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

FLOOR SINK DETAIL

3" = 1'-0"

2 FLOOR DRAIN DETAIL
3" = 1'-0"

GROUT IN NEW DRAIN W/ NON-SHRINK

CAST IRON INDIRECT WASTE DRAIN W/ FLANGE

CORE-DRILL EX'G SLAB. PROVIDE FIRESTOPPING

DRAIN FLANGE PER MFR'S RECOMMENDATIONS

NEW TILE FLOORING OVER LATEX PORTLAND CEMENT

MORTAR BED. PITCH FLOOR TO DRAIN. REFER TO FIN

GROUT IN NEW DRAIN W/ NON-SHRINK QUIK-CRETE

CORE-DRILL EX'G SLAB, PROVIDE FIRESTOPPING AROUND PIPE PENETRATION - SEE TYP. DETAILS

NEW TILE FLOORING OVER LATEX PORTLAND

REFER TO FIN. SCHEDULE FOR TILE SPEC

CEMENT MORTAR BED. PITCH FLOOR TO DRAIN

CAST IRON FLOOR DRAIN

W/INTEGRAL TRAP, BRONZE STRAINER

4 MIL EPDM WATERPROOF MEMBRANE, LAP

SCHEDULE FOR TILE SPEC.

AROUND PIPE PENETRATION - SEE TYPICAL DETAILS

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.

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

NEW 2-STORY MASONRY & WD FRAMED UTILITY

TO BE REMOVED (REFER TO D1.00 FOR MORE INFO)

PROPOSED SITE PLAN

1" = 50'-0"

& WD FRAMED UTILITY BUILDING

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

OWNER: CITY OF LINWOOD

400 W POPLAR AVENUE LINWOOD, NJ 08221

ARCHITECT: WILLIAM MCLEES ARCHITECTURE 5 MACARTHUR BOULEVARD

SOMERS POINT, NJ 08244
CONTACT: WILLIAM MCLEES, AIA

609.927.0888

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.

		Enclosed
Total Building Areas:	FIRST FLOOR:	1,104 S.F.
-	SECOND FLOOR:	1,104 S.F.
	TOTAL:	2,208 S.F.
Building Footprint:		1,104 S.F.
Use Group:		U
Construction Class:		V-B

A6.00 FRAMING PLANS & LIGHTING CONTROL BUILDING DRAWINGS

DRAWING LIST ISSUE CURRENT REVISION SHEET NAME REVISION DATE Drawn By NUMBER DATE G0.00 COVER SHEET 09/01/23 01.31.24 JAS D1.00 DEMOLITION NOTES & PLANS 12/01/23 01.31.24 JAS A1.00 PROPOSED PLANS, ELEVATIONS, SECTIONS and DETAILS 09/01/23 12.01.23 JAS A2.00 PROPOSED PLANS, ELEVATIONS, SECTIONS and DETAILS 09/01/23 01.31.24 JAS A3.00 PROPOSED REFLECTED CEILING PLANS, SCHEDULES and DETAILS 09/01/23 01.31.24 JAS A4.00 | ELECTRICAL & PLUMBING NOTES, SCHEDULES and DIAGRAMS 3 01.31.24 JAS 09/01/23 A5.00 LIGHTING CONTROL BUILDING PLANS 09/01/23 01.31.24 JAS

12/01/23

3 01.31.24 JAS

AREA OF NEW WORK All Warst Went and Park Alanian Winter Soccer Association Mainland Memorial Park Linwood Street-Hockey







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William C. McLees AIA, LEED AP

New Jersey State License Pennsylvania State License



AI 14054

RA403479

William McLees Architecture, LLC

New Jersey State Certificate of Authorization # 21AC00055500

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NEW CONSTRUCTION LINWOOD SOCCER BUILDING

ALL WARS MEMORIAL PARK LINWOOD, NJ 08221

BID ISSUE

NOT FOR CONSTRUCTION

No.	Description	Date
1	ADDENDUM #2	12.01.23
3	ADDENDUM #4	01.31.24

COVER SHEET

Scale	As indicated
Drawn by	JAS
Date	09/01/23

GO.00

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5/2024 10:20:35 AN

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.

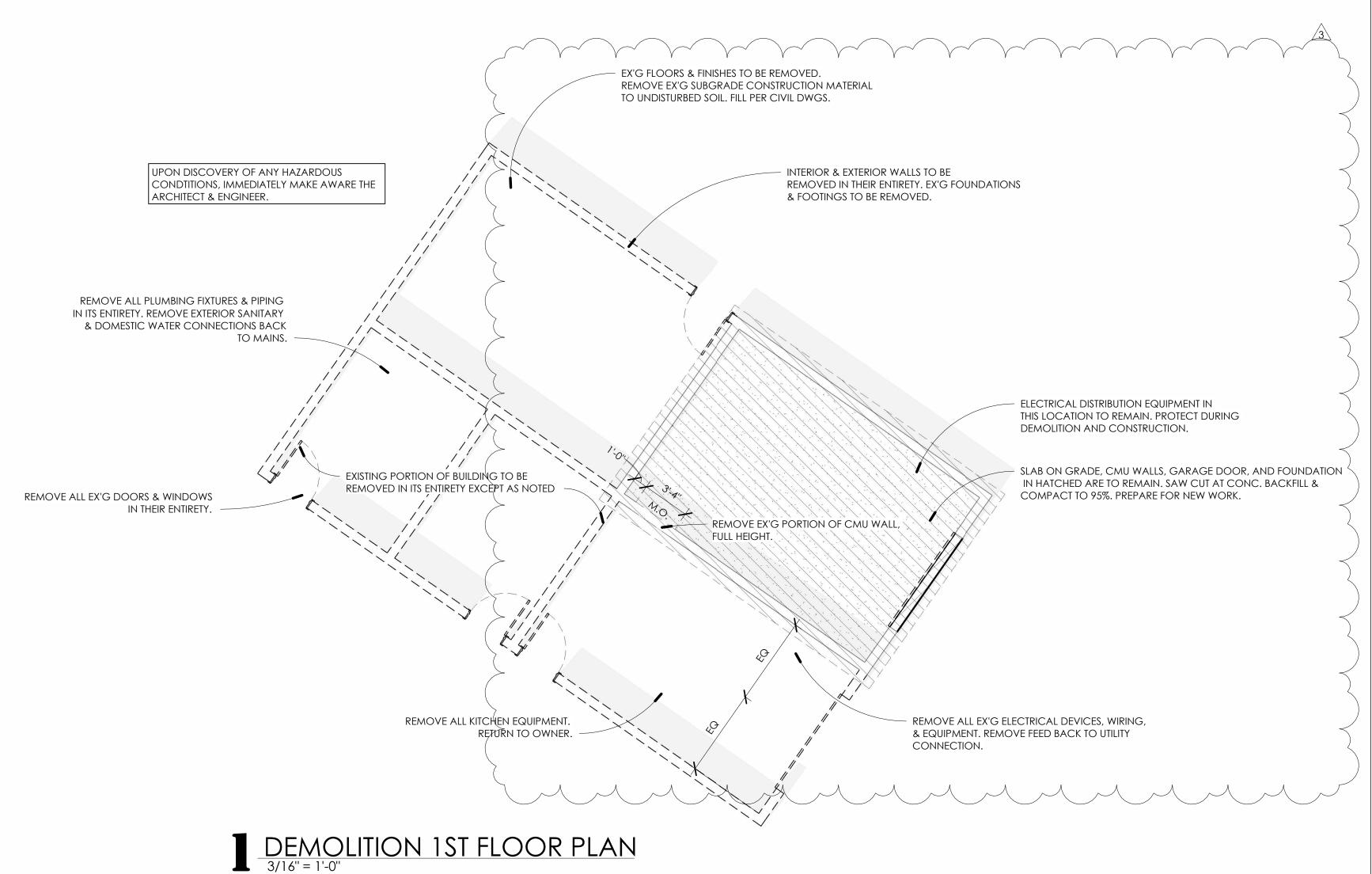
EX'G ROOF TO BE REMOVED. REMOVE ENVELOPE, SHEATHING, INSULATION,

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

& STRUCTURE IN THEIR ENTIRETY.

DEMOLITION ROOF PLAN3/16" = 1'-0"

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.





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NEW CONSTRUCTION
LINWOOD SOCCER
BUILDING

ALL WARS MEMORIAL PARK LINWOOD, NJ 08221

PERMIT SET

No.	Description	Date
1	ADDENDUM #2	12.01.23
3	ADDENDUM #4	01.31.24

DEMOLITION NOTES & PLANS

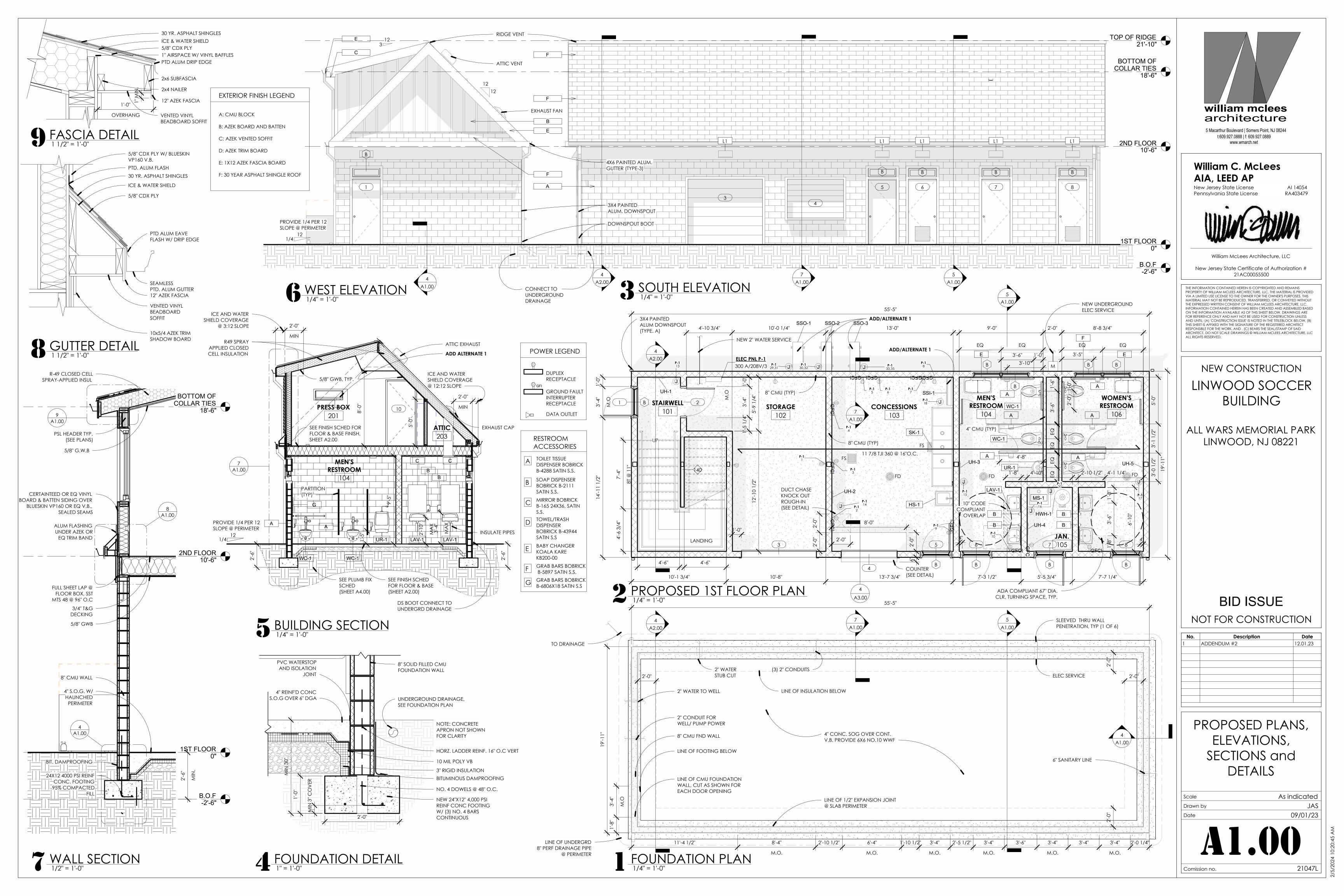
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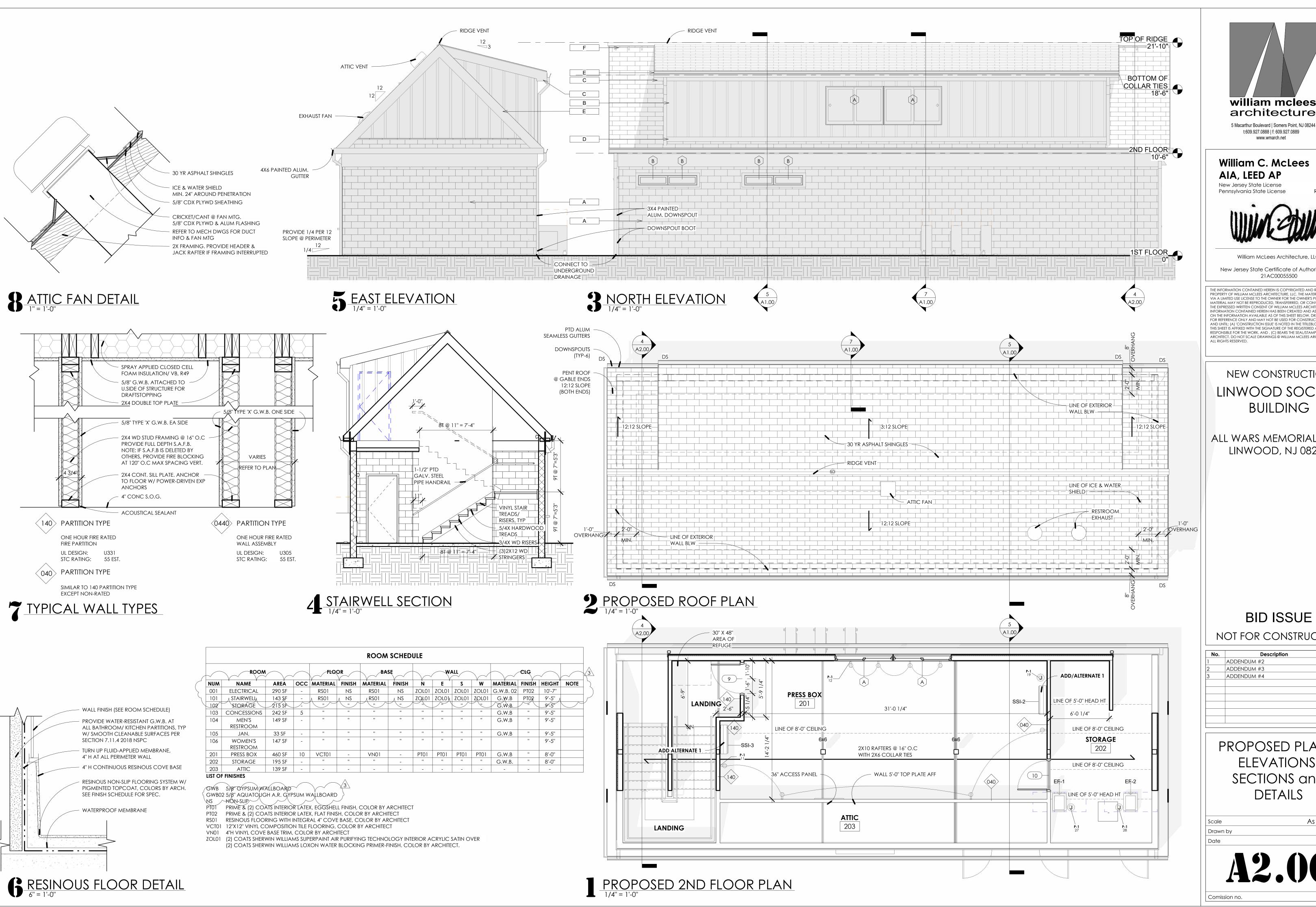
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NEW CONSTRUCTION LINWOOD SOCCER BUILDING

ALL WARS MEMORIAL PARK LINWOOD, NJ 08221

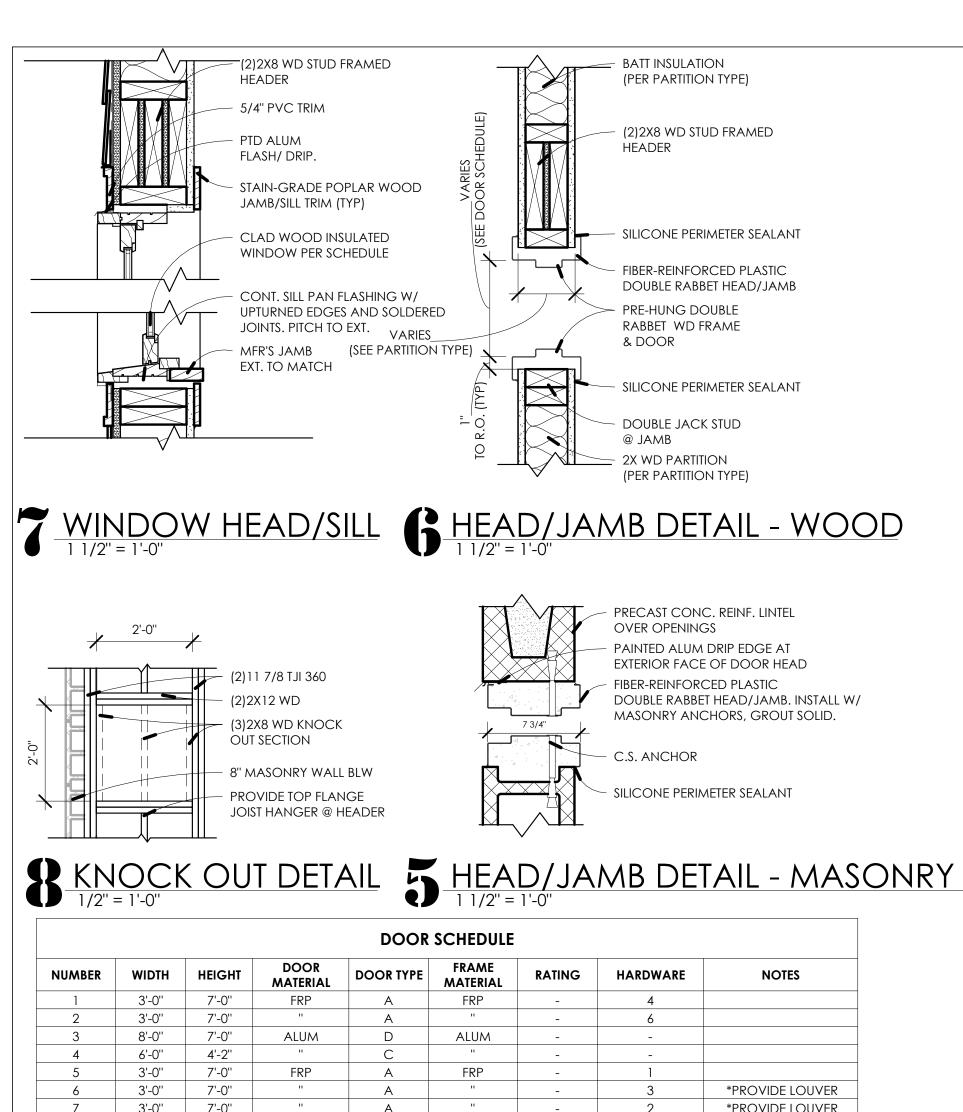
BID ISSUE

NOT FOR CONSTRUCTION

No.	Description	Date
1	ADDENDUM #2	12.01.23
2	ADDENDUM #3	12.08.23
3	ADDENDUM #4	01.31.24

PROPOSED PLANS, ELEVATIONS, SECTIONS and DETAILS

As indicated 09/01/23



3'-0" 7'-0'' *PROVIDE LOUVER 3'-0" 7'-0'' *PROVIDE LOUVER 6'-8'' 8'-0". 6'-6". DOOR NOTES:

PUSH:

PULL:

HINGES:

CLOSER:

STOP:

SWEEP:

GASKETING:

THRESHOLD:

DRIP GUARD:

TYPE 4 - EXIT LOCKSET:

1. ALL DOOR HARDWARE TO BE ADA COMPLIANT. 2. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR ALL DETAILS AND CONDITIONS 3. PROVIDE WALL STOPS AS REQUIRED.

HARDWARE SCHEDULE

TYPE 1 - CONCESSION LOCKSET:	CORBIN RUSSWIN FULL MORTISE
	OFFICE FUNCTION W/
	ADA 'MUSEO GEORGIA 102'
	LEVER HANDLE
HINGES:	STANLEY FBB 5-KNUCKLE FULL
	MORTISED BALL BEARING HINGE
CLOSER:	LCN 4000 SERIES, PARALLEL ARM
GASKETING:	VINYL BULB PERIMETER SEAL
STOP:	FLOOR MOUNTED,
	BY IVES
SWEEP:	PEMKO 234_V DOOR SHOE
THRESHOLD:	PEMKO 274X292_FGPK ADA
	THERMAL BARRIER THRESHOLD
DRIP GUARD:	PEMKO DOOR TOP WEATHERSTR

TYPE 2 - JANITORS CLOSET LOCKSET: CORBIN RUSSWIN FULL MORTISE STOREROOM FUNCTION W/ ADA 'MUSEO GEORGIA 102' LEVER HANDLE

HINGES: CLOSER: GASKETING: STOP: SWEEP: THRESHOLD: DRIP GUARD:

STANLEY FBB 5-KNUCKLE FULL

8'-0''

JOW

 \bigcirc D

MORTISED BALL BEARING HINGES LCN 4000 SERIES, JAMB MTD VINYL BULB PERIMETER SEAL STOP ARM CLOSER PEMKO 234_V DOOR SHOE PEMKO 274X292_FGPK ADA THERMAL BARRIER THRESHOLD PEMKO DOOR TOP WEATHERSTRIP

HINGES: CLOSER: GASKETING: STOP: SWEEP: THRESHOLD: DRIP GUARD: OVERHEAD COILING DOOR W/ INSUL. ALUM SLATS

SWEEP: PEMKO 234_V DOOR SHOE THRESHOLD: PEMKO 274X292_FGPK ADA THERMAL BARRIER THRESHOLD PEMKO DOOR TOP WEATHERSTRIP CORBIN RUSSWIN ED4000 RIM MTD PANIC DEVICE CLASSROOM FUNCTION W/ ADA 'MUSEO GEORGIA 102' LEVER HANDLE STANLEY FBB 5-KNUCKLE FULL MORTISED BALL BEARING HINGES LCN 4000 SERIES, JAMB MTD

CORBIN RUSSWIN W/ K-K DEADBOLT

ASSA ABLOY ROCKWOOD 71RCB

ASSA ABLOY ROCKWOOD

FREE PULL

BF110X70B W/8" CTC BARRIER

STANLEY FBB 5-KNUCKLE FULL

VINYL BULB PERIMETER SEAL

STOP ARM CLOSER

MORTISED BALL BEARING HINGES

LCN 4000 SERIES, PARALLEL ARM

STOP: SWEEP:

HINGES: CLOSER: GASKETING: VINYL BULB PERIMETER SEAL THRESHOLD: STOP ARM CLOSER PEMKO 234_V DOOR SHOE PEMKO 274X292_FGPK ADA THERMAL BARRIER THRESHOLD PEMKO DOOR TOP WEATHERSTRIP

6'-0''

JOW

INTEGRAL FRAME

 \bigcirc

TYPE 6 - STORAGE LOCKSET: LEVER HANDLE STOP ARM CLOSER

TYPE 5 - STAIR

LOCKSET:

HINGES:

CLOSER:

STOP:

GASKETING:

CORBIN RUSSWIN ED4000 RIM MTD PANIC DEVICE CLASSROOM FUNCTION W/ ADA 'MUSEO GEORGIA 102' LEVER HANDLE STANLEY FBB 5-KNUCKLE FULL MORTISED BALL BEARING HINGES LCN 4000 SERIES, PARALLEL ARM VINYL BULB PERIMETER SEAL FLOOR MOUNTED, PEMKO 234_V DOOR SHOE PEMKO ADA THRESHOLD

CORBIN RUSSWIN FULL MORTISE STOREROOM FUNCTION W/ ADA 'MUSEO GEORGIA 102' STANLEY FBB 5-KNUCKLE FULL MORTISED BALL BEARING HINGES LCN 4000 SERIES, JAMB MTD VINYL BULB PERIMETER SEAL PEMKO 234_V DOOR SHOE PEMKO ADA THRESHOLD

FIRE SPRINKLER EMERGENCY LIGHTING SPEAKER **PULL STATION** FIRE ALARM HORN / STROBE LIGHTING FIXTURE 'X' TYPE 'X' (SEE SCHEDULE) GWB **CEILING TAG CEILING FINISH** MATERIAL CEILING HT. A.F.F.

COILING DOORS & MILLWORK

REFLECTED CEILING LEGEND

SINGLE POLE SWITCH

SMOKE DETECTOR

EXIT SIGN

3-WAY TOGGLE SWITCH

REFER TO CEILING PLAN, FINISH SCHED

ANOD. ALUM OVERHEAD COILING

COUNTER DOOR BY OVERHEAD DOOR

INSULATED SLAT PROFILE AND INTEGRAL

HAND-OPERATED CRANK, BY MFR.

8" CMU WALL W/ CONT.2X SILL PLATE & MARINE GRADE PW SHIM AS REQ'D

SOLID SURFACE COUNTERTOP ON

3/4" ADJUSTABLE SHELVING.

3/4" F.R.T. SUBSTRATE

WITH P-LAM FIN.

4" WIRE PULL, TYP.

5/8" HEAVY DUTY S.S

3/4" PW MILLWORK

P-LAM FINISH AT ALL

- 4" H KICK, P-LAM FIN.

FACES, EDGES

SHELVING STANDARDS

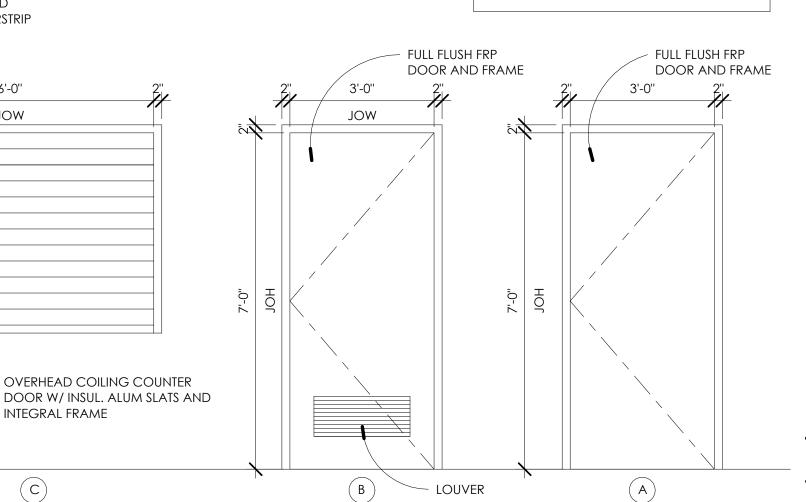
CONSTR, MARINE-GRADE.

FOR CEILING INFORMATION

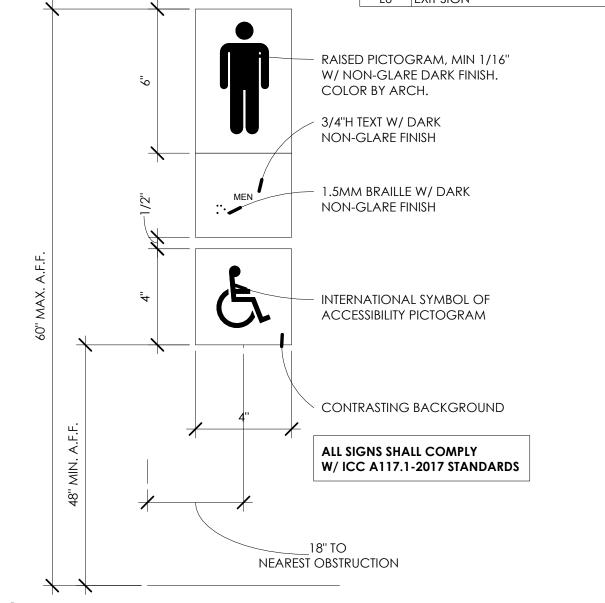
MASONRY BOND BEAM

OR APPROVED EQUAL

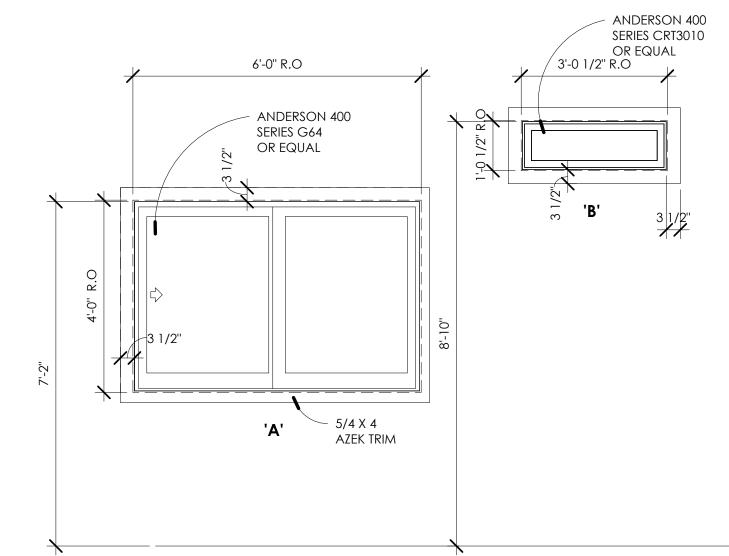
FRAME, SEE SPEC



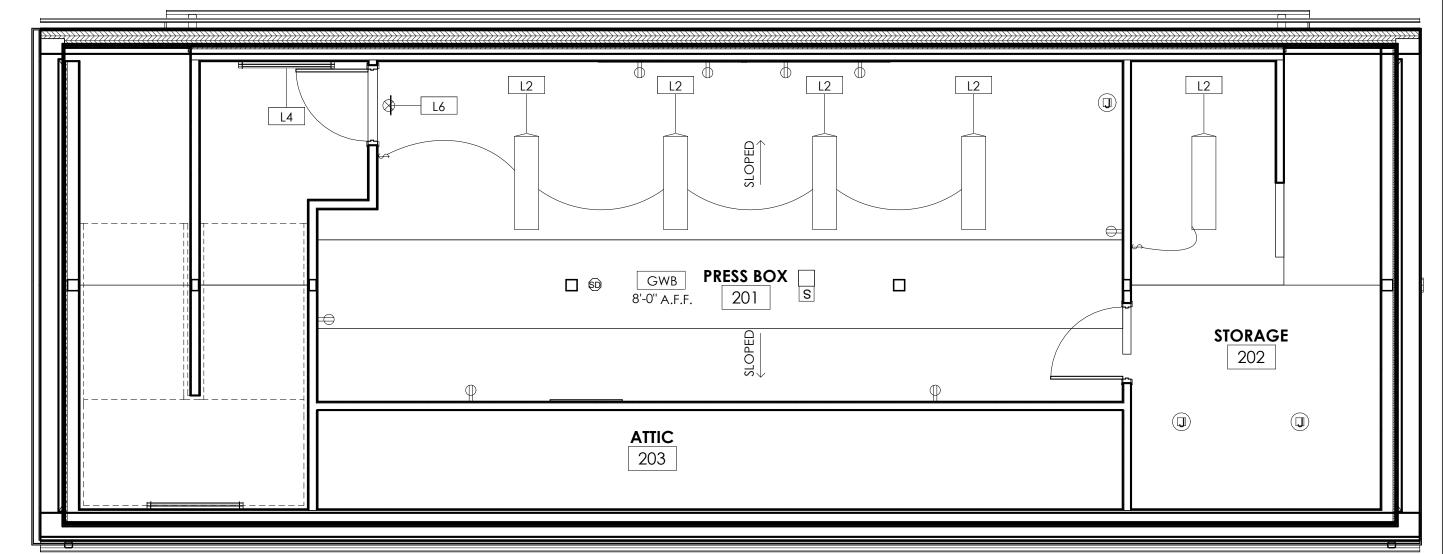
LIGHTING FIXTURE SCHEDULE **DESCRIPTION MANUFACTURER** VOLTAGE WATTS MTG WDGE3 P2 30K 70CRI R3 MVOLT SRM E15WH P EXTERIOR WALL SCONCE LITHONIA L2 1X4 SURFACE MTD LITHONIA 120/277 53.4 FML4W 48 5000LM 835 ZT MVOLT L3 1X4 WALL MTD FMLWL 48 8 35 MVOLT 42 S 120 7.2/FT S PEERLESS L4 LINEAR SURFACE MTD OPRW FL LOP 9FT 80CRI 35K 500LMF 120 L5 EMERGENCY LIGHT LITHONIA 120/277 120/277 .62 L6 EXIT SIGN LITHONIA LQM S W 3 R MVOLT



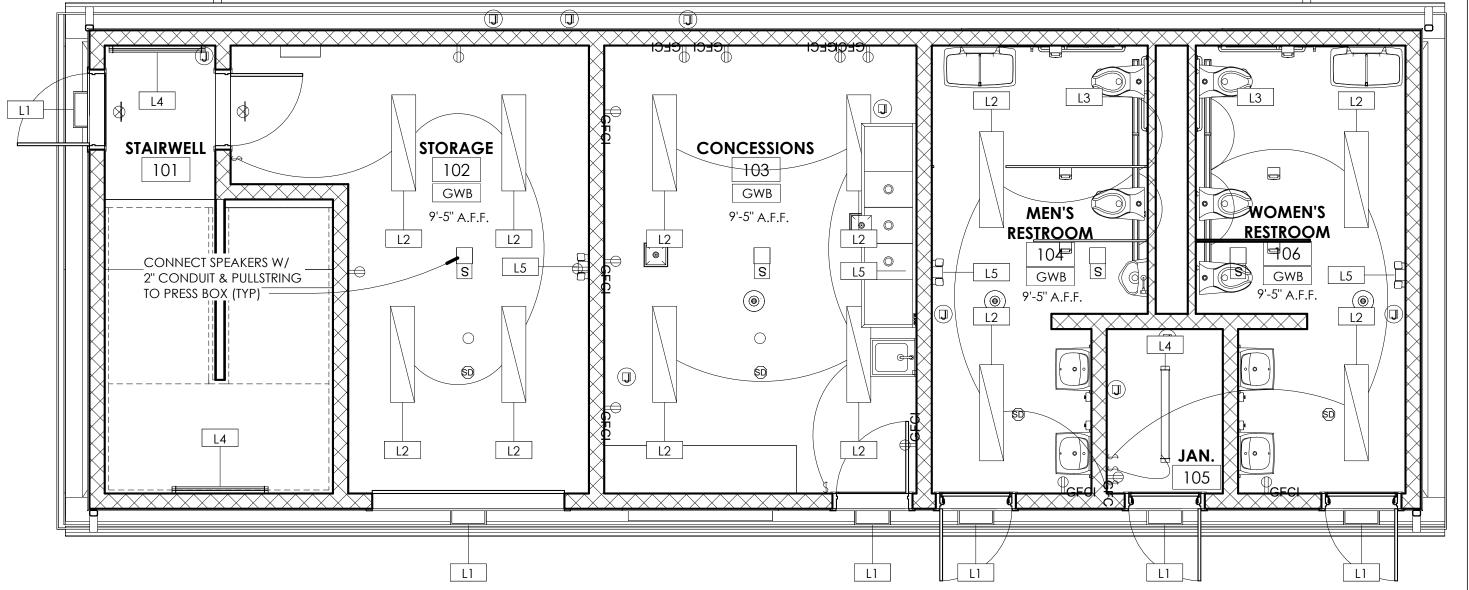
3 DOOR SIGNAGE



<u>WINDOW TYPES</u>



2ND FLOOR REFLECTED CEILING PLAN



1ST FLOOR REFLECTED CEILING PLAN



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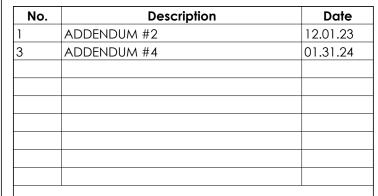
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NEW CONSTRUCTION LINWOOD SOCCER BUILDING

ALL WARS MEMORIAL PARK LINWOOD, NJ 08221

BID ISSUE

NOT FOR CONSTRUCTION



PROPOSED REFLECTED CEILING PLANS, SCHEDULES and DETAILS

As indicated Drawn by 09/01/23

ELECTRICAL NOTES

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.

29 Power

33 Power

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

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.

Branch Panel: P-1 Location: STORAGE 102 Volts: 120/208 Wye A.I.C. Rating: Supply From: Phases: 3 Mains Type: Mounting: Surface Mains Rating: 100 A Wires: 4 Enclosure: Type 1 MCB Rating: 300 A **Circuit Description** Trip Circuit Description 20 A | 1 | 540 VA | 180 VA 20 A Receptacle Receptacle Receptacle 180 VA 180 VA 20 A Receptacle 180 VA 180 VA 1 20 A 1 5 Receptacle 20 A Receptacle / Receptacle 20 A 1 180 VA 180 VA 20 A Receptacle 9 Receptacle 20 A 180 VA 540 VA 20 A Receptacle 720 VA 720 VA 1 20 A Receptacle 11 Receptacle 20 A 14 13 Power 20 A | 1 | 500 VA | 500 VA | 20 A Power 15 Power 20 A 500 VA 500 VA 20 A Power 17 Power 500 VA 500 VA 1 20 A Power 19 Power 20 A | 1 | 500 VA | 500 VA 20 A Power 20 A Lighting 256 VA 320 VA 1 20 A Lighting 23 Lighting 25 | Lighting 20 A | 1 | 0 VA | 0 VA 20 A | Lighting 27 Power 20 A 1 500 VA 500 VA 20 A Power

	Total 30 A	39 A	44 A		
Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel	Totals
Lighting	1280 VA	125.00%	1600 VA		
Power	6500 VA	125.00%	8125 VA	Total Conn. Load:	13182 VA
Receptacle	5460 VA	125.00%	6825 VA	Total Est. Demand:	16478 VA
				Total Conn. Current:	37 A
				Total Est. Demand	46 A

250 VA 685 VA

4504 VA

-- 250 VA 250 VA

Total Load: 3580 VA

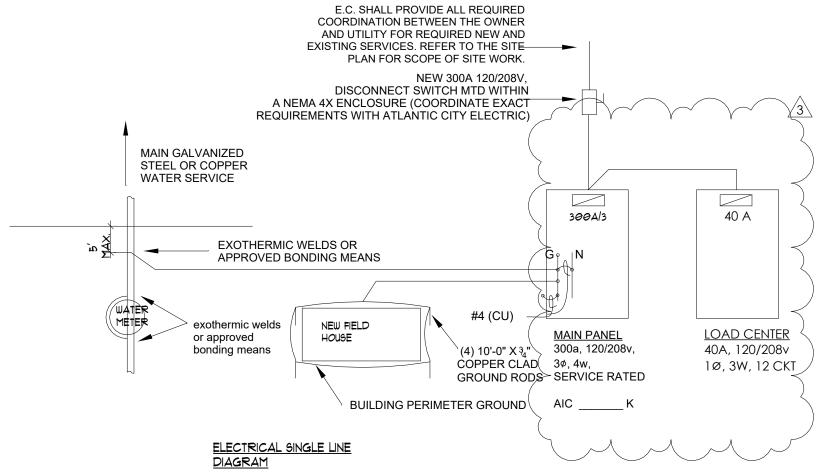
0 VA

250 VA 250 VA 2 20 A Power

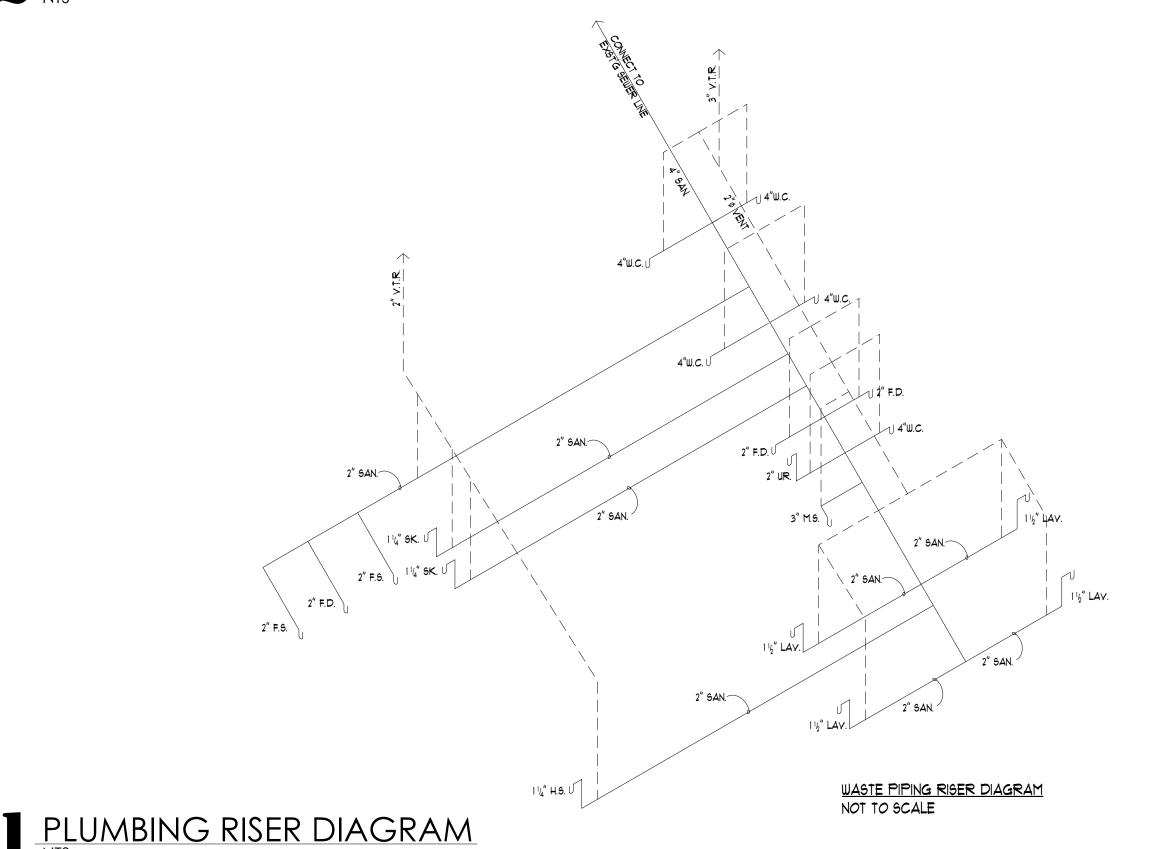
|250 VA | 1000... | -- | -- |--

| -- | \(\) -- \(\) |--

3 20 A P-2



2 ELECTRICAL SINGLE LINE 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 OWNER.
- 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.
- 3. GAS PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH IFGC 202 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.

EXHAUST FAN SCHEDULE MFGR SERVING MODEL NO CFM STATIC DRIVE TYPE RPM HP VOLTAGE NOTES INLINE GREENHECK MENS 1445 1/4 120/1 BSQ70 | 150 | .5 DIRECT | EF-2 | INLINE | GREENHECK | WOMENS | BSQ70 | 200 | .5 | DIRECT | 1577 | 1/4 | 120/1

PROVIDE COMBINATION DISCONNECT SWITCH, BACKDRAFT DAMPER, HANGING RODS AND VIBRATION ISOLATION KIT. & ADJUSTABLE PULLEYS AND SHEAVES

			UNIT HEATER	SCHEDULE		
UNIT	MFGR	MODEL	CFM	KW	VOLTAGE	NOTES
UH-1	QMARK	LFK151F	100	1500	120/1	
PPOVIDE EX	NI ONII V OPERA	TION STIDENCE	MOLINIT KIT TANA	PED PPOOF CO	\/ED	

PROVIDE FAN ONLY OPERATION, SURFACE MOUNT KIT, TAMPER-PROOF COVER, INTEGRAL DOUBLE POLE THERMOSTAT, & BUILT-IN DISCONNECT

HOT WATER HEATER SCHEDULE							
UNIT	MFGR	MODEL NO	CAPACITY	RECOVERY	WATTS	VOLTAGE	NOTES
HWH-1	BRADFORD WHITE	LE350S3-3	50 GAL	18 GAL	4500	208/1	

ADD/ALTERNATE #1

		SPLIT SYSTE	M A/C UNII	(INDOC	OR) SCHEDUL	.E		
UNIT	MFGR	SS MODEL	COOLING	HEATING	AIRFLOW RATE	VOLTAGE	MCA	FUSE
SSI-1	MITSUBISHI	PKA-A12LA	12,000	18,000	455	208/1	1	
SSI-2	MITSUBISHI	PKA-A12LA	12,000	18,000	455	208/1	1	
SSI-3	MITSUBISHI	PKA-A12LA	12,000	18,000	455	208/1	1	

SPLIT SYSTEM A/C UNIT (OUTDOOR) SCHEDULE							
Mark	MFGR	MODEL	COOLING	HEATING	VOLTAGE	MCA	NOTES
D-1	MITSUBISHI	PUZ-A12NKA7-BS	12,000	18,000	208/1	11	
D-2	MITSUBISHI	PUZ-A12NKA7-BS	12,000	18,000	208/1	11	

MITSUBISHI PUZ-A12NKA7-BS | 12,000 | 18,000 | 208/1 | 11

ADD/ALTERNATE #1

SSO-1

SSO-2

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.

KEY	DESCRIPTION	MANUFACTURER	MODEL	COLOR	CONNECTIONS			
					DCW	DHW	SS	PROF
wc	water closet	KOHLER	KINGSTON K-4325	WH	1"	**	4"	
	Roundinesso.	*	K-4731-GC-O					220
		SLOAN	SOLIS 8111-1.28	SS	**	***	***	**:
UR	urinal	KOHLER	BARDON K-4991-ET	WH	3/4"		2*	
	00000000	SLOAN	SOLIS 8186-1.0	SS	**	***		
LAV	lavatory	KOHLER	K-2084-N	WH	**	***		
			K-8998	0.0		1	1	l
		SLOAN	EBF-500	CP	1/2"	1/2"	1-1/4"	
MS	mop sink	FIAT	TSB3010	501	**			
	SOURCE AND AD	FIAT	830AA	CP	1/2"	1/2"	3"	220
HS	hand sink	ELKAY	EHS-18TSX	SS	3/8"	3/8"	1-1/4"	***
SK	3-comp sink		3C-18X-18-0X	SS			777	***
		*	LK940DS20L2H	SS	3/8"	3/8"	1-1/4"	
BC	baby changer	KOALA KARE	KB200-00	WH	**	**	-+	

ALL DOMESTIC WATER PIPING ABOVE CEILING AND IN WALLS! CHASE

PER NSPC 10.14.1, ALL WATER

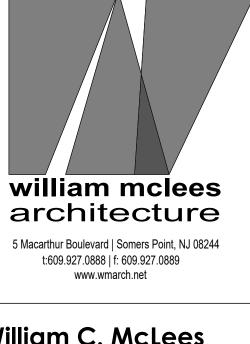
HAMMER ARRESTERS SHALL BE

BE TESTED IN ACCORDANCE WITH

455E 1*010* \$ PDI WH-2*0*1, TYP.

JR SMITH FIGURE 5005 THRU 5030 AS APPLICABLE \$ CERTIFIED TO

SHALL BE INSULATED W/ 2" INSULATION:



William C. McLees AIA, LEED AP

New Jersey State License Pennsylvania State License



AI 14054

RA403479

William McLees Architecture, LLC

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NEW CONSTRUCTION LINWOOD SOCCER BUILDING

ALL WARS MEMORIAL PARK LINWOOD, NJ 08221

BID ISSUE

NOT FOR CONSTRUCTION

No.	Description	Date
2	ADDENDUM #3	12.08.23
3	ADDENDUM #4	01.31.24

ELECTRICAL & SCHEDULES and DIAGRAMS

As indicated Drawn by

WATER PIPING RISER DIAGRAM

NOT TO SCALE

PLUMBING NOTES,

09/01/23

Comission no.

MECHANICAL NOTES

. 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.

5. 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 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**

ELECTRIC HEATERS

GRILLES AND DIFFUSERS DUCTWORK AND INSULATION

CONTROLS.

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

1. UNLESS OTHERWISE NOTED, ALL DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEET METAL, G90 GRADE PER SMACNA. ALL DUCTS CONSTRUCTED OF GALVANIZED STEEL SHEET METAL SHALL HAVE MINIMUM GAUGE THICKNESS AS FOLLOWS:

THROUGH 26 13 -_ OVER DIAMETER (IN.)

THROUGH 29 -

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

2.ALL DUCTWORK SHALL BE DESIGNED, CONSTRUCTED AND INSTALLED PER SMACNA STANDARDS.

3. DUCT SIZES SHOWN ON DRAWINGS ARE CLEAR DIMENSIONS

4. COORDINATE LOCATION OF DUCT WORK, PIPING, AND DIFFUSERS WITH ALL OTHER TRADES.

5.ALL DUCTWORK AND PIPING ABOVE CEILING AND IN AREAS WITHOUT CEILINGS SHALL BE INSTALLED AS HIGH AS POSSIBLE.

6. PROVIDE VOLUME DIAMETERS AT ALL DUCT BRANCHES AND RUNOUTS, PROVIDE OPPOSED BLADE VOLUME DAMPERS AT ALL REGISTERS, GRILLES, AND DIFFUSER NECKS IN SUPPLY, RETURN AND EXHAUST DUCTWORK WHETHER SHOWN ON DRAWINGS OR NOT.

7. PROVIDE AT MINIMUM 10 GAUGE STEEL SLEEVES FOR ALL DUCT PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS AND PARTITIONS. PROVIDE PIPE SLEEVES FOR ALL MECHANICAL PIPING PENETRATING THROUGH FIRE RATED WALLS, FLOORS, AND PARTITIONS, SEAL ALL ANNULAR SPACE BETWEEN SLEEVES AND DUCTWORK OR PIPING WITH A FIRE BARRIER MATERIAL EQUAL TO 3M "PENETRATING SEALING SYSTEM."

8. THE INSIDE DUCTWORK VISIBLE THROUGH A GRILLE OR DIFFUSER SHALL BE PAINTED FLAT BLACK.

9.THE MECHANICAL CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF MASONRY RETURN AIR OPENINGS AND RECESSED EQUIPMENT WITH THE GENERAL CONTRACTOR.

10. ALL RETURN AIR OPENINGS SHALL BE ABOVE CEILING UNLESS NOTED OTHERWISE. PROVIDE AND INSTALL WIRE MESH SCREENS ON ALL OPENINGS.

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

12. PROVIDE RETURN AIR OPENINGS AS REQUIRED. OPENING SHALL BE SIZED FOR REQUIRED CFM AT A VELOCITY NOT TO EXCEED 500 FEET PER MINUTE. PROVIDE LINTELS AS REQUIRED.

14.FLEXIBLE DUCTWORK <u>CONCEALED ABOVE CEILING</u> SHALL BE EQUAL TO THERMAFLEZ PRO SERIES G-KM INSULATED FLEXIBLE DUCT (R-VALUE=4.2) WITH POLYETHYLENE VAPOR BARRIER JACKETING. FLEXIBLE DUCT EXPOSED TO VIEW SHALL BE EQUAL TO THERMOFLEX M-KE INSULATED FLEXIBLE DUCTWORK WITH REINFORCING <u>METALLIZED</u> VAPOR BARRIER JACKETING. FLEX DUCT SHALL BE U.L. LISTED AND LABELED AS A CLASS 1 AIR DUCT, STANDARD 181. FLEX DUCT SHALL BE CONNECTED TO BRANCHES AND MAINS USING CONICAL FITTINGS AND SHALL NOT EXCEED 10'-0" IN LENGTH INCLUDING ONE ELBOW. FLEXIBLE DUCTWORK SHALL NOT BE USE AS RETURN AIR OR EXHAUST DUCTWORK.

15.ALL DUCTWORK SHALL BE DESIGNED, CONSTRUCTED AND INSTALLED PER SMANCA STANDARDS AND FOR PRESSURES OF 2" E.S.P. SEAL ALL LONGITUDINAL SEAMS AND TRANSVERSE JOINTS WITH THE FIRE-PROOF SEALANT FOR "AIR-TIGHT" APPLICATION.

16. PROVIDE TYPE "B, DYNAMIC FIRE DAMPERS IN DUCTS WHERE DUCT PENETRATES FIRE-RATED WALLS, FLOORS, CEILINGS, ETC. WHERE SHOWN ON DRAWINGS AND AS REQUIRED BY THE INTERNATIONAL MECHANICAL CODE 2015. FIRE DAMPERS SHALL COMPLY WITH REQUIREMENT OF UL 555. DAMPERS SHALL HAVE A MINIMUM OF 1.5 HOURS FOR PENETRATIONS OF LESS THAN 3-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 DOORS FOR ALL DAMPERS OR OTHER APPROVED MEANS OF ACCESS, 24"x24" LAY-IN MODULES UNLESS OTHERWISE NOTED.

17.DUCT SMOKE DETECTORS AND ASSOCIATED AUDIO/VISUAL DEVICES SHALL BE FURNISHED AND WIRED BY ELECTRICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO INSTALL ALL DUCT SMOKE DETECTORS AND INSTALL ALL REQUIRED CONTROL WIRING TO AUTOMATICALLY SHUT DOWN FANS AS OUTLINED IN SPECIFICATIONS.

18. DUCTWORK FOR DISHWASHER SHALL BE CONSTRUCTED OF STAINLESS STEEL. ALL SEAMS AND JOINTS ARE TO BE WELDED.

19. EXTERIOR LOUVERS ARE INDICATED FOR REFERENCE ONLY. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING ALL EXTERIOR LOUVERS.

20. COORDINATE ALL ROOF PENETRATIONS WITH WORK OF OTHER TRADES AND WITH FLASHING REQUIREMENTS.

DUCTWORK INSULATION

1. AL SHEET METAL SUPPLY AND RETURN AIR DUCTWORK SHALL BE WRAPPED WITH 1-1/2 " THICK 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.

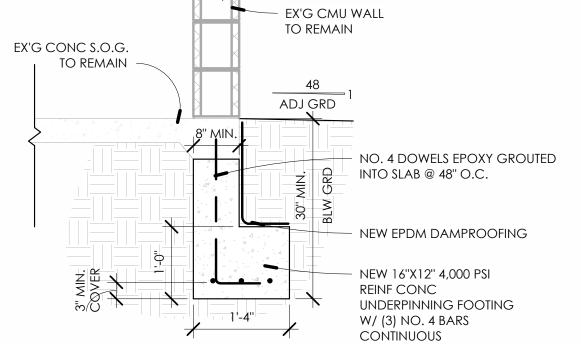
2. OUTDOOR AIR DUCTWORK BETWEEN OA INTAKE DEVICE AND UNIT SHALL BE WRAPPED WITH 2 THICK FIBERGLASS DUCT INSULATION HAVING AN INSTALLED R-VALUE OF 4.5, A THERMAL CONDUCTIVITY OF .27 AT MEAN TEMPERATURE OF 75 DEGREES F, AND A DENSITY OF 1.0 PCF. INSULATION SHALL BE JOHN-MANVILLE "MICROLITE" OR APPROVED EQUAL.

3.EXHAUST DUCTWORK SHALL BE UNINSULATED EXCEPT BETWEEN BACKDRAFT DAMPER AND ROOF CURB. EXHAUST DUCTWORK BETWEEN BACKDRAFT DAMPER AND CURB SHALL BE INSTALLED IN

THE SAME MANNER AS OUTDOOR AIR DUCTWORK. 4.INSULATION MUST BE FIRE-RATED FOR FLAME SPREAD OF 25 OR LESS AND SMOKE DEVELOPED

FOR 50 OR LESS.

5. INSHLATION TO BE APPLIED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. - EX'G CMU WALL TO REMAIN EX'G CONC S.O.G.



GRILLES, REGISTERS AND DIFFUSERS

1. ALL SIZES OF CEILING DIFFUSERS, EXHAUST GRILLES AND RETURN GRILLES SHOWN ON DRAWINGS

3. ALL CEILING DIFFUSERS SHALL HAVE OPPOSED BLADE DAMPERS.

4. ALL SIDEWALL MOUNTED SUPPLY GRILLES SHALL BE DOUBLE DEFLECTION UNLESS OTHERWISE NOTED.

5.ALL CEILING DIFFUSERS SHALL BE OF ALUMINUM CONSTRUCTION UNLESS OTHERWISE NOTED.

6. PROVIDE SQUARE TO ROUND ADAPTERS AS NECESSARY

CONDENSATE PIPING

1. PIPING SHALL BE RIGIDLY SUPPORTED AT INTERVALS OF NOT MORE THAN 10 FEET.

2.PROVIDE DIELECTRIC UNIONS IN PIPING WHERE DISSIMILAR METALS ARE JOINED TOGETHER.

3. THE SIZE OF ALL PIPING SHALL BE JOINED USING 95-5 TIN/ANTIMONY SOLDER.

4.ALL COOPER PIPING SHALL BE AS SHOWN IN THE DRAWINGS, OR NOT SHOWN, AS REQUIRED. 5. ALL CONDENSATE DRAIN LINES SHALL BE PIPED TO FULL SIZE OF THE UNITS DRAIN OUTLET AND

PROVIDED WITH A "P" TRAP SIZED AT MINIMUM TO EXCEED FAN STATIC PRESSURE. CONNECT CONDENSATE DRAINS TO PLUMBING AS INDICATED ON DRAWINGS.

6. CONDENSATE DRAINAGE: DWV COPPER TUBING, PITCHED DOWN A MINIMUM OF 1/8 "PER FOOT AWAY FROM UNIT.

7. INSULATION SHALL CARRY THROUGH ALL WALL AND FLOOR PENETRATIONS AND PIPE HANGERS. 8. PROVIDE GALVANIZED METAL SHIELDS FORMED TO FIT THE INSULATION BETWEEN HANGERS AND

9.INSULATE CONDENSATE PIPING WITH 1/2 "THICK "MICRO-LOK" AP INSULATION (PROVIDE ZESTON PVC FISTING COVERS.)

REFRIGERANT PIPING NOTES

FINISHED INSULATIONS.

1.REFRIGERANT PIPING SHALL BE TYPE "L" OR TYPE "ACR' HARD DRAWN COPPER WITH WROUGHT COPPER FITTINGS, JOINED USING 45% SILVER BRAZING SOLDER AND SILVER BRAZING FLUX.

2. PROVIDE LIQUID LINE REFRIGERANT SIGHT GLASS/MOISTURE INDICATOR.

3. PROVIDE LIQUID AND SUCTION LINE FILER/DYERS AS REQUIRED.

4. INSULATE REFRIGERANT SUCTION LINE WITH 1/2 "THICK ARAMAFLEX INSULATION.

5. CONDENSATE DRAIN PIPING SHALL BE DWV COPPER WITH WROUGHT COPPER FITTINGS, JOINED USING 95-5 TIN/ANTINOMY SOLDER.

6. ALL CONDENSATE DRAIN-LINES SHALL BE PIPED TO FULL SIZE-OF THE UNITS DRAINS, AND PROVIDED √WITH A "P" TŘAP AT MINIMUM TO EXCEED FAN STATIC PRESŠURE. CONNECT CONDENSATE DRÅINS TO PLUMBING LINES AS INDICATED ON DRAWINGS.

STRUCTURAL NOTES

WOOD FRAMING:

ALL STRUCTURAL FRAMING LUMBER SHALL BE FINGER JOINTED HEM FIR #2, DOUGLAS FIR-LARCH #2 OR BETTER.

LUMBER DESIGN IS BASED ON THE FOLLOWING:

EXTREME FIBER BENDING. .1000 PSI (SINGLE MEMBER USES) .1150 PSI (REPETITIVE MEMBER USES) MODULUS OF ELASTICITY. 1,400,000 PSI

PARALLEL STRAND LUMBER BEAMS (PSL) DESIGN IS BASED ON THE FOLLOWING: EXTREME FIBER BENDING.. .2800 PSI

MODULUS OF ELASTICITY. ..2,000,000 PSI HORIZONTAL SHEAR.. .285 PSI COMPRESSION PERPENDICULAR TO THE GRAIN...500 PSI

ALL BEAMS SHALL BE FLUSH FRAMED UNLESS SPECIFICALLY NOTED THUS "DROP"

FRAME ALL INTERIOR WALLS WITH 2X4 STUDS AT 16" O.C. UNLESS NOTED OTHERWISE.

STUDS AT EACH WINDOW MULLION UNLESS NOTED OTHERWISE. ALL POSTS MUST RUN CONTINUOUS TO EITHER BEAM SUPPORTS OR THE FOUNDATION.

NAILING OF ALL FRAMING SHALL BE IN ACCORDANCE WITH TABLE 2305.2 FASTENING SCHEDULE OF THE N.J. I.B.C.

FOLLOWS:

2X6 AT 16"O.C. WALL HEIGHT LESS THAN 13'-6" WALL HEIGHT LESS THAN 17'-6" 2X8 AT 16"O.C.

CONCRETE AND REINFORCING NOTES:

ALL CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI IN 28 DAYS UNLESS SPECIFICALLY NOTED OTHERWISE.

ALL CONCRETE SHALL BE REINFORCED AND ERECTED IN ACCORDANCE WITH THE BUILDING REGULATIONS FOR REINFORCED CONCRETE AS ADOPTED BY ACI 301 AND LOCAL CODES.

THIS WORK SHALL CONFORM TO ACI 301 STANDARD SPECIFICATIONS FOR REINFORCED CONCRETE.

ALL REINFORCING SHALL BE DEFORMED BARS INTERMEDIATE GRADE ASTM A615 GRADE 60. DETAILS OF REINFORCEMENT AND ACCESSORIES SHALL BE FABRICATED AND PROVIDED IN ACCORDANCE WITH THE MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES. BARS SHALL BE LAPPED A MINIMUM OVERLAP OF 36 BAR DIAMETERS AT SPLICES UNLESS INDICATED OTHERWISE. WELDED WIRE FABRIC (ASTM A185) SHEETS SHALL LAP 8" MIN. AT SPLICES.

MASONRY NOTES:

ALL STRUCTURAL MASONRY SHALL BE A MINIMUM COMPRESSIVE STRENGTH OF 1800 PSI AND SHALL BE MANUFACTURED USING LIGHTWEIGHT AGGREGATES.

ALL MORTAR SHALL BE TYPE 'S' MINIMUM, COLOR BY ARCHITECT.

ALL MASONRY WALLS SHALL BE REINFORCED WITH MINIMUM 9 GAGE TRUSSED WALL REINFORCING AT 16" O.C. VERTICAL, LAP AT ALL CORNERS AND INTERSECTIONS.

ALL BLOCK MASONRY IN BEARING WALL CONDITIONS SHALL BE MANUFACTURED, TESTED AND INSTALLED IN ACCORDANCE WITH THE SPECIFICATION FOR THE DESIGN AND CONSTRUCTION OF LOAD-BEARING CONCRETE MASONRY PUBLISHED BY THE NATIONAL CONCRETE MASONRY ASSOCIATION.

THE CONTRACTOR/INSTALLER SHALL BE RESPONSIBLE FOR BRACING OF ALL MASONRY WORK UNTIL BUILDING IS CLOSED IN AND COMPLETE.

DESIGN LOAD SCHEDULE:

AS GOVERNED BY THE 2021 N.J. I.B.C.

DEAD LOAD: WEIGHT OF ALL BUILDING COMPONENTS LIVE LOAD: COMMERCIAL 100 PSF = 40 PSF RESIDENTIAL SLEEPING AREAS 40 PSF ATTIC SPACES 20 PSF =

ROOF LOADS: LIVE 20 PSF ROOF EXPOSURE FACTOR SNOW IMPORTANCE FACTOR = 1.0

WIND LOADS: 125 MPH BASIC WIND SPEED (3-SECOND GUSTS) EXPOSURE CLASSIFICATION D WIND IMPORTANCE FACTOR =

AZEK BOARD & BATTEN SIDING ON

1/2" WD FURRING STRIPS @ 16" O.C.

PROVIDE UNDERPINNED FOOTING

ELECTRICAL DISTRIBUTION EQUIPMENT

IN THIS LOCATION TO REMAIN.

PROTECT DURING CONSTRUCTION.

@ PERIMETER WALL

AV = AA = 0.06HAZARD EXPOSURE GROUP II SOIL PROFILE TYPE S4 - COEFFICIENT = 2.0 PERFORMANCE CATEGORY B RESPONSE MODIFICATION FACTOR R = 4.5DEFLECTION AMPLIFICATION FACTOR CD = 4.0

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NEW CONSTRUCTION LINWOOD SOCCER BUILDING

ALL WARS MEMORIAL PARK LINWOOD, NJ 08221

BID ISSUE

NOT FOR CONSTRUCTION

NO.	Description	Dule
	ADDENDUM #2	12.01.23
	ADDENDUM #4	01.31.24

LIGHTING CONTROL

As indicated Drawn by 09/01/23

ARE MODEL SIZES, NECK SIZES ARE INDICATED WITH THE ABBREVIATION OF "NK."

2. ALL CEILING DIFFUSERS SHOWN ON DRAWINGS ARE 4-WAY UNLESS OTHERWISE NOTED.

HORIZONTAL SHEAR.. COMPRESSION PERPENDICULAR TO THE GRAIN...400 PSI

7. ALL CEILING DIFFUSERS SHALL BE 24 "x24" LAY-IN MODULES UNLESS OTHERWISE NOTED.

PREFABRICATED WOOD "I" BEAM JOISTS, COMPOSED OF LAMINATED TOP AND BOTTOM CHORDS AND PLYWOOD WEBS, MANUFACTURED BY TRUS-JOIST OR AN APPROVED EQUAL SHALL BE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH THE APPLICABLE N.J. I.B.C. AND A.I.T.C. STANDARDS TO SUPPORT THE LOADINGS AS SPECIFIED ON THE DRAWINGS AND CERTIFIED BY THE MANUFACTURER'S ENGINEER, LICENSED IN THE STATE OF NEW JERSEY. CERTIFIED SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL.

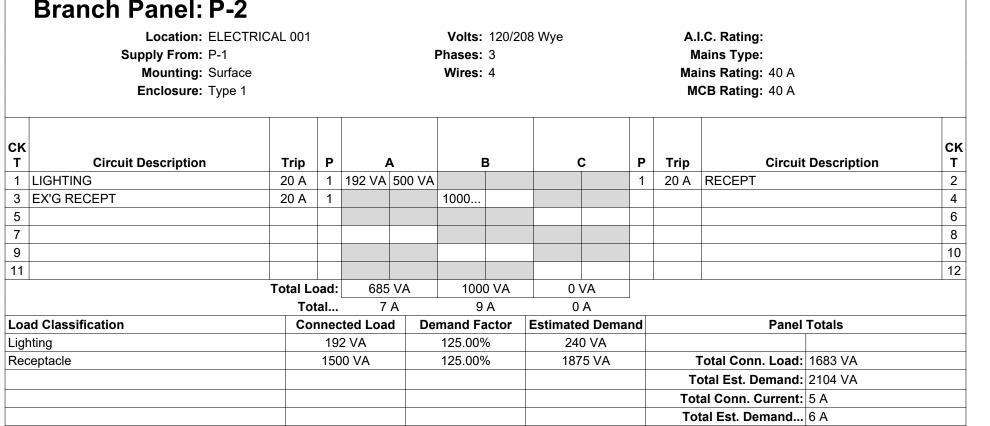
USE 31/2"X9 1/2" PSL HEADERS UNLESS NOTED OTHERWISE.

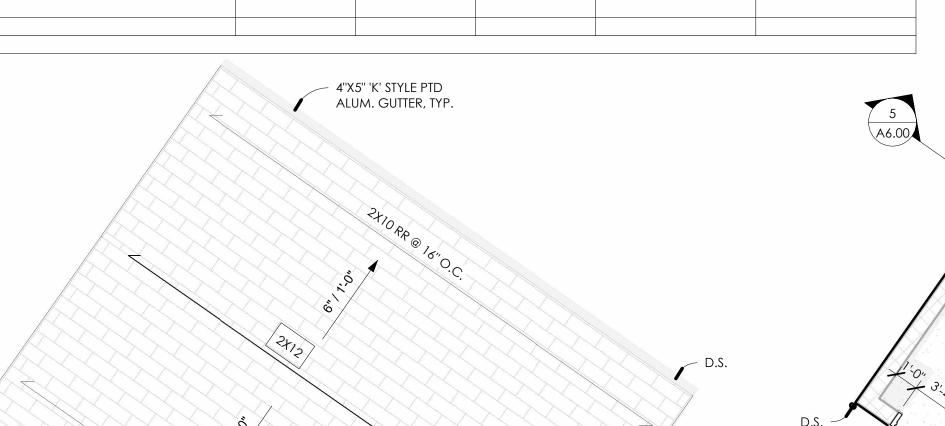
FRAME ALL EXTERIOR WALLS WITH 2X6 STUDS AT 16" O.C. UNLESS NOTED OTHERWISE.

ALL STUDS MUST RUN CONTINUOUS TO EITHER BEAM SUPPORTS OR THE FOUNDATION. PROVIDE A (3)2X STUDS MIN. AT EACH BEAM/HEADER BEARING LOCATION AND (2) 2X

INSTALL DOUBLE-JOISTS UNDER EACH PARTITION RUNNING PARALLEL TO THE JOIST SPAN.

STUD SIZE AND CORRESPONDING MAXIMUM EXTERIOR WALL HEIGHT SHALL BE AS 2X4 AT 16"O.C. WALL HEIGHT LESS THAN 8'-6"

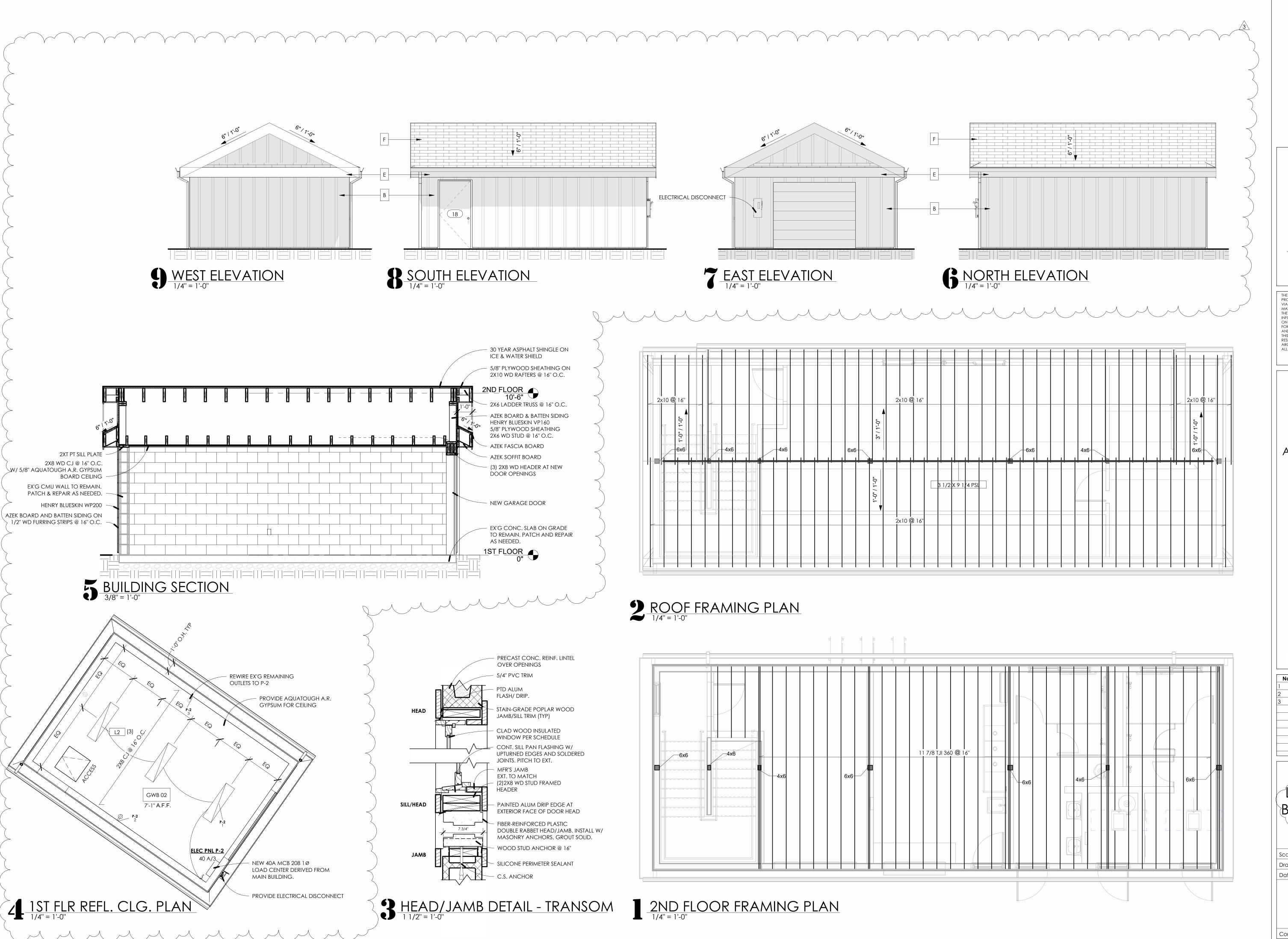


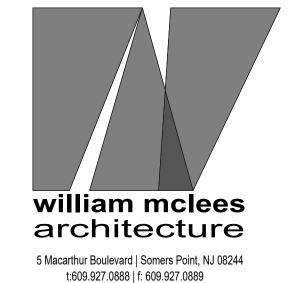


2X6 WD STUD FRAMING @ GABLE ENDS

ROOF PLAN - UTILITY

1/4" = 1'-0"





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Will Call

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NEW CONSTRUCTION
LINWOOD SOCCER
BUILDING

ALL WARS MEMORIAL PARK LINWOOD, NJ 08221

BID ISSUE

NOT FOR CONSTRUCTION

Description	Date
ADDENDUM #2	12.01.23
ADDENDUM #3	12.08.23
ADDENDUM #4	01.31.24
	ADDENDUM #2 ADDENDUM #3

FRAMING PLANS & LIGHTING CONTROL BUILDING DRAWINGS

Drawn by

JAS 09/01/23

As indicated

A6.00

ion no

210471