. PROTECT DURING DEMOLITION & TEMPORARILY SUPPORT UNTIL NEW CONSTRUCTION. ALL EQUIPMENT & ASSOCIATED WIRING TO BE RELOCATED INTO NEW LIGHTING CONTROL BUILDING IN NEW CONSTRUCTION. PREPARE HATCHED AREA FOR NEW LIGHTING CONTROL BUILDING.	No. Description Date 1 ADDENDUM #2 12.01.23 - - - - - <td< th=""></td<>
REMOVE ALL EX'G ELECTRICAL DEVICES, WIRING, & EQUIPMENT. REMOVE FEED BACK TO UTILITY CONNECTION.	DEMOLITION NOTES & PLANS

As indicated

09/01/23

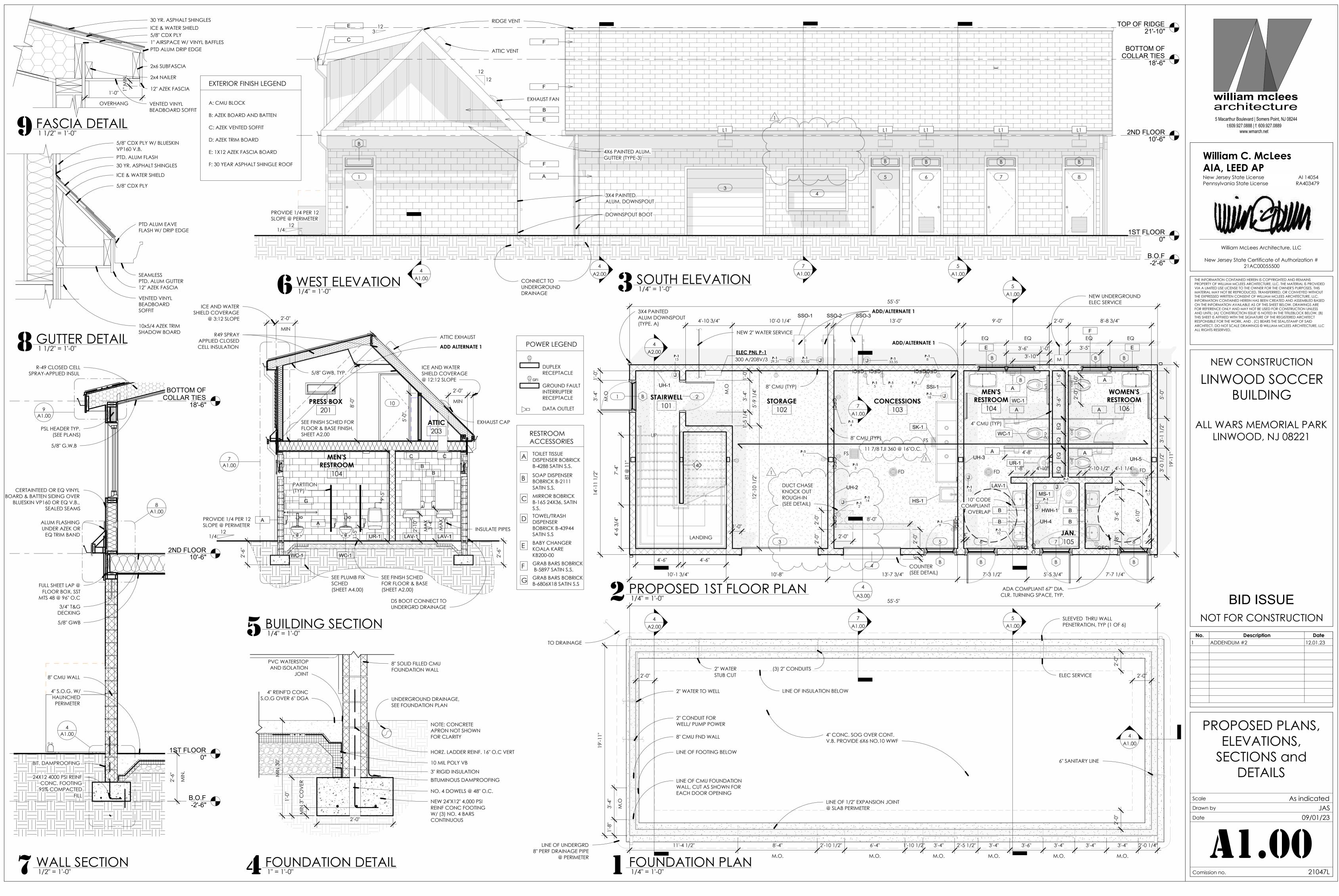
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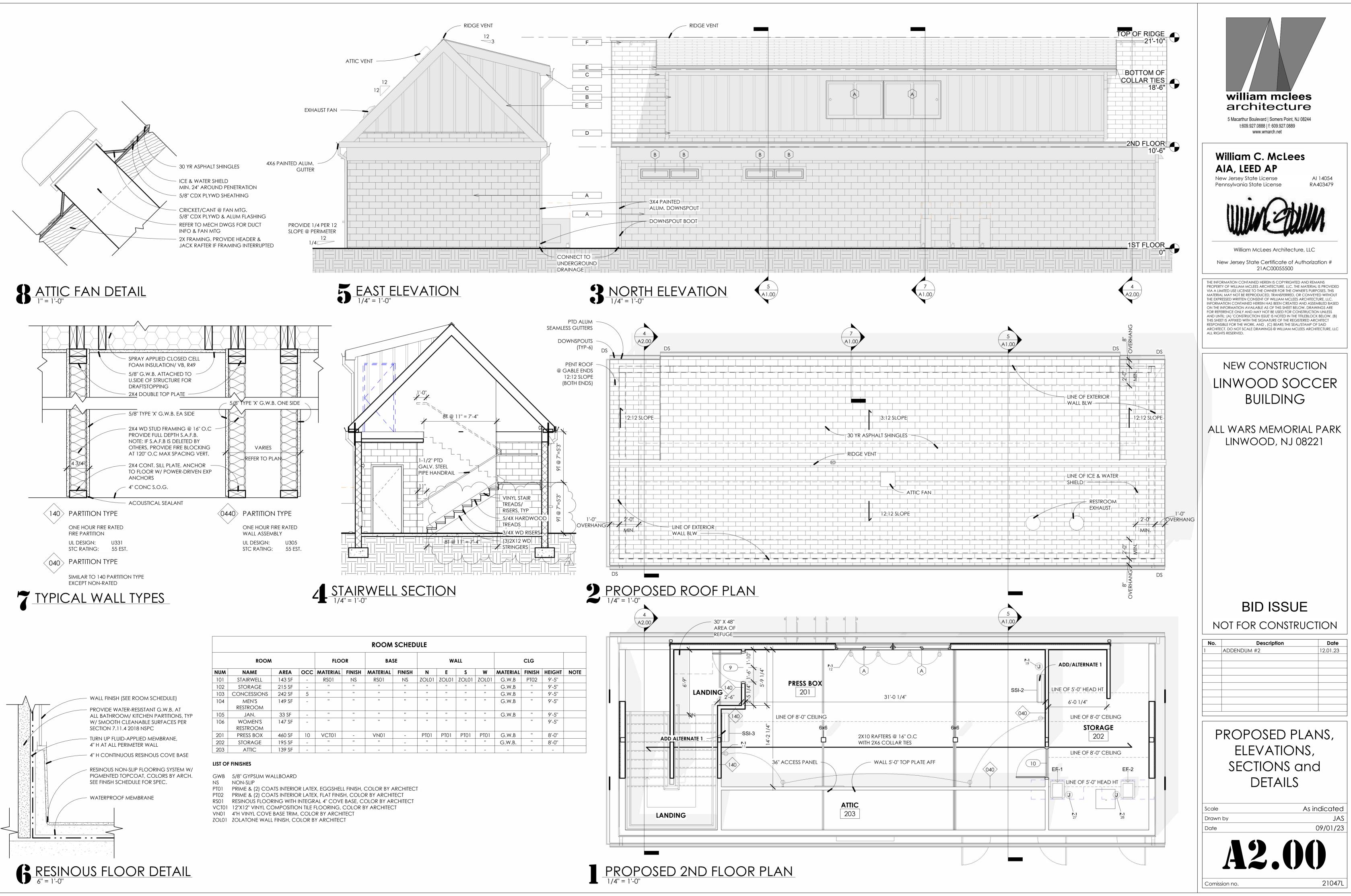
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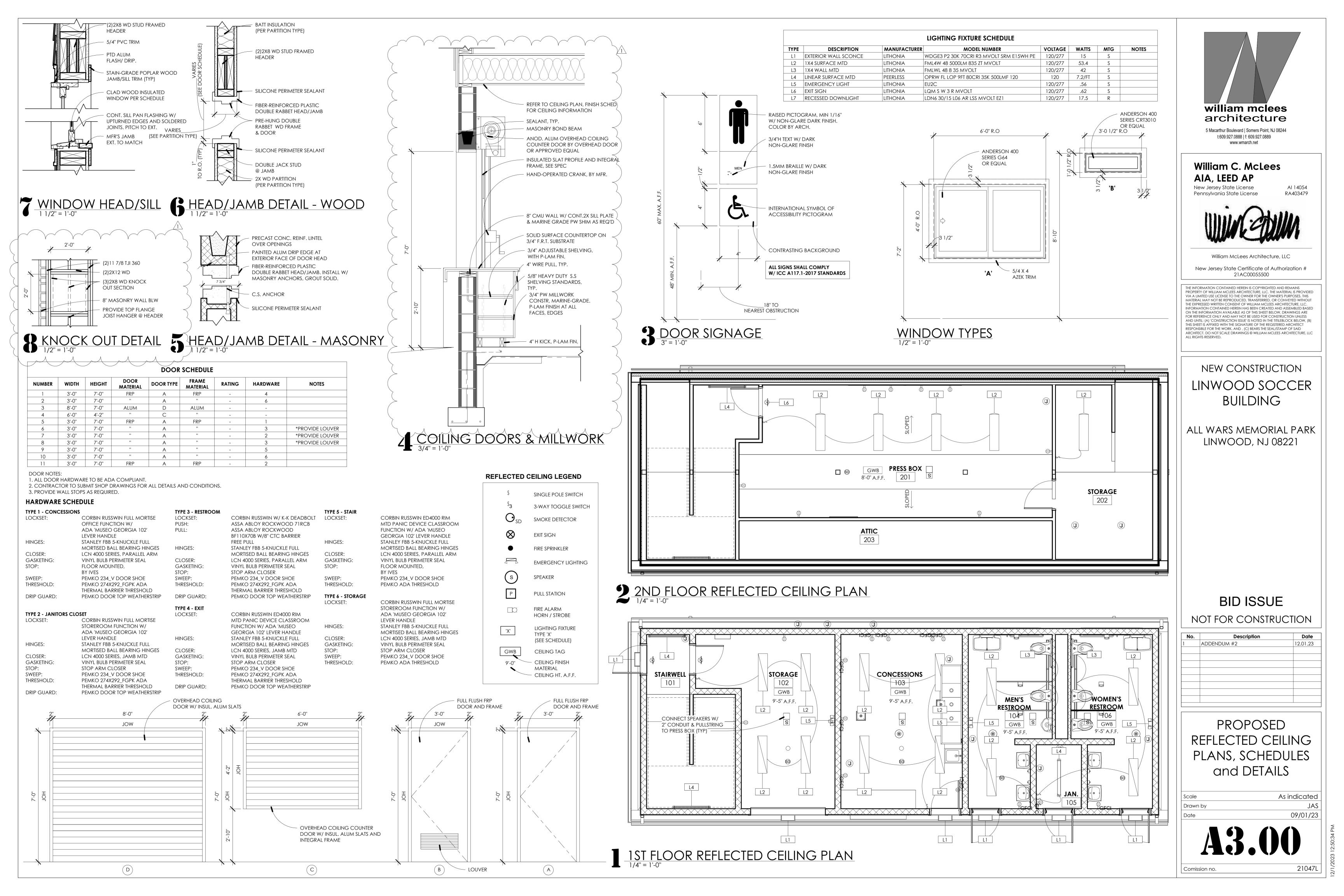
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ELECTRICAL NOTES

GENERAL

1. ALL ELECTRICAL WORK TO BE INSTALLED IN ACCORDANCE WITH THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE ADOPTED BY THE UNIFORM CONSTRUCTION CODE - STATE OF NEW JERSEY AND ANY OTHER PARTY HAVING JURISDICTION.

2. ALL ELECTRICAL MATERIALS AND EQUIPMENT FOR THE PROJECT SHALL BE NEW AND APPROVED BY UNDERWRITERS LABORATORY (U.L.) OR ANY OTHER NATIONALLY RECOGNIZED TESTING AGENCY UNLESS NOTED OTHERWISE ON DRAWINGS.

3. ALL NECESSARY PERMITS, INSPECTIONS, AND LICENSES SHALL BE PROCURED AND ALL FEES PAID BY THE CONTRACTOR. SUBMIT TO THE OWNER DUPLICATE CERTIFICATES OF INSPECTION FROM THE APPROVED INSPECTION AGENCY.

4. UPON COMPLETION OF THE WORK, THE ENTIRE WIRING SYSTEM SHALL BE FREE FROM GROUNDS, SHORT CIRCUITS, OPENS, OVERLOADS AND IMPROPER VOLTAGES.

5. PRIOR TO FINAL ACCEPTANCE OF THE WORK, A WRITTEN STATEMENT SHALL BE SUBMITTED TO THE OWNER GUARANTEEING ALL EQUIPMENT AND SYSTEMS AGAINST DEFECTIVE MATERIAL AND WORKMANSHIP FOR ONE (1) YEAR FROM THE DATE OF ACCEPTANCE. UPON NOTICE ALL DEFECTIVE EQUIPMENT, MATERIALS AND SYSTEMS SHALL BE PROMPTLY REPAIRED AT NO EXPENSE TO THE OWNER.

6. THIS SET OF DRAWINGS IS DIAGRAMMATIC IN NATURE AND INDICATES THE GENERAL ARRANGEMENT OF THE VARIOUS SYSTEMS AND APPROXIMATE LOCATIONS OF THE EQUIPMENT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THAT THERE IS ADEQUATE SPACE AT THE LOCATIONS INDICATED FOR ALL EQUIPMENT PRIOR TO INSTALLATION OF SAME. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL DIMENSIONS IN THE FIELD, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

7. ELECTRICAL CONTRACTOR SHALL SECURE SHOP DRAWINGS FROM OTHER CONTRACTORS AND VERIFY EXACT ELECTRICAL CHARACTERISTICS OF EQUIPMENT TO BE WIRED PRIOR TO ROUGH-IN. IF DISCREPANCIES ARE NOTED BETWEEN THE ELECTRICAL CONTRACT DRAWINGS AND OTHER CONTRACTOR SHOP DRAWINGS, ELECTRICAL CONTRACTOR IS TO NOTIFY ENGINEER AT ONCE. FAILURE TO PERFORM THIS DUTY WILL NOT RELIEVE THE ELECTRICAL CONTRACTOR OF THE RESPONSIBILITY TO CORRECT WIRING DEFICIENCIES AT NO EXPENSE TO THE OWNER.

8. ALL DEVICES OR EQUIPMENT SHOWN IN SYMBOL FORM SHALL BE WIRED TO ITS RESPECTIVE PANEL.

9. THE GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL AN ARC FLASH WARNING PLACARD THAT SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION. ADJUSTMENT, SERVICING, OR MAINTENANCE OF SWITCHBOARDS, PANELBOARDS, INDUSTRIAL CONTROL PANELS, AND MOTOR CONTROL CENTERS IN ACCORDANCE WITH ARTICLE 110.16 OF THE 2020 NEC.

10. ALL INTERIOR WIRING SHALL BE INSTALLED IN ELECTRICAL NONMETALLIC TUBING OR NONMETALLIC CABLE AND CONCEALED IN WALLS OR IN HUNG CEILING SPACE. ENT SHALL CONFORM TO ARTICLE 362 AND NM CABLE SHALL CONFORM TO ARTICLE 334 OF THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE. WHERE WIRING CANNOT BE CONCEALED IN FINISHED AREAS, IT SHALL BE RUN EXPOSED IN A NEAT MANNER VIA SURFACE RACEWAY. MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS NOTED OTHERWISE.

11. ALL WIRING, CONNECTIONS AND DEVICES SHALL BE PROVIDED TO COMPLY WITH THE GROUNDING REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE AND THE DRAWINGS UNLESS NOTED OTHERWISE. ALL EXPOSED NON-CURRENT CARRYING ELECTRICAL EQUIPMENT METALLIC PARTS, RACEWAY SYSTEMS AND WIRING SYSTEM GROUNDING CONDUCTORS SYSTEM SHALL BE GROUNDED.

12. PROVIDE A SEPARATE, GREEN-COLORED, INSULATED EQUIPMENT GROUNDING CONDUCTOR WITHIN EACH FEEDER AND BRANCH CIRCUIT RACEWAY. THIS CONDUCTOR SHALL BE SEPARATE FROM THE ELECTRICAL SYSTEM NEUTRAL CONDUCTOR. TERMINATE EACH END OF THIS GROUNDING CONDUCTOR ON A U.L. LISTED LUG, BUS OR BUSHING. THE GROUNDING CONDUCTOR SIZE SHALL BE IN ACCORDANCE WITH NEC, TABLE 250.122.

13. ALL CUTTING AND PATCHING REQUIRED FOR THE ELECTRICAL WORK SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.

14. PANEL BOARD DIRECTORIES SHALL BE TYPED, AND UPDATED INDICATING NEW CIRCUITING AND DEVICE DESCRIPTION AS SHOWN ON DRAWINGS.

15. EXISTING EQUIPMENT FIXTURES, COMPONENTS, AND ALL OTHER RELATED APPURTENANCES WHICH ARE NO LONGER REQUIRED AS INDICATED ON DRAWINGS SHALL BE REMOVED AND BECOME PROPERTY OF THE OWNER.

16. ALL COMPONENTS OF EXISTING SYSTEMS REQUIRED TO BE MODIFIED, EXTENDED OR REUSED SHALL BE INSPECTED AND RETURNED TO A FIRST-CLASS OPERATING CONDITION. COMPONENTS SHALL BE CLEANED AND REPAINTED IF NECESSARY.

17. ALL DEMOLISHED MATERIALS SHALL BE CAREFULLY REMOVED FROM THE PREMISES BY THE MOST DIRECT PATH. ANY DAMAGE INCURRED BY THE REMOVAL PROCESS SHALL BE REPAIRED TO MATCH THE SURROUNDING WORK AND LEFT IN SATISFACTORY CONDITION. ALL AREAS SHALL BE CLEANED OF ALL DIRT AND DEBRIS RESULTING FROM DEMOLITION.

18. ALL HOLES OR VOIDS CREATED TO ROUTE CONDUIT OR METAL CLAD CABLE THROUGH FIRE RATED FLOORS AND WALLS SHALL BE SEALED WITH AN INTUMESCENT MATERIAL CAPABLE OF EXPANDING UP TO 8 TO 10 TIMES WHEN EXPOSED TO A TEMPERATURE OF 250 DEGREES FAHRENHEIT AND ABOVE. ACCEPTABLE SEALING MATERIAL SUCH AS 3M FIRE BARRIER CAULK, PUTTY, STRIP AND SHEET FORM SHALL HAVE I.C.B.O. AND BOCA APPROVED RATING OF 3 HOURS PER ASTM E-814 (U.L. 1479) AS PER NEC ARTICLE 300.21.

19. THE ELECTRICAL WORK RELATING TO THE PROJECT IS SHOWN. OTHER EXISTING ELECTRICAL AND SYSTEMS COMPONENTS HAVE BEEN LEFT OFF THE DRAWING OR CLARITY.

20. TWO OR THREE POLE CIRCUIT BREAKERS SHALL BE COMMON TRIP TYPE. SINGLE POLE BREAKERS WITH YOKED HANDLE WILL NOT BE PERMITTED.

21. THE ELECTRICAL CONTRACTOR SHALL NOT UTILIZE A "COMMON NEUTRAL" ON MULTIPLE BRANCH CIRCUITS. EACH SUCH CIRCUIT SHALL BE RUN WITH ITS OWN DEDICATED NEUTRAL WIRE.

22. WHERE CONDUIT RUNS CROSS STRUCTURAL EXPANSION JOINTS, LIQUID-TIGHT FLEXIBLE METAL CONDUIT SHALL BE USED TO TRANSITIONAL CONDUIT SYSTEM FROM ONE STRUCTURAL SECTION TO THE OTHER.

23. THERMAL OVERLOAD PROTECTION SHALL BE IN COMPLIANCE WITH MOTOR MANUFACTURER'S SPECIFICATIONS.

24. WHERE CIRCUIT BREAKERS OR FUSES ARE APPLIED IN COMPLIANCE WITH THE SERIES COMBINATION RATINGS MARKED ON THE EQUIPMENT BY THE MANUFACTURER, THE EQUIPMENT ENCLOSURE(S) SHALL BE LEGIBLY MARKED IN THE FIELD TO INDICATE THE EQUIPMENT HAS BEEN APPLIED WITH A SERIES COMBINATION DEVICE RATING. THE MARKING SHALL BE READILY VISIBLE AND CONFORM TO ARTICLE 110.22 OF THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE.

25. PROVIDE NECESSARY COMMON GROUNDS BETWEEN THE ELECTRICAL SERVICE, TELEPHONE SERVICE, UNDERGROUND METALLIC PIPING, CONDUIT, AND FOUNDATION/FOOTING REBAR PER NEC ARTICLES 250.50 & 250.52

26. CONTRACTOR TO PROVIDE RECEPTACLES TO MATCH PLUGS FURNISHED WITH EQUIPMENT.

27. ALL LIGHTING AND POWER PANELS SHALL HAVE THEIR TOPS AT 6'-6" ABOVE FINISHED FLOOR.

28. PANEL BOARDS SHALL BE DEAD-FRONT, SAFETY-TYPE AND SHALL CONTAIN MAIN LUG RATINGS, BRANCH CIRCUIT BREAKERS, SPACES AND BUSSES AS INDICATED ON THE DRAWINGS.

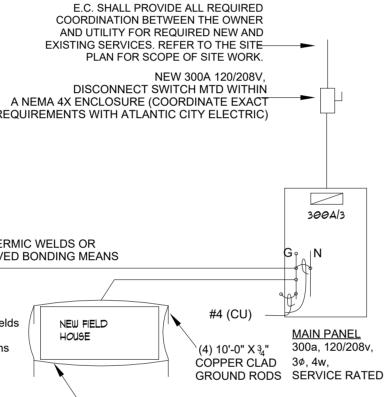
29. PANEL BOARDS SHALL BE SUITABLE FOR FLUSH MOUNTING OR SURFACE MOUNTED INSTALLATION AS REQUIRED.

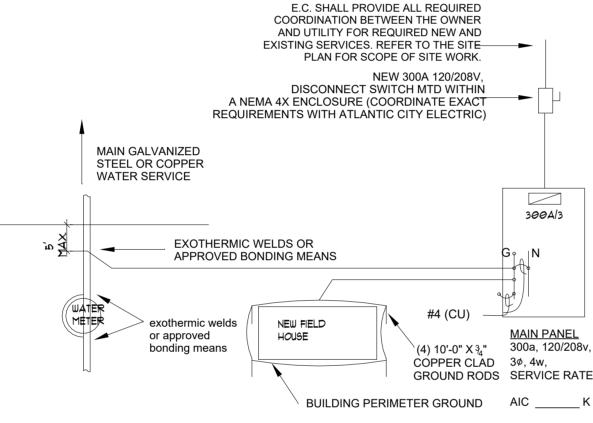
30. ELECTRICAL CONTRACTOR SHALL LOCATE LIGHTING FIXTURES TO SUIT STRUCTURAL AND ARCHITECTURAL CONDITIONS IN THOSE ROOMS WHERE BEAMS, DROPPED SOFFITS, ACCESS PANELS OR SIMILAR OBSTRUCTIONS REQUIRE A CHANGE IN LIGHTING FIXTURE LAYOUT.

31. ELECTRICAL CONTRACTOR SHALL COORDINATE PLACEMENT OF ALL ELECTRICAL DEVICES WITH MILLWORK CONSTRUCTOR AND ARCHITECT PRIOR TO ROUGH-IN.

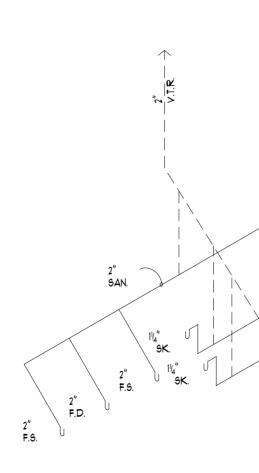
32. ALL LIGHTING CIRCUITS SHALL BE EQUIPPED WITH A DEVICE FOR DIMMING CONTROL. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OWNER, THE ARCHITECT, AND THE LIGHTING MANUFACTURER THE MEANS OF DIMMING.

Location: STORAGE 102 Supply From: Mounting: Surface Enclosure: Type 1				Phases: 3MainsWires: 4Mains Rains								I.C. Rating: lains Type: ins Rating: 100 A CB Rating: 300 A		
CK T Circuit Description Trip			Р		A		В		c	Р	Trip	Circui	t Description	C
1	Receptacle	20 A	1	540 VA	180 VA					1	20 A	Receptacle		2
3	Receptacle	20 A	1			180 VA	180 VA			1	20 A			
5	Receptacle	20 A	1					180 VA	180 VA	1	20 A	Receptacle		6
7	Receptacle	20 A	1	180 VA	180 VA					1	20 A	Receptacle		8
9	Receptacle	20 A	1			180 VA	540 VA			1	20 A	Receptacle		1
11	Receptacle	20 A	1					720 VA	720 VA	1	20 A	Receptacle		1
13	Power	20 A	1	500 VA	500 VA					1	20 A	Power		1
15	Power	20 A	1			500 VA	500 VA			1	20 A	Power		1
17	Power	20 A	1					500 VA	500 VA	1	20 A	A Power		1
19	Power	20 A	1	500 VA	500 VA					1	20 A	Power		2
21							512 VA			1	20 A	Lighting		2
23	Lighting	20 A	1					256 VA	320 VA	1	20 A	Lighting		2
	Lighting	20 A	1	0 VA	0 VA					1	20 A	Lighting		2
27	Power	20 A	1			500 VA	500 VA			1	20 A	Power		2
29	Power	20 A	2					250 VA	250 VA	2	20 A	Power		3
31				250 VA	250 VA									3
33	Power	20 A	2			250 VA								3,
35								250 VA						3
37														3
39														4
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		Total Lo	ad:	3580	D VA	382	0 VA	410	1 VA					1
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Loa	d Classification	Coi	nneo	ted Loa	d De	mand Fa	actor	Estimate	d Demar	nd		Panel	Totals	
Ligł	nting		108	38 VA		125.00%	6	136	60 VA					
Pov	ver		650	00 VA		125.009	%	812	25 VA		Total Conn. Load: 11499 VA		11499 VA	
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PLUMBING RISER DIAGRAM

PLUMBING NOTES

GENERAL

1. ALL PLUMBING SHALL COMPLY WITH THE 2021 EDITION OF THE NATIONAL STANDARD PLUMBING CODE AS ADOPTED BY THE NEW JERSEY UNIFORM CONSTRUCTION CODE.

2. CONTRACTOR SHALL PROVIDE AND PAY ALL FEES AND PERMITS. THE DRAWINGS ARE INTENDED TO SHOW APPROXIMATE AND RELATIVE LOCATIONS

3. OF MATERIALS AND EQUIPMENT. DRAWINGS SHALL NOT BE SCALED TO DETERMINE EXACT POSITIONS AND CLEARANCES. BECAUSE OF DIAGRAMMATIC LAYOUT AND SMALL SCALE OF DRAWINGS, NOT ALL RISES, DROPS, OFFSETS, VENTS, TRAPS AND RELATED SPECIALTIES ARE INDICATED. PROVIDE ALL SUCH PIPING, FITTINGS, VALVES AND SPECIALTIES REQUIRED IN SUCH CASES TO INSURE A COMPLETE AND PROPERLY OPERATING INSTALLATION IN ACCORDANCE WITH CODES AND WITHOUT EXTRA COST TO OWNFR

4. WORK SHALL BE PERFORMED BY MECHANICS SKILLED IN PARTICULAR TRADE INVOLVED, THAT IS, PLUMBING WORK SHALL BE PERFORMED BY PLUMBERS, ELECTRICAL WORK SHALL BE PERFORMED BY ELECTRICIANS, MECHANICAL WORKED PERFORMED BY STEAM FITTERS AND SHEET METAL MECHANICS. ALL WORK SHALL BE INSPECTED, TESTED AND APPROVED BY THE PROPER

5. AUTHORITIES HAVING JURISDICTION. CERTIFIED COPIES OF THESE APPROVALS SHALL BE DELIVERED TO THE OWNER BEFORE FINAL PAYMENT.

6. ESCUTCHEON PLATES SHALL BE PROVIDED ON ALL PIPE WHICH PASS THROUGH WALL PARTITIONS, FLOORS OR CEILINGS. PLATES SHALL BE ONE PIECE, CHROME FINISHED BRONZE. THE INSTALLATION OF ALL INSULATION SHALL BE PERFORMED BY AN EXPERIENCED.

7. CRAFTSMAN IN A NEAT WORKMAN-LIKE MANNER AND SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED RECOMMENDATIONS FOR SERVICE INTENDED.

CONTINUITY OF EXISTING SYSTEMS

1. ALL WORK SHALL BE PERFORMED AT SUCH TIME AND IN SUCH MANNER AS WILL LEAST INTERFERE WITH MAINTENANCE AND OPERATION OF OWNER'S ACTIVITIES. PROVISIONS SHALL BE MADE TO PERMIT OWNER'S USE OF ALL THE BUILDING AND OF EXISTING SYSTEMS AT ALL TIMES. PROVIDE TEMPORARY FACILITIES TO SECURE THESE CONDITIONS. REMOVE TEMPORARY FACILITIES WHEN PERMANENT WORK HAS BEEN PLACED INTO SERVICE.

2. FULLY COORDINATE WITH ARCHITECT, OWNER AND ALL OTHER TRADES, ALL WORK INVOLVING SHUT-DOWN AND INTERRUPTION OF EXISTING SYSTEMS AND SERVICE.

3. SHUT-DOWN OF EXISTING SERVICES WHERE REQUIRED TO INSTALL NEW SYSTEMS OR ALTER EXISTING SHALL BE PERFORMED IN A MANNER THAT WILL NOT INTERFERE WITH OWNER'S OPERATIONS. ALL COSTS FOR PERFORMING THIS WORK SHALL BE BORNE BY THE CONTRACTOR AND WITHOUT "EXTRA" COST TO THE OWNER.

4. EXISTING SYSTEMS AND SERVICES THAT ARE TEMPORARILY DISCONNECTED, BUT ARE TO REMAIN IN USE, SHALL BE PERMANENTLY RECONNECTED AND RETURNED TO PROPER OPERATION.

5. FULLY COORDINATE WITH ARCHITECT, OWNER AND OTHER TRADES TO ENSURE COMPLETE CONTINUITY OF ALL SYSTEMS AND SERVICES.

GAS PIPING NOTES

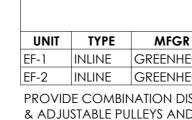
1. GAS PIPING SHALL BE SIZED & INSTALLED AS PER 2021 INTERNATIONAL FUEL GAS CODE (IFGC) CHAPTER 4.

2. GAS PIPING 2" & SMALLER SHALL BE ASTM A53 SCH 40 BLACK STEEL PIPE WITH THREADED JOINTS IN ACCORDANCE WITH ANSI/ASME B1.20.1. THREAD JOINT COMPOUND SHALL BE RESISTANT TO THE ACTION OF NATURAL GAS.

GAS PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH IFGC 2021 SECTION 407 & ANSI/MSS SP-58. HANGER SPACING SHALL BE IN ACCORDANCE WITH IFGC 2018 SECTION 415.

4. DRIP LEGS SHALL BE INSTALLED AT ANY POINT WHERE CONDENSATE COULD COLLECT AND AS REQUIRED BY AUTHORITY HAVING JURISDICTION. PIPING SHALL BE SLOPED NOT LESS THAN 1/4" IN 15 FEET TO PREVENT TRAPS.

5. PRIOR TO ACCEPTANCE & INITIAL OPERATION, ALL PIPING SHALL BE INSPECTED AND TESTED TO DETERMINE THAT THE INSTALLATION COMPLIES WITH THE REQUIREMENTS OF IFGC 2021 SECTION 406.



UNIT MFGR QMARK UH-1 PROVIDE FAN ONLY OPERAT INTEGRAL DOUBLE POLE THE

UNIT MFGR HWH-1 BRADFORD WHITE

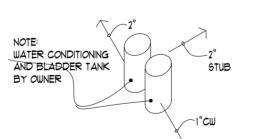
ADD/ALTERNATE #1

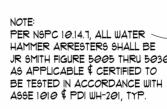
UNIT	MFGR
SSI-1	MITSUBISHI
SSI-2	MITSUBISHI
SSI-3	MITSUBISHI
	SPLIT
A4 and a	
Mark	MFGR
SSO-1	MITSUBISHI
SSO-2	MITSUBISHI

ADD/ALTERNATE #1

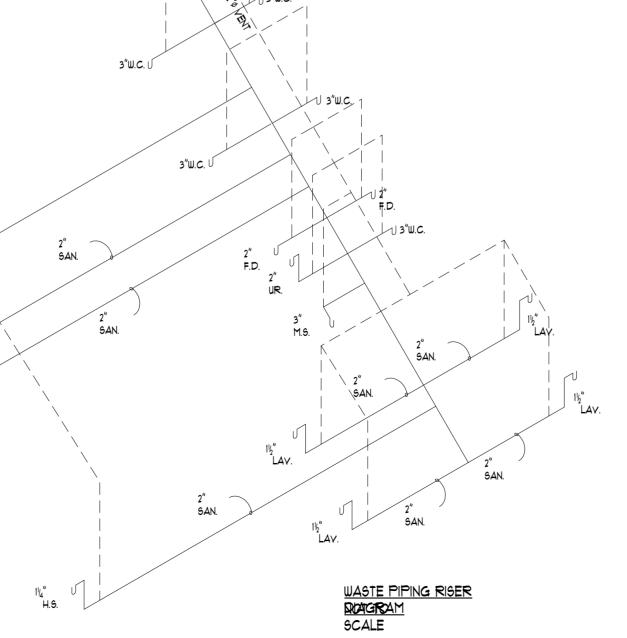
SSO-3

KEY	DESCRIPTION	MANUFACTURER	MODEL	COLOR	CONNECTIONS			
		5		2 3	DCW	DHW	SS	PROF
WC	water closet	KOHLER	KINGSTON K-4325	WH	1"		4"	
	4 CO 1970 - Medical Co	*	K-4731-GC-O	"	-			24
		SLOAN	SOLIS 8111-1.28	SS	**	***	÷	÷.
UR	urinal	KOHLER	BARDON K-4991-ET	WH	3/4"	22	2=	2
		SLOAN	SOLIS 8186-1.0	SS				
LAV	lavatory	KOHLER	K-2084-N	WH	**	***		
			K-8998			1	1	I 1
		SLOAN	EBF-500	CP	1/2"	1/2"	1-1/4"	
MS	mop sink	FIAT	TSB3010	501			-+	
	CARDENS PROFESSION	FIAT	830AA	CP	1/2"	1/2"	3"	22
HS	hand sink	ELKAY	EHS-18TSX	55	3/8"	3/8"	1-1/4"	
SK	3-comp sink	-	3C-18X-18-0X	SS				
			LK940DS20L2H	SS	3/8"	3/8"	1-1/4"	
BC	baby changer	KOALA KARE	KB200-00	WH		**		





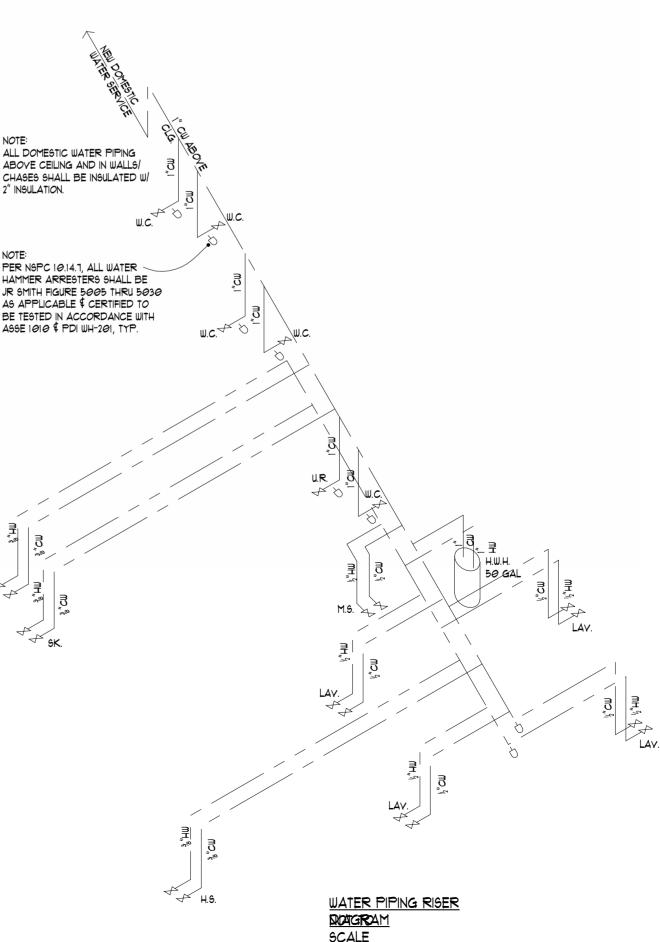
2" INSULATION.

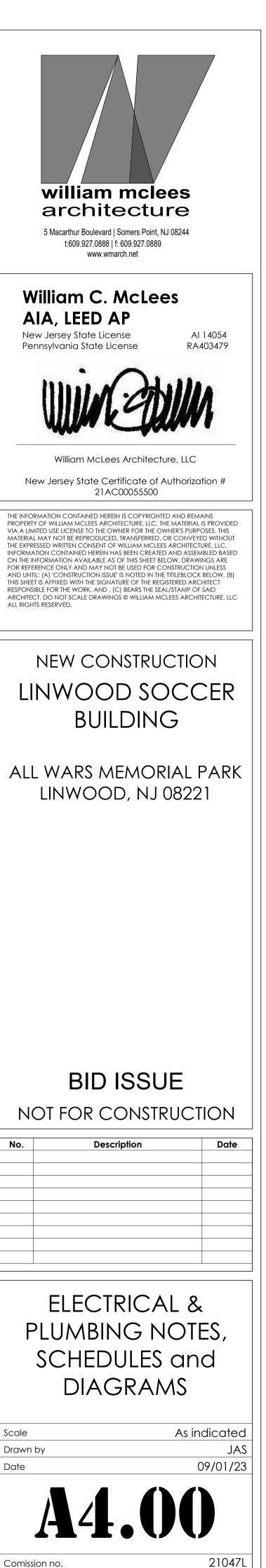




PE	MFG	R	SERVING	MODEL NO	C	FM ST	ATIC	DRIVE TYP	E RPA	۸Н	P	VOLTA	GE	NOTE
١E	GREENH	ECK M	1ENS	BSQ70	150	.5		DIRECT	1445	1/4	12	20/1		
١E	GREENH	ECK W	/omens	BSQ70	200	.5		DIRECT	1577	1/4	12	20/1		
	SINATION D PULLEYS AN			ICH, BACKDRA	AFT D	AMPER, H	ANGIN	NG RODS A	AND VI	BRATIC	on isc	DLATIC	ON KIT	,
				UNIT HEATE	R SC	CHEDUL	E							
	MFGR	N	NODEL	CFM		KW		VOLTAGE			NOTE	S		
ЯM	ARK	LFK15	51F	100	15	600	12	0/1						
				MOUNT KIT, TA IILT-IN DISCON			COVER	ર ,						
			HO	T WATER HE	ATE	R SCHE	DULE							
	MFGR	MO	DEL NO	CAPACITY	R	ECOVERY		WATTS	V	OLTAG	÷F ∣	NO	IES	
					-			MAII3	v	OLIAC	~		23	
DF	ORD WHITE	LE35	0\$3-3	50 GAL	18 (GAL	450		208/				20	
	ord white [E #1			50 GAL				0	208/					
				STEM A/C U	NIT		DR) S	0	208/ E			CA	FUS	SE SE
	re #1	S	SPLIT SYS	STEM A/C U	NIT	(INDOC	DR) S	O CHEDUL LOW RATE	208/ E	<u></u>				SE
	TE #1 MFGR	S РКА-	SPLIT SYS	STEM A/C U	NIT	(INDOC HEATING	DR) S		208/ E VOL	<u></u>				SE
	TE #1 MFGR MITSUBISHI	S РКА- РКА-	SPLIT SYS SS MODE -A12LA	STEM A/C U L COOLI 12,000	NIT	(INDOC HEATING 18,000	DR) S AIRFI 455		208/ E VOL 208/1	<u>'1</u>				SE
	MFGR MITSUBISHI MITSUBISHI	S РКА- РКА-	SPLIT SYS ss mode -A12LA -A12LA	STEM A/C U L COOLI 12,000 12,000	NIT	(INDOC HEATING 18,000 18,000	AIRFI 455 455		208/ E 208/1 208/1	<u>'1</u>				SE
	re #1 MFGR MITSUBISHI MITSUBISHI MITSUBISHI SPLII	У РКА- РКА- РКА-	SPLIT SYS SS MODE -A12LA -A12LA -A12LA -A12LA	STEM A/C U L COOLI 12,000 12,000 12,000	NIT NG DO((INDOC HEATING 18,000 18,000 18,000 OR) SCH	AIRF 455 455 455 IEDU		208/ E 208/1 208/1 208/1	TAGE	1 1 1			SE
	re #1 Mfgr Mitsubishi Mitsubishi Mitsubishi SPLI1 Mfgr	РКА- РКА- РКА- Т SYST	SPLIT SYS SS MODE -A12LA -A12LA -A12LA TEM A/C MODEL	STEM A/C U L COOLI 12,000 12,000 C UNIT (OUT		(INDOC HEATING 18,000 18,000 18,000 OR) SCH HEATING	AIRFI 455 455 455 IEDU	O CHEDUL LOW RATE	208/ E 208/1 208/1 208/1	<u>'1</u>	1 1 1			SE
	TE #1 MFGR MITSUBISHI MITSUBISHI MITSUBISHI SPLIT MFGR MITSUBISHI	S РКА- РКА- РКА- Т SYST РUZ-А	SPLIT SYS SS MODE -A12LA -A12LA -A12LA -A12LA IEM A/C MODEL 12NKA7-BS	STEM A/C U L COOLI 12,000 12,000 12,000 CUNIT (OUT COOLIN S 12,000		(INDOC HEATING 18,000 18,000 18,000 OR) SCH HEATING 8,000	AIRFI 455 455 455 455 455 455 455 455 455 455	0 CHEDUL LOW RATE	208/ E 208/1 208/1 208/1	TAGE	1 1 1			SE
	re #1 Mfgr Mitsubishi Mitsubishi Mitsubishi SPLI1 Mfgr	S РКА- РКА- РКА- Г SYST РUZ-А РUZ-А	SPLIT SYS SS MODE -A12LA -A12LA -A12LA -A12LA TEM A/C MODEL 12NKA7-BS 12NKA7-BS	STEM A/C U L COOLI 12,000 12,000 12,000 C UNIT (OUT COOLIN 12,000 12,000 COOLIN 12,000	NIT NG DO(IG	(INDOC HEATING 18,000 18,000 18,000 OR) SCH HEATING	AIRFI 455 455 455 IEDU	0 CHEDUL LOW RATE LE TAGE M 1 11 1 11	208/ E 208/1 208/1 208/1	TAGE	1 1 1			SE

PROVIDE AND INSTALL SCHEDULED MECHANICAL EQUIPMENT ALONG WITH ALL ASSOCIATED SYSTEMS INCLUDING, BUT NOT LIMITED TO: EXTERIOR HOUSEKEEPING PAD, ELECTRICAL POWER FEED AND DISCONNECT SWITCHES, CONDENSATE LINES, AND MOUNTING HARDWARE.





MECHANICAL NOTES

GENERAL

. GENERAL NOTES, SYMBOLS, LISTS AND DETAILS ARE APPLICABLE TO ALL MECHANICAL DRAWINGS LABELED "M."

2. THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK, MATERIALS AND LABOR TO PROVIDE COMPLETE AND WORKING MECHANICAL SYSTEMS WHETHER SPECIFIED OR IMPLIED.

3.THE ENTIRE MECHANICAL INSTALLATION SHALL CONFORM TO ALL THE LOCAL CODE, STATE LAWS, AGA, BOCA, NBFU, NSPC, ASME AND ALL OTHER GOVERNING AUTHORITIES.

4. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, FEES, INSPECTIONS AND APPROVALS AS REQUIRED.

DO NOT SCALE THE DRAWINGS FOR EXACT DIMENSIONS. VERIFY ALL FIGURES, CONDITIONS, DIMENSIONS, ETC. AT THE JOB SITE.

6. CONTRACTOR SHALL GUARANTEE THE COMPLETE INSTALLATION AGAINST DEFECTS IN THE WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF THE FINAL ACCEPTANCE. THIS GUARANTEE SHALL BE BINDING REGARDLESS OF THE MANUFACTURER'S GUARANTEE AND THE CONTRACTOR SHALL REPAIR AND/OR REPLACE ALL DEFECTIVE MATERIALS OR PARTS REGARDLESS OF CAUSE (EXCLUDING DEFECTS TRACEABLE TO IMPROPER MAINTENANCE OR MALICIOUS DESTRUCTION OR ACTS OF GOD AFTER THE SYSTEM HAS BEEN ACCEPTED BY THE OWNER.)

7. THE CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES TO PREVENT INTERFERENCE BETWEEN BEAMS, STRUCTURES, PIPING, LIGHTING, FIXTURES, ETC.

8. ALL MECHANICAL EQUIPMENT SHALL NE LOCATED AT A MINIMUM FLOOR ELEVATION OF 10.0 MSL OR EQUAL. PROVIDE ALL NECESSARY STRUCTURES.

9.ALL MATERIALS USED IN CONSTRUCTION SHALL HAVE A FLAME SPREAD RATING OF 25 OR LESS, A SMOKE DEVELOPMENT RATING OF 50 OR LESS, AND A FUEL CONTRIBUTED RATING OG 25 OR LESS. ALL MATERIALS SHALL BE "SELF-EXTINGUISHING."

10. ALL PIPING, CONDUIT AND DUCT PENETRATIONS OF "FIRE RATED BUILDING CONSTRUCTION SHALL BE SLEEVED AND SEALED WITH A FIRE BARRIER MATERIAL EQUAL TO 3M "PENETRATION SEALING SYSTEMS," REFER TO ARCHITECTURAL DRAWINGS FOR FIRE RATING OF BUILDING CONSTRUCTION.

11. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN RECOMMENDATIONS.

12. CONTRACTOR SHALL PROVIDE THREE (3) COMPLETE SETS OF BOUND OPERATING AND MAINTENANCE INSTRUCTIONS. CONTRACTOR SHALL INSTRUCT THE OWNER OR HIS AGENT WITH REGARD TO THE PROPER USE OF THE SYSTEM UNTIL SUCH INSTRUCTION IS COMPLETE TO THE OWNER'S SATISFACTION. OPERATION AND MAINTENANCE MANUAL SHALL INCLUDE A VALVE SCHEDULE IF VALVES ARE INSTALLED AS PART OF THE NEW WORK.

13. MECHANICAL CONTRACTOR SHALL LABEL ALL NEW MECHANICAL EQUIPMENT, PIPING AND VALVES (INDOORS AND OUTDOORS) IN A PERMANENT MANNER. MECHANICAL PIPING SHALL BE LABELED WITH SELF-ADHESIVE PIPE MARKERS EQUAL TO MARKING SERVICES INC. (MSI) SERIES MS-900 MARKERS. COMPLY WITH ASME A13.1 FOR LETTERING SIZE, LENGTH OF COLOR FIELD, COLORS, AND VIEWING ANGLES OF IDENTIFICATION. DIRECTION OF FLOW SHALL BE IDENTIFIED WITH MS-900 FLOW DIRECTIONAL ARROW TAPE. VALVES SHALL BE IDENTIFIED WITH BRASS VALVE 13. SUPPORTS FOR DUCTS SHALL BE INSTALLED AT INTERVALS OF NOR MORE THAN 10 FEET. TAGS, ATTACHED WITH SOLID BRASS CHAINS AND "S" HOOKS. VALVE TAGS SHALL BE COORDINATED WITH VALVE SCHEDULE PROVIDED IN OPERATION AND MAINTENANCE MANUEL MECHANICAL EQUIPMENT SHALL BE LABELED WITH ENGRAVED PLASTIC TAGS WITH MOUNTING HOLES AND STAINLESS STEEL SCREWS. ALL LABELING SHALL HAVE HIGH CONTRAST BETWEEN LETTER AND BACKGROUND COLORS AND SHALL BE LOCATED FOR EASY VISIBILITY.

14. ALL MECHANICAL EQUIPMENT AND APPLIANCES INSTALLED SHALL BEAR THE LABEL OF AN APPROVED AGENCY.

15. THE ENTIRE MECHANICAL INSTALLATION SHALL BE MADE IN ACCORDANCE WITH THE 2021 INTERNATIONAL MECHANICAL CODE AND ANY SUPPLEMENTS.,

16. PROVIDE VIBRATION ISOLATION MOUNTINGS FOR ALL MOTOR OPERATED EQUIPMENTS AND AS RECOMMENDED BY THE MANUFACTURER.

17. ALL EXTERIOR WALL OPENINGS SHALL BE SLEEVED, PROPERLY CAULKED AND SEALED WITH A WALLS, FLOORS, CEILINGS, ETC. WHERE SHOWN ON DRAWINGS AND AS REQUIRED BY THE HIGH QUALITY SEALANT TO PREVENT INFILTRATION OF MOISTURE AND OUTSIDE AIR.

18. MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR WHO SHALL PROVIDE POWER WIRING TO ALL MECHANICAL EQUIPMENT, MECHANICAL CONTRACTOR SHALL FURNISH LOOSE MOTOR STARTERS AND DISCONNECT SWITCHES FOR INSTALLATION AND WIRING BY THE ELECTRICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE ALL CONTROL AND INTERLOCK WIRING BY THE ELECTRICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE ALL CONTROL AND INTERLOCK WIRING AND ALL THERMOSTATS AND ACCESSORIES.

19. PROVIDE BALANCING OF ALL AIR SYSTEMS PER AABC OR NEBB STANDARDS. SUBMIT TEST DATA AND DEMONSTRATE IN FIELD. INCLUDE SOUND TESTING AS MAY BE REQUIRED.

20. SUBMIT 3/8" SCALE SHOP DRAWINGS FOR APPROVAL TO FABRICATION. COORDINATE WITH ALL TRADES.

21. SUBMIT TO THE ARCHITECT FOR APPROVAL, DUPLICATE SPECIFICATION SHEETS OF ALL EQUIPMENT SUPPLIED OR INSTALLED, INCLUDING BUT NOT LIMITED TO THE FOLLOWING: AIR HANDLING UNITS

EXHAUST FANS

CONTROLS.

- ELECTRIC HEATERS D: GRILLES AND DIFFUSERS
- DUCTWORK AND INSULATION

22. A COMPLETE SET OF "AS-BUILT" DRAWINGS, (1) SET HARD COPY REPRODUCIBLE AND (1) SET ELECTRONIC FILES PRODUCED IN AUTOCAD FORMAT RELEASE 14 (MIN.) SHALL BE FURNISHED (1/8"=1'-0" SCALE MIN.) TO THE OWNER AND ENGINEER UPON REQUEST.

23. EQUIPMENT AND APPLIANCES HAVING AND IGNITION SOURCE AND LOCATED IN HAZARDOUS LOCATIONS AND PUBLIC GARAGES, PRIVATE GARAGES, REPAIR GARAGES, AUTOMOTIVE MOTOR FUEL-DISPENSING FACILITIES AND PARKING GARAGES SHALL BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS NOT LESS THAN 18 INCHES ABOVE THE FLOOR SURFACE ON WHICH THE EQUIPMENT OR APPLIANCE RESTS. THE THE PURPOSE OF THIS SECTION (IBC 406.2.9.1), ROOMS OR SPACES THAT ARE NOT PART OF THE LIVING SPACE OF A DWELLING UNIT AND THAT COMMUNICATION DIRECTLY WITH A PRIVATE GARAGE THROUGH OPENINGS SHALL BE CONSIDERED PART OF THE PRIVATE GARAGE.

AIR HANDLING EQUIPMENT

. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL VIBRATION ISOLATION EXTERNAL OR INTERNAL TO BOTH AIR HANDLING UNITS AND ALL MOTOR OPERATED DEVICES. EXPECTED NOISE LEVELS SHALL CONFORM TO THE PREFERRED CRITERIA RECOMMENDATIONS AS SET FORTH IN ASHRAE 1991 HVAC APPLICATIONS HANDBOOK. CHAPTER 42, PAGE 42.5. IT WILL BE THE MECHANICAL CONTRACTOR'S RESPONSIBILITY TO SELECT AND INSTALL VIBRATION ISOLATORS WHICH WILL ENABLE THE AFOREMENTIONED NOISE CRITERIA TO BE MET.

2. ALL EQUIPMENT SHALL BE TESTED, RATED AND CERTIFIED IN ACCORDANCE WITH APPLICABLE INDUSTRY STANDARDS SUCH AS AMCA, ARI, ASHARE AND IRB SHALL ALSO APPLY. EQUIPMENT SHALL BEAR LABELS OR APPROVAL BY APPLICABLE AGENCIES.

3. FAN MANUFACTURER SHALL SUBMIT FOR APPROVAL, TWO CERTIFIED PERFORMANCE CURVES FOR EACH FAN, ONE SHALL BE IN ACCORDANCE WITH AMCA TEST STANDARDS, THE OTHER SHALL INDICATE THE "DE-RATING" DUE TO ALL NECESSARY ALLOWANCE. NOT THAT THE "DE-RATING" CONDITIONS SHALL SATISFY THE DUTIES, AND SHALL BE CONFIRMED BY ACTUAL FIELD testing.

4. DRIVES FOR ALL BELT DRIVEN EQUIPMENT SHALL INCLUDE PROPERLY SELECTED SHEAVES, MATCHED V-BELTS, ALL RATED FOR 150 PERCENT OF MOTOR HORSEPOWER.

5. PROVIDE FLEXIBLE DUCT CONNECTIONS ON SUPPLY, RETURN AND OUTDOOR AIR DUCTS TO ALL AIR HANDLING EQUIPMENT.

6. PROVIDE ROOF CURBS AND COUNTERFLASHING FOR ALL ROOF MOUNTED AIR HANDLING EQUIPMENT. BASE FLASHING SHALL BE BY OTHERS.

DUCTWORK

MAX	IMUM SI	<u>DE (IN.)</u>	GAG
THRC	DUGH	12	26
13	-	30	24
31	-	54	22
55	-	84	20
OVE	2	84	16
DIAN	<u>AETER (IN</u>	<u>l.)</u>	<u>GAG</u>
THRC	DUGH	12	26
13	-	18	24
19	-	28	22
29	-	36	20
37	-	52	18

PROVIDE ALL NECESSARY CROSS-BREAKING AND DUCT REINFORCING AS REQUIRED PER SMACNA RECOMMENDATIONS.

INSTALLED AS HIGH AS POSSIBLE.

PENETRATING THROUGH FIRE RATED WALLS, FLOORS, AND PARTITIONS. SEAL ALL ANNULAR 3M "PENETRATING SEALING SYSTEM."

RETURN AIR OPENINGS AND RECESSED EQUIPMENT WITH THE GENERAL CONTRACTOR.

11. ALL PIPING AND DUCTS IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN FURRED CHASSES OR SUSPENDED CEILING.

AT A VELOCITY NOT TO EXCEED 500 FEET PER MINUTE. PROVIDE LINTELS AS REQUIRED.

14.FLEXIBLE DUCTWORK CONCEALED ABOVE CEILING SHALL BE EQUAL TO THERMAFLEZ PRO SERIES G-KM INSULATED FLEXIBLE DUCT (R-VALUE=4.2) WITH POLYETHYLENE VAPOR BARRIER CONNECTED TO BRANCHES AND MAINS USING CONICAL FITTINGS AND SHALL NOT EXCEED OR EXHAUST DUCTWORK.

15.ALL DUCTWORK SHALL BE DESIGNED, CONSTRUCTED AND INSTALLED PER SMANCA JOINTS WITH THE FIRE-PROOF SEALANT FOR "AIR-TIGHT" APPLICATION.

INTERNATIONAL MECHANICAL CODE 2015. FIRE DAMPERS SHALL COMPLY WITH REQUIREMENT HOUR FIRE-RESISTANCE-RATED ASSEMBLIES AND A MINIMUM RATING OF 3-HOURS FOR PENETRATION OF 3-HOUR OR GREATER FIRE-RESISTANCE-RATED ASSEMBLIES. PROVIDE ACCESS UNLESS OTHERWISE NOTED.

INSTALL ALL DUCT SMOKE DETECTORS AND INSTALL ALL REQUIRED CONTROL WIRING TO AUTOMATICALLY SHUT DOWN FANS AS OUTLINED IN SPECIFICATIONS.

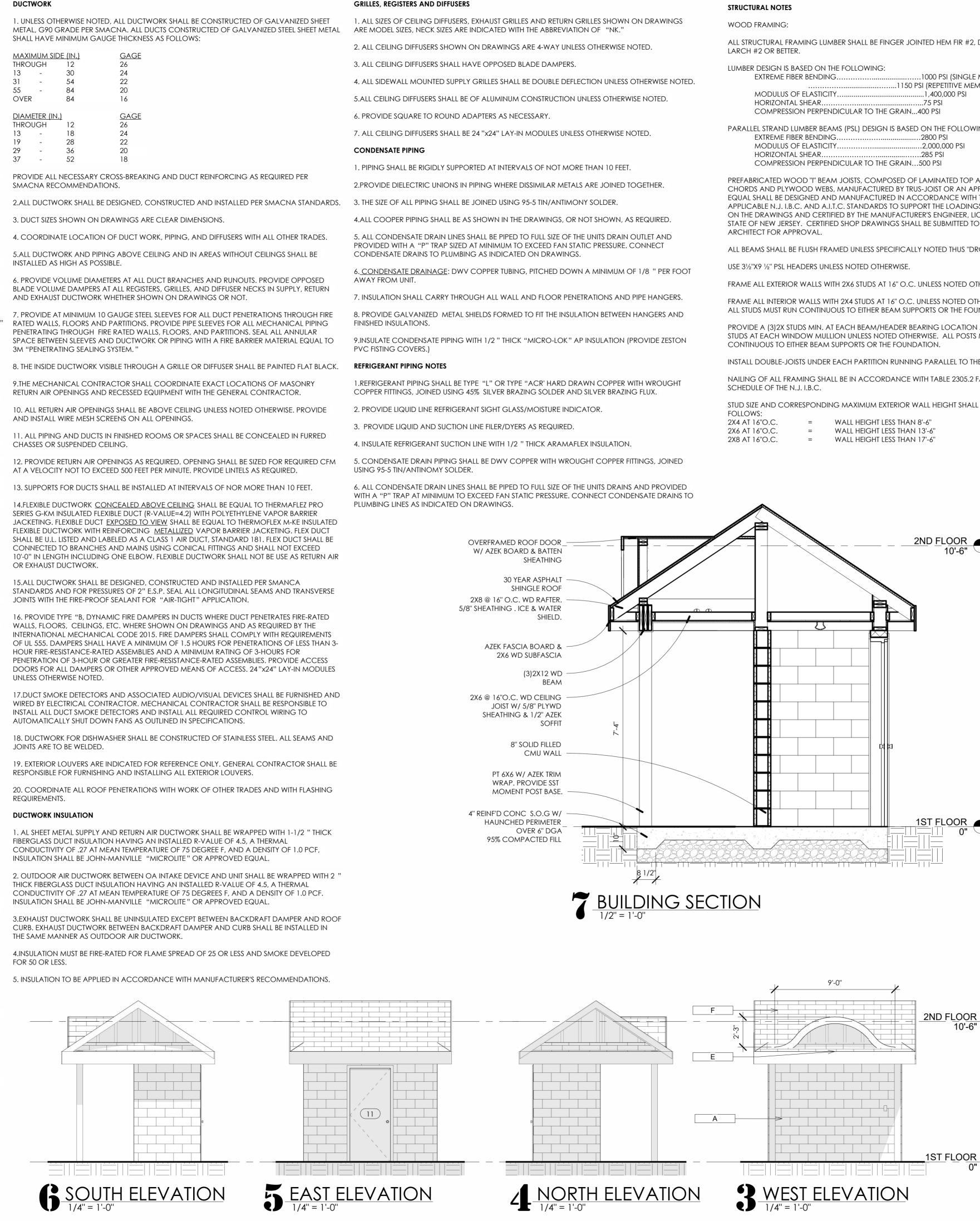
JOINTS ARE TO BE WELDED.

REQUIREMENTS.

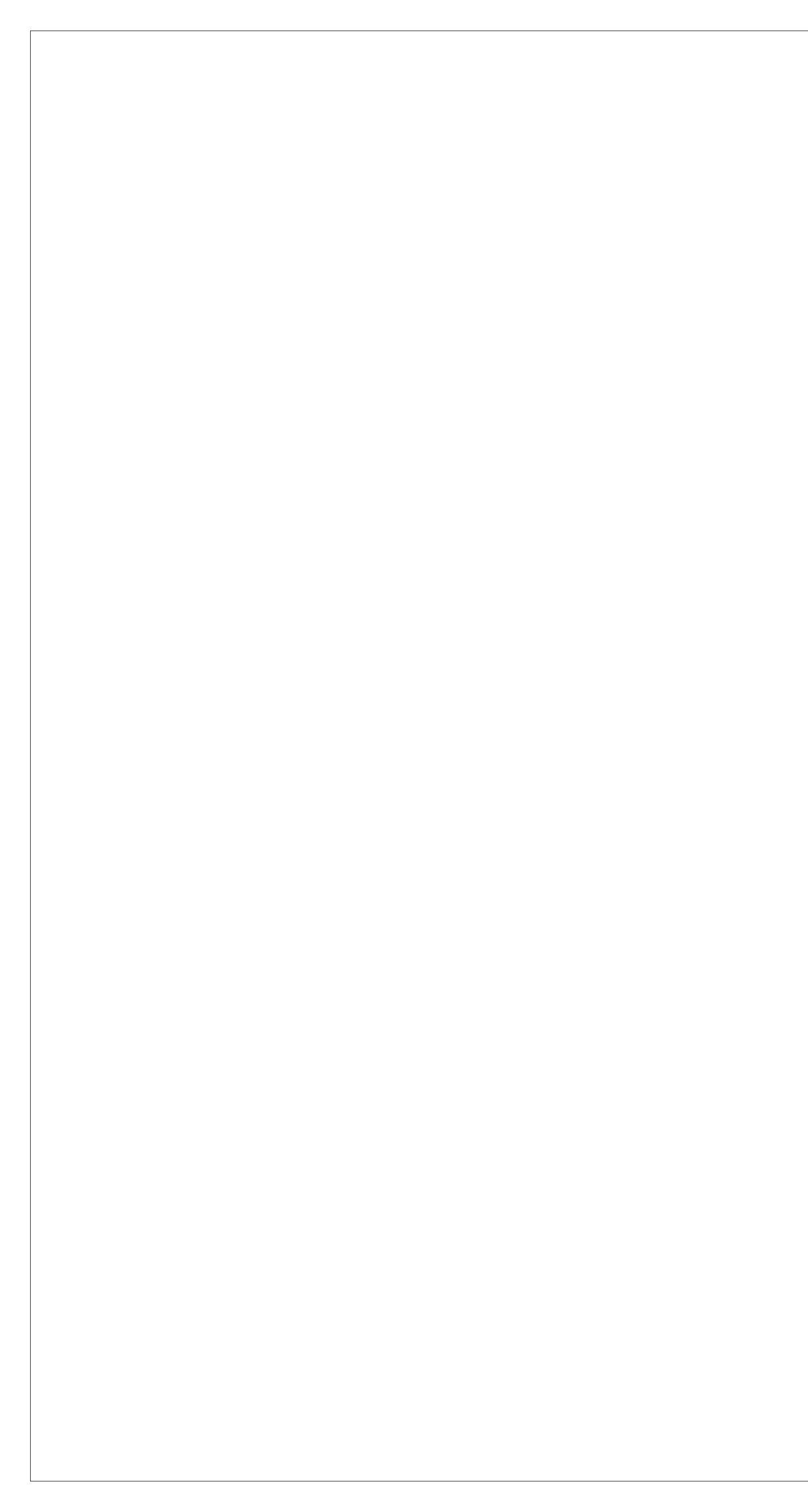
FIBERGLASS DUCT INSULATION HAVING AN INSTALLED R-VALUE OF 4.5, A THERMAL CONDUCTIVITY OF .27 AT MEAN TEMPERATURE OF 75 DEGREE F, AND A DENSITY OF 1.0 PCF, INSULATION SHALL BE JOHN-MANVILLE "MICROLITE" OR APPROVED EQUAL.

THICK FIBERGLASS DUCT INSULATION HAVING AN INSTALLED R-VALUE OF 4.5, A THERMAL CONDUCTIVITY OF .27 AT MEAN TEMPERATURE OF 75 DEGREES F, AND A DENSITY OF 1.0 PCF.

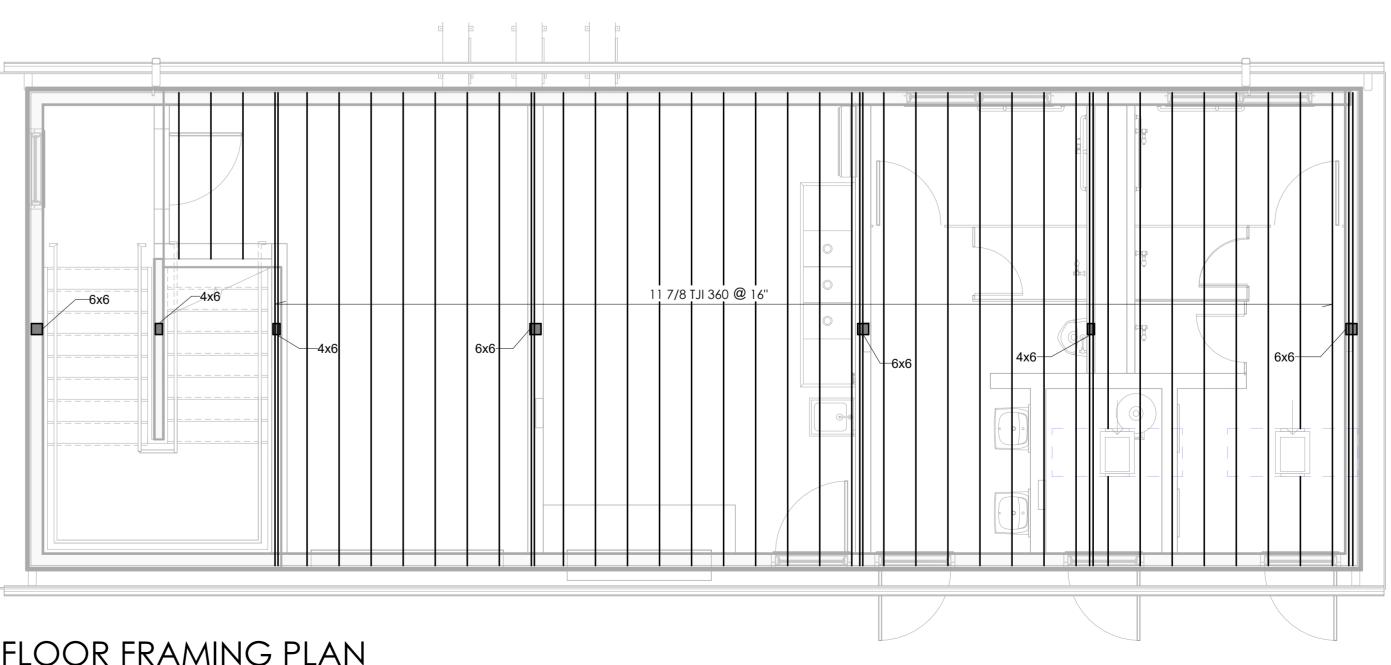
THE SAME MANNER AS OUTDOOR AIR DUCTWORK.



	CONCRETE AN	ID REINFORCING NOTES:		
2, DOUGLAS FIR-	ALL CONCRETE	e shall attain a minimum compressive strength of 4000 psi Less specifically noted otherwise.		
e member uses)	ALL CONCRETE	E SHALL BE REINFORCED AND ERECTED IN ACCORDANCE WITH THE ULATIONS FOR REINFORCED CONCRETE AS ADOPTED BY ACI 301		
EMBER USES)	THIS WORK SHA REINFORCED C	ALL CONFORM TO ACI 301 STANDARD SPECIFICATIONS FOR CONCRETE.		
WING:	GRADE 60. DE FABRICATED A STANDARD PR/ BARS SHALL BE UNLESS INDICA	ING SHALL BE DEFORMED BARS INTERMEDIATE GRADE ASTM A615 TAILS OF REINFORCEMENT AND ACCESSORIES SHALL BE ND PROVIDED IN ACCORDANCE WITH THE MANUAL OF ACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES. LAPPED A MINIMUM OVERLAP OF 36 BAR DIAMETERS AT SPLICES ATED OTHERWISE. WELDED WIRE FABRIC (ASTM A185) SHEETS SHALL	william mcle architectu 5 Macarthur Boulevard Somers Point, t:609.927.0888 f: 609.927.0889	ITE NJ 08244
? AND BOTTOM	LAP 8" MIN. AT		www.wmarch.net	
'H THE IGS AS SPECIFIED LICENSED IN THE		AL MASONRY SHALL BE A MINIMUM COMPRESSIVE STRENGTH OF SHALL BE MANUFACTURED USING LIGHTWEIGHT AGGREGATES.	William C. McLe	es
TO THE	ALL MORTAR S	HALL BE TYPE 'S' MINIMUM, COLOR BY ARCHITECT.	AIA, LEED AP New Jersey State License Pennsylvania State License	AI 14054 RA403479
DROP"		WALLS SHALL BE REINFORCED WITH MINIMUM 9 GAGE TRUSSED CING AT 16" O.C. VERTICAL, LAP AT ALL CORNERS AND S.		
otherwise. Otherwise. Dundation. In and (2) 2x	MANUFACTURI SPECIFICATION	ASONRY IN BEARING WALL CONDITIONS SHALL BE ED, TESTED AND INSTALLED IN ACCORDANCE WITH THE I FOR THE DESIGN AND CONSTRUCTION OF LOAD-BEARING ASONRY PUBLISHED BY THE NATIONAL CONCRETE MASONRY	WINER	
is must run		TOR/INSTALLER SHALL BE RESPONSIBLE FOR BRACING OF ALL ORK UNTIL BUILDING IS CLOSED IN AND COMPLETE.	William McLees Architect New Jersey State Certificate of	
THE JOIST SPAN.	DESIGN LOAD		21AC00055500	
2 FASTENING LL BE AS	AS GOVERNED DEAD LOAD: LIVE LOAD:	D BY THE 2021 N.J. I.B.C. WEIGHT OF ALL BUILDING COMPONENTS COMMERCIAL = 100 PSF RESIDENTIAL = 40 PSF SLEEPING AREAS = 40 PSF ATTIC SPACES = 20 PSF	THE INFORMATION CONTAINED HEREIN IS COPYRIGH PROPERTY OF WILLIAM MCLEES ARCHITECTURE, LLC. T VIA A LIMITED USE LICENSE TO THE OWNER FOR THE C MATERIAL MAY NOT BE REPRODUCED, TRANSFERRED, THE EXPRESSED WRITTEN CONSENT OF WILLIAM MCLE INFORMATION CONTAINED HEREIN HAS BEEN CREATE ON THE INFORMATION AVAILABLE AS OF THIS SHEET B FOR REFERENCE ONLY AND MAY NOT BE USED FOR C AND UNTIL: (A) 'CONSTRUCTION ISSUE' IS NOTED IN T THIS SHEET IS AFFIXED WITH THE SIGNATURE OF THE REC	THE MATERIAL IS PROVIDED JWNER'S PURPOSES, THIS , OR CONVEYED WITHOUT ES ARCHITECTURE, LLC. ED AND ASSEMBLED BASED JELOW, DRAWINGS ARE CONSTRUCTION UNLESS HE TITILEBLOCK BELOW, (B) GISTERED ARCHITECT
	ROOF LOADS:	LIVE = 20 PSF ROOF EXPOSURE FACTOR = 0.7 SNOW IMPORTANCE FACTOR = 1.0	RESPONSIBLE FOR THE WORK, AND , (C) BEARS THE SE ARCHITECT. DO NOT SCALE DRAWINGS © WILLIAM M ALL RIGHTS RESERVED.	
	WIND LOADS:	125 MPH BASIC WIND SPEED (3-SECOND GUSTS) EXPOSURE CLASSIFICATION D WIND IMPORTANCE FACTOR = 1.0	NEW CONSTRU	ICTION
\bullet	SEISMIC:	AV = AA = 0.06 HAZARD EXPOSURE GROUP II SOIL PROFILE TYPE S4 - COEFFICIENT = 2.0 PERFORMANCE CATEGORY B RESPONSE MODIFICATION FACTOR R = 4.5 DEFLECTION AMPLIFICATION FACTOR CD = 4.0	LINWOOD SC BUILDIN	
			ALL WARS MEMOR LINWOOD, NJ	
•	L7 	R REFL. CLG. PLAN	BID ISSU NOT FOR CONST No. Description	
<u>}</u>	7 A5.00 0 4 4 0 4 4 6x6 7 0 1/2,	CLAD POST IN AZEK TRIM BOARD 4" CONC. SOG OVER CONT. V.B. PROVIDE 6X6 NO.10 WWF 6x6 FEMPORARILY SUPPORT ELEC EQUIPMENT WHILE RECONSTRUCTING MASONRY WALL EX'G LIGHTING EQUIPMENT, RELOCATE & EXTEND WIRING AS REQ'D 1 1 1 1 1 1 1 1 1 1 1 1 1	LIGHTING CC BUILDING PI SECTION, ELEV and NOT Scale Drawn by Date	LANS, /ATIONS ES As indicated JAS 09/01/23
<u>R</u>)" •		× jsr	A5.	
1	<u>1ST FL</u> 1/4" = 1'-0"	OOR PLAN	Comission no.	21047L



2ND FLOOR FRAMING PLAN



2 ROOF FRAMING PLAN

