RENOVATION TO
HILL CLUBHOUSE
BOYS & GIRLS CLUB

SYMBOLS

SECTION TAG — 1 / A3.2 — DETAIL NUMBER / SHEET NUMBER

INTERIOR ELEVATION — 5 / 8 A8.8 6 / 7 — ELEVATION NUMBER / SHEET NUMBER

EXTERIOR ELEVATION — A2.8 6 — ELEVATION NUMBER / SHEET NUMBER

DETAIL TAG — 1 / A8.8

PARTITION/BULKHEAD TAG — P3 — (REFER TO A1.0 FOR TYPES)

ROOM TAG — OFFICE — ROOM NAME; B130 — ROOM NUMBER

CASEWORK TAG — 1235 / 3634 — BASIS OF DESIGN MODEL NUMBER (CUSTOM/MODIFIED CABINETS HAVE "M" SUFFIX); CABINET NOMINAL HEIGHT; CABINET WIDTH

WINDOW TAG — W13

CURTAIN WALL TAG — CW13

STOREFRONT TAG — AL13

INTERIOR WINDOW TAG — IW13

DOOR TAG — 2336A

ROOF TAG — A

NEW DOOR / **EXISTING DOOR**

EXISTING COL. LINE — 1 — OCTAGON; ITALIC TEXT

NEW COL. LINE — 1 — CIRCLE; STANDARD TEXT

HATCH PATTERNS

METAL STUD, BRICK, CONCRETE, CMU, EARTH, STEEL, RIGID INSULATION, BATT INSUL., ROUGH WOOD, GRAVEL, FINISHED WOOD, PLYWOOD

ABBREVIATIONS

(NOT ALL ABBREVIATIONS APPEAR IN PROJECT)

AC	AIR CONDITIONING
ACM	ALUMINUM COMPOSITE MATERIAL
ACOUST	ACOUSTICAL
ACT	ACOUSTIC CEILING TILE
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AGGR	AGGREGATE
ALT	ALTERNATE
ALUM	ALUMINUM
ANOD	ANODIZED
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ATTN	ATTENTION
AV	AUDIOVISUAL
BD	BOARD
BIT	BITUMINOUS
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
BO	BOTTOM OF
BOT	BOTTOM
BRG	BEARING
BSMNT	BASEMENT
CB	CEMENT BOARD
CBU	CEMENTITIOUS BACKER UNIT
CCTV	CLOSED CIRCUIT TELEVISION
CFS	COLD FORMED STEEL
CG	CORNER GUARD
CI	CAST IRON
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
COORD	COORDINATE
CORR	CORRIDOR
CPT	CARPET
CT	CERAMIC TILE
CTR	CENTER
CTSK	COUNTERSUNK
CW	COLD WATER
D	DEEP, DEPTH
DBL	DOUBLE
DEG	DEGREE
DEMO	DEMOLISH OR DEMOLITION
DEPT	DEPARTMENT
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIFF	DIFFUSER
DIM	DIMENSION
DIMS	DIMENSIONS
DIV	DIVISION
DMPF	DAMP PROOFING
DN	DOWN
DO	DOOR OPENING
DR	DOOR
DRN	DRAIN
DS	DOWNSPOUT
DTL	DETAIL
DW	DISHWASHER
DWG	DRAWING
E	EAST
EA	EACH
EC	ELECTRICAL CONTRACT(OR)
EJ	EXPANSION JOINT
EJC	EXPASNSION JOINT COVER
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSURE
ENG	ENGINEER

EP	ELECTRICAL PANEL
EPDM	ETHYLENE PROPYLENE DIENE M-CLASS
EQ	EQUAL
EQUIP	EQUIPMENT
ES	EACH SIDE
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FA	FIRE ALARM
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF&E	FURNITURE, FIXTURES AND EQUIPMENT
FFE	FINISH FLOOR ELEVATION
FIN	FINISH
FIXT	FIXTURE
FLR	FLOOR
FND	FOUNDATION
FO	FACE OF
FP	FIRE PROTECTION
FRC	FIBER REINFORCED CONCRETE
FRP	FIBER REINFORCED PLASTIC
FRT	FIRE RETARDANT TREATED
FRZ	FREEZER
FT	FEET/FOOT
FTG	FOOTING
FURN	FURNITURE
FURR	FURRING
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACT(OR)
GEN	GENERAL
GFRC	GLASS FIBER REINFORCED CONCRETE
GFRG	GLASS FIBER REINFORCED GYPSUM
GL	GLASS
GLAZ	GLAZING
GRD	GROUND
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
H	HIGH/HEIGHT
HC	HANDICAPPED
HDWD	HARDWOOD
HDWR	HARDWARE
HGT	HEIGHT
HM	HOLLOW METAL
HNDRL	HANDRAIL
HO	HOLD OPEN
HORIZ	HORIZONTAL
HR	HOUR
HSS	HOLLOW STRUCTURAL SECTION
HTG	HEATING
HVAC	HEATING VENTILATION AND AIR CONDITIONING
HW	HOT WATER
ID	INSIDE DIAMETER
IN	INCH/INCHES
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
INTERM	INTERMEDIATE
INV	INVERT
JAN	JANITOR
JST	JOIST
JT	JOINT
KIT	KITCHEN
LAM	LAMINATE
LAV	LAVATORY
LB	POUNDS
LGM	LIGHT GUAGE METAL
LLH	LONG LEG HORIZONTAL

LLV	LONG LEG VERTICAL
MAX	MAXIMUM
MECH	MECHANICAL
MED	MEDIUM
MEMBR	MEMBRANE
MFR	MANUFACTURER
MH	MAN HOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MR	MOISTURE RESISTANT
MTD	MOUNTED
MTG	MOUNTING
MTL	METAL
MULL	MULLION
MW	MICROWAVE
N	NORTH
NA	NOT APPLICABLE
NC	NOISE CRITERIA
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OC	ON CENTER
OD	OUTSIDE DIAMETER
OD	OVERFLOW DRAIN
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFF	OFFICE
OFOI	OWNER FURNISHED, OWNER INSTALLED
OH	OVERHEAD
OPNG	OPENING
OPP	OPPOSITE
ORD	OVERFLOW ROOF DRAIN
PBD	PARTICLE BOARD
PC	PRECAST OR PLUMBNG CONTRACT(OR)
PERF	PERFORATED
PERIM	PERIMETER
PERP	PERPENDICULAR
PL	PLATE
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PLF	POUNDS PER LINEAR FOOT
PLYWD	PLYWOOD
PNL	PANEL
PNT	PAINT OR PAINTED
PREFAB	PREFABRICATED
PROJ	PROJECT
PSF	POUNDS PER SQUARE FOOT
PT	PRESSURE TREATED
PTD	PAINTED
PVC	POLYVINYL CHLORIDE
QT	QUARRY TILE
QTY	QUANTITY
RA	RETURN AIR
RB	RESILIENT BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
RDL	ROOF DRAIN LEADER
REC	RECESSED
RECPT	RECEPTACLE
REF	REFERENCE
REF	REFRIFERATOR
REFR	REFRIGERATOR
REINF	REINFORCED REINFORCING
REQ	REQUIRE/REQUIRED
REV	REVISION/REVISED
RM	ROOM
RO	ROUGH OPENING
RTD	RATED
RTG	RATING
RWL	RAIN WATER LEADER
S	SOUTH
SA	SUPPLY AIR
SC	SOLID CORE
SD	STORM DRAIN
SECT	SECTION

SF	SQUARE FEET/FOOT
SHT	SHEET
SIM	SIMILAR
SM	SHEET METAL
SM	SURFACE MOUNTED
SPEC	SPECIFIED OR SPECIFICATION
SPK	SPRINKLER OR SPEAKER
SPKR	SPEAKER
SQ	SQUARE
SS	STAINLESS STEEL
STC	SOUND TRANSMISSION COEFFICIENT
STL	STEEL
STOR	STORAGE
STRG	STRINGER
STRUCT	STRUCTURE OR STRUCTURAL
SUSP	SUSPENDED
SYM	SYMMETRICAL
SYS	SYSTEM
T	TREAD
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TELE	TELEPHONE
TEMP	TEMPORARY
THK	THICKNESS
TKBD	TACK BOARD
TLT	TOILET
TMPD	TEMPERED
TO	TOP OF
TOB	TOP OF BEAM
TOC	TOP OF CONCRETE
TOS	TOP OF STEEL
TS	TUBE STEEL
TV	TELEVISION
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UON	UNLESS OTHERWISE NOTED
VAR	VARIES
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VR	VAPOR RETARDER
VT	VINYL TILE
VWC	VINYL WALL COVERING
W	WIDE/WEST
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WP	WATERPROOF/ WATERPROOFING
WPM	WATERPROOF MEMBRANE
WSCT	WAINSCOT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH

ARCHITECTURAL

CS1 COVER SHEET
A1.1 DEMOLITION PLAN, RENOVATION PLAN, REFLECTED CEILING PLAN, SCHEDULES
A8.1 ENLARGED PLANS, ACCESIBILITY DETAILS

PLUMBING

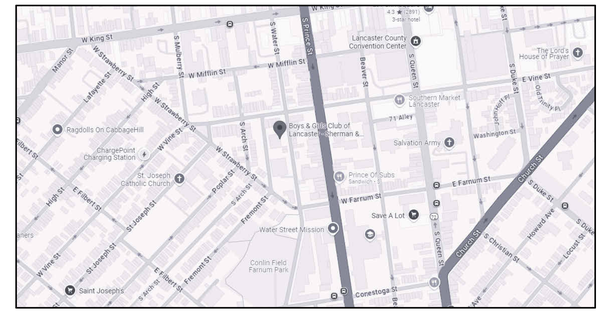
P0.1 PLUMBING NOTES & SCHEDULES
P1.1 PLUMBING PLANS

MECHANICAL

M0.1 HVAC NOTES & SCHEDULES
M1.1 HVAC PLANS

ELECTRICAL

E0.1 ELECTRICAL NOTES & SCHEDULES
E1.1 ELECTRICAL PLANS



LOCATION MAP

PROJECT SUMMARY

THE PROPOSED PROJECT IS AT THE EXISTING BOYS & GIRLS CLUB OF LANCASTER - SOUTHEAST CLUBHOUSE LOCATED AT 116 S WATER ST, LANCASTER, PA 17603

THE PROJECT CONSISTS OF RENOVATION OF THE EXISTING RESTROOMS. THE RENOVATIONS WILL INCLUDE NEW WALLS, DOORS, TOILET FIXTURES AND ACCESSORIES, AND FINISHES. PLUMBING, MECHANICAL, AND ELECTRICAL SCOPE WILL ALSO BE INCLUDED.

BUILDING CODE ANALYSIS:

PENNSYLVANIA UNIFORM CONSTRUCTION CODE (UCC):
INTERNATIONAL BUILDING CODE - 2018
INTERNATIONAL BUILDING CODE - 2018 CHAPTER 11
INTERNATIONAL EXISTING BUILDING CODE - 2018
INTERNATIONAL FIRE CODE - 2018
INTERNATIONAL PLUMBING CODE - 2018
INTERNATIONAL ENERGY CONSERVATION CODE - 2018
INTERNATIONAL MECHANICAL CODE - 2018
ICC A117.1 - 2012 ACCESSIBILITY CODE

PLUMBING CODE ANALYSIS:

INTERNATIONAL PLUMBING CODE - 2018

403.1.1 FIXTURE CALCULATIONS
TO DETERMINE THE OCCUPANT LOAD OF EACH SEX, THE TOTAL OCCUPANT LOAD SHALL BE DIVIDED IN HALF. TO DETERMINE THE REQUIRED NUMBER OF FIXTURES, THE FIXTURE RATIO OR RATIOS FOR FIXTURE TYPE SHALL BE APPLIED TO THE OCCUPANT LOAD OF EACH SEX IN ACCORDANCE WITH TABLE 403.1

2018 EXISTING INTERNATIONAL BUILDING CODE 810.1 MINIMUM FIXTURES:
WHERE THE OCCUPANT LOAD OF THE STORY IS INCREASED BY 20 PERCENT, PLUMBING FIXTURES FOR THE STORY SHALL BE PROVIDED IN QUANTITIES SPECIFIED IN THE INTERNATIONAL PLUMBING CODE BASED ON THE INCREASED OCCUPANT LOAD.

BUILDING REQUIREMENTS

EXISTING OCCUPANCY NO CHANGE

EXIST FIRST FLOOR PLUMBING FIXTURES:

WATER CLOSETS: 3
URINALS:1
LAVATORIES: 4

PROPOSED PLUMBING FIXTURES:

WATER CLOSETS: 4
LAVATORIES: 4

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CONSULTANT:

RENOVATION TO
HILL CLUBHOUSE
BOYS & GIRLS CLUB
116 S WATER ST, LANCASTER, PA 17603

ISSUE DATES

DATE:	DESCRIPTION:
10/01/2024	BID DOCUMENTS

PROJ # : 24-BGC-01 DRAWN BY : SAB

SHEET TITLE:

COVER SHEET

SHEET NUMBER:

CS1

BID

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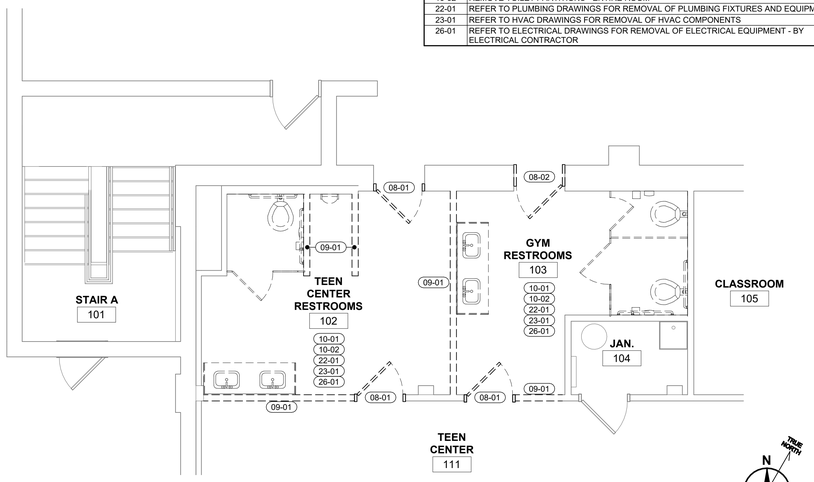
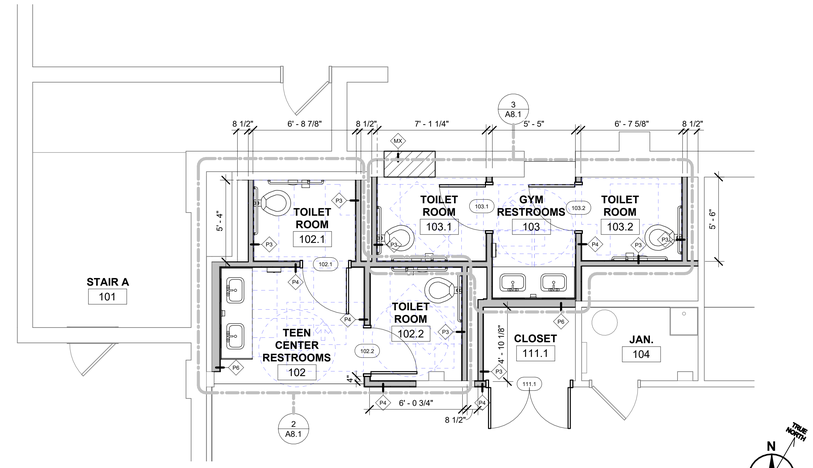
SPECIFIC DEMOLITION NOTES - SHEET AD1.1

08-01	REMOVE DOOR, HARDWARE AND FRAME
08-02	REMOVE DOOR, HARDWARE AND FRAME - EXISTING MASONRY OPENING TO REMAIN
09-01	REMOVE STUD WALL CONSTRUCTION - REFER TO ARCHITECTURAL DWGS FOR EXTENT.
10-01	REMOVE TOILET ACCESSORIES - ENTIRE ROOM, SALVAGE
10-02	REMOVE TOILET PARTITIONS - ENTIRE ROOM
22-01	REFER TO PLUMBING DRAWINGS FOR REMOVAL OF PLUMBING FIXTURES AND EQUIPMENT
23-01	REFER TO HVAC DRAWINGS FOR REMOVAL OF HVAC COMPONENTS
26-01	REFER TO ELECTRICAL DRAWINGS FOR REMOVAL OF ELECTRICAL EQUIPMENT - BY ELECTRICAL CONTRACTOR



6 A1.1 **FIRST FLOOR - DEMOLITION PLAN**
1/4" = 1'-0"



5 A1.1 **FIRST FLOOR - RENOVATION PLAN**
1/4" = 1'-0"

PARTITION TYPE SCHEDULE & NOTES

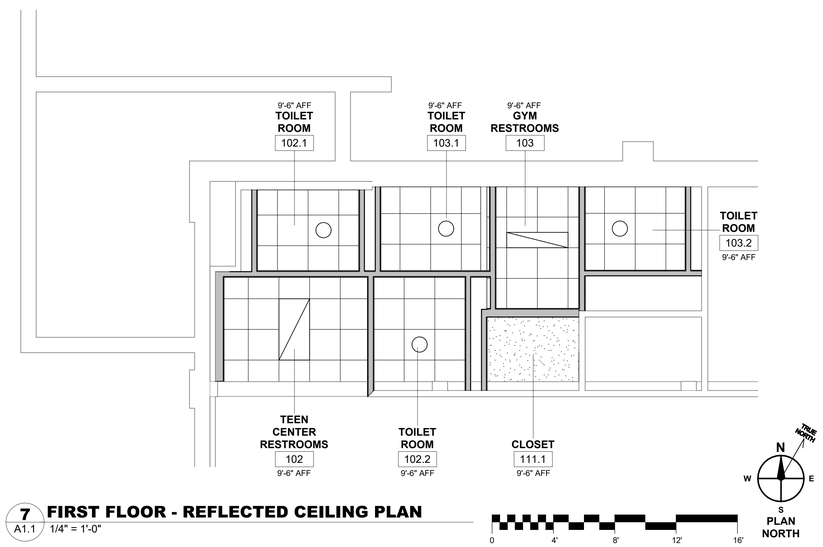
INTERIOR PARTITIONS

STUD PARTITIONS

P3	3 5/8" MTL. STUDS W/ ONE LAYER OF 5/8" GWB ON ONE SIDE, FILL W/ ACOUS. BATT INSUL. NOTE: (2) BACK-TO-BACK P3 WALLS: STC-50
P4	3 5/8" MTL. STUDS W/ 5/8" GWB E.S., FILL W/ ACOUS. BATT INSUL.
P6	6" MTL. STUDS W/ ONE LAYER OF 5/8" GWB ON ONE SIDE

WALL INFILLS

MX	C.M.U. INFILL TO MATCH EXISTING WALL THICKNESS. MATCH EXISTING FIRE-RATING, WHERE APPLICABLE.



7 A1.1 **FIRST FLOOR - REFLECTED CEILING PLAN**
1/4" = 1'-0"

GENERAL ACOUSTICAL CEILING INSTALLATION NOTES

1. THE CONTRACTOR SHALL FIELD CHECK THE PREMISES AND VERIFY THAT THE CEILING LAYOUT SHOWN ON THE DRAWINGS CAN BE ACCOMIDATED AND VERIFY ALL CLEARANCES AS REQUIRED FOR ALL LIGHTING FIXTURES, DUCT WORK, AND SPRINKLERS BEFORE PROCEEDING WITH ANY INSTALLATION. REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO PROCEEDING.
2. REVIEW CEILING LAYOUT WITH MEP COORDINATION DRAWINGS.
3. CEILING SHALL BE TRUE, FLAT, STRAIGHT AND REGULAR, PROVIDE STABILIZER BARS AS REQUIRED TO DISTRIBUTE LOAD EQUALLY OVER TWO OR MORE RUNNERS.
4. LEVEL CEILING TO BE WITHIN 1/8" IN 12 FEET IN ANY DIRECTION. LEVEL WITH HANGER WIRE TAUT AND PLUMB, WITHOUT KINKING OR BENDING HANGER WIRES.
5. INSTALL MAX. LENGTHS OF EDGE MOLDING AT INTERSECTION OF CEILING AND VERTICAL SURFACE. MITRE ALL CORNERS.
6. COORDINATE INSTALLATION WITH ELECTRICAL, MECHANICAL AND SPRINKLR REQUIREMENTS.
7. INSTALL CEILING TILE HOLD DOWN CLIPS IN ALL VESTIBULES, AIR LOCKS AND PARTITIONS WITH CUT CEILING TILES.
8. LAY DIRECTIONAL PATTERN UNITS IN SINGLE DIRECTION.
9. ALL FIXTURE TRIM (LIGHTING, SPEAKER, HVAC GRILLS, ETC.) SHALL BE METAL AND PAINTED TO MATCH ADJACENT CEILING FINISH. PLASTIC TRIM IS NOT ACCEPTABLE UNLESS APPROVED BY THE ARCHITECT.
10. REGULAR CEILING TILE TO BE CUT AND FITTED SNUG AGAINST PARTITIONS. DO NOT SHIM THE GRID TO ALLOW CEILING TILE TO PASS OVER TOP OF PARTITION.
11. FINAL GRID HEIGHTS AND LAY-OUT TO BE DETERMINED IN THE FIELD FOLLOWING COORDINATION.

GENERAL REFLECTED CEILING PLAN LEGEND AND NOTES:

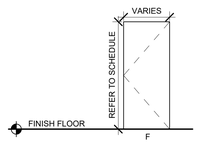
- INDICATES A LIGHTING FIXTURE, REFER TO ELECTRICAL DWGS.
- INDICATES A HVAC DIFFUSER, REFER TO MECHANICAL DWGS.
- INDICATES A EXHAUST FAN W/ LED LIGHT, REFER TO MEP DWGS.
- INDICATES CRITICAL ENVIRONMENT DIFFUSER, REFER TO MECHANICAL DWGS.
- INDICATES PYRAMID DIFFUSER, REFER TO FINISH SCHEDULE.
- INDICATES 2X4 A.C.T. CEILING, REFER TO FINISH SCHEDULE.
- INDICATES 2X2 A.C.T. CEILING, REFER TO FINISH SCHEDULE.
- INDICATES G.W.B. CEILING, REFER TO FINISH SCHEDULE.

NOTES:

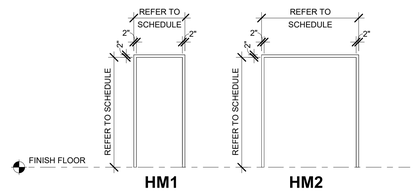
1.) REFER TO FINISH SCHEDULE FOR CEILING MATERIALS.
2.) REFER TO WALL AND BUILDING SECTIONS FOR INFORMATION RELATED TO SLOPED CEILINGS.
3.) ALL EXPOSED STRUCTURE IS TO BE PAINTED - COLOR SELECTION BY ARCHITECT.
4.) ALL EXPOSED EQUIPMENT IS TO BE PAINTED - COLOR SELECTION BY ARCHITECT. EXPOSED MECHANICAL, ELECTRICAL, PLUMBING AND ARCHITECTURAL TO BE PAINTED.

DOOR SCHEDULE

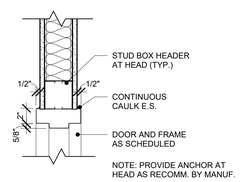
DOOR NUMBER	DOOR SIZE WIDTH LEAF 1	DOOR SIZE WIDTH LEAF 2	DOOR SIZE HEIGHT	DOOR TYPE	DOOR MATERIAL	FIRE RATING	FRAME FRAME TYPE	FRAME FRAME MATERIAL	FRAME HEAD	FRAME JAMB	COMMENTS
102.1	3' - 0"		7' - 0"	F	HM	-	HM1	HM	10/A1.1	11/A1.1	
102.2	3' - 0"		7' - 0"	F	HM	-	HM1	HM	10/A1.1	11/A1.1	
103.1	3' - 0"		7' - 0"	F	HM	-	HM1	HM	10/A1.1	11/A1.1	
103.2	3' - 0"		7' - 0"	F	HM	-	HM1	HM	10/A1.1	11/A1.1	
111.1	2' - 8"	2' - 8"	7' - 0"	F	HM	-	HM2	HM	10/A1.1	11/A1.1	



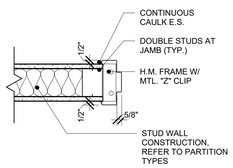
8 A1.1 **DOOR TYPES**
1/4" = 1'-0"



9 A1.1 **HOLLOW METAL FRAME TYPES**
1/4" = 1'-0"

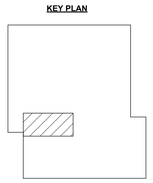


10 A1.1 **HEAD DETAIL**
1 1/2" = 1'-0"



11 A1.1 **JAMB DETAIL**
1 1/2" = 1'-0"

KEY PLAN



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CONSULTANT:

RENOVATION TO
HILL CLUBHOUSE

BOYS & GIRLS CLUB
116 S WATER ST, LANCASTER, PA 17603

ISSUE DATES

DATE:	DESCRIPTION:
10/01/2024	BID DOCUMENTS

PROJ # : 24-BGC-01 DRAWN BY : SAB

SHEET TITLE:
DEMOLITION PLAN, RENOVATION PLAN, REFLECTED CEILING PLAN, SCHEDULES

SHEET NUMBER:
A1.1

BID

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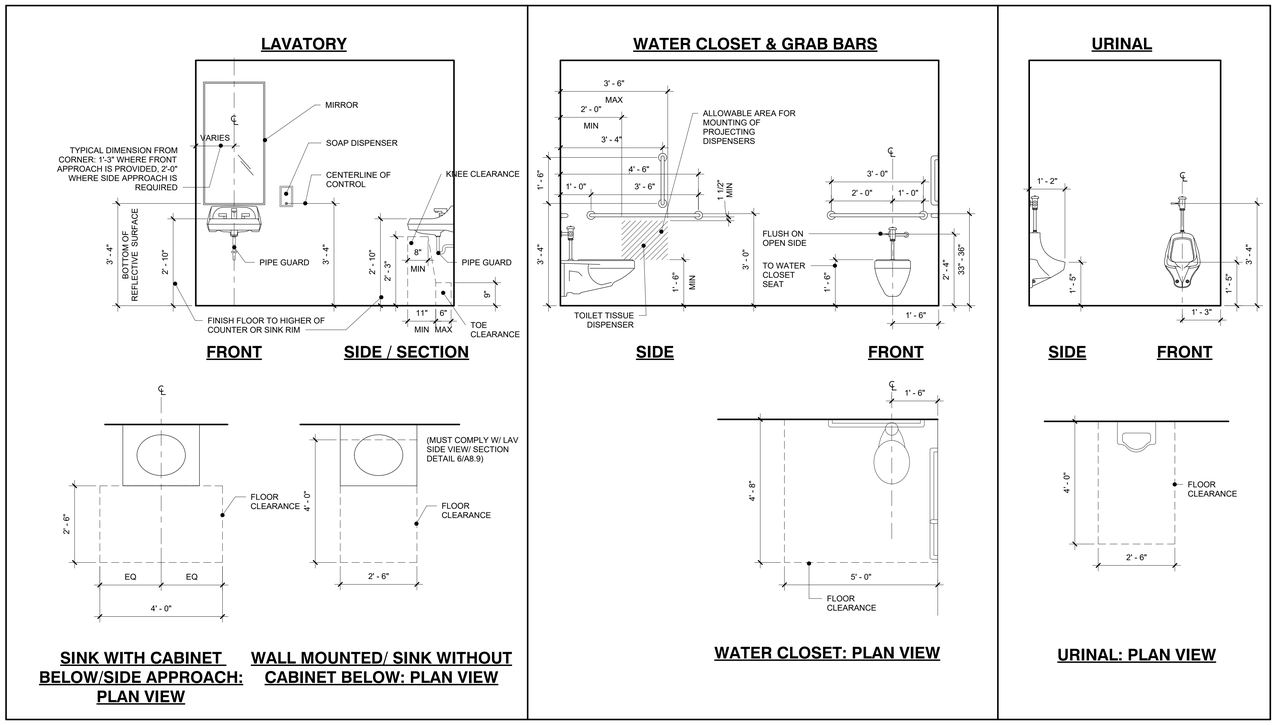
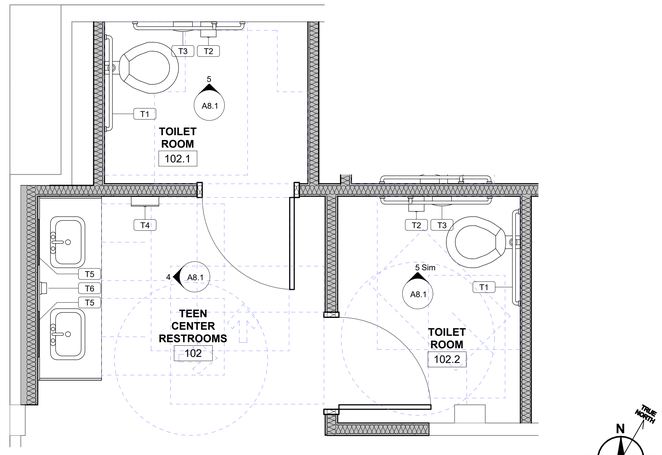
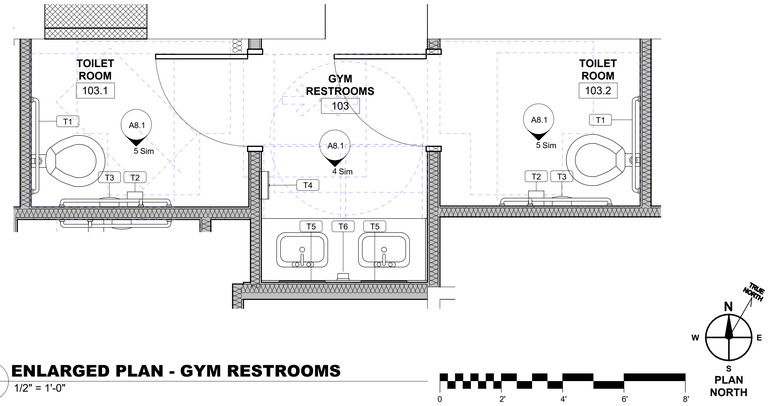


1 A8.1 **ACCESIBILITY DETAILS - ADULT**
1/2" = 1'-0"

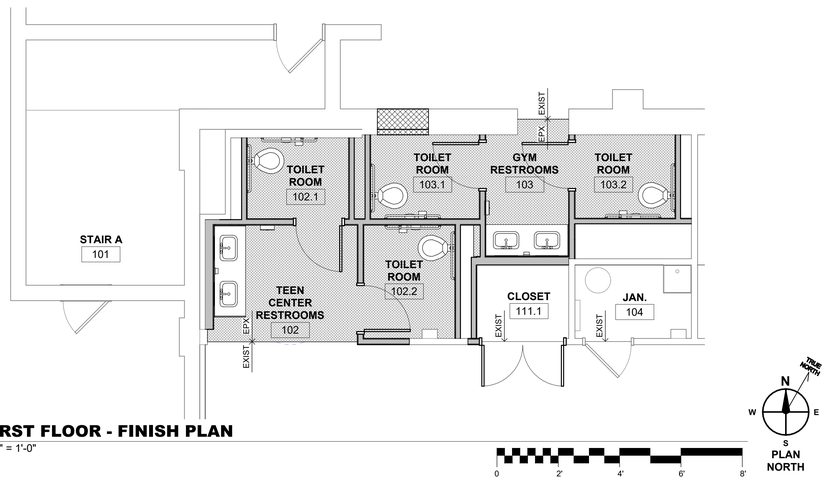
TOILET ACCESSORY SCHEDULE		
Type Mark	Description	Comments
T1	Grab Bar Set - Water Closet	
T2	Surface-Mounted Multi-Roll Toilet Tissue Dispenser	
T3	Surface-Mounted Sanitary Napkin Disposal	
T4	Bobrick B-262 Classic Series Surface Mounted Paper Towel Dispenser	
T5	Bobrick B-165 1836 Channel Frame Mirror	
T6	Surface Mounted Soap Dispenser, Bobrick - B2111	



2 A8.1 **ENLARGED PLAN - TEEN CENTER RESTROOMS**
1/2" = 1'-0"



3 A8.1 **ENLARGED PLAN - GYM RESTROOMS**
1/2" = 1'-0"



6 A8.1 **FIRST FLOOR - FINISH PLAN**
1/4" = 1'-0"

FINISH LEGEND

FLOOR FINISHES

EPX
DUREX DYMAFLAKE, COLOR: TBD

EXIST
EXISTING FLOORING TO REMAIN

WALL FINISHES

WP
WALL PROTECTION PANELS, ACROVYN SELECTED FROM MANUFACTURER'S FULL RANGE

BASE FINISHES

RB
TARKETT JOHNSONITE 4" RUBBER COVE BASE; COLORS 1-4 TBD

EPX
EPOXY BASE

CEILING FINISHES

ACT
ACOUSTIC CEILING TILE; REFER TO SPECIFICATION FOR PRODUCT TYPES AND SPECIFIC LOCATIONS.

GWB
NEW DRYWALL CEILING; PAINTED

PAINT

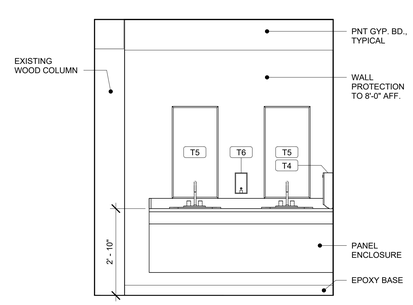
PNT-1
COLOR TO MATCH EXISTING WALL PAINT

PNT-2
SHERWIN WILLIAMS, TRIM PAINT
COLOR: TBD

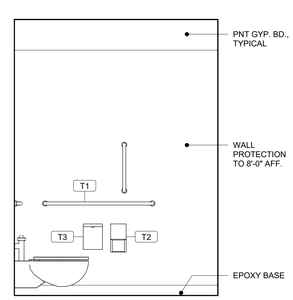
PNT-3
SHERWIN WILLIAMS, CEILING PAINT
COLOR: TBD

ROOM FINISH SCHEDULE

NUMBER	NAME	FLOOR FINISH	SUB-FLR	BASE	WALL FINISH N	WALL FINISH E	WALL FINISH S	WALL FINISH W	Ceiling Finish	Casework	COMMENTS
101	STAIR A	---	WOOD	---	---	---	---	---	---	---	NO WORK
102	TEEN CENTER RESTROOMS	EPX	WOOD	EPX	WP/ PNT	WP/ PNT	---	WP/ PNT	ACT	SS-1	
102.1	TOILET ROOM	EPX	WOOD	EPX	WP/ PNT	WP/ PNT	WP/ PNT	WP/ PNT	ACT	---	
102.2	TOILET ROOM	EPX	WOOD	EPX	WP/ PNT	WP/ PNT	WP/ PNT	WP/ PNT	ACT	---	
103	GYM RESTROOMS	EPX	WOOD	EPX	WP/ PNT	WP/ PNT	WP/ PNT	WP/ PNT	ACT	SS-1	
103.1	TOILET ROOM	EPX	WOOD	EPX	WP/ PNT	WP/ PNT	WP/ PNT	WP/ PNT	ACT	---	
103.2	TOILET ROOM	EPX	WOOD	EPX	WP/ PNT	WP/ PNT	WP/ PNT	WP/ PNT	ACT	---	
104	JAN.	---	---	---	---	---	---	---	---	---	NO WORK
111.1	CLOSET	EXIST	WOOD	RB	PNT	PNT	PNT	PNT	GWB	---	



4 A8.1 **INTERIOR ELEVATION**
1/2" = 1'-0"



5 A8.1 **INTERIOR ELEVATION**
1/2" = 1'-0"

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CONSULTANT:

RENOVATION TO
HILL CLUBHOUSE
BOYS & GIRLS CLUB
116 S WATER ST, LANCASTER, PA 17603

ISSUE DATES
DATE: DESCRIPTION:

PROJ # : 24-BGC-01 DRAWN BY : SAB

SHEET TITLE:
ENLARGED PLANS, ACCESIBILITY DETAILS

SHEET NUMBER:
A8.1

BID

10/1/2024 11:29:08 AM

PLUMBING NOTES:

1. IT IS THE INTENTION OF THE DRAWINGS TO CALL FOR FINISHED WORK, TESTED AND READY FOR OPERATION. ANY APPARATUS, APPLIANCE, MATERIAL OR WORK NOT INDICATED ON THE DRAWINGS OR ANY INCIDENTAL ACCESSORIES REQUIRED TO MAKE THE WORK COMPLETE TO ALL RESPECTS AND READY FOR OPERATION SHALL BE FURNISHED, DELIVERED AND INSTALLED WITHOUT ADDITIONAL EXPENSE OR TIME TO THE PROJECT.
2. EACH CONTRACTOR SHALL PROVIDE OPENINGS THROUGH THE CONSTRUCTION AND SLEEVES AS REQUIRED FOR CONTRACTOR'S WORK. ANY PIPING OR CONDUIT PASSING THROUGH MASONRY OR CONCRETE WALLS OR FLOORS SHALL BE PROVIDED WITH SLEEVES AS PER SPECIFICATIONS, FILL THE ANNULAR VOIDS AS PER THE SPECIFICATIONS.
3. TAKE PRECAUTION AGAINST DAMAGE TO ANY EXISTING UTILITIES, AND CONSTRUCTION NOT INCLUDED WITHIN THE SCOPE OF WORK.
4. THE DRAWINGS ARE DIAGRAMATIC AND INDICATE THE GENERAL ARRANGEMENT OF THE VARIOUS SYSTEMS AND WORK INDICATED IN THE CONTRACT. THE RIGHT IS RESERVED TO MAKE MINOR CHANGES IN LOCATIONS UP TO THE POINT OF ROUGH-IN WITHOUT ADDITIONAL CHARGE TO THE OWNER OR SCHEDULE EXTENSION.
5. ALL WORK DESCRIBED IN THESE DOCUMENTS SHALL COMPLY WITH ALL RELEVANT CODES.
6. MAINTAIN THE INTEGRITY OF ALL EXISTING PIPING SYSTEMS. PRIOR TO CONNECTING NEW WORK TO ANY EXISTING SYSTEM, CONFIRM SYSTEM IDENTIFICATION AND DIRECTION OF FLOW. VERIFY THAT EXISTING PIPING IDENTIFICATION LABELS ARE CORRECT, AND PROVIDE ALL INSTALLATION REQUIREMENTS FOR PROPER CONNECTION TO THE EXISTING SYSTEM.
7. PROVIDE ALL NECESSARY TEMPORARY OR PERMANENT CAPS OR PLUGS FOR PIPING. DO NOT LEAVE PIPING OPEN ENDED.
8. PRIOR TO STARTING CONSTRUCTION, DETERMINE EXACT INVERT ELEVATIONS, SIZE, DEPTH AND LOCATION OF ALL EXISTING UTILITIES WHERE CONNECTIONS ARE TO BE MADE OR INTERSECTIONS OCCUR. WORK BACK TOWARD FIXTURE FROM UTILITY CONNECTION FOR ALL PIPING SYSTEMS.
9. PROVIDE THREE (3) ELBOW SWING JOINTS FOR ALL HOT WATER BRANCH CONNECTIONS TO THE MAIN.
10. INSTALL ALL SHOCK ABSORBERS IN ACCORDANCE WITH THE LATEST "PLUMBING AND DRAINAGE INSTITUTE" STANDARDS FOR WATER HAMMER ARRESTORS.
11. LOCATE ACCESS PANELS IN NON ACCESSIBLE CEILINGS AND WALLS FOR ALL VALVES, SHOCK ABSORBERS, CLEANOUTS AND ALL OTHER ITEMS THAT REQUIRE ACCESS TO PROPERLY MAINTAIN OR SERVICE THE BUILDING. COORDINATE ALL FINAL LOCATIONS WITH ENGINEER PRIOR TO INSTALLATION. FAILURE TO DO SO MAY CAUSE A RELOCATION OF FIXTURE AND ACCESS PANELS WITHOUT ADDITIONAL EXPENSE OR TIME TO THE PROJECT.
12. SANITARY AND VENT PIPING SHALL BE PVC. DOMESTIC WATER SHALL BE TYPE L COPPER TO MATCH THE EXISTING PIPING.
13. COORDINATE ALL SANITARY AND VENT PIPING WITH MECHANICAL DUCTWORK AND ELECTRICAL LIGHTING.
14. ALL SANITARY PIPING SHALL BE PVC, 3" OR LARGER TO SLOPE AT 1/8" PER FOOT MINIMUM, PIPING SMALLER TO SLOPE AT 1/4" PER FOOT MINIMUM UNLESS OTHERWISE NOTED.
15. ALL SANITARY PIPING TO RUN BELOW FLOOR, ALL VENT PIPING TO RUN ABOVE CEILING UNLESS OTHERWISE NOTED.
16. ALL PIPE PENETRATIONS TO HAVE FIRE RATED SLEEVE AND PACKAGING.
17. MINIMUM INVERT FOR SANITARY STACKS BELOW FIRST FLOOR TO BE 1'-6" UNLESS OTHERWISE NOTED.
18. FOR TRAP PRIMING OF ALL FLOOR DRAINS, PROVIDE PROSET SYSTEMS INC, TRAP GUARD, AS AN ADDED ALTERNATE, TO PROSET, ZURN TRAP PRIMER Z-1022, OR SIMILAR PRODUCT MAY BE SPECIFIED.
19. PROVIDE ACCESSIBLE CLEANOUTS AT THE BASE OF ALL SANITARY STACKS.
20. PLUMBING CONTRACTOR SHALL COORDINATE HIS WORK WITH WORK OF ALL OTHER CONTRACTORS PRIOR TO START OF PLUMBING SYSTEM INSTALLATION.
21. FOR MOUNTNG HEIGHTS OF ALL PLUMBING FIXTURES, SEE ARCHITECTURAL DRAWINGS.
22. INSULATE COLD WATER MAINS AND RISERS WITH $\frac{1}{2}$" FIBERGLASS INSULATION. INSULATE HOT WATER MAINS AND RISERS WITH 1" FIBERGLASS INSULATION.
23. ALL SHUT-OFFS VALVES TO BE OPEN PORT VALVES PER IPC 601.1.
24. WATER TEMPERATURE AT PUBLIC HAND WASHING FACILITIES SHALL BE CONTROLLED BY AN ASSE 1070 MIXING VALVE.
25. SEE PLUMBING SCHEDULES FOR CONNECTION SIZES AND LOADS.
26. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL HANDI-CAP FIXTURES. MOUNT THESE FIXTURES IN ACCORDANCE WITH THE STATE ADOPTED BARRIER FREE SUBCODE WITH RESPECT TO SUCH ASPECTS AS MOUNTING HEIGHT, DISTANCE FROM GRAB BARS, LOCATION OF HAND CONTROLS, CLEARANCES, ETC.
27. PROVIDE INDIVIDUAL SHUT-OFF VALVES AT ALL WATER CONNECTIONS TO FIXTURES AND EQUIPMENT.
28. INSTALL ALL PIPING WITHIN THE BUILDING INSULATED ENVELOPE TO PREVENT FREEZING.
29. THE PLUMBING CONTRACTOR SHALL INSTALL PIPING SO AS NOT TO ENCROACH ON REQUIRED CLEARANCES ABOVE ANY ELECTRIC PANEL/SWITCHBOARDS. NO PIPING SHALL BE INSTALLED DIRECTLY OVER ELECTRICAL PANELS AND NO PIPING SHALL BE INSTALLED WITH THE BOTTOM AT LESS THAN 6'-6" ABOVE THE WORKING SPACE IN FRONT OF ANY ELECTRIC PANELS/SWITCHBOARDS.
30. THE PLUMBING CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS TO ALL FIXTURES AND EQUIPMENT UNLESS OTHERWISE NOTED.
31. ALL VENT PIPING SHALL BE SLOPED TO DRAIN BACK TO THE DRAINAGE SYSTEM.
32. ALL MATERIAL, EQUIPMENT AND ACCESSORIES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS. COORDINATE EXACT LOCATIONS TO ACCOMMODATE ALL REQUIRED CLEARANCES AND OBSERVE ALL REQUIREMENTS FOR VALVING AND CONNECTIONS.
33. SEE PLUMBING SCHEDULE FOR BRANCH MINIMUM PIPE BRANCH SIZES.
34. BEFORE ORDERING NEW FIXTURES VERIFY THAT THERE IS ENOUGH AVAILABLE WATER PRESSURE AND GPM FOR PROPER USE.
35. FOLLOW ALL PLUMBING REQUIREMENTS SET FORTH BY THE 2018 INTERNATIONAL PLUMBING CODE.
36. THE CONTRACTOR SHALL GUARANTEE MATERIALS AND WORKMANSHIP FREE OF DEFECT FOR ONE YEAR AFTER DATE OF ACCEPTANCE BY THE OWNER. REPLACE ALL DEFLECTIVE PIPING AND VALVES AS REQUIRED WHEN MODIFYING PIPING.
37. THE CONTRACTOR SHALL USE THE SCHEDULED PLUMBING FIXTURES LISTED OR AN OWNER APPROVED EQUIVALENT. THE CONTRACTOR SHALL SUBMIT FIXTURES FOR REVIEW AND APPROVAL BEFORE PLACING ANY ORDERS.
38. WATER LINES TO BE FLUSHED AND BACTERIA TESTED UPON COMPLETION.

PLUMBING:

SYMBOL	DESCRIPTION
	WALL HYDRANT
CW	COLD WATER SUPPLY PIPING
HW	HOT WATER SUPPLY PIPING
CO/WCO	CLEAN OUT/WCO
FD	FLOOR DRAIN
WH	WALL HYDRANT
W	SANITARY WASTE
V	VENT
UTR	UP THRU ROOF
FCO	FLOOR CLEANOUT
	CHECK VALVE
	SHUT OFF VALVE
	GAS PRESSURE REGULATOR

SANITARY PLUMBING SYMBOL SCHEDULE

	BELOW SLAB SEWER PIPING
	ABOVE SLAB SEWER PIPING
	SANITARY VENT PIPING
	CONNECTION TO EXISTING

DOMESTIC WATER PLUMBING SYMBOL SCHEDULE

	DOMESTIC COLD WATER PIPING
	DOMESTIC HOT WATER PIPING
	FILTERED COLD WATER PIPING
	CONNECTION TO EXISTING
	CHECK VALVE
	BALL VALVE

GAS PLUMBING SYMBOL SCHEDULE

	GAS PIPING
	CONNECTION TO EXISTING
	GAS VALVE
	GAS REGULATOR

PLUMBING FIXTURE SCHEDULE

TAG	QNTY	DESCRIPTION	MANUF.	MODEL	SAN.	VENT	CW	HW	NOTES
WC	1	WATER CLOSET WALL MOUNTED (ADA)	AMERICAN STANDARD	2294.011EC	3"	2"	1"	-	PROVIDE W/ MOUNTED HARDWARE, MATCHING SLOAN PROVIDE TOUCHLESS BATTERY FLUSHOMETER

NOTES:
1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING HEIGHT OF ALL FIXUTES AND LOCATIONS OF ADA FIXTURES.
2. AN APPROVED EQUAL MAY BE USED FOR ALL FIXTURES SPECIFIED IF QUALIFIED IN BID.
3. CONTRACTOR SHALL PROVIDE AND INSTALL WATTS, ZERN, P.P.P.INC. (OR EQUAL) TRAP SEALS TO SERVE ALL FLOOR DRAINS REQUIRING PROTECTION PER CODE.
4. LAVATORY & KITCHEN SINKS ARE TO BE PROVIDED WITH ASSE 1070 RATED MIXING VALVES TO LIMIT WATER TEMP TO 110 DEGREES
5. FLOOR DRAINS SHALL BE PROVIDE WITH GREEN DRAIN TRAP SEAL. SERIES INLINE FLOOR DRAIN TRAP SEAL WITH UV RESISTANT ABS PLASTIC FRAME, SILICONE RUBBER SEALING FLAPPER AND FOUR FLEXIBLE SEALING RIBS. TESTED AND CERTIFIED TO THE ASSE 1072 STANDARD AND LISTED WITH IAPMO AND I.C.C. SPECIFY CONNECTION SIZE. OR APPROVED EQUAL
6. PLUMBING CONTRACTOR SHALL REVIEW AND COORDINATE PLUMBING FIXTURES AND CONNECTION SIZES AND MAKE ANY NECESSARY CHANGES. PLUMBING CONTRACTOR IS RESPONSIBLE FOR COORDINATING ARE FIXTURES AND THEIR CONNECTION SIZES.
7. SUBMIT PLUMBING FIXTURE CUTS TO THE OWNER FOR REVIEW AND APPROVAL BEFORE ORDERING ANY FIXTURES. FIXTURES LISTED ARE PLACE HOLDERS AND NOT FINAL SELECTIONS.
8. VERIFY PLUMBING FIXTURE QUANTITIES.
9. MATCH NEW TO EXISTING FIXTURES AS BEST POSSIBLE.

SEAL

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REGISTERED PROFESSIONAL ENGINEER
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DRAWN BY: DTP	DATE: 09-30-24
CHECKED BY: DTP	SCALE: AS NOTED

NUMBER: 2024-002

SHEET NAME: PLUMBING NOTES & SCHEDULES

SHEET NUMBER

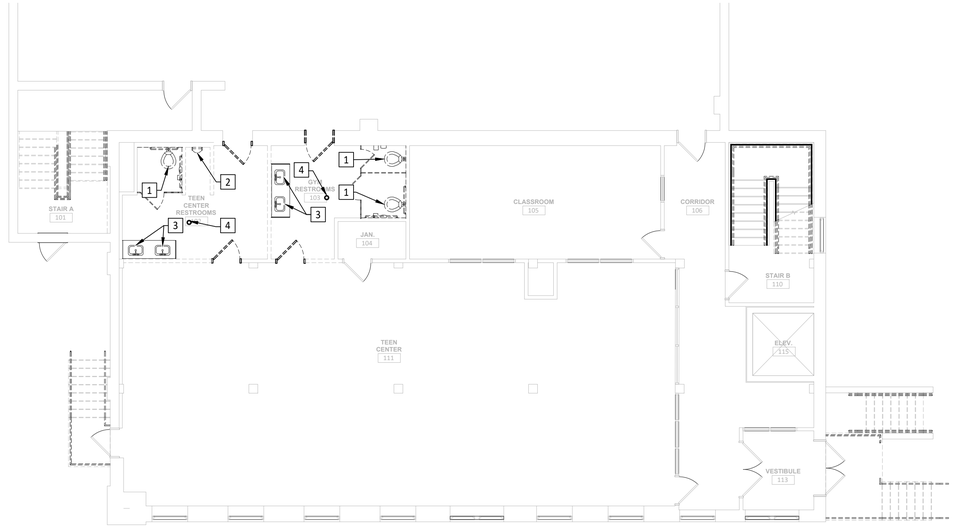
P0.1

GENERAL NOTES

1. BEFORE COMMENCING ANY WORK SURVEY THE EXISTING PLUMBING SYSTEMS TO VERIFY SIZES AND LOCATIONS. VERIFY ACCURACY AND REPORT ANY ISSUES TO ARCHITECT BEFORE STARTING ANY WORK.
2. WHERE POSSIBLE REUSE EXISTING SANITARY AND DOMESTIC WATER PIPING.

DEMO PLUMBING KEY NOTES:

1. DISCONNECT, REMOVE AND KEEP WATER CLOSETS AND ALL THEIR ACCESSORIES AND HARDWARE FOR REUSE. SEE NEW PLUMBING PLAN FOR NEW LOCATIONS.
2. DEMO EXISTING URINAL. CAP SANITARY AND DOMESTIC WATER PIPING AS NEEDED TO ACCOMMODATE NEW PLUMBING WORK.
3. DISCONNECT, REMOVE AND KEEP EXISTING COUNTERS, FAUCETS, PIPING ACCESSORIES AND DROP IN LAVATORIES FOR REUSE. REMOVE AND CAP PIPING NOT BEING REUSED. SEE NEW PLUMBING PLAN FOR NEW LOCATIONS.
4. VERIFY ACTUAL LOCATION OF EXISTING FLOOR DRAIN. REUSE IF EXISTING LOCATION WORKS WITH NEW LAYOUT. RELOCATE AND PROVIDE NEW IF FLOOR DRAIN HAS TO MOVE DUE TO NEW LAYOUT AND EXISTING CONDITIONS.



FIRST FLOOR - DEMO PLUMBING PLAN

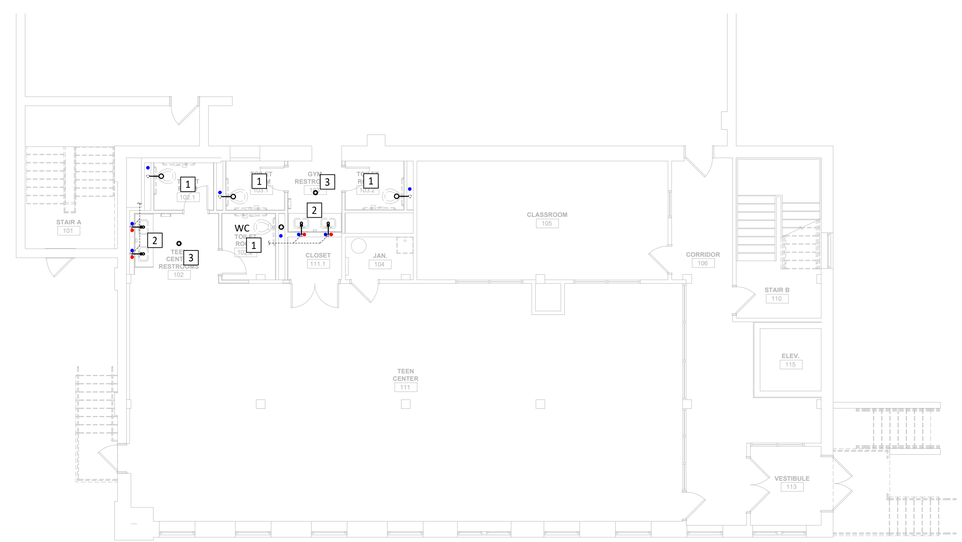
SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. BEFORE COMMENCING ANY WORK SURVEY THE EXISTING PLUMBING SYSTEMS TO VERIFY SIZES AND LOCATIONS. VERIFY ACCURACY AND REPORT ANY ISSUES TO ARCHITECT BEFORE STARTING ANY WORK.
2. WHERE POSSIBLE REUSE EXISTING SANITARY AND DOMESTIC WATER PIPING.
3. SURVEY THE NEW SANITARY DISCHARGE LOCATIONS IN THE BASEMENT AND COORDINATE WITH ALL EXISTING CONDITIONS INCLUDING BUT NOT LIMITED TO STRUCTURAL MEMBERS, LIGHTING, WIRING, FURNITURE, HVAC EQUIPMENT, HVAC DUCTWORK, ETC.

NEW PLUMBING KEY NOTES:

1. REUSE RELOCATED WATER CLOSETS AND ALL ITS ACCESSORIES AND HARDWARE. INSTALL IN NEW LOCATION. PROVIDE (1) NEW WC W/ REQUIRED ACCESSORIES AND HARDWARE TO MATCH THE EXISTING FIXTURES. WATER CLOSETS SHALL NOT EXCEED 3.5 GPF. PROVIDE NEW 1" CW SUPPLY WITH SHUT OFF TO EXISTING MAIN. CONNECT NEW 3" SANITARY INTO EXISTING BASEMENT SEWER DRAIN. COORDINATE WITH OTHER TRADES AND EXISTING CONDITIONS IN THE BASEMENT. PROVIDE 2" VENT FOR EACH WC AND CONNECT INTO EXISTING VENT MAIN ABOVE CEILING.
2. RELOCATED EXISTING COUNTER, DROP IN LAVATORIES WITH REUSED FAUCET AND DRAIN. TIE INTO EXISTING WATER PIPING AND SANITARY AS REQUIRED. TAP INTO EXISTING AIR VENT PIPING OUT THRU ROOF. MINIMUM DRAINS AND VENT SHALL BE 1-1/2" AND MINIMUM HOT AND COLD WATER TO FIXTURE SHALL BE $\frac{3}{4}$".
3. RELOCATE FLOOR DRAINS WHERE SHOWN AS REQUIRED. TIE INTO EXISTING SANITARY PIPING. PROVIDE TRAP SEAL INSIDE OF FLOOR DRAIN.



FIRST FLOOR - NEW PLUMBING PLAN

SCALE: 1/8" = 1'-0"

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NUMBER: 2024-002

SHEET NAME: PLUMBING PLANS

SHEET NUMBER: **P1.1**

GENERAL HVAC NOTES:

1. THE MECHANICAL SYSTEM INDICATED ON THE DRAWINGS ARE GENERALLY DIAGRAMMATIC TO SHOW THE OWNER'S INTENT AND THE MECHANICAL EQUIPMENT LOCATIONS. ALL EQUIPMENT AND ACCESSORIES ARE SHOWN APPROXIMATELY AND SHALL BE INSTALLED CONSISTENT WITH JOB CONDITIONS AND APPLICABLE CODE REQUIREMENTS. THE HVAC CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS NECESSARY FOR A COMPLETE WORKING SYSTEM AND ALL FINAL DESIGN OF THE COMPLETE MECHANICAL SYSTEM.
2. THE MECHANICAL DESIGN AND INSTALLATION SHALL MEET ALL THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION. IT SHALL ALSO MEET THE 2018 INTERNATIONAL BUILDING CODES, 2018 INTERNATIONAL MECHANICAL CODE, NPFA CODES, ENERGY CODES AND THE NATIONAL ELECTRIC CODE.
3. THE MECHANICAL CONTRACTOR SHALL EXAMINE THE ARCHITECTURAL DRAWINGS AND EXISTING SITE TO FULLY INFORM ITSELF OF ALL CONDITIONS BEFORE BIDDING THE PROJECT SO THAT ARE WORK IS FULLY COVERED.
4. THE MECHANICAL CONTRACTOR SHALL PROVIDE A TRAINING WALK THROUGH WITH THE OWNER AND GENERAL CONTRACTOR TO DISCUSS ALL HVAC COMPONENTS AT THE CONCLUSION OF THE PROJECT.
5. THE MECHANICAL CONTRACTOR SHALL SUBMIT AS - BUILT DRAWINGS AND O & M MANUALS AT THE CONCLUSION OF THE PROJECT.
6. ALL SPACES IN THE SCOPE OF WORK ARE TOILET ROOMS AND SHALL MEET THE VENTILATION REQUIREMENTS OF THE 2018 INTERNATIONAL MECHANICAL CODE SECTION 403 TABLE 403.3.1.1 AND BE PROVIDED WITH A MINIMUM EXHAUST RATE OF 70 CFM.
7. INSTALL ALL EQUIPMENT AND ACCESSORIES PER THE MANUFACTURER INSTRUCTIONS. ALLOW THE MANUFACTURERS RECOMMENDED CLEARANCE AROUND ALL COMPONENTS.
8. TAG & LABEL ALL EQUIPMENT PER THE DRAWING LABELS FOR FUTURE REFERENCE.
9. ALL HVAC DUCTWORK SHALL BE GALVANIZED G90 SHEET METAL AND SHALL MEET THE MINIMUM REQUIREMENTS OF THE LATEST EDITION OF THE SMACNA DUCTWORK CONSTRUCTION STANDARDS. SUPPLY AND RETURN DUCTWORK SHALL BE EXTERNALLY WRAPPED WITH BLANKET R-6 INSULATION. ALL DUCTWORK AND GRILL TOPS SHALL BE INSULATED AND SEALED TO PREVENT CONDENSATION. EXHAUST DUCTWORK IS NOT REQUIRED TO BE INSULATED. FLEXIBLE DUCT SUPPORTED PROPERLY WITHOUT KINKS IS ACCEPTABLE UP TO 8' IN LENGTH.
10. ALL BRANCH SUPPLY AND RETURN GRILLES SHALL HAVE VOLUME DAMPERS TO BALANCE EACH AIR DEVICE OUTLET. FLEXIBLE DUCTWORK SHALL BE LIMITED TO 8'- 0" PER BRANCH.
11. ALL DUCTWORK ELBOWS AND TEES SHALL HAVE TURNING VANES INSTALLED TO MINIMIZE STATIC PRESSURE DROP.
12. CONFIRM DUCTWORK WILL FIT IN EXISTING CONDITIONS BEFORE FABRICATION. VERIFY ALL EXISTING CONDITIONS AND REUSE DUCTWORK WHERE CALLED OUT. PROVIDE ADDITIONAL DUCTWORK AS REQUIRED.
13. DUCTED SYSTEMS SHALL BE TESTING AND BALANCED TO +/-10% BY AN (AABC) OR (NEBB) CERTIFIED AGENCY. THE CONTRACTOR SHALL PROVIDE A COPY OF THE TEST TO THE OWNER PRIOR TO FINAL WALK THRU.
14. IT SHALL BE THE RESPONSIBILITY OF THIS HVAC CONTRACTOR TO INSTALL THE HEATING, VENTILATION AND AIR CONDITIONING SYSTEMS SO AS TO INSURE QUIET OPERATION. NO VIBRATION OR SOUND SHALL BE TRANSMITTED TO THE BUILDING, STRUCTURE OR OCCUPIED AREAS. THE CONTRACTOR SHALL TAKE FULL RESPONSIBILITY TO CORRECT OR REPLACE ANY NOISY SYSTEM OR EQUIPMENT AS REQUIRED.
15. THE EQUIPMENT LISTED ON PLANS ARE THE BASIS OF DESIGN, EQUAL ALTERNATIVE EQUIPMENT CAN BE USED BUT WILL NEED APPROVED BEFORE BEING ACCEPTED FOR USE.
16. THE CONTRACTOR SHALL GUARANTEE MATERIALS AND WORKMANSHIP FREE OF DEFECT FOR ONE YEAR AFTER DATE OF ACCEPTANCE BY THE OWNER.
17. INSTALL ALL EQUIPMENT AND ACCESSORIES PER THE MANUFACTURER INSTRUCTIONS. IF THERE ARE ANY CONFLICTS BETWEEN THE INSTALLATION INSTRUCTIONS AND THESE PLANS CONTACT THE ARCHITECT FOR CLARIFICATIONS. ALLOW THE MANUFACTURERS RECOMMENDED CLEARANCE AROUND ALL COMPONENTS.

NOMENCLATURE

SUPPLY	
RETURN	
EXHAUST FAN	
THERMOSTAT	T
AVERAGING TEMPERATURE SENSORS	S
HUMIDITY SENSOR	H
CO2 SENSOR	CO2
SMOKE DETECTOR	SD
MOTOR OPERATED DAMPER	
VOLUME DAMPER	
SHUT OFF VALVE	
PRESSURE REGULAR	
INSULATED FLEXIBLE DUCT 10 FEET MAXIMUM LENGTH	
UP THRU ROOF	UTR

EXHAUST FAN SCHEDULE

LABEL (ID)	MAKE	MODEL	CFM	S.P.	VOLTAGE	PH	AMPS	WEIGHT	NOTES
EF-1	PANASONIC	FV-511VKL2	80	0.25"	115	1	9.9 WATTS	8.5 LBS.	SEE NOTE 1, 2

NOTES: 1. PROVIDE BACK DRAFT DAMPER, HANGING ISOLATION KIT, ON BOARD LIGHT AND ALL OTHER NECESSARY ACCESSORIES.
2. PROVIDE W/ PLUG 'N PLAY - FV-MSVK1: MOTION SENSOR AND FV-VS15VK1: MULTI-SPEED W/ TIME DELAY.

SEAL

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DRAWN BY: DTP	DATE: 09-30-24
CHECKED BY: DTP	SCALE: AS NOTED

NUMBER: 2024-002

SHEET NAME: HVAC NOTES & SCHEDULES

SHEET NUMBER

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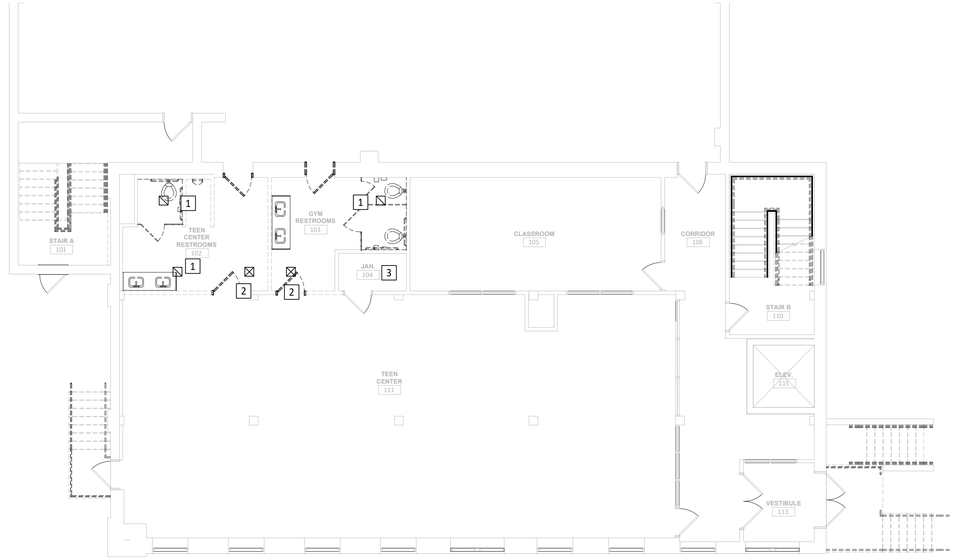
GENERAL DEMO NOTES

1. COORDINATE ALL HVAC DUCTWORK AND EQUIPMENT WITH FINAL ARCHITECTURAL PLANS, OTHER TRADES AND EXISTING CONDITIONS.
2. BEFORE COMMENCING ANY WORK SURVEY THE EXISTING HVAC SYSTEMS TO VERIFY SIZES AND LOCATIONS. VERIFY ACCURACY AND REPORT ANY ISSUES TO ARCHITECT BEFORE STARTING ANY WORK.
3. WHERE POSSIBLE REUSE EXISTING HVAC DUCTWORK, BRANCHES AND EXHAUST TERMINATIONS.
4. INSPECT BASEMENT FOR ANY NECESSARY DUCTWORK MODIFICATIONS NEEDED WITH NEW PLUMBING WORK. PROVIDE AN ADDER TO RELOCATE/MODIFY IF REQUIRED.

DEMO MECHANICAL KEY NOTES:

1. EXISTING EXHAUST FAN TO BE DEMOED. COORDINATE DEMO WITH ELECTRICAL CONTRACTOR. EXISTING EXHAUST DUCTWORK MAIN TO REMAIN FOR REUSE. CAP OLD OPENINGS AS REQUIRED. SEE NEW HVAC PLAN FOR NEW EXHAUST SYSTEM. IF EXHAUST GRILLE DEMO AND CAP AT EXHAUST MAIN TO BE REUSED.
2. REUSE AND RELOCATE EXISTING SUPPLY DIFFUSER.
3. EXISTING EQUIPMENT TO REMAIN AS IS FOR REUSE.



FIRST FLOOR - MECHANICAL DEMO PLAN

SCALE: 1/8" = 1'-0"

NEW MECHANICAL KEY NOTES:

1. DUCT NEW EF-1 EXHAUST FANS INTO EXISTING REUSED MAIN EXHAUST DUCTWORK. VERIFY DUCTWORK CAN BE REUSED.
2. NEW LOCATION FOR SUPPLY DIFFUSER. EXTEND FLEXIBLE DUCTWORK AND RELOCATE AS SHOWN.
3. DOOR SHALL BE UNDERCUT FOR PROPER AIRFLOW SEE ARCHITECTURAL PLANS FOR DETAILS.

FIRST FLOOR - NEW MECHANICAL PLAN

SCALE: 1/8" = 1'-0"

SEAL

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PROPOSED RENOVATION TO:

BOYS & GIRLS CLUB OF LANCASTER

HILL CLUBHOUSE
116 S. WATER STREET
LANCASTER, PA. 17603

REVISIONS	DATE
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DRAWN BY: DTP	DATE: 09-30-24
CHECKED BY: DTP	SCALE: AS NOTED

NUMBER: 2024-002

SHEET NAME: HVAC PLANS

SHEET NUMBER: M1.1

RECEPTACLES/FLOORBOXES/POWER POLES

SYMBOL	DESCRIPTION
	120V DUPLEX RECEPTACLE
•	120V DUPLEX RECEPTACLE INSTALLED 8" ABOVE COUNTER
XX"	120V DUPLEX RECEPTACLE MOUNTED AT HEIGHT INDICATED
WP	120V DUPLEX RECEPTACLE - WEATHERPROOF
GF	120V DUPLEX RECEPTACLE W/ GFCI PROTECTION
	120V QUAD RECEPTACLE
	120 VOLT DUPLEX RECEPTACLE - TOP SIDE SWITCHED

FIRE ALARM

	WALL MOUNTED FIRE ALARM VISUAL STROBE
	CEILING MOUNTED FIRE ALARM VISUAL STROBE
S	120V PHOTOELECTRIC SMOKE DETECTOR W/ SOUNDER BASE
S	PHOTOELECTRIC SMOKE DETECTOR - CEILING MOUNTED
	SMOKE & CARBON MONOXIDE DETECTOR
H	HEAT DETECTOR
D	DUCT SMOKE DETECTOR
FA	FIRE ALARM AUDIO DEVICE
F	FIRE AUDIO/VISUAL DEVICE
F	MANUAL PULL STATION
• FS	SPRINKLER FLOW SWITCH
• TS	SPRINKLER TAMPER SWITCH

POWER DISTRIBUTION AND CONTROL

	FUSED DISCONNECT SWITCH
S_T	MANUAL MOTOR STARTING SWITCH WITH THERMAL OVERLOAD DEVICE
	COMBINATION STARTER AND DISCONNECT SWITCH
	MOTOR
	PANELBOARD, AS SPECIFIED
	JUNCTION BOX
	METER

SWITCHING

S	SINGLE POLE SWITCH
S_3	THREE - WAY SWITCH
S_4	FOUR - WAY SWITCH
S_D	SINGLE POLE DIMMER SWITCH
S_{OCC}	0-10V DIMMER SWITCH W/OCCUPANCY SENSOR
S_{PC}	LUTRON PICO WIRELESS SWITCH
S_{PKD}	LUTRON PICO WIRELESS DIMMER SWITCH
S_{MS}	SPST SWITCH W/ OCCUPANCY SENSOR
MS	CEILING MOUNTED MOTION/ VACANCY SENSOR
PC	PHOTOCELL
PP	CEILING MOUNTED POWER PACK
PP 0-10	CEILING MOUNTED POWER PACK W/0-10V DIMMING

LIGHTING

	FLOOD OR SPOT LUMINAIRE
	SINGLE HEAD FLOODLIGHT - EMERGENCY ONLY
	DUAL HEAD FLOODLIGHT - EMERGENCY ONLY
	EXIT SIGN
	COMBINATION EXIT/BATTERY/HEAD UNIT
	EMERGENCY BATTERY PACK W/ HEADS
	FLUORESCENT LUMINAIRE - SINGLE CIRCUIT
	FLUORESCENT STRIP FIXTURE
EF	EXHAUST FAN
EF/L	EXHAUST FAN/LIGHT COMBINATION FIXTURE

ELECTRICAL SPECIFICATIONS

PART I - SCOPE

A. THE WORK UNDER THIS SECTION SHALL CONSIST OF THE MATERIAL, LABOR, TOOLS, AND EQUIPMENT REQUIRED TO COMPLETE THE ELECTRICAL WORK FOR THIS PROJECT. THE WORK SHALL CONSIST OF THE FURNISHING, INSTALLING AND CONNECTIONS OF THE SYSTEMS OR ITEMS LISTED IN THIS SECTION OR SHOWN ON THE DRAWINGS.

PART II - DEFINITION

A. WHEREVER THE TERM, "THIS CONTRACTOR" IS USED IN THE SPECIFICATIONS, IT SHALL BE INTERPRETED TO REFER TO THE CONTRACTOR RESPONSIBLE FOR THE WORK DESCRIBED IN THE ELECTRICAL SECTION OF THESE SPECIFICATIONS.

PART III - REFERENCE STANDARDS

A. THE WORKMANSHIP, MATERIAL AND EQUIPMENT SHALL MEET THE REQUIREMENTS OF THE FOLLOWING:
A. NATIONAL FIRE PROTECTION ASSOCIATION
B. NATIONAL ELECTRICAL CODE 2017
C. IECC 2018
D. UNDERWRITERS LABORATORIES, INC.
E. LOCAL MUNICIPAL CODES
F. LOCAL TOWNSHIP CODE
G. REQUIREMENTS OF THE POWER COMPANY HAVING JURISDICTION
H. OTHER PUBLIC UTILITIES SERVING THIS PROJECT
B. ALL MATERIAL SHALL BE NEW AND WITHOUT IMPERFECTIONS OR BLEMISHES AND SHALL BE PROTECTED FROM THE ELEMENTS PRIOR TO INSTALLATION.
C. THE DRAWINGS ARE A GENERAL INDICATION OF THE WORK TO BE INSTALLED, BUT DO NOT INDICATE ALL BENDS, FITTINGS, BOXES, ETC. AS MAY BE REQUIRED TO FACILITATE THE PULLING OF WIRES.
D. ALL WORK SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER.

PART IV - BASIC MATERIALS

A. ALL WIRE AND CABLE SHALL BE AS FOLLOWS:
A. MINIMUM SIZE #12 AWG, UNLESS OTHERWISE SPECIFIED
B. SIZES #8 AWG AND LARGER SHALL BE STRANDED.
C. U.L. LISTED
D. MINIMUM SIZE OF #14 AWG FOR CONTROL WIRING, EXCEPT 24 VOLTS AND BELOW
E. MINIMUM SIZE OF #14 AWG IN FLEXIBLE METAL CONDUIT FOR FINAL CONNECTIONS TO RECESSED LIGHTING FIXTURES
F. 15 & 20-AMP CONDUCTORS SHALL BE SIZED FOR 60C TERMINATIONS. 30-AMP AND ABOVE CONDUCTORS SHALL BE SIZED FOR 75C TERMINATIONS.
G. ALL NM CABLE AND SER CABLE SHALL BE SIZED FOR 60C TERMINATIONS.

B. TYPE OF WIRING
A. ALL BRANCH WIRING SHALL BE IN MC, NM CABLE OR CONDUIT.
B. ELECTRICAL SERVICE AND UNDERFLOOR CONDUITS MAY BE PVC OR PLASTIC CONCRETE ENCASED CONDUIT.
C. BRANCH CIRCUITS SHALL BE SIZED AS FOLLOWS:

I. 15-AMP CIRCUITS SHALL USE #14 THHN/THWN CONDUCTORS
II. 20-AMP CIRCUITS SHALL USE #12 THHN/THWN CONDUCTORS
III. 30-AMP CIRCUITS SHALL USE #10 THHN /THWN CONDUCTORS
IV. 40 & 50-AMP CIRCUITS SHALL USE #8 THHN/THWN CONDUCTORS
V. 60-AMP CIRCUITS SHALL USE #6 THHN/THWN CONDUCTOR

C. BOXES FOR WIRING DEVICES
A. METAL OR PLASTIC BOXES SHALL BE USED.

D. WIRING DEVICES
A. UNLESS OTHERWISE NOTED, ALL DEVICES AND WALLPLATES SHALL BE STANDARD-STYLE, GENERAL DUTY, AND WHITE IN FINISH.
B. A 20 AMP, 120 VOLT COMMERCIAL-GRADE, DEVICE SHALL BE INSTALLED AT EACH SWITCHING OUTLET SHOWN ON THE DRAWINGS. THE HEIGHT OF THE SWITCHES THROUGHOUT THE BUILDING SHALL BE 42" TO CENTER.
C. A 20 AMP, 125 VOLT, SIDE OR BACK-WIRED WITH BREAK-OFF SHUNT, COMMERCIAL-GRADE, DUPLEX RECEPTACLE SHALL BE INSTALLED IN EACH OUTLET SHOWN ON THE DRAWINGS. THE RECEPTACLE SHALL BE GROUNDED. UNLESS NOTED OTHERWISE, THE HEIGHT OF THE RECEPTACLES SHALL BE AS FOLLOWS:

I. 18" TO CENTER - FINISHED AREAS
II. 44" TO CENTER - REST ROOM AREAS
III. 18" TO CENTER - UNFINISHED AREAS
IV. 42" TO CENTER - WALL PHONES

D. ALL OUTSIDE RECEPTACLES SHALL BE GFI PROTECTED WITH WEATHERPROOF IN-USE COVERS AND BE RATED FOR WEATHER RESISTANT (MARKED WR ON THE FACE).
I. AN OUTSIDE RECEPTACLE SHALL BE INSTALLED WITHIN 25' OF ALL OUTDOOR HVAC EQUIPMENT.
II. ALL IN-USE COVERS TO BE LISTED AND IDENTIFIED AS "EXTRA-DUTY" RATED.
E. RECEPTACLES FOR SELF-SERVICE APPLIANCES/EQUIPMENT SHALL BE MOUNTED LOWER THAN 48" ABOVE THE FINISHED FLOOR.
F. WATER COOLER RECEPTACLES SHALL BE GFI PROTECTED.
G. ALL GFCI DEVICES SHALL BE READILY ACCESSIBLE AREAS PER NEC 422.5.

H. OCCUPANCY SENSOR POWER PACKS ARE TO BE WIRED PRIOR TO ANY LOCAL SWITCHING OR DIMMING.

PART V - TEMPORARY ELECTRIC AND LIGHTING

A. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR CORD PROTECTION FOR THEIR EMPLOYEES WHERE NEW BUILDING RECEPTACLES ARE USED FOR POWER. THIS SHALL BE DONE WITH GFI PROTECTION OR AN OSHA APPROVED EQUIPMENT ASSURED GROUNDING CONDUCTOR PROGRAM.
B. TEMPORARY LIGHTING SHALL BE PROVIDED AS PER CONTRACT DOCUMENTS.

PART VI - LIGHTING FIXTURE SPECIFICATIONS

A. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL LIGHTING FIXTURES ACCORDING TO THE LAYOUT INDICATED ON THE DRAWINGS.
B. FIXTURES SHALL BE EQUIPPED WITH ALL COMPONENTS INCLUDING HOUSINGS, TRIMS, BALLASTS, SOCKETS AND HANGERS AS REQUIRED TO MAKE EACH UNIT COMPLETE.
C. THERMAL CUTOUTS SHALL BE PROVIDED IN ALL LIGHTING FIXTURES WHERE REQUIRED BY THE NATIONAL ELECTRICAL CODE.
D. THE FIXTURE SHALL BE EQUIPPED WITH LAMPS THAT ARE RECOMMENDED BY THE MANUFACTURER. LAMPS SHALL BE MANUFACTURED BY GENERAL ELECTRIC, PHILIPS, SYLVANIA OR EQUAL.
E. LIGHTING FIXTURES WHICH ARE INSTALLED IN SUSPENDED CEILINGS SHALL HAVE ADEQUATE SUPPORT WIRES AROUND THE FIXTURE. THE CEILING INSTALLER SHALL FURNISH TWO SUPPORT WIRES FOR EACH FLUORESCENT OR LINEAR LIGHT FIXTURE. ONE SUPPORT WIRE SHALL BE FURNISHED FOR DOWNLIGHT TYPE FIXTURES.
F. WHERE LIGHTING FIXTURES ARE INSTALLED IN FIRE RATED CEILINGS, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO INSTALL PROPER TENTS AND/OR BOXES AROUND THE FIXTURES SO AS TO MAINTAIN SUFFICIENT FIRE RATINGS.
G. WHERE RECESSED FIXTURES WITH THERMAL PROTECTION ARE INSTALLED IN CEILINGS WITH INSULATION, IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INSTALL SUPPORTS AROUND THE FIXTURES TO KEEP THE INSULATION 3" AWAY FROM THE FIXTURE.
H. EXIT SIGNS AT DOORWAYS SHALL BE CENTERED OVER THE DOOR AND MOUNTED JUST ABOVE THE DOOR HEADER. IF THERE IS NOT ADEQUATE WALL SPACE ABOVE THE DOOR, THE EXIT SIGN MAY BE MOUNTED FROM THE CEILING.
I. EXIT SIGNS AND EMERGENCY LIGHTING SHALL BE CONNECTED TO THE LOCAL LIGHTING CIRCUIT PRIOR TO ANY SWITCHING.

PART V11 - EQUIPMENT BACKBOARD INSTALLATION

A. INSTALLATION OF PLYWOOD REQUIRED FOR THE MOUNTING OF SERVICE EQUIPMENT AND OTHER ELECTRICAL ITEMS SHALL BE SUPPLIED, INSTALLED AND PAINTED BY THE GENERAL CONTRACTOR.

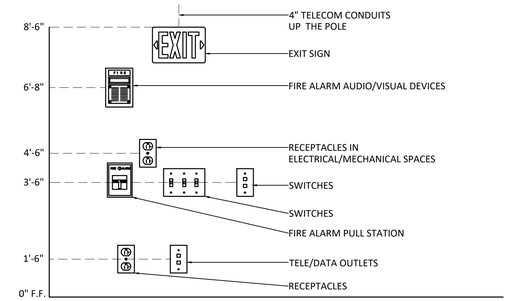
PART VIII - CIRCUIT BREAKER IDENTIFICATION

A. THIS CONTRACTOR SHALL FURNISH AND INSTALL TYPED CIRCUIT DIRECTORIES IN ALL OF THE ELECTRICAL PANELS.
B. SERVICE EQUIPMENT IN OTHER THAN DWELLING UNITS SHALL BE LEGIBLY AND INDELIBLY MARKED IN THE FIELD WITH MAXIMUM AVAILABLE FAULT CURRENT. THE FIELD MARKING(S) SHALL INCLUDE THE DATE THE FAULT CURRENT CALCULATION WAS PERFORMED AND BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED.
C. ELECTRICAL EQUIPMENT, SUCH AS SWITCHBOARDS, SWITCHGEAR, PANELBOARDS, INDUSTRIAL CONTROL PANELS, METER SOCKET ENCLOSURES, AND MOTOR CONTROL CENTERS, THAT ARE IN OTHER THAN DWELLING UNITS AND ARE LIKELY TO REQUIRE EXAMINATION, ADJUSTMENT SERVICING, OR MAINTENANCE WHILE ENERGIZED, SHALL BE FIELD OR FACTORY MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ARC FLASH HAZARDS. THE MARKING SHALL MEET THE REQUIREMENTS IN NEC 110.21(B) AND SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF EQUIPMENT.

PART IX - GENERAL NOTES

A. ALL PIPING, INCLUDING WATER PIPING, SPRINKLER PIPING, GAS PIPING, ETC. AND ALL DUCT WORK SHALL NOT BE INSTALLED OVER TOP OF ANY ELECTRICAL PANELS OR SWITCHBOARD.
B. FIRE WALLS THAT ARE PENETRATED AS PART OF THE ELECTRICAL WORK SHALL BE RESTORED TO THE FIRE RATING.
C. LISTED AND LABELING STATEMENTS ARE TO BE INCLUDED WITH ALL SUBMITTALS. THIS IS TO INDICATE ALL EQUIPMENT AND MATERIALS USED, WHERE POSSIBLE, WILL BE LISTED BY A RECOGNIZED TESTING AGENCY SUCH AS UL.

NOTE: BEFORE WIRING VERIFY ACTUAL EQUIPMENT LOADS MATCH PLANS. IF THERE ARE ANY CHANGES THE CONTRACTOR IS RESPONSIBLE TO RESIZE AND MEET THE EQUIPMENT LOAD AND CODE REQUIREMENTS.



NOTES:
1. DEVICES SHALL BE INSTALLED ON A COMMON VERTICAL CENTERLINE WHEREVER POSSIBLE.
2. ELECTRICAL RECEPTACLES SHALL BE MOUNTED A MINIMUM OF 15" TO THE BOTTOM OF THE RECEPTACLE.
3. ELECTRICAL SWITCHES SHALL BE MOUNTED A MAXIMUM OF 48" TO THE TOP OF THE SWITCH.
4. COUNTERTOP ELECTRICAL RECEPTACLES SHALL BE MOUNTED A MAXIMUM OF 44" TO THE TOP OF THE RECEPTACLE.
5. CIRCUIT BREAKERS, DISCONNECT SWITCHES, ETC. SHALL BE INSTALLED SO THAT THE CENTER OF THE GRIP OF THE OPERATING HANDLE IN IT'S HIGHEST POSITION IS NOT MORE THAN 6'-7" A.F.F.
6. MOUNT VISIBLE FIRE ALARM DEVICES WITH THE LENS OF THE STROBE NOT LESS THAN 80" AND NOT GREATER THAN 96" A.F.F. WALL-MOUNTED VISIBLE FIRE ALARM DEVICES SHALL NOT BE WITHIN 6" OF THE CEILING.
7. MOUNT EXIT SIGNS ABOVE DOORS WITH 2" BETWEEN BOTTOM OF THE EXIT SIGN AND THE TOP OF THE DOOR.
8. THE MOUNTING HEIGHTS SHOWN ARE GENERALLY DIMENSIONED TO THE MID-LINE OF A GIVEN DEVICE. EXACT DEVICE MOUNTING HEIGHTS SHALL BE WITHIN THE SPECIFIC REACH LIMITS SPECIFIED IN THE LATEST REVISION OF THE ADA GUIDELINES AND THE LATEST REVISION OF ICC/ANSI A117.1, SPECIFICALLY FIRE ALARM DEVICES, CONTROLS, OPERATING MECHANISMS AND HARDWARE, INCLUDING RECEPTACLES AND SWITCHES THAT CONTROL LIGHTING, VENTILATION, ETC.
9. THIS DETAIL IS MEANT AS A GENERAL GUIDE. ALL FINAL MOUNTING HEIGHTS SHALL BE INSTALLED PER ARCHITECTURAL DRAWINGS AND ADOPTED CODES.

TYPICAL DEVICE MOUNTING HEIGHTS
SCALE: N.T.S.

LIGHTING FIXTURE SCHEDULE

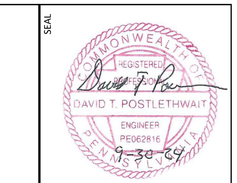
SYMBOL	TYPE	DESCRIPTION	MANUFACTURER	MODEL NO.	LAMPING	VOLT	COMMENTS
	F1	1X4 LED FLAT PANEL	LITHONIA	CPANL 1X4	20W 2400 LUMENS	120V-277V	OR SIMILAR
	F2	2X4 LED FLAT PANEL	LITHONIA	CPANL 2X4	32W 4000 LUMENS	120V-277V	OR SIMILAR
	F3	2X2 LED FLAT PANEL	LITHONIA	CPANL 2X2	20W 2400 LUMENS	120V-277V	OR SIMILAR

NOTES:
THE FIXTURES ABOVE ARE BASIS OF DESIGN. ALTERNATES ARE ACCEPTED BUT MUST BE APPROVED.

EXIT SIGNS AND EM LIGHTS TO BE TIE IN TO THE LOCAL LIGHTING CIRCUIT FEEDING THAT AREA

OC = OCCUPANCY SENSOR ON LIGHT FIXTURE NL = NIGHT LIGHT (24 HOUR) AFF = ABOVE FINISHED FLOOR PC = PHOTO CELL MS = MOTION SENSOR
(MS) = CEILING MOTION SENSOR

SEAL



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DTP	09-30-24
CHECKED BY:	SCALE:
DTP	AS NOTED

NUMBER: 2024-002

SHEET NAME: ELECTRICAL NOTES & SCHEDULES

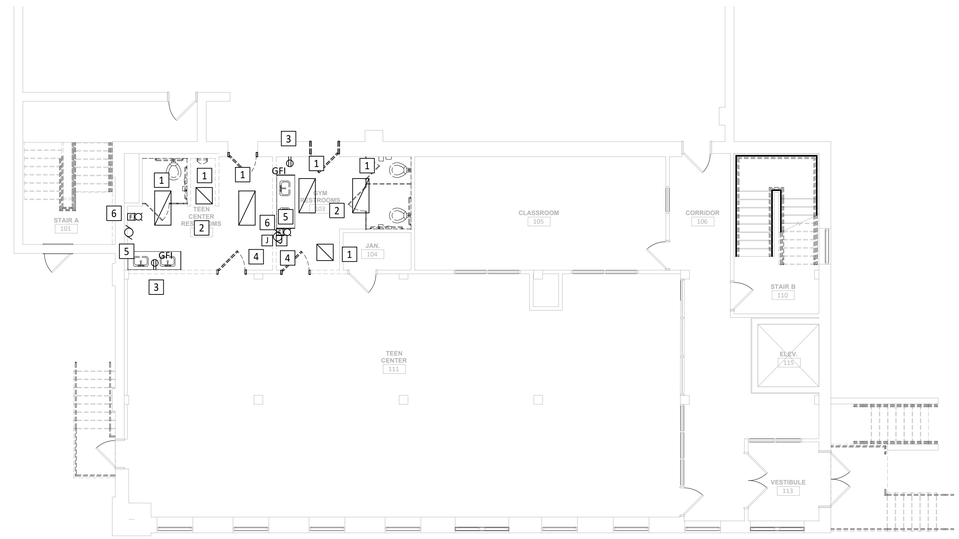
SHEET NUMBER: **E0.I**

GENERAL NOTES

1. BEFORE COMMENCING ANY WORK SURVEY THE EXISTING ELECTRICAL SYSTEMS AND CIRCUITS. REPORT ANY ISSUES TO ARCHITECT BEFORE STARTING ANY WORK.
2. ELECTRICAL PORTION OF RENOVATION MOSTLY CONSISTS OF NEW LIGHTING FIXTURES AND THE RELOCATION OF EXISTING RECEPTACLES. REUSE AND EXTEND EXISTING CIRCUITS TO FEED THE ALTERATIONS DEPICTED.

DEMO ELECTRICAL KEY NOTES:

1. DEMO EXISTING LIGHT FIXTURE. MAKE SAFE & KEEP EXISTING CIRCUIT WIRING INTACT FOR CONNECTION TO NEW LIGHTING.
2. DEMO EXISTING CEILING EXHAUST FAN. COORDINATE WORK WITH HVAC CONTRACTOR. MAKE SAFE & KEEP EXISTING CIRCUIT WIRING INTACT FOR CONNECTION TO NEW EXHAUST FANS.
3. DEMO EXISTING RECEPTACLES. MAKE SAFE & KEEP EXISTING CIRCUIT WIRING INTACT FOR CONNECTION TO NEW RECEPTACLES.
4. DEMO EXISTING WALL HEATERS. REMOVE ANY WIRING AND BREAKERS NOT NEEDING TO REMAIN. MAKE SAFE ANY WIRING THAT NEEDS TO REMAIN.
5. DEMO EXISTING HAND DRYERS. MAKE SAFE & KEEP EXISTING CIRCUIT WIRING INTACT FOR CONNECTION TO NEW HAND DRYERS.
6. RELOCATE EXISTING FIRE ALARM STROBES AS REQUIRED PER CODE.

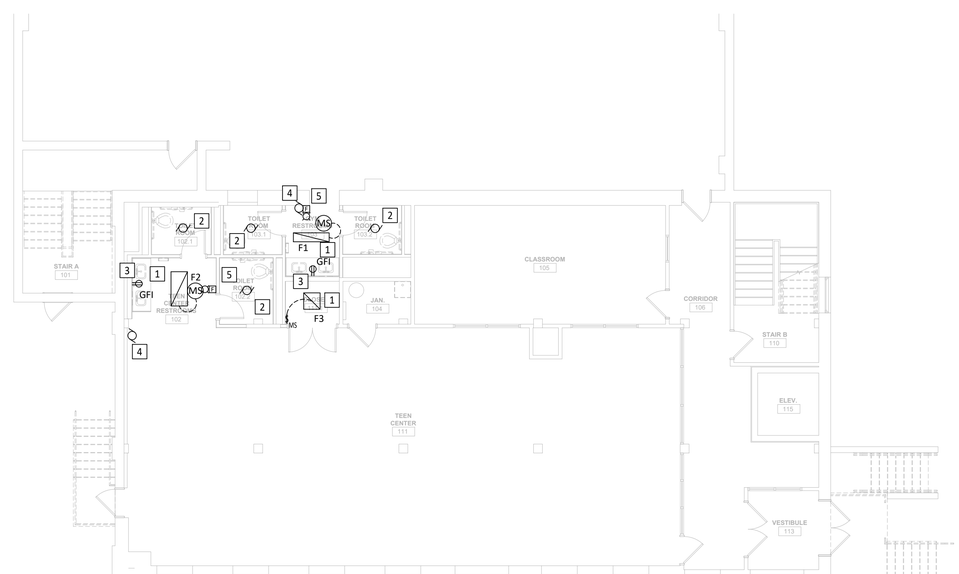


FIRST FLOOR - ELECTRCIAL DEMO PLAN

SCALE: 1/8" = 1'-0"

NEW ELECTRICAL KEY NOTES:

1. REUSE AND EXTEND EXISTING LIGHT CIRCUITS AND PROVIDE WITH NEW SWITCHES AND FIXTURES AS SHOWN.
2. REUSE AND EXTEND EXISTING EXHAUST FAN & LIGHTING WIRING TO NEW FAN/LIGHTS AND WIRE AS REQUIRED.
3. REUSE AND EXTEND EXISTING RECEPTACLE WIRING TO NEW RECEPTACLE LOCATIONS SHOWN. PROVIDE NEW GFI RECEPTACLES.
4. REUSE AND EXTEND EXISTING WIRING FOR NEW HAND DRYERS. PROVIDE NEW WORLD DRYER MODEL XA5-974 115V, 20 AMP W/ WHITE CAST IRON COVER OR APPROVED ALTERNATE.
5. RELOCATE EXISTING FIRE ALARM STROBES AS REQUIRED PER CODE.



FIRST FLOOR - NEW ELECTRCIAL PLAN

SCALE: 1/8" = 1'-0"

SEAL

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL ENGINEER
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DRAWN BY: DTP	DATE: 09-30-24
CHECKED BY: DTP	SCALE: AS NOTED

NUMBER: 2024-002

SHEET NAME: ELECTRICAL PLANS

SHEET NUMBER: **E1.1**

RENOVATIONS TO
SE CLUBHOUSE
BOYS & GIRLS CLUB

SYMBOLS

SECTION TAG
DETAIL NUMBER
SHEET NUMBER

INTERIOR ELEVATION
ELEVATION NUMBER
SHEET NUMBER

EXTERIOR ELEVATION
ELEVATION NUMBER
SHEET NUMBER

DETAIL TAG

PARTITION/BULKHEAD TAG
(REFER TO A1.0 FOR TYPES)

ROOM TAG
ROOM NAME
ROOM NUMBER

CASEWORK TAG
BASIS OF DESIGN MODEL NUMBER (CUSTOM/MODIFIED CABINETS HAVE "M" SUFFIX)
CABINET NOMINAL HEIGHT
CABINET WIDTH

WINDOW TAG

CURTAIN WALL TAG

STOREFRONT TAG

INTERIOR WINDOW TAG

DOOR TAG

ROOF TAG

NEW DOOR

EXISTING DOOR

EXISTING COL. LINE
OCTAGON
ITALIC TEXT

NEW COL. LINE
CIRCLE
STANDARD TEXT

HATCH PATTERNS

METAL STUD, BRICK, CONCRETE, CMU, EARTH, STEEL, RIGID INSULATION, BATT INSUL., ROUGH WOOD, GRAVEL, FINISHED WOOD, PLYWOOD

ABBREVIATIONS

(NOT ALL ABBREVIATIONS APPEAR IN PROJECT)

AC	AIR CONDITIONING
ACM	ALUMINUM COMPOSITE MATERIAL
ACOUST	ACOUSTICAL
ACT	ACOUSTIC CEILING TILE
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AGGR	AGGREGATE
ALT	ALTERNATE
ALUM	ALUMINUM
ANOD	ANODIZED
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ATTN	ATTENTION
AV	AUDIOVISUAL
BD	BOARD
BIT	BITUMINOUS
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
BO	BOTTOM OF
BOT	BOTTOM
BRG	BEARING
BSMNT	BASEMENT
CB	CEMENT BOARD
CBU	CEMENTITIOUS BACKER UNIT
CCTV	CLOSED CIRCUIT TELEVISION
CFS	COLD FORMED STEEL
CG	CORNER GUARD
CI	CAST IRON
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
COORD	COORDINATE
CORR	CORRIDOR
CPT	CARPET
CT	CERAMIC TILE
CTR	CENTER
CTSK	COUNTERSUNK
CW	COLD WATER
D	DEEP, DEPTH
DBL	DOUBLE
DEG	DEGREE
DEMO	DEMOLISH OR DEMOLITION
DEPT	DEPARTMENT
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIFF	DIFFUSER
DIM	DIMENSION
DIMS	DIMENSIONS
DIV	DIVISION
DMPF	DAMP PROOFING
DN	DOWN
DO	DOOR OPENING
DR	DOOR
DRN	DRAIN
DS	DOWNSPOUT
DTL	DETAIL
DW	DISHWASHER
DWG	DRAWING
E	EAST
EA	EACH
EC	ELECTRICAL CONTRACT(OR)
EJ	EXPANSION JOINT
EJC	EXPASNSION JOINT COVER
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSURE
ENG	ENGINEER

EP	ELECTRICAL PANEL
EPDM	ETHYLENE PROPYLENE DIENE M-CLASS
EQ	EQUAL
EQUIP	EQUIPMENT
ES	EACH SIDE
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FA	FIRE ALARM
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF&E	FURNITURE, FIXTURES AND EQUIPMENT
FFE	FINISH FLOOR ELEVATION
FIN	FINISH
FIXT	FIXTURE
FLR	FLOOR
FND	FOUNDATION
FO	FACE OF
FP	FIRE PROTECTION
FRC	FIBER REINFORCED CONCRETE
FRP	FIBER REINFORCED PLASTIC
FRT	FIRE RETARDANT TREATED
FRZ	FREEZER
FT	FEET/FOOT
FTG	FOOTING
FURN	FURNITURE
FURR	FURRING
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACT(OR)
GEN	GENERAL
GFRC	GLASS FIBER REINFORCED CONCRETE
GFRG	GLASS FIBER REINFORCED GYPSUM
GL	GLASS
GLAZ	GLAZING
GRD	GROUND
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
H	HIGH/HEIGHT
HC	HANDICAPPED
HDWD	HARDWOOD
HDWR	HARDWARE
HGT	HEIGHT
HM	HOLLOW METAL
HNDRL	HANDRAIL
HO	HOLD OPEN
HORIZ	HORIZONTAL
HR	HOUR
HSS	HOLLOW STRUCTURAL SECTION
HTG	HEATING
HVAC	HEATING VENTILATION AND AIR CONDITIONING
HW	HOT WATER
ID	INSIDE DIAMETER
IN	INCH/INCHES
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
INTERM	INTERMEDIATE
INV	INVERT
JAN	JANITOR
JST	JOIST
JT	JOINT
KIT	KITCHEN
LAM	LAMINATE
LAV	LAVATORY
LB	POUNDS
LGM	LIGHT GUAGE METAL
LLH	LONG LEG HORIZONTAL

LLV	LONG LEG VERTICAL
MAX	MAXIMUM
MECH	MECHANICAL
MED	MEDIUM
MEMBR	MEMBRANE
MFR	MANUFACTURER
MH	MAN HOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MR	MOISTURE RESISTANT
MTD	MOUNTED
MTG	MOUNTING
MTL	METAL
MULL	MULLION
MW	MICROWAVE
N	NORTH
NA	NOT APPLICABLE
NC	NOISE CRITERIA
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OC	ON CENTER
OD	OUTSIDE DIAMETER
OD	OVERFLOW DRAIN
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFF	OFFICE
OFOI	OWNER FURNISHED, OWNER INSTALLED
OH	OVERHEAD
OPNG	OPENING
OPP	OPPOSITE
ORD	OVERFLOW ROOF DRAIN
PBD	PARTICLE BOARD
PC	PRECAST OR PLUMBNG CONTRACT(OR)
PERF	PERFORATED
PERIM	PERIMETER
PERP	PERPENDICULAR
PL	PLATE
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PLF	POUNDS PER LINEAR FOOT
PLYWD	PLYWOOD
PNL	PANEL
PNT	PAINT OR PAINTED
PREFAB	PREFABRICATED
PROJ	PROJECT
PSF	POUNDS PER SQUARE FOOT
PT	PRESSURE TREATED
PTD	PAINTED
PVC	POLYVINYL CHLORIDE
QT	QUARRY TILE
QTY	QUANTITY
RA	RETURN AIR
RB	RESILIENT BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
RDL	ROOF DRAIN LEADER
REC	RECESSED
RECPT	RECEPTACLE
REF	REFERENCE
REF	REFRIFERATOR
REFR	REFRIGERATOR
REINF	REINFORCED REINFORCING
REQ	REQUIRE/REQUIRED
REV	REVISION/REVISED
RM	ROOM
RO	ROUGH OPENING
RTD	RATED
RTG	RATING
RWL	RAIN WATER LEADER
S	SOUTH
SA	SUPPLY AIR
SC	SOLID CORE
SD	STORM DRAIN
SECT	SECTION

SF	SQUARE FEET/FOOT
SHT	SHEET
SIM	SIMILAR
SM	SHEET METAL
SM	SURFACE MOUNTED
SPEC	SPECIFIED OR SPECIFICATION
SPK	SPRINKLER OR SPEAKER
SPKR	SPEAKER
SQ	SQUARE
SS	STAINLESS STEEL
STC	SOUND TRANSMISSION COEFFICIENT
STL	STEEL
STOR	STORAGE
STRG	STRINGER
STRUCT	STRUCTURE OR STRUCTURAL
SUSP	SUSPENDED
SYM	SYMMETRICAL
SYS	SYSTEM
T	TREAD
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TELE	TELEPHONE
TEMP	TEMPORARY
THK	THICKNESS
TKBD	TACK BOARD
TLT	TOILET
TMPD	TEMPERED
TO	TOP OF
TOB	TOP OF BEAM
TOC	TOP OF CONCRETE
TOS	TOP OF STEEL
TS	TUBE STEEL
TV	TELEVISION
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UON	UNLESS OTHERWISE NOTED
VAR	VARIES
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VR	VAPOR RETARDER
VT	VINYL TILE
VWC	VINYL WALL COVERING
W	WIDE/WEST
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WP	WATERPROOF/ WATERPROOFING
WPM	WATERPROOF MEMBRANE
WSCT	WAINSCOT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH

ARCHITECTURAL

CS1 COVER SHEET
AD1.1 FIRST FLOOR DEMOLITION PLAN
A1.1 FIRST FLOOR PLAN
A6.1 FIRST FLOOR REFLECTED CEILING PLAN
A8.1 GROUND FLR INTERIOR PLAN & EQUIP. SCHEDULES

PLUMBING

P0.1 PLUMBING NOTES & SCHEDULES
P1.1 PLUMBING PLANS

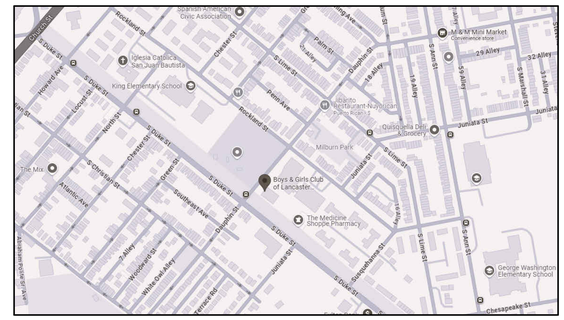
MECHANICAL

M0.1 HVAC NOTES & SCHEDULES
M1.1 HVAC PLANS

ELECTRICAL

E0.1 ELECTRICAL NOTES & SCHEDULES
E1.1 ELECTRICAL PLANS

LOCATION MAP



PROJECT SUMMARY

THE PROPOSED PROJECT IS AT THE EXISTING BOYS & GIRLS CLUB OF LANCASTER - SOUTHEAST CLUBHOUSE LOCATED AT 333 DAUPHIN ST, LANCASTER, PA 17602

THE PROJECT CONSISTS OF RENOVATION OF THE EXISTING RESTROOMS. THE RENOVATIONS WILL INCLUDE NEW WALLS, DOORS, TOILET FIXTURES AND ACCESSORIES, AND FINISHES. PLUMBING, MECHANICAL, AND ELECTRICAL SCOPE WILL ALSO BE INCLUDED.

BUILDING CODE ANALYSIS:

PENNSYLVANIA UNIFORM CONSTRUCTION CODE (UCC):
INTERNATIONAL BUILDING CODE - 2018
INTERNATIONAL EXISTING BUILDING CODE - 2018
INTERNATIONAL FIRE CODE - 2018
INTERNATIONAL PLUMBING CODE - 2018
INTERNATIONAL ENERGY CONSERVATION CODE - 2018
INTERNATIONAL MECHANICAL CODE - 2018
ICC A117.1 - 2012 ACCESSIBILITY CODE

PLUMBING CODE ANALYSIS:

INTERNATIONAL PLUMBING CODE - 2018

403.1.1 FIXTURE CALCULATIONS
TO DETERMINE THE OCCUPANT LOAD OF EACH SEX, THE TOTAL OCCUPANT LOAD SHALL BE DIVIDED IN HALF. TO DETERMINE THE REQUIRED NUMBER OF FIXTURES, THE FIXTURE RATIO OR RATIOS FOR FIXTURE TYPE SHALL BE APPLIED TO THE OCCUPANT LOAD OF EACH SEX IN ACCORDANCE WITH TABLE 403.1

2018 EXISTING INTERNATIONAL BUILDING CODE 810.1 MINIMUM FIXTURES:
WHERE THE OCCUPANT LOAD OF THE STORY IS INCREASED BY 20 PERCENT, PLUMBING FIXTURES FOR THE STORY SHALL BE PROVIDED IN QUANTITIES SPECIFIED IN THE INTERNATIONAL PLUMBING CODE BASED ON THE INCREASED OCCUPANT LOAD.

BUILDING REQUIREMENTS

EXISTING OCCUPANCY NO CHANGE

REQUIRED PLUMBING FIXTURES

WC MEN: 1
WC WOMEN: 2
LAVS MEN: 1
LAVS WOMEN: 1

PROPOSED PLUMBING FIXTURES

WC MEN: 2
WC WOMEN: 2
LAVS: 3

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CONSULTANT:

RENOVATIONS TO
SE CLUBHOUSE
BOYS & GIRLS CLUB
333 DAUPHIN ST, LANCASTER, PA 17602

ISSUE DATES
DATE: 10/01/2024 DESCRIPTION: BID DOCUMENTS

PROJ # : 24-BGC-01 DRAWN BY : SAB

SHEET TITLE:
COVER SHEET

SHEET NUMBER:
CS1

BID

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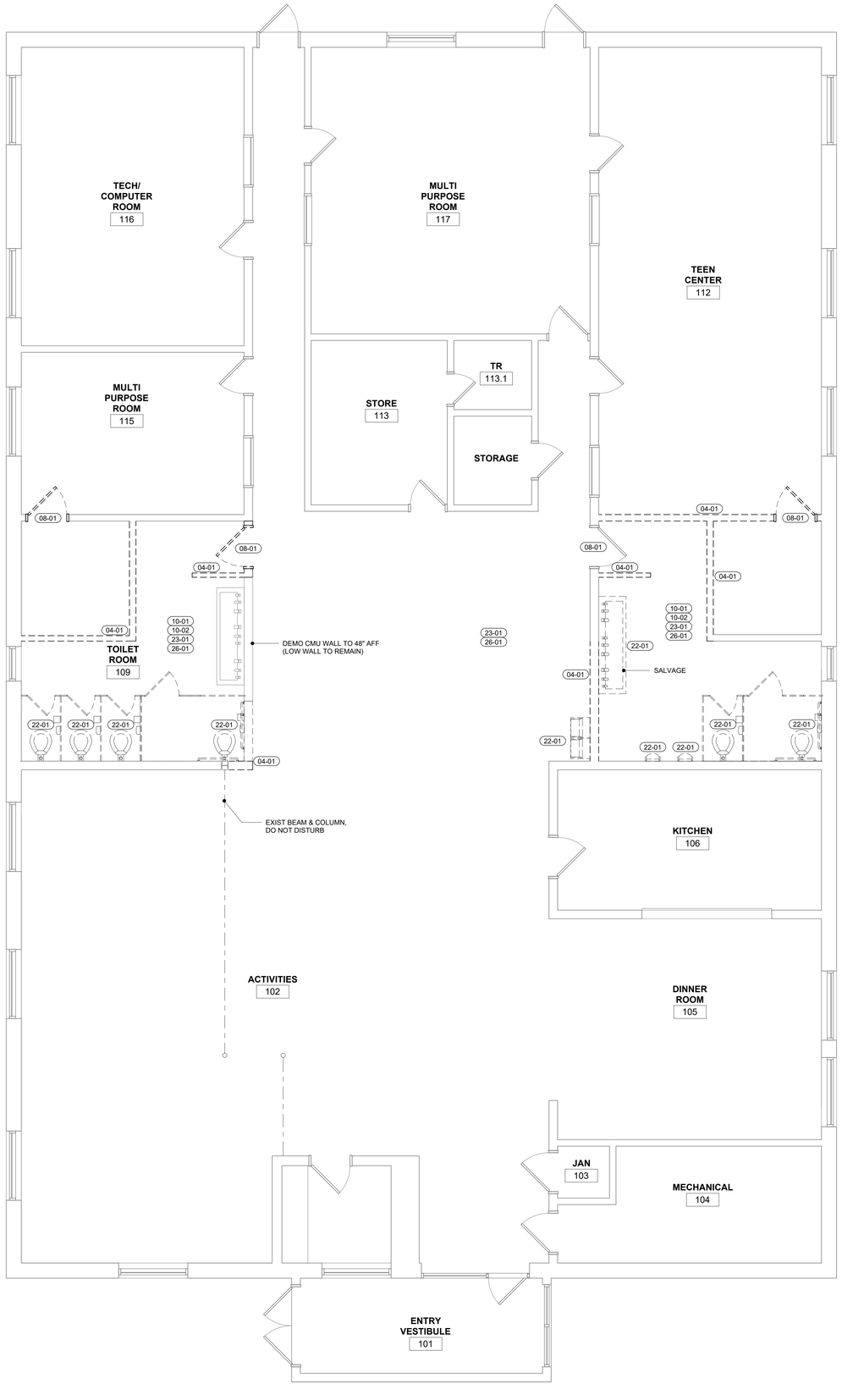

SPECIFIC DEMOLITION NOTES - SHEET AD1.1

04-01	REMOVE MASONRY WALL CONSTRUCTION. REFER TO ARCHITECTURAL AND STRUCTURAL DWGS. FOR EXTENT AND COORDINATION.
08-01	REMOVE DOOR, HARDWARE AND FRAME
10-01	REMOVE TOILET ACCESSORIES - ENTIRE ROOM, SALVAGE
10-02	REMOVE TOILET PARTITIONS - ENTIRE ROOM
22-01	REFER TO PLUMBING DRAWINGS FOR REMOVAL OF PLUMBING FIXTURES AND EQUIPMENT
23-01	REFER TO HVAC DRAWINGS FOR REMOVAL OF HVAC COMPONENTS
26-01	REFER TO ELECTRICAL DRAWINGS FOR REMOVAL OF ELECTRICAL EQUIPMENT - BY ELECTRICAL CONTRACTOR

1 AD1.1 **FIRST FLOOR - DEMOLITION PLAN**
1/4" = 1'-0"

0 4' 8' 12' 16'

N W E S TRUE NORTH
PLAN NORTH

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SE CLUBHOUSE
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333 DAUPHIN ST, LANCASTER, PA 17602

ISSUE DATES

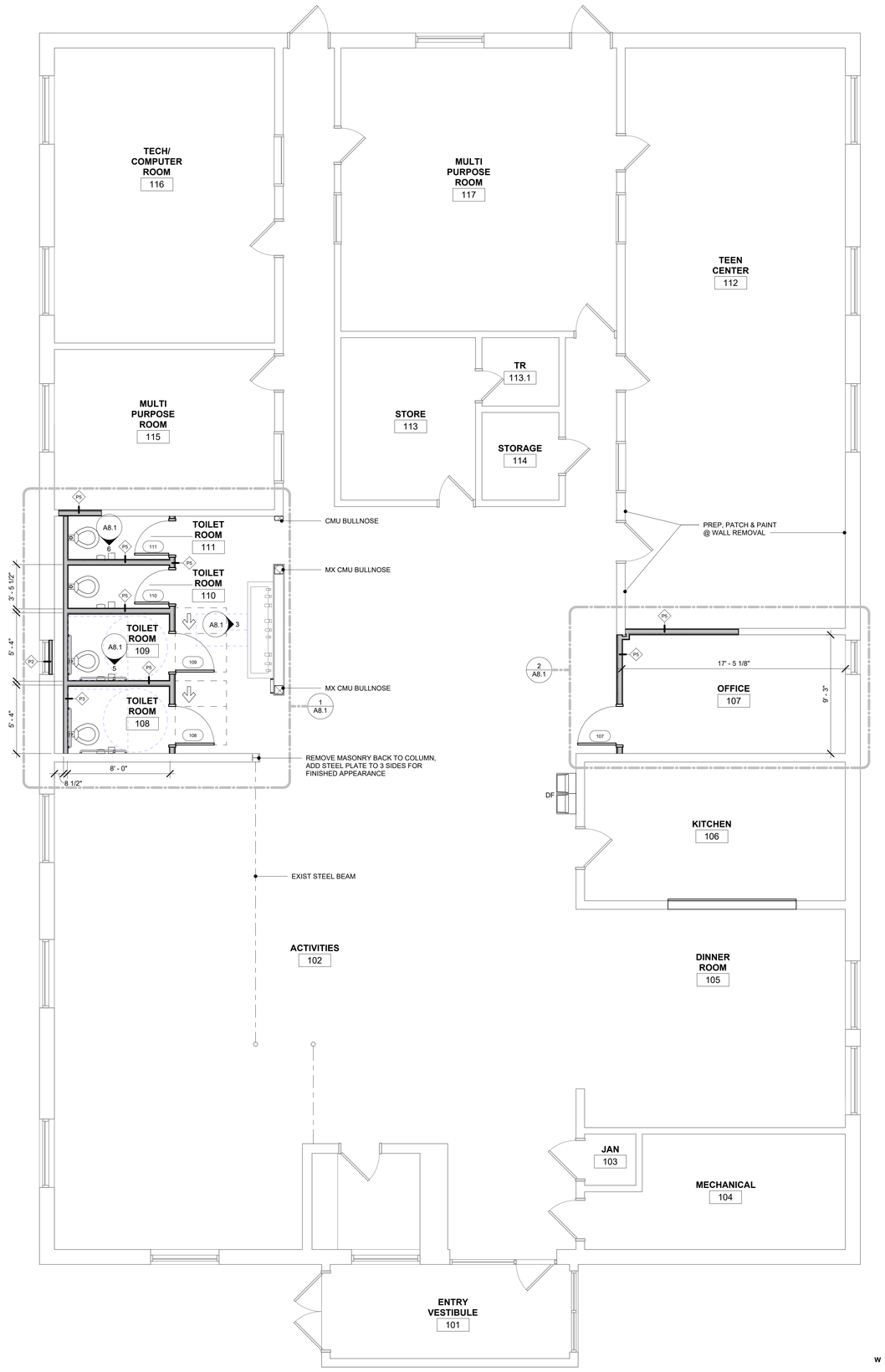
DATE:	DESCRIPTION:
10/01/2024	BID DOCUMENTS

PROJ # : 24-BGC-01 DRAWN BY : SAB

SHEET TITLE:
FIRST FLOOR DEMOLITION PLAN

SHEET NUMBER:
AD1.1

BID



5 FIRST FLOOR - RENOVATION PLAN
A1.1 1/4" = 1'-0"

DOOR SCHEDULE

DOOR NUMBER	Width	DOOR SIZE HEIGHT	DOOR TYPE	DOOR MATERIAL	FIRE RATING	FRAME TYPE	FRAME MATERIAL	FRAME HEAD	FRAME JAMB	COMMENTS
107	3' - 0"	7' - 0"	G	WD	-	HM1	HM	8/A1.1	9/A1.1	
108	3' - 0"	7' - 0"	F	HM	-	HM1	HM	8/A1.1	9/A1.1	
109	3' - 0"	7' - 0"	F	HM	-	HM1	HM	8/A1.1	9/A1.1	
110	2' - 8"	7' - 0"	F	HM	-	HM1	HM	8/A1.1	9/A1.1	
111	2' - 8"	7' - 0"	F	HM	-	HM1	HM	8/A1.1	9/A1.1	

PARTITION TYPE SCHEDULE & NOTES

INTERIOR PARTITIONS

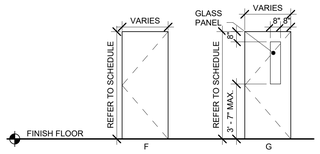
STUD PARTITIONS

P2 — APPLY BLACK FILM TO INSIDE OF ALUM. WINDOW GLASS, INSTALL RIGID INSULATION IN OPENING

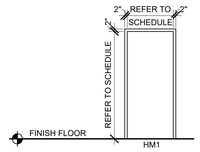
P3 — 3 5/8" MTL. STUDS W/ ONE LAYER OF 5/8" GWB ON ONE SIDE, FILL W/ ACOUS. BATT INSUL.
NOTE: (2) BACK-TO-BACK P3 WALLS: STC-50

P5 — 3 5/8" MTL. STUDS W/ (1) LAYER 5/8" GWB, FILL W/ ACOUS. BATT INSUL, (2) LAYERS 5/8" GWB. STC-50

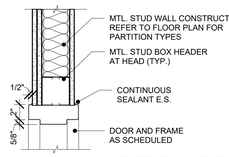
MX — MASONRY INFILL TO MATCH EXISTING WALL UNLESS NOTED OTHERWISE



6 DOOR TYPES
A1.1 1/4" = 1'-0"

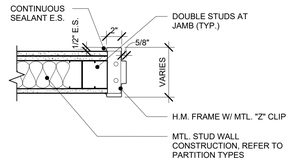


7 HOLLOW METAL FRAME TYPES
A1.1 1/4" = 1'-0"

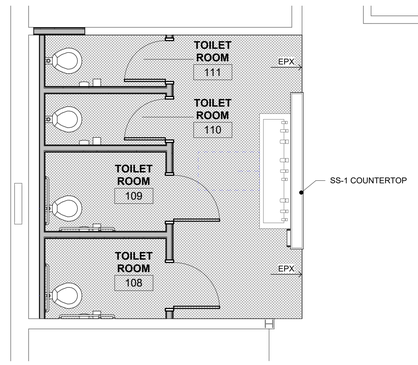


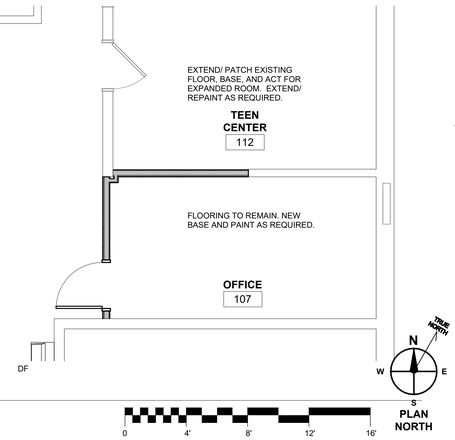
NOTE: PROVIDE ANCHOR AT HEAD AS RECOMM. BY MANUF.

8 HEAD DETAIL
A1.1 1 1/2" = 1'-0"



9 JAMB DETAIL
A1.1 1 1/2" = 1'-0"





10 FIRST FLOOR - PARTIAL FINISH PLAN
A1.1 1/4" = 1'-0"

PARTIAL ROOM FINISH SCHEDULE

NUMBER	NAME	FLOOR FINISH	SUB-FLR	BASE	WALL FINISH N	WALL FINISH E	WALL FINISH S	WALL FINISH W	Ceiling Finish	COMMENTS
102	ACTIVITIES	---	CONCRETE	EXIST	---	PNT	---	---	---	EXTEND EXISTING BASE AS REQUIRED AT NEW PARTITION. PAINT NEW PARITION & DOOR FRAME.
107	OFFICE	EXIST	CONCRETE	EXIST	PNT	---	---	PNT	ACT	EXTEND EXISTING BASE AS REQUIRED AT NEW PARTITIONS.
108	TOILET ROOM	EPX	CONCRETE	EPX	WP/ PNT	WP/ PNT	PNT	WP/ PNT	ACT	
109	TOILET ROOM	EPX	CONCRETE	EPX	WP/ PNT	WP/ PNT	WP/ PNT	WP/ PNT	ACT	
110	TOILET ROOM	EPX	CONCRETE	EPX	WP/ PNT	WP/ PNT	WP/ PNT	WP/ PNT	ACT	
111	TOILET ROOM	EPX	CONCRETE	EPX	WP/ PNT	WP/ PNT	WP/ PNT	WP/ PNT	ACT	
112	TEEN CENTER	EXIST	CONCRETE	EXIST	---	---	PNT	---	EXIST/ACT	EXTEND FLOORING, WALL BASE, AND CEILING AS REQUIRED FOR ENLARGED SPACE.

FINISH LEGEND

FLOOR FINISHES

EPX
DUREX DYMAFLAKE, COLOR: TBD

EXIST
EXISTING FLOORING TO REMAIN

BASE FINISHES

EPX
EPOXY BASE

WALL FINISHES

WP
WALL PROTECTION PANELS, ACROVYN SELECTED FROM MANUFACTURER'S FULL RANGE

CEILING FINISHES

ACT
ACOUSTIC CEILING TILE; REFER TO SPECIFICATION FOR PRODUCT TYPES AND SPECIFIC LOCATIONS.

PAINT

PNT-1
COLOR TO MATCH EXISTING WALL PAINT

PNT-2
SHERWIN WILLIAMS, TRIM PAINT
COLOR: TBD

COUNTERTOP FINISHES

SS-1
SOLID SURFACE COUNTERTOP, CORIAN OR SIM.; SELECTED FROM MANUFACTURER'S FULL COLOR RANGE

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CONSULTANT:

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333 DAUPHIN ST, LANCASTER, PA 17602

ISSUE DATES

DATE:	DESCRIPTION:
10/01/2024	BID DOCUMENTS

PROJ # : 24-BGC-01 DRAWN BY : SAB

SHEET TITLE:

FIRST FLOOR PLAN

SHEET NUMBER:

A1.1

BID

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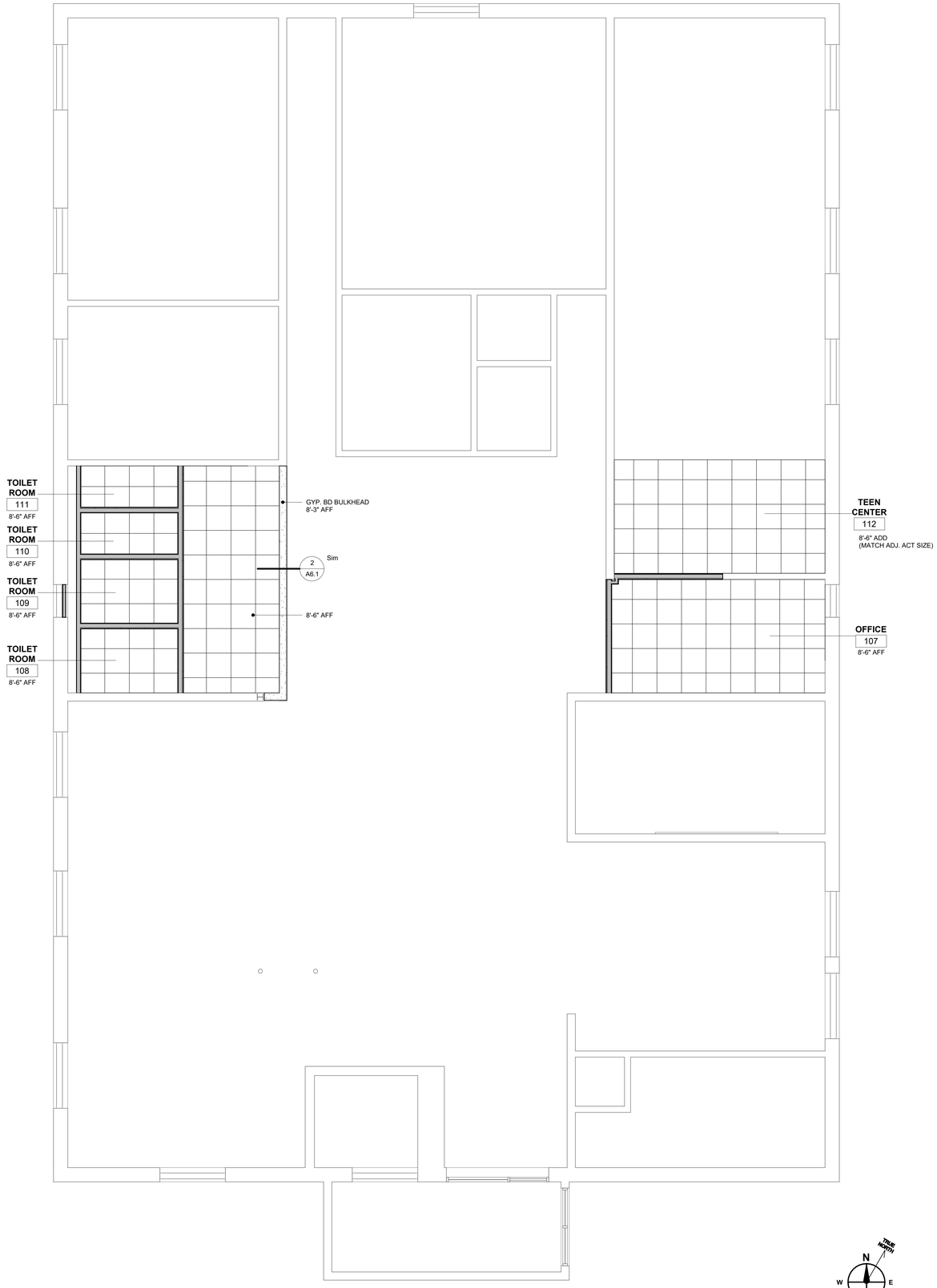
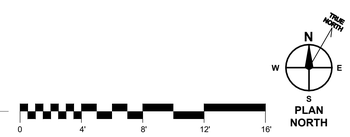


1 A6.1 FIRSRT FLOOR - REFLECTED CEILING PLAN

1/4" = 1'-0"



GENERAL ACOUSTICAL CEILING INSTALLATION NOTES

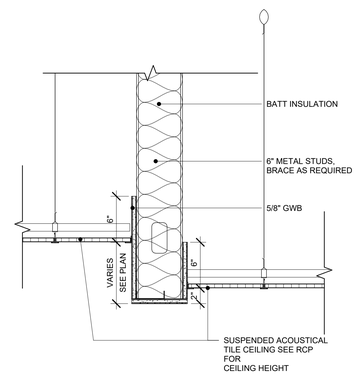
1. THE CONTRACTOR SHALL FIELD CHECK THE PREMISES AND VERIFY THAT THE CEILING LAYOUT SHOWN ON THE DRAWINGS CAN BE ACCOMIDATED AND VERIFY ALL CLEARANCES AS REQUIRED FOR ALL LIGHTING FIXTURES, DUCT WORK, AND SPRINKLERS BEFORE PROCEEDING WITH ANY INSTALLATION. REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO PROCEEDING.
2. REVIEW CEILING LAYOUT WITH MEP COORDINATION DRAWINGS.
3. CEILING SHALL BE TRUE, FLAT, STRAIGHT AND REGULAR. PROVIDE STABILIZER BARS AS REQUIRED TO DISTRIBUTE LOAD EQUALLY OVER TWO OR MORE RUNNERS.
4. LEVEL CEILING TO BE WITHIN 1/8" IN 12 FEET IN ANY DIRECTION. LEVEL WITH HANGER WIRE TAUT AND PLUMB, WITHOUT KINKING OR BENDING HANGER WIRES.
5. INSTALL MAX. LENGTHS OF EDGE MOLDING AT INTERSECTION OF CEILING AND VERTICAL SURFACE. MITRE ALL CORNERS.
6. COORDINATE INSTALLATION WITH ELECTRICAL, MECHANICAL AND SPRINKLR REQUIREMENTS.
7. INSTALL CEILING TILE HOLD DOWN CLIPS IN ALL VESTIBULES, AIR LOCKS AND PARTITIONS WITH CUT CEILING TILES.
8. LAY DIRECTIONAL PATTERN UNITS IN SINGLE DIRECTION.
9. ALL FIXTURE TRIM (LIGHTING, SPEAKER, HVAC GRILLS, ETC.) SHALL BE METAL AND PAINTED TO MATCH ADJACENT CEILING FINISH. PLASTIC TRIM IS NOT ACCEPTABLE UNLESS APPROVED BY THE ARCHITECT.
10. REGULAR CEILING TILE TO BE CUT AND FITTED SNUG AGAINST PARTITIONS. DO NOT SHIM THE GRID TO ALLOW CEILING TILE TO PASS OVER TOP OF PARTITION.
11. FINAL GRID HEIGHTS AND LAY-OUT TO BE DETERMINED IN THE FIELD FOLLOWING COORDINATION.

GENERAL REFLECTED CEILING PLAN LEGEND AND NOTES:

- INDICATES A LIGHTING FIXTURE, REFER TO ELECTRICAL DWGS.
- INDICATES A HVAC DIFFUSER, REFER TO MECHANICAL DWGS.
- INDICATES A EXHAUST FAN W/ LED LIGHT, REFER TO MEP DWGS.
- INDICATES CRITICAL ENVIRONMENT DIFFUSER, REFER TO MECHANICAL DWGS.
- INDICATES PYRAMID DIFFUSER, REFER TO FINISH SCHEDULE.
- INDICATES 2X4 A.C.T. CEILING, REFER TO FINISH SCHEDULE.
- INDICATES 2X2 A.C.T. CEILING, REFER TO FINISH SCHEDULE.
- INDICATES G.W.B. CEILING, REFER TO FINISH SCHEDULE.

NOTES:

1.) REFER TO FINISH SCHEDULE FOR CEILING MATERIALS.
2.) REFER TO WALL AND BUILDING SECTIONS FOR INFORMATION RELATED TO SLOPED CEILINGS.
3.) ALL EXPOSED STRUCTURE IS TO BE PAINTED - COLOR SELECTION BY ARCHITECT.
4.) ALL EXPOSED EQUIPMENT IS TO BE PAINTED - COLOR SELECTION BY ARCHITECT. EXPOSED MECHANICAL, ELECTRICAL, PLUMBING AND ARCHITECTURAL TO BE PAINTED.



2 A6.1 TYPICAL BULKHEAD DETAIL

1 1/2" = 1'-0"

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10/01/2024	BID DOCUMENTS

PROJ # : 24-BGC-01 DRAWN BY : SAB

SHEET TITLE:

FIRST FLOOR REFLECTED CEILING PLAN

SHEET NUMBER:

A6.1

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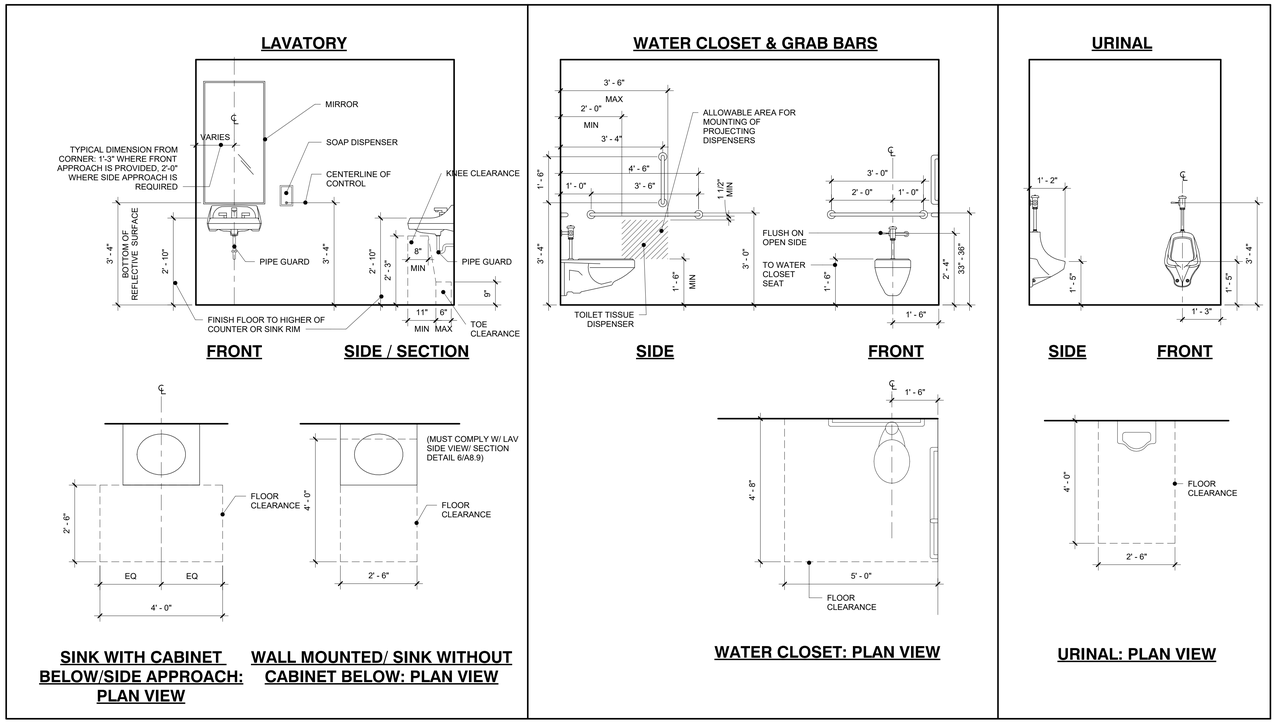
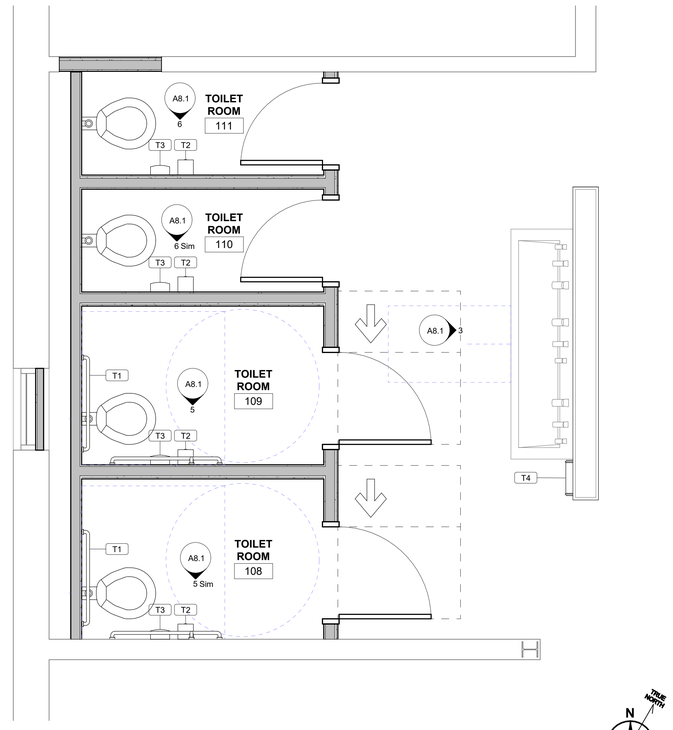
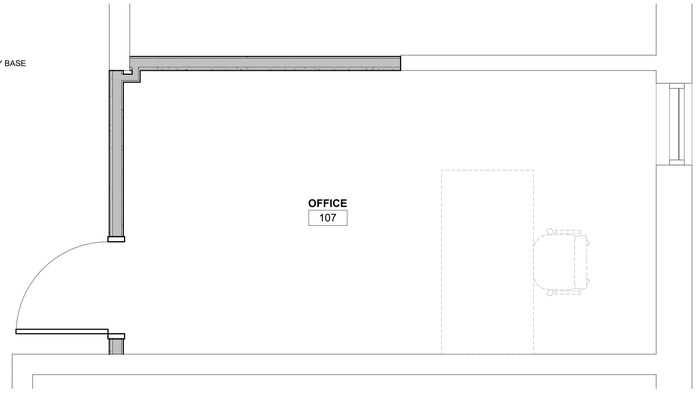


4 A8.1 **ACCESIBILITY DETAILS**
1/2" = 1'-0"

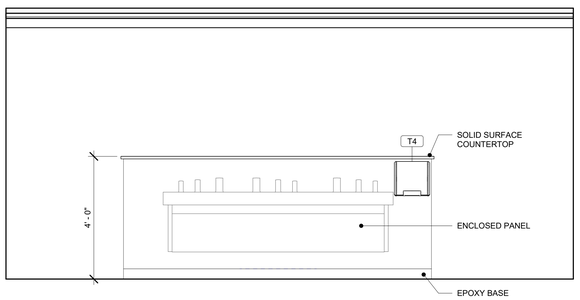
TOILET ACCESSORY SCHEDULE		
Type Mark	Description	Comments
T1	Grab Bar Set - Water Closet	
T2	Surface-Mounted Multi-Roll Toilet Tissue Dispenser	
T3	SANITARY NAPKIN DISPOSAL, SURFACE-MOUNTED	
T4	Automatic Surface Mounted ADA Hand Dryer	



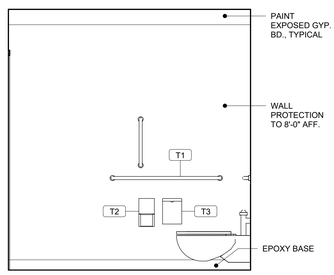
1 A8.1 **ENLARGED PLAN - RESTROOMS**
1/2" = 1'-0"



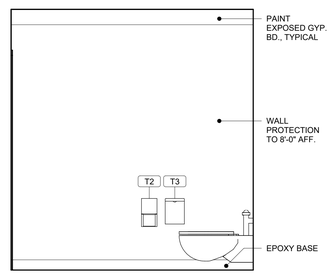
2 A8.1 **ENLARGED PLAN - OFFICE**
1/2" = 1'-0"



3 A8.1 **INTERIOR ELEVATION**
1/2" = 1'-0"



5 A8.1 **INTERIOR ELEVATION**
1/2" = 1'-0"
109 TOILET ROOM



6 A8.1 **INTERIOR ELEVATION**
1/2" = 1'-0"
111 TOILET ROOM

MAROTTA/MAIN ARCHITECTS
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SEAL:

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CONSULTANT:

RENOVATIONS TO
SE CLUBHOUSE
BOYS & GIRLS CLUB
333 DAUPHIN ST, LANCASTER, PA 17602

ISSUE DATES
DATE: 10/01/2024 DESCRIPTION: BID DOCUMENTS

PROJ # : 24-BGC-01 DRAWN BY : SAB

SHEET TITLE:
GROUND FLR INTERIOR PLAN & EQUIP. SCHEDULES

SHEET NUMBER:
A8.1

BID

10/1/2024 11:26:20 AM

PLUMBING NOTES:

1. IT IS THE INTENTION OF THE DRAWINGS TO CALL FOR FINISHED WORK, TESTED AND READY FOR OPERATION. ANY APPARATUS, APPLIANCE, MATERIAL OR WORK NOT INDICATED ON THE DRAWINGS OR ANY INCIDENTAL ACCESSORIES REQUIRED TO MAKE THE WORK COMPLETE TO ALL RESPECTS AND READY FOR OPERATION SHALL BE FURNISHED, DELIVERED AND INSTALLED WITHOUT ADDITIONAL EXPENSE OR TIME TO THE PROJECT.
2. EACH CONTRACTOR SHALL PROVIDE OPENINGS THROUGH THE CONSTRUCTION AND SLEEVES AS REQUIRED FOR CONTRACTOR'S WORK. ANY PIPING OR CONDUIT PASSING THROUGH MASONRY OR CONCRETE WALLS OR FLOORS SHALL BE PROVIDED WITH SLEEVES AS PER SPECIFICATIONS, FILL THE ANNULAR VOIDS AS PER THE SPECIFICATIONS.
3. TAKE PRECAUTION AGAINST DAMAGE TO ANY EXISTING UTILITIES, AND CONSTRUCTION NOT INCLUDED WITHIN THE SCOPE OF WORK.
4. THE DRAWINGS ARE DIAGRAMATIC AND INDICATE THE GENERAL ARRANGEMENT OF THE VARIOUS SYSTEMS AND WORK INDICATED IN THE CONTRACT. THE RIGHT IS RESERVED TO MAKE MINOR CHANGES IN LOCATIONS UP TO THE POINT OF ROUGH-IN WITHOUT ADDITIONAL CHARGE TO THE OWNER OR SCHEDULE EXTENSION.
5. ALL WORK DESCRIBED IN THESE DOCUMENTS SHALL COMPLY WITH ALL RELEVANT CODES.
6. MAINTAIN THE INTEGRITY OF ALL EXISTING PIPING SYSTEMS. PRIOR TO CONNECTING NEW WORK TO ANY EXISTING SYSTEM, CONFIRM SYSTEM IDENTIFICATION AND DIRECTION OF FLOW. VERIFY THAT EXISTING PIPING IDENTIFICATION LABELS ARE CORRECT, AND PROVIDE ALL INSTALLATION REQUIREMENTS FOR PROPER CONNECTION TO THE EXISTING SYSTEM.
7. PROVIDE ALL NECESSARY TEMPORARY OR PERMANENT CAPS OR PLUGS FOR PIPING. DO NOT LEAVE PIPING OPEN ENDED.
8. PRIOR TO STARTING CONSTRUCTION, DETERMINE EXACT INVERT ELEVATIONS, SIZE, DEPTH AND LOCATION OF ALL EXISTING UTILITIES WHERE CONNECTIONS ARE TO BE MADE OR INTERSECTIONS OCCUR. WORK BACK TOWARD FIXTURE FROM UTILITY CONNECTION FOR ALL PIPING SYSTEMS.
9. PROVIDE THREE (3) ELBOW SWING JOINTS FOR ALL HOT WATER BRANCH CONNECTIONS TO THE MAIN.
10. INSTALL ALL SHOCK ABSORBERS IN ACCORDANCE WITH THE LATEST "PLUMBING AND DRAINAGE INSTITUTE" STANDARDS FOR WATER HAMMER ARRESTORS.
11. LOCATE ACCESS PANELS IN NON ACCESSIBLE CEILINGS AND WALLS FOR ALL VALVES, SHOCK ABSORBERS, CLEANOUTS AND ALL OTHER ITEMS THAT REQUIRE ACCESS TO PROPERLY MAINTAIN OR SERVICE THE BUILDING. COORDINATE ALL FINAL LOCATIONS WITH ENGINEER PRIOR TO INSTALLATION. FAILURE TO DO SO MAY CAUSE A RELOCATION OF FIXTURE AND ACCESS PANELS WITHOUT ADDITIONAL EXPENSE OR TIME TO THE PROJECT.
12. SANITARY AND VENT PIPING SHALL BE PVC. DOMESTIC WATER SHALL BE TYPE L COPPER TO MATCH THE EXISTING PIPING.
13. COORDINATE ALL SANITARY AND VENT PIPING WITH MECHANICAL DUCTWORK AND ELECTRICAL LIGHTING.
14. ALL SANITARY PIPING SHALL BE PVC, 3" OR LARGER TO SLOPE AT 1/8" PER FOOT MINIMUM, PIPING SMALLER TO SLOPE AT 1/4" PER FOOT MINIMUM UNLESS OTHERWISE NOTED.
15. ALL SANITARY PIPING TO RUN BELOW FLOOR, ALL VENT PIPING TO RUN ABOVE CEILING UNLESS OTHERWISE NOTED.
16. ALL PIPE PENETRATIONS TO HAVE FIRE RATED SLEEVE AND PACKAGING.
17. MINIMUM INVERT FOR SANITARY STACKS BELOW FIRST FLOOR TO BE 1'-6" UNLESS OTHERWISE NOTED.
18. FOR TRAP PRIMING OF ALL FLOOR DRAINS, PROVIDE PROSET SYSTEMS INC, TRAP GUARD, AS AN ADDED ALTERNATE, TO PROSET, ZURN TRAP PRIMER Z-1022, OR SIMILAR PRODUCT MAY BE SPECIFIED.
19. PROVIDE ACCESSIBLE CLEANOUTS AT THE BASE OF ALL SANITARY STACKS.
20. PLUMBING CONTRACTOR SHALL COORDINATE HIS WORK WITH WORK OF ALL OTHER CONTRACTORS PRIOR TO START OF PLUMBING SYSTEM INSTALLATION.
21. FOR MOUNTNG HEIGHTS OF ALL PLUMBING FIXTURES, SEE ARCHITECTURAL DRAWINGS.
22. INSULATE COLD WATER MAINS AND RISERS WITH $\frac{1}{2}$" FIBERGLASS INSULATION. INSULATE HOT WATER MAINS AND RISERS WITH 1" FIBERGLASS INSULATION.
23. ALL SHUT-OFFS VALVES TO BE OPEN PORT VALVES PER IPC 601.1.
24. WATER TEMPERATURE AT PUBLIC HAND WASHING FACILITIES SHALL BE CONTROLLED BY AN ASSE 1070 MIXING VALVE.
25. SEE PLUMBING SCHEDULES FOR CONNECTION SIZES AND LOADS.
26. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL HANDI-CAP FIXTURES. MOUNT THESE FIXTURES IN ACCORDANCE WITH THE STATE ADOPTED BARRIER FREE SUBCODE WITH RESPECT TO SUCH ASPECTS AS MOUNTING HEIGHT, DISTANCE FROM GRAB BARS, LOCATION OF HAND CONTROLS, CLEARANCES, ETC.
27. PROVIDE INDIVIDUAL SHUT-OFF VALVES AT ALL WATER CONNECTIONS TO FIXTURES AND EQUIPMENT.
28. INSTALL ALL PIPING WITHIN THE BUILDING INSULATED ENVELOPE TO PREVENT FREEZING.
29. THE PLUMBING CONTRACTOR SHALL INSTALL PIPING SO AS NOT TO ENCROACH ON REQUIRED CLEARANCES ABOVE ANY ELECTRIC PANEL/SWITCHBOARDS. NO PIPING SHALL BE INSTALLED DIRECTLY OVER ELECTRICAL PANELS AND NO PIPING SHALL BE INSTALLED WITH THE BOTTOM AT LESS THAN 6'-6" ABOVE THE WORKING SPACE IN FRONT OF ANY ELECTRIC PANELS/SWITCHBOARDS.
30. THE PLUMBING CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS TO ALL FIXTURES AND EQUIPMENT UNLESS OTHERWISE NOTED.
31. ALL VENT PIPING SHALL BE SLOPED TO DRAIN BACK TO THE DRAINAGE SYSTEM.
32. ALL MATERIAL, EQUIPMENT AND ACCESSORIES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS. COORDINATE EXACT LOCATIONS TO ACCOMMODATE ALL REQUIRED CLEARANCES AND OBSERVE ALL REQUIREMENTS FOR VALVING AND CONNECTIONS.
33. SEE PLUMBING SCHEDULE FOR BRANCH MINIMUM PIPE BRANCH SIZES.
34. BEFORE ORDERING NEW FIXTURES VERIFY THAT THERE IS ENOUGH AVAILABLE WATER PRESSURE AND GPM FOR PROPER USE.
35. FOLLOW ALL PLUMBING REQUIREMENTS SET FORTH BY THE 2018 INTERNATIONAL PLUMBING CODE.
36. THE CONTRACTOR SHALL GUARANTEE MATERIALS AND WORKMANSHIP FREE OF DEFECT FOR ONE YEAR AFTER DATE OF ACCEPTANCE BY THE OWNER. REPLACE ALL DEFLECTIVE PIPING AND VALVES AS REQUIRED WHEN MODIFYING PIPING.
37. THE CONTRACTOR SHALL USE THE SCHEDULED PLUMBING FIXTURES LISTED OR AN OWNER APPROVED EQUIVALENT. THE CONTRACTOR SHALL SUBMIT FIXTURES FOR REVIEW AND APPROVAL BEFORE PLACING ANY ORDERS.
38. WATER LINES TO BE FLUSHED AND BACTERIA TESTED UPON COMPLETION.

PLUMBING:

SYMBOL	DESCRIPTION
	WALL HYDRANT
CW	COLD WATER SUPPLY PIPING
HW	HOT WATER SUPPLY PIPING
CO/WCO	CLEAN OUT/WCO
FD	FLOOR DRAIN
WH	WALL HYDRANT
W	SANITARY WASTE
V	VENT
UTR	UP THRU ROOF
FCO	FLOOR CLEANOUT
	CHECK VALVE
	SHUT OFF VALVE
	GAS PRESSURE REGULATOR

SANITARY PLUMBING SYMBOL SCHEDULE

	BELOW SLAB SEWER PIPING
	ABOVE SLAB SEWER PIPING
	SANITARY VENT PIPING
	CONNECTION TO EXISTING

DOMESTIC WATER PLUMBING SYMBOL SCHEDULE

	DOMESTIC COLD WATER PIPING
	DOMESTIC HOT WATER PIPING
	FILTERED COLD WATER PIPING
	CONNECTION TO EXISTING
	CHECK VALVE
	BALL VALVE

GAS PLUMBING SYMBOL SCHEDULE

	GAS PIPING
	CONNECTION TO EXISTING
	GAS VALVE
	GAS REGULATOR

PLUMBING FIXTURE SCHEDULE

TAG	QNTY	DESCRIPTION	MANUF.	MODEL	SAN.	VENT	CW	HW	NOTES
WC	4	WATER CLOSET WALL MOUNTED (ADA)	AMERICAN STANDARD	2294.011EC	3"	2"	1"	-	PROVIDE W/ MOUNTED HARDWARE, MATCHING SLOAN PROVIDE TOUCHLESS BATTERY FLUSHOMETER

NOTES:
1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING HEIGHT OF ALL FIXUTES AND LOCATIONS OF ADA FIXTURES.
2. AN APPROVED EQUAL MAY BE USED FOR ALL FIXTURES SPECIFIED IF QUALIFIED IN BID.
3. CONTRACTOR SHALL PROVIDE AND INSTALL WATTS, ZERN, P.P.P.INC. (OR EQUAL) TRAP SEALS TO SERVE ALL FLOOR DRAINS REQUIRING PROTECTION PER CODE.
4. LAVATORY & KITCHEN SINKS ARE TO BE PROVIDED WITH ASSE 1070 RATED MIXING VALVES TO LIMIT WATER TEMP TO 110 DEGREES
5. FLOOR DRAINS SHALL BE PROVIDE WITH GREEN DRAIN TRAP SEAL. SERIES INLINE FLOOR DRAIN TRAP SEAL WITH UV RESISTANT ABS PLASTIC FRAME, SILICONE RUBBER SEALING FLAPPER AND FOUR FLEXIBLE SEALING RIBS. TESTED AND CERTIFIED TO THE ASSE 1072 STANDARD AND LISTED WITH IAPMO AND I.C.C. SPECIFY CONNECTION SIZE. OR APPROVED EQUAL
6. PLUMBING CONTRACTOR SHALL REVIEW AND COORDINATE PLUMBING FIXTURES AND CONNECTION SIZES AND MAKE ANY NECESSARY CHANGES. PLUMBING CONTRACTOR IS RESPONSIBLE FOR COORDINATING ARE FIXTURES AND THEIR CONNECTION SIZES.
7. SUBMIT PLUMBING FIXTURE CUTS TO THE OWNER FOR REVIEW AND APPROVAL BEFORE ORDERING ANY FIXTURES. FIXTURES LISTED ARE PLACE HOLDERS AND NOT FINAL SELECTIONS.
8. VERIFY PLUMBING FIXTURE QUANTITIES.
9. MATCH NEW TO EXISTING FIXTURES AS BEST POSSIBLE.

SEAL

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REVISIONS	DATE
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DRAWN BY: DTP	DATE: 09-30-24
CHECKED BY: DTP	SCALE: AS NOTED

NUMBER: 2024-002

SHEET NAME: PLUMBING NOTES & SCHEDULES

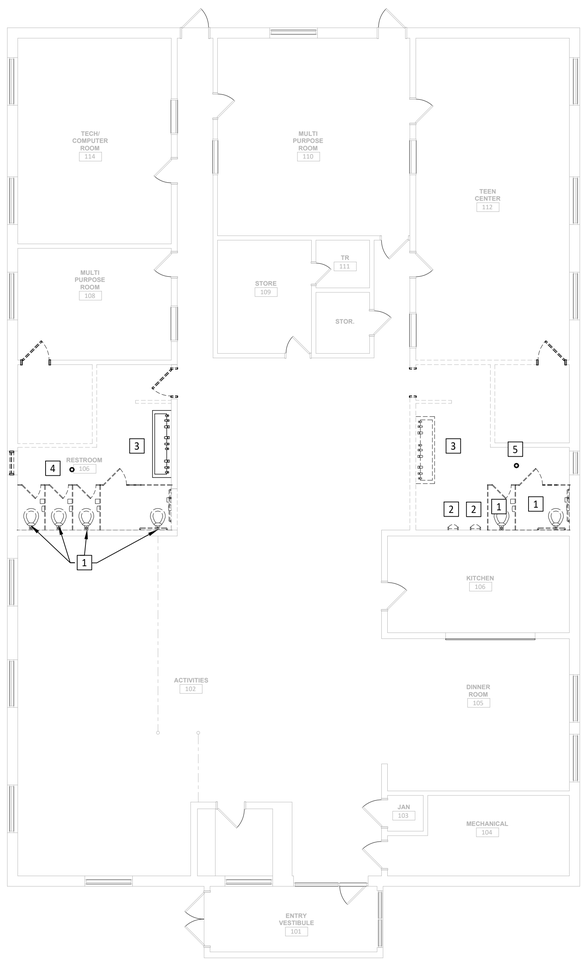
SHEET NUMBER: **P0.1**

GENERAL NOTES

1. BEFORE COMMENCING ANY WORK SURVEY THE EXISTING PLUMBING SYSTEMS TO VERIFY SIZES AND LOCATIONS. VERIFY ACCURACY AND REPORT ANY ISSUES TO ARCHITECT BEFORE STARTING ANY WORK.
2. WHERE POSSIBLE REUSE EXISTING SANITARY AND DOMESTIC WATER PIPING.

DEMO PLUMBING KEY NOTES:

1. DISCONNECT AND REMOVE WATER CLOSETS AND ALL THEIR ACCESSORIES AND HARDWARE. DEMO PIPING AND CAP AS REQUIRED. SEE P0.1 FOR NEW WATER CLOSETS.
2. DEMO EXISTING URINAL. CAP SANITARY AND DOMESTIC WATER PIPING AS NEEDED TO ACCOMMODATE NEW PLUMBING WORK.
3. DISCONNECT, REMOVE AND KEEP EXISTING TROUGH LAVATORY AND PLUMBING FIXTURES FOR REUSE. REUSE ONE LAVATORY AT THIS LOCATION AND THE OTHER AT THE JACK WALKER LOCATION.
4. RELOCATE FLOOR DRAIN. SEE NEW PLUMBING PLAN FOR NEW LOCATION. PROVIDE WITH TRAP GUARD SEAL.
5. DEMO FLOOR DRAIN AND ASSOCIATED PIPING. CAP MAIN AT BRANCH STUB.



FIRST FLOOR - DEMO PLUMBING PLAN

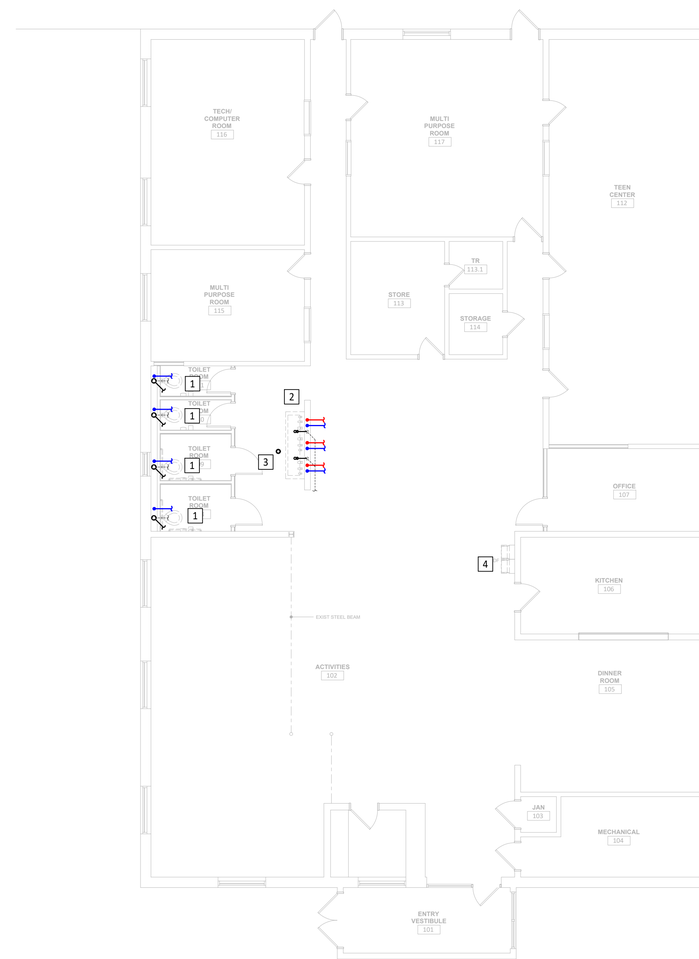
SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. BEFORE COMMENCING ANY WORK SURVEY THE EXISTING PLUMBING SYSTEMS TO VERIFY SIZES AND LOCATIONS. VERIFY ACCURACY AND REPORT ANY ISSUES TO ARCHITECT BEFORE STARTING ANY WORK.
2. WHERE POSSIBLE REUSE EXISTING SANITARY AND DOMESTIC WATER PIPING.
3. SURVEY THE NEW SANITARY DISCHARGE LOCATIONS IN THE BASEMENT AND COORDINATE WITH ALL EXISTING CONDITIONS INCLUDING BUT NOT LIMITED TO STRUCTURAL MEMBERS, LIGHTING, WIRING, FURNITURE, HVAC EQUIPMENT, HVAC DUCTWORK, ETC.

NEW PLUMBING KEY NOTES:

1. PROVIDE AND INSTALL NEW WATER CLOSETS. PROVIDE NEW 1" CW SUPPLY WITH SHUT OFF TO EXISTING MAIN. THE MAIN COLD WATER PIPE SHALL BE A MINIMUM OF 1-1/2" WHERE THE 1" FROM THE NEW WATER CLOSETS CONNECTS. VERIFY THAT THE EXISTING MAIN IS AT LEAST 1-1/2". CONNECT NEW 3" SANITARY INTO EXISTING BASEMENT SEWER DRAIN. COORDINATE WITH OTHER TRADES AND EXISTING CONDITIONS IN THE BASEMENT. PROVIDE 2" VENT FOR EACH WC AND CONNECT INTO EXISTING VENT MAIN ABOVE CEILING.
2. RELOCATED EXISTING LAVATORY WITH REUSED FAUCETS AND DRAINS. TIE INTO EXISTING WATER PIPING AND SANITARY AS REQUIRED. TAP INTO EXISTING AIR VENT PIPING OUT THRU ROOF. TIE INTO EXISTING WATER PIPING AND SANITARY AS REQUIRED. TAP INTO EXISTING AIR VENT PIPING OUT THRU ROOF. MINIMUM DRAINS AND VENT SHALL BE 1-1/2" AND MINIMUM HOT AND COLD WATER TO FIXTURE SHALL BE ½" EACH.
3. RELOCATE FLOOR DRAIN WHERE SHOWN AS REQUIRED. TIE INTO EXISTING SANITARY PIPING. PROVIDE TRAP SEAL INSIDE OF FLOOR DRAIN.
4. RELOCATE EXISTING ELECTRIC BI LEVEL WATER COOLER. TIE INTO EXISTING SANITARY AND WATER PIPING AS REQUIRED. TAP INTO EXISTING AIR VENT PIPING AND VENT OUT THRU ROOF.



FIRST FLOOR - NEW PLUMBING PLAN

SCALE: 1/8" = 1'-0"

SEAL

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DRAWN BY: DTP	DATE: 09-30-24
CHECKED BY: DTP	SCALE: AS NOTED

NUMBER: 2024-002

SHEET NAME: PLUMBING PLANS

SHEET NUMBER

P1.1

GENERAL HVAC NOTES:

1. THE MECHANICAL SYSTEM INDICATED ON THE DRAWINGS ARE GENERALLY DIAGRAMMATIC TO SHOW THE OWNER'S INTENT AND THE MECHANICAL EQUIPMENT LOCATIONS. ALL EQUIPMENT AND ACCESSORIES ARE SHOWN APPROXIMATELY AND SHALL BE INSTALLED CONSISTENT WITH JOB CONDITIONS AND APPLICABLE CODE REQUIREMENTS. THE HVAC CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS NECESSARY FOR A COMPLETE WORKING SYSTEM AND ALL FINAL DESIGN OF THE COMPLETE MECHANICAL SYSTEM.
2. THE MECHANICAL DESIGN AND INSTALLATION SHALL MEET ALL THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION. IT SHALL ALSO MEET THE 2018 INTERNATIONAL BUILDING CODES, 2018 INTERNATIONAL MECHANICAL CODE, NPFA CODES, ENERGY CODES AND THE NATIONAL ELECTRIC CODE.
3. THE MECHANICAL CONTRACTOR SHALL EXAMINE THE ARCHITECTURAL DRAWINGS AND EXISTING SITE TO FULLY INFORM ITSELF OF ALL CONDITIONS BEFORE BIDDING THE PROJECT SO THAT ARE WORK IS FULLY COVERED.
4. THE MECHANICAL CONTRACTOR SHALL PROVIDE A TRAINING WALK THROUGH WITH THE OWNER AND GENERAL CONTRACTOR TO DISCUSS ALL HVAC COMPONENTS AT THE CONCLUSION OF THE PROJECT.
5. THE MECHANICAL CONTRACTOR SHALL SUBMIT AS - BUILT DRAWINGS AND O & M MANUALS AT THE CONCLUSION OF THE PROJECT.
6. ALL SPACES IN THE SCOPE OF WORK ARE TOILET ROOMS AND SHALL MEET THE VENTILATION REQUIREMENTS OF THE 2018 INTERNATIONAL MECHANICAL CODE SECTION 403 TABLE 403.3.1.1 AND BE PROVIDED WITH A MINIMUM EXHAUST RATE OF 70 CFM.
7. INSTALL ALL EQUIPMENT AND ACCESSORIES PER THE MANUFACTURER INSTRUCTIONS. ALLOW THE MANUFACTURERS RECOMMENDED CLEARANCE AROUND ALL COMPONENTS.
8. TAG & LABEL ALL EQUIPMENT PER THE DRAWING LABELS FOR FUTURE REFERENCE.
9. ALL HVAC DUCTWORK SHALL BE GALVANIZED G90 SHEET METAL AND SHALL MEET THE MINIMUM REQUIREMENTS OF THE LATEST EDITION OF THE SMACNA DUCTWORK CONSTRUCTION STANDARDS. SUPPLY AND RETURN DUCTWORK SHALL BE EXTERNALLY WRAPPED WITH BLANKET R-6 INSULATION. ALL DUCTWORK AND GRILL TOPS SHALL BE INSULATED AND SEALED TO PREVENT CONDENSATION. EXHAUST DUCTWORK IS NOT REQUIRED TO BE INSULATED. FLEXIBLE DUCT SUPPORTED PROPERLY WITHOUT KINKS IS ACCEPTABLE UP TO 8' IN LENGTH.
10. ALL BRANCH SUPPLY AND RETURN GRILLES SHALL HAVE VOLUME DAMPERS TO BALANCE EACH AIR DEVICE OUTLET. FLEXIBLE DUCTWORK SHALL BE LIMITED TO 8'- 0" PER BRANCH.
11. ALL DUCTWORK ELBOWS AND TEES SHALL HAVE TURNING VANES INSTALLED TO MINIMIZE STATIC PRESSURE DROP.
12. CONFIRM DUCTWORK WILL FIT IN EXISTING CONDITIONS BEFORE FABRICATION. VERIFY ALL EXISTING CONDITIONS AND REUSE DUCTWORK WHERE CALLED OUT. PROVIDE ADDITIONAL DUCTWORK AS REQUIRED.
13. DUCTED SYSTEMS SHALL BE TESTING AND BALANCED TO +/-10% BY AN (AABC) OR (NEBB) CERTIFIED AGENCY. THE CONTRACTOR SHALL PROVIDE A COPY OF THE TEST TO THE OWNER PRIOR TO FINAL WALK THRU.
14. IT SHALL BE THE RESPONSIBILITY OF THIS HVAC CONTRACTOR TO INSTALL THE HEATING, VENTILATION AND AIR CONDITIONING SYSTEMS SO AS TO INSURE QUIET OPERATION. NO VIBRATION OR SOUND SHALL BE TRANSMITTED TO THE BUILDING, STRUCTURE OR OCCUPIED AREAS. THE CONTRACTOR SHALL TAKE FULL RESPONSIBILITY TO CORRECT OR REPLACE ANY NOISY SYSTEM OR EQUIPMENT AS REQUIRED.
15. THE EQUIPMENT LISTED ON PLANS ARE THE BASIS OF DESIGN, EQUAL ALTERNATIVE EQUIPMENT CAN BE USED BUT WILL NEED APPROVED BEFORE BEING ACCEPTED FOR USE.
16. THE CONTRACTOR SHALL GUARANTEE MATERIALS AND WORKMANSHIP FREE OF DEFECT FOR ONE YEAR AFTER DATE OF ACCEPTANCE BY THE OWNER.
17. INSTALL ALL EQUIPMENT AND ACCESSORIES PER THE MANUFACTURER INSTRUCTIONS. IF THERE ARE ANY CONFLICTS BETWEEN THE INSTALLATION INSTRUCTIONS AND THESE PLANS CONTACT THE ARCHITECT FOR CLARIFICATIONS. ALLOW THE MANUFACTURERS RECOMMENDED CLEARANCE AROUND ALL COMPONENTS.

NOMENCLATURE

SUPPLY	
RETURN	
EXHAUST FAN	
THERMOSTAT	T
AVERAGING TEMPERATURE SENSORS	S
HUMIDITY SENSOR	H
CO2 SENSOR	CO2
SMOKE DETECTOR	SD
MOTOR OPERATED DAMPER	
VOLUME DAMPER	
SHUT OFF VALVE	
PRESSURE REGULAR	
INSULATED FLEXIBLE DUCT 10 FEET MAXIMUM LENGTH	
UP THRU ROOF	UTR

EXHAUST FAN SCHEDULE

LABEL (ID)	MAKE	MODEL	CFM	S.P.	VOLTAGE	PH	AMPS	WEIGHT	NOTES
EF-1	PANASONIC	FV-511VKL2	80	0.25"	115	1	9.9 WATTS	8.5 LBS.	SEE NOTE 1, 2

NOTES: 1. PROVIDE BACK DRAFT DAMPER, HANGING ISOLATION KIT, ON BOARD LIGHT AND ALL OTHER NECESSARY ACCESSORIES.
2. PROVIDE W/ PLUG 'N PLAY - FV-MSVK1: MOTION SENSOR AND FV-VS15VK1: MULTI-SPEED W/ TIME DELAY.

SEAL

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL ENGINEER
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CHECKED BY: DTP	SCALE: AS NOTED

NUMBER: 2024-002

SHEET NAME: HVAC NOTES & SCHEDULES

SHEET NUMBER: **M0.1**

GENERAL DEMO NOTES

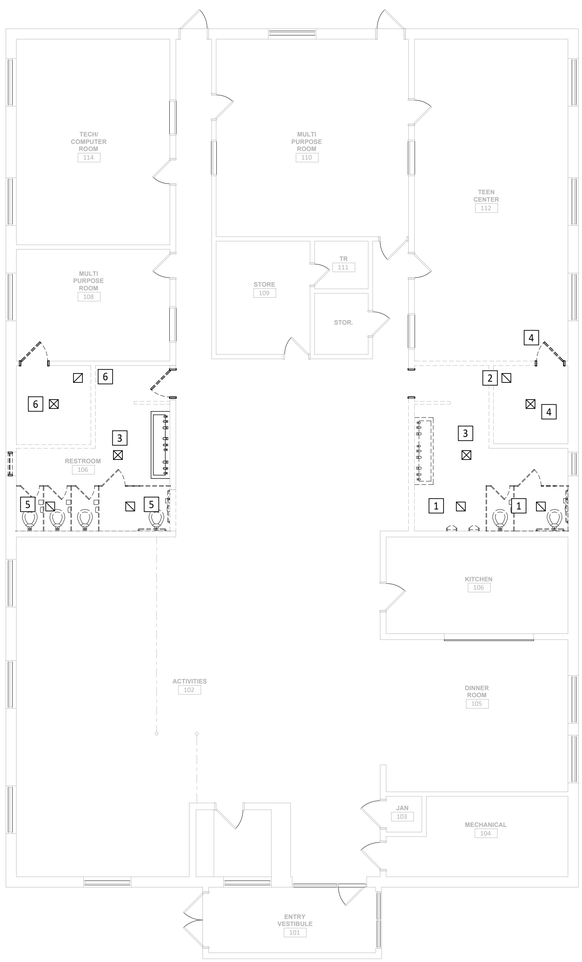
1. COORDINATE ALL HVAC DUCTWORK AND EQUIPMENT WITH FINAL ARCHITECTURAL PLANS, OTHER TRADES AND EXISTING CONDITIONS.
2. BEFORE COMMENCING ANY WORK SURVEY THE EXISTING HVAC SYSTEMS TO VERIFY SIZES AND LOCATIONS. VERIFY ACCURACY AND REPORT ANY ISSUES TO ARCHITECT BEFORE STARTING ANY WORK.
3. WHERE POSSIBLE REUSE EXISTING HVAC DUCTWORK, BRANCHES AND EXHAUST TERMINATIONS.

DEMO MECHANICAL KEY NOTES:

1. DEMO EXISTING EXHAUST FAN EXHAUST GRILLES AND DUCTWORK ASSOCIATED WITH EXHAUST SYSTEM.
2. EXTEND AND RELOCATE EXISTING RETURN GRILL. SEE NEW HVAC PLAN FOR NEW LOCATION.
3. EXTEND AND RELOCATE EXISTING SUPPLY DIFFUSER. SEE NEW HVAC PLAN FOR NEW LOCATION.
4. DEMO AND CAP EXISTING SUPPLY DIFFUSER. CAP AT MAIN SUPPLY DUCT. SEAL AND INSULATE AS REQUIRED.
5. DEMO EXISTING EXHAUST GRILLES AND EXHAUST FAN. LEAVE EXHAUST DUCTWORK AND AND REPLACE FAN WITH VENT CAP AND GRAVITY DAMPER FOR REUSE.
6. DEMO AND CAP EXISTING SUPPLY DIFFUSER AND RETURN GRILLE. CAP AT MAIN DUCT. SEAL AND INSULATE AS REQUIRED.

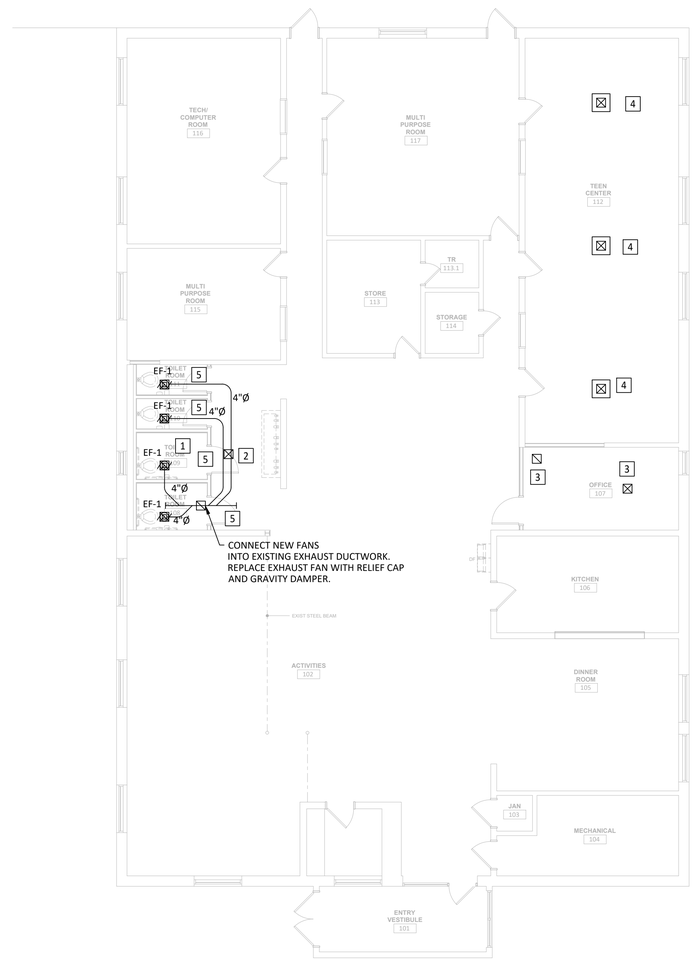
NEW MECHANICAL KEY NOTES:

1. DUCT NEW EF-1 EXHAUST FANS INTO EXISTING REUSED MAIN EXHAUST DUCTWORK. VERIFY EXISTING DUCTWORK CAN BE REUSED.
2. RELOCATE EXISTING SUPPLY DIFFUSER AND BALANCE FOR 100 CFM.
3. RELOCATE EXISTING SUPPLY AND RETURN AIR DEVICES AND BALANCE FOR 100 CFM.
4. SPACE OUT EXISTING SUPPLY DIFFUSERS TO MATCH EXPANDED ROOM.
5. DOOR SHALL BE UNDERCUT FOR PROPER AIRFLOW SEE ARCHITECTURAL PLANS FOR DETAILS.



FIRST FLOOR - MECHANICAL DEMO PLAN

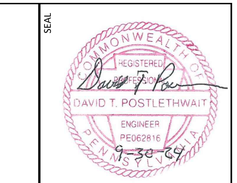
SCALE: 1/8" = 1'-0"



FIRST FLOOR - NEW MECHANICAL PLAN

SCALE: 1/8" = 1'-0"

SEAL



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PROPOSED RENOVATION TO:

BOYS & GIRLS CLUB OF LANCASTER

McMURTRIE CLUBHOUSE
335 DAUPHIN STREET
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REVISIONS	DATE
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DRAWN BY: DTP	DATE: 09-30-24
CHECKED BY: DTP	SCALE: AS NOTED

NUMBER: 2024-002

SHEET NAME: HVAC PLANS

SHEET NUMBER

M1.1

RECEPTACLES/FLOORBOXES/POWER POLES

SYMBOL	DESCRIPTION
	120V DUPLEX RECEPTACLE
•	120V DUPLEX RECEPTACLE INSTALLED 8" ABOVE COUNTER
XX"	120V DUPLEX RECEPTACLE MOUNTED AT HEIGHT INDICATED
WP	120V DUPLEX RECEPTACLE - WEATHERPROOF
GF	120V DUPLEX RECEPTACLE W/ GFCI PROTECTION
	120V QUAD RECEPTACLE
	120 VOLT DUPLEX RECEPTACLE - TOP SIDE SWITCHED

FIRE ALARM

	WALL MOUNTED FIRE ALARM VISUAL STROBE
	CEILING MOUNTED FIRE ALARM VISUAL STROBE
S	120V PHOTOELECTRIC SMOKE DETECTOR W/ SOUNDER BASE
S	PHOTOELECTRIC SMOKE DETECTOR - CEILING MOUNTED
	SMOKE & CARBON MONOXIDE DETECTOR
H	HEAT DETECTOR
D	DUCT SMOKE DETECTOR
FA	FIRE ALARM AUDIO DEVICE
F	FIRE AUDIO/VISUAL DEVICE
F	MANUAL PULL STATION
• FS	SPRINKLER FLOW SWITCH
• TS	SPRINKLER TAMPER SWITCH

POWER DISTRIBUTION AND CONTROL

	FUSED DISCONNECT SWITCH
S_T	MANUAL MOTOR STARTING SWITCH WITH THERMAL OVERLOAD DEVICE
	COMBINATION STARTER AND DISCONNECT SWITCH
	MOTOR
	PANELBOARD, AS SPECIFIED
	JUNCTION BOX
	METER

SWITCHING

S	SINGLE POLE SWITCH
S_3	THREE - WAY SWITCH
S_4	FOUR - WAY SWITCH
S_D	SINGLE POLE DIMMER SWITCH
S_{OCC}	0-10V DIMMER SWITCH W/OCCUPANCY SENSOR
S_{PC}	LUTRON PICO WIRELESS SWITCH
S_{PKD}	LUTRON PICO WIRELESS DIMMER SWITCH
S_{VM}	SPST SWITCH W/ OCCUPANCY SENSOR
VS	CEILING MOUNTED MOTION/ VACANCY SENSOR
PC	PHOTOCELL
PP	CEILING MOUNTED POWER PACK
PP 0-10	CEILING MOUNTED POWER PACK W/0-10V DIMMING

LIGHTING

	FLOOD OR SPOT LUMINAIRE
	SINGLE HEAD FLOODLIGHT - EMERGENCY ONLY
	DUAL HEAD FLOODLIGHT - EMERGENCY ONLY
	EXIT SIGN
	COMBINATION EXIT/BATTERY/HEAD UNIT
	EMERGENCY BATTERY PACK W/ HEADS
	FLUORESCENT LUMINAIRE - SINGLE CIRCUIT
	FLUORESCENT STRIP FIXTURE
EF	EXHAUST FAN
EF/L	EXHAUST FAN/LIGHT COMBINATION FIXTURE

ELECTRICAL SPECIFICATIONS

PART I - SCOPE

A. THE WORK UNDER THIS SECTION SHALL CONSIST OF THE MATERIAL, LABOR, TOOLS, AND EQUIPMENT REQUIRED TO COMPLETE THE ELECTRICAL WORK FOR THIS PROJECT. THE WORK SHALL CONSIST OF THE FURNISHING, INSTALLING AND CONNECTIONS OF THE SYSTEMS OR ITEMS LISTED IN THIS SECTION OR SHOWN ON THE DRAWINGS.

PART II - DEFINITION

A. WHEREVER THE TERM, "THIS CONTRACTOR" IS USED IN THE SPECIFICATIONS, IT SHALL BE INTERPRETED TO REFER TO THE CONTRACTOR RESPONSIBLE FOR THE WORK DESCRIBED IN THE ELECTRICAL SECTION OF THESE SPECIFICATIONS.

PART III - REFERENCE STANDARDS

A. THE WORKMANSHIP, MATERIAL AND EQUIPMENT SHALL MEET THE REQUIREMENTS OF THE FOLLOWING:
A. NATIONAL FIRE PROTECTION ASSOCIATION
B. NATIONAL ELECTRICAL CODE 2017
C. IECC 2018
D. UNDERWRITERS LABORATORIES, INC.
E. LOCAL MUNICIPAL CODES
F. LOCAL TOWNSHIP CODE
G. REQUIREMENTS OF THE POWER COMPANY HAVING JURISDICTION
H. OTHER PUBLIC UTILITIES SERVING THIS PROJECT
B. ALL MATERIAL SHALL BE NEW AND WITHOUT IMPERFECTIONS OR BLEMISHES AND SHALL BE PROTECTED FROM THE ELEMENTS PRIOR TO INSTALLATION.
C. THE DRAWINGS ARE A GENERAL INDICATION OF THE WORK TO BE INSTALLED, BUT DO NOT INDICATE ALL BENDS, FITTINGS, BOXES, ETC. AS MAY BE REQUIRED TO FACILITATE THE PULLING OF WIRES.
D. ALL WORK SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER.

PART IV - BASIC MATERIALS

A. ALL WIRE AND CABLE SHALL BE AS FOLLOWS:
A. MINIMUM SIZE #12 AWG, UNLESS OTHERWISE SPECIFIED
B. SIZES #8 AWG AND LARGER SHALL BE STRANDED.
C. U.L. LISTED
D. MINIMUM SIZE OF #14 AWG FOR CONTROL WIRING, EXCEPT 24 VOLTS AND BELOW
E. MINIMUM SIZE OF #14 AWG IN FLEXIBLE METAL CONDUIT FOR FINAL CONNECTIONS TO RECESSED LIGHTING FIXTURES
F. 15 & 20-AMP CONDUCTORS SHALL BE SIZED FOR 60C TERMINATIONS. 30-AMP AND ABOVE CONDUCTORS SHALL BE SIZED FOR 75C TERMINATIONS.
G. ALL NM CABLE AND SER CABLE SHALL BE SIZED FOR 60C TERMINATIONS.

B. TYPE OF WIRING
A. ALL BRANCH WIRING SHALL BE IN MC, NM CABLE OR CONDUIT.
B. ELECTRICAL SERVICE AND UNDERFLOOR CONDUITS MAY BE PVC OR PLASTIC CONCRETE ENCASED CONDUIT.
C. BRANCH CIRCUITS SHALL BE SIZED AS FOLLOWS:

I. 15-AMP CIRCUITS SHALL USE #14 THHN/THWN CONDUCTORS
II. 20-AMP CIRCUITS SHALL USE #12 THHN/THWN CONDUCTORS
III. 30-AMP CIRCUITS SHALL USE #10 THHN /THWN CONDUCTORS
IV. 40 & 50-AMP CIRCUITS SHALL USE #8 THHN/THWN CONDUCTORS
V. 60-AMP CIRCUITS SHALL USE #6 THHN/THWN CONDUCTOR

C. BOXES FOR WIRING DEVICES
A. METAL OR PLASTIC BOXES SHALL BE USED.

D. WIRING DEVICES
A. UNLESS OTHERWISE NOTED, ALL DEVICES AND WALLPLATES SHALL BE STANDARD-STYLE, GENERAL DUTY, AND WHITE IN FINISH.
B. A 20 AMP, 120 VOLT COMMERCIAL-GRADE, DEVICE SHALL BE INSTALLED AT EACH SWITCHING OUTLET SHOWN ON THE DRAWINGS. THE HEIGHT OF THE SWITCHES THROUGHOUT THE BUILDING SHALL BE 42" TO CENTER.
C. A 20 AMP, 125 VOLT, SIDE OR BACK-WIRED WITH BREAK-OFF SHUNT, COMMERCIAL-GRADE, DUPLEX RECEPTACLE SHALL BE INSTALLED IN EACH OUTLET SHOWN ON THE DRAWINGS. THE RECEPTACLE SHALL BE GROUNDED. UNLESS NOTED OTHERWISE, THE HEIGHT OF THE RECEPTACLES SHALL BE AS FOLLOWS:

I. 18" TO CENTER - FINISHED AREAS
II. 44" TO CENTER - REST ROOM AREAS
III. 18" TO CENTER - UNFINISHED AREAS
IV. 42" TO CENTER - WALL PHONES

D. ALL OUTSIDE RECEPTACLES SHALL BE GFI PROTECTED WITH WEATHERPROOF IN-USE COVERS AND BE RATED FOR WEATHER RESISTANT (MARKED WR ON THE FACE).
I. AN OUTSIDE RECEPTACLE SHALL BE INSTALLED WITHIN 25' OF ALL OUTDOOR HVAC EQUIPMENT.
II. ALL IN-USE COVERS TO BE LISTED AND IDENTIFIED AS "EXTRA-DUTY" RATED.
E. RECEPTACLES FOR SELF-SERVICE APPLIANCES/EQUIPMENT SHALL BE MOUNTED LOWER THAN 48" ABOVE THE FINISHED FLOOR.
F. WATER COOLER RECEPTACLES SHALL BE GFI PROTECTED.
G. ALL GFCI DEVICES SHALL BE READILY ACCESSIBLE AREAS PER NEC 422.5.

H. OCCUPANCY SENSOR POWER PACKS ARE TO BE WIRED PRIOR TO ANY LOCAL SWITCHING OR DIMMING.

PART V - TEMPORARY ELECTRIC AND LIGHTING

A. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR CORD PROTECTION FOR THEIR EMPLOYEES WHERE NEW BUILDING RECEPTACLES ARE USED FOR POWER. THIS SHALL BE DONE WITH GFI PROTECTION OR AN OSHA APPROVED EQUIPMENT ASSURED GROUNDING CONDUCTOR PROGRAM.
B. TEMPORARY LIGHTING SHALL BE PROVIDED AS PER CONTRACT DOCUMENTS.

PART VI - LIGHTING FIXTURE SPECIFICATIONS

A. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL LIGHTING FIXTURES ACCORDING TO THE LAYOUT INDICATED ON THE DRAWINGS.
B. FIXTURES SHALL BE EQUIPPED WITH ALL COMPONENTS INCLUDING HOUSINGS, TRIMS, BALLASTS, SOCKETS AND HANGERS AS REQUIRED TO MAKE EACH UNIT COMPLETE.
C. THERMAL CUTOUTS SHALL BE PROVIDED IN ALL LIGHTING FIXTURES WHERE REQUIRED BY THE NATIONAL ELECTRICAL CODE.
D. THE FIXTURE SHALL BE EQUIPPED WITH LAMPS THAT ARE RECOMMENDED BY THE MANUFACTURER. LAMPS SHALL BE MANUFACTURED BY GENERAL ELECTRIC, PHILIPS, SYLVANIA OR EQUAL.
E. LIGHTING FIXTURES WHICH ARE INSTALLED IN SUSPENDED CEILINGS SHALL HAVE ADEQUATE SUPPORT WIRES AROUND THE FIXTURE. THE CEILING INSTALLER SHALL FURNISH TWO SUPPORT WIRES FOR EACH FLUORESCENT OR LINEAR LIGHT FIXTURE. ONE SUPPORT WIRE SHALL BE FURNISHED FOR DOWNLIGHT TYPE FIXTURES.
F. WHERE LIGHTING FIXTURES ARE INSTALLED IN FIRE RATED CEILINGS, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO INSTALL PROPER TENTS AND/OR BOXES AROUND THE FIXTURES SO AS TO MAINTAIN SUFFICIENT FIRE RATINGS.
G. WHERE RECESSED FIXTURES WITH THERMAL PROTECTION ARE INSTALLED IN CEILINGS WITH INSULATION, IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INSTALL SUPPORTS AROUND THE FIXTURES TO KEEP THE INSULATION 3" AWAY FROM THE FIXTURE.
H. EXIT SIGNS AT DOORWAYS SHALL BE CENTERED OVER THE DOOR AND MOUNTED JUST ABOVE THE DOOR HEADER. IF THERE IS NOT ADEQUATE WALL SPACE ABOVE THE DOOR, THE EXIT SIGN MAY BE MOUNTED FROM THE CEILING.
I. EXIT SIGNS AND EMERGENCY LIGHTING SHALL BE CONNECTED TO THE LOCAL LIGHTING CIRCUIT PRIOR TO ANY SWITCHING.

PART V11 - EQUIPMENT BACKBOARD INSTALLATION

A. INSTALLATION OF PLYWOOD REQUIRED FOR THE MOUNTING OF SERVICE EQUIPMENT AND OTHER ELECTRICAL ITEMS SHALL BE SUPPLIED, INSTALLED AND PAINTED BY THE GENERAL CONTRACTOR.

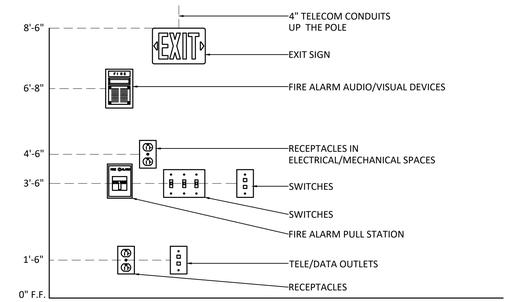
PART VIII - CIRCUIT BREAKER IDENTIFICATION

A. THIS CONTRACTOR SHALL FURNISH AND INSTALL TYPED CIRCUIT DIRECTORIES IN ALL OF THE ELECTRICAL PANELS.
B. SERVICE EQUIPMENT IN OTHER THAN DWELLING UNITS SHALL BE LEGIBLY AND INDELIBLY MARKED IN THE FIELD WITH MAXIMUM AVAILABLE FAULT CURRENT. THE FIELD MARKING(S) SHALL INCLUDE THE DATE THE FAULT CURRENT CALCULATION WAS PERFORMED AND BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED.
C. ELECTRICAL EQUIPMENT, SUCH AS SWITCHBOARDS, SWITCHGEAR, PANELBOARDS, INDUSTRIAL CONTROL PANELS, METER SOCKET ENCLOSURES, AND MOTOR CONTROL CENTERS, THAT ARE IN OTHER THAN DWELLING UNITS AND ARE LIKELY TO REQUIRE EXAMINATION, ADJUSTMENT SERVICING, OR MAINTENANCE WHILE ENERGIZED, SHALL BE FIELD OR FACTORY MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ARC FLASH HAZARDS. THE MARKING SHALL MEET THE REQUIREMENTS IN NEC 110.21(B) AND SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF EQUIPMENT.

PART IX - GENERAL NOTES

A. ALL PIPING, INCLUDING WATER PIPING, SPRINKLER PIPING, GAS PIPING, ETC. AND ALL DUCT WORK SHALL NOT BE INSTALLED OVER TOP OF ANY ELECTRICAL PANELS OR SWITCHBOARD.
B. FIRE WALLS THAT ARE PENETRATED AS PART OF THE ELECTRICAL WORK SHALL BE RESTORED TO THE FIRE RATING.
C. LISTED AND LABELING STATEMENTS ARE TO BE INCLUDED WITH ALL SUBMITTALS. THIS IS TO INDICATE ALL EQUIPMENT AND MATERIALS USED, WHERE POSSIBLE, WILL BE LISTED BY A RECOGNIZED TESTING AGENCY SUCH AS UL.

NOTE: BEFORE WIRING VERIFY ACTUAL EQUIPMENT LOADS MATCH PLANS. IF THERE ARE ANY CHANGES THE CONTRACTOR IS RESPONSIBLE TO RESIZE AND MEET THE EQUIPMENT LOAD AND CODE REQUIREMENTS.



NOTES:
1. DEVICES SHALL BE INSTALLED ON A COMMON VERTICAL CENTERLINE WHEREVER POSSIBLE.
2. ELECTRICAL RECEPTACLES SHALL BE MOUNTED A MINIMUM OF 15" TO THE BOTTOM OF THE RECEPTACLE.
3. ELECTRICAL SWITCHES SHALL BE MOUNTED A MAXIMUM OF 48" TO THE TOP OF THE SWITCH.
4. COUNTERTOP ELECTRICAL RECEPTACLES SHALL BE MOUNTED A MAXIMUM OF 44" TO THE TOP OF THE RECEPTACLE.
5. CIRCUIT BREAKERS, DISCONNECT SWITCHES, ETC. SHALL BE INSTALLED SO THAT THE CENTER OF THE GRIP OF THE OPERATING HANDLE IN IT'S HIGHEST POSITION IS NOT MORE THAN 6'-7" A.F.F.
6. MOUNT VISIBLE FIRE ALARM DEVICES WITH THE LENS OF THE STROBE NOT LESS THAN 80" AND NOT GREATER THAN 96" A.F.F. WALL-MOUNTED VISIBLE FIRE ALARM DEVICES SHALL NOT BE WITHIN 6" OF THE CEILING.
7. MOUNT EXIT SIGNS ABOVE DOORS WITH 2" BETWEEN BOTTOM OF THE EXIT SIGN AND THE TOP OF THE DOOR.
8. THE MOUNTING HEIGHTS SHOWN ARE GENERALLY DIMENSIONED TO THE MID-LINE OF A GIVEN DEVICE. EXACT DEVICE MOUNTING HEIGHTS SHALL BE WITHIN THE SPECIFIC REACH LIMITS SPECIFIED IN THE LATEST REVISION OF THE ADA GUIDELINES AND THE LATEST REVISION OF ICC/ANSI A117.1, SPECIFICALLY FIRE ALARM DEVICES, CONTROLS, OPERATING MECHANISMS AND HARDWARE, INCLUDING RECEPTACLES AND SWITCHES THAT CONTROL LIGHTING, VENTILATION, ETC.
9. THIS DETAIL IS MEANT AS A GENERAL GUIDE. ALL FINAL MOUNTING HEIGHTS SHALL BE INSTALLED PER ARCHITECTURAL DRAWINGS AND ADOPTED CODES.

TYPICAL DEVICE MOUNTING HEIGHTS
SCALE: N.T.S.

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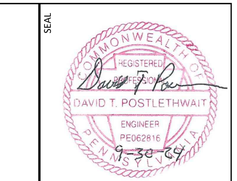

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DRAWN BY: DTP	DATE: 09-30-24
CHECKED BY: DTP	SCALE: AS NOTED

NUMBER: 2024-002

SHEET NAME: ELECTRICAL NOTES & SCHEDULES

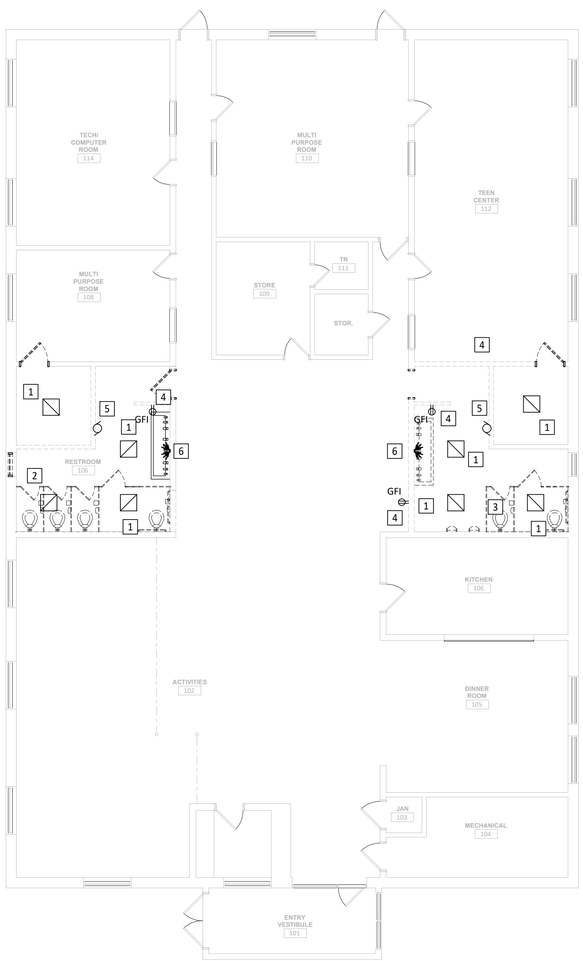
SHEET NUMBER: **E0.I**

GENERAL NOTES

1. BEFORE COMMENCING ANY WORK SURVEY THE EXISTING ELECTRICAL SYSTEMS AND CIRCUITS. REPORT ANY ISSUES TO ARCHITECT BEFORE STARTING ANY WORK.
2. ELECTRICAL PORTION OF RENOVATION MOSTLY CONSISTS OF NEW LIGHTING FIXTURES AND THE RELOCATION OF EXISTING RECEPTACLES. REUSE AND EXTEND EXISTING CIRCUITS TO FEED THE ALTERATIONS DEPICTED.

DEMO ELECTRICAL KEY NOTES:

1. RELOCATE EXISTING LIGHT FIXTURES. EXTEND WIRING AND REDO SWITCHING AS REQUIRED. SEE NEW ELECTRICAL PLAN FOR NEW LOCATIONS.
2. DEMO EXISTING LIGHT FIXTURE. MAKE SAFE & KEEP EXISTING CIRCUIT WIRING INTACT FOR CONNECTION TO NEW LIGHTING.
3. DEMO EXISTING ROOF EXHAUST FAN. COORDINATE WORK WITH HVAC CONTRACTOR. MAKE SAFE BACK TO PANEL.
4. DEMO EXISTING RECEPTACLES. MAKE SAFE & KEEP EXISTING CIRCUIT WIRING INTACT FOR CONNECTION TO NEW RECEPTACLES.
5. DEMO EXISTING HAND DRYERS. MAKE SAFE & KEEP EXISTING CIRCUIT WIRING INTACT FOR CONNECTION TO NEW HAND DRYERS.
6. RELOCATE EXISTING REMOTE EMERGENCY LIGHT HEADS.

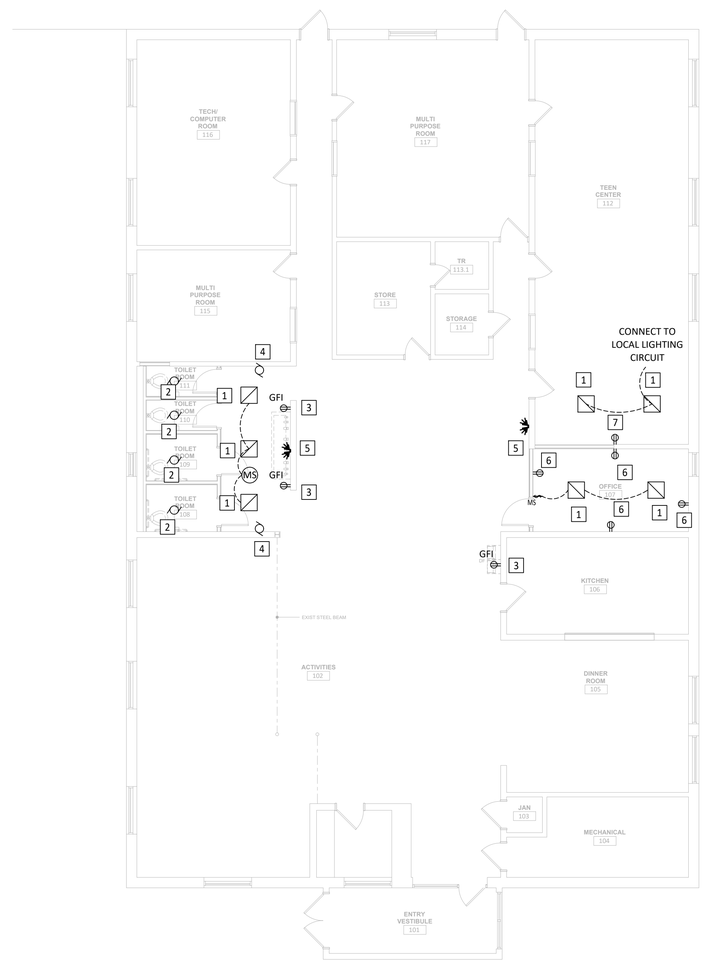


FIRST FLOOR - ELECTRCIAL DEMO PLAN

SCALE: 1/8" = 1'-0"

NEW ELECTRICAL KEY NOTES:

1. LOCATED LIGHTING FIXTURE LOCATIONS.
2. REUSE AND EXTEND EXISTING LIGHT CIRCUITS TO POWER NEW LIGHT EXHAUST FAN COMBINATIONS.
3. REUSE AND EXTEND EXISTING RECEPTACLE WIRING TO NEW RECEPTACLE LOCATIONS SHOWN. PROVIDE NEW GFI RECEPTACLES.
4. REUSE AND EXTEND EXISTING WIRING FOR NEW HAND DRYERS. PROVIDE NEW WORLD DRYER MODEL XA5-974 115V, 20 AMP W/ WHITE CAST IRON COVER OR APPROVED ALTERNATE.
5. RELOCATED REMOTE EMERGENCY LIGHT HEADS.
6. INSTALL NEW POWER RECEPTACLES. CONNECT TO CIRCUIT 8 PANEL B. CONFIRM CIRCUIT LOAD BEFORE INSTALLATION.
7. EXTEND EXISTING RECEPTACLE WIRING TO NEW WALL LOCATION.



FIRST FLOOR - NEW ELECTRICAL PLAN

SCALE: 1/8" = 1'-0"

SEAL

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL ENGINEER
DAVID T. POSTLETHWAIT
ENGINEER
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PROPOSED RENOVATION TO:

BOYS & GIRLS CLUB OF LANCASTER

McMURTRIE CLUBHOUSE
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NUMBER: 2024-002

SHEET NAME: ELECTRICAL PLANS

SHEET NUMBER: E1.1

RENOVATION TO
JACK WALKER CLUBHOUSE
BOYS & GIRLS CLUB

SYMBOLS

SECTION TAG — DETAIL NUMBER / SHEET NUMBER

INTERIOR ELEVATION — ELEVATION NUMBER / SHEET NUMBER

EXTERIOR ELEVATION — ELEVATION NUMBER / SHEET NUMBER

DETAIL TAG

PARTITION/BULKHEAD TAG (REFER TO A1.0 FOR TYPES)

ROOM TAG — OFFICE: ROOM NAME; B130: ROOM NUMBER

CASEWORK TAG — BASIS OF DESIGN MODEL NUMBER (CUSTOM/MODIFIED CABINETS HAVE "M" SUFFIX); CABINET NOMINAL HEIGHT; CABINET WIDTH

WINDOW TAG

CURTAIN WALL TAG

STOREFRONT TAG

INTERIOR WINDOW TAG

DOOR TAG

ROOF TAG

NEW DOOR

EXISTING DOOR

EXISTING COL. LINE — OCTAGON; ITALIC TEXT

NEW COL. LINE — CIRCLE; STANDARD TEXT

HATCH PATTERNS

METAL STUD, BRICK, CONCRETE, CMU, EARTH, STEEL, RIGID INSULATION, BATT INSUL., ROUGH WOOD, GRAVEL, FINISHED WOOD, PLYWOOD

ABBREVIATIONS

(NOT ALL ABBREVIATIONS APPEAR IN PROJECT)

AC	AIR CONDITIONING
ACM	ALUMINUM COMPOSITE MATERIAL
ACOUST	ACOUSTICAL
ACT	ACOUSTIC CEILING TILE
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AGGR	AGGREGATE
ALT	ALTERNATE
ALUM	ALUMINUM
ANOD	ANODIZED
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ATTN	ATTENTION
AV	AUDIOVISUAL
BD	BOARD
BIT	BITUMINOUS
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
BO	BOTTOM OF
BOT	BOTTOM
BRG	BEARING
BSMNT	BASEMENT
CB	CEMENT BOARD
CBU	CEMENTITIOUS BACKER UNIT
CCTV	CLOSED CIRCUIT TELEVISION
CFS	COLD FORMED STEEL
CG	CORNER GUARD
CI	CAST IRON
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
COORD	COORDINATE
CORR	CORRIDOR
CPT	CARPET
CT	CERAMIC TILE
CTR	CENTER
CTSK	COUNTERSUNK
CW	COLD WATER
D	DEEP, DEPTH
DBL	DOUBLE
DEG	DEGREE
DEMO	DEMOLISH OR DEMOLITION
DEPT	DEPARTMENT
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIFF	DIFFUSER
DIM	DIMENSION
DIMS	DIMENSIONS
DIV	DIVISION
DMPF	DAMP PROOFING
DN	DOWN
DO	DOOR OPENING
DR	DOOR
DRN	DRAIN
DS	DOWNSPOUT
DTL	DETAIL
DW	DISHWASHER
DWG	DRAWING
E	EAST
EA	EACH
EC	ELECTRICAL CONTRACT(OR)
EJ	EXPANSION JOINT
EJC	EXPASNSION JOINT COVER
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSURE
ENG	ENGINEER

EP	ELECTRICAL PANEL
EPDM	ETHYLENE PROPYLENE DIENE M-CLASS
EQ	EQUAL
EQUIP	EQUIPMENT
ES	EACH SIDE
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FA	FIRE ALARM
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF&E	FURNITURE, FIXTURES AND EQUIPMENT
FFE	FINISH FLOOR ELEVATION
FIN	FINISH
FIXT	FIXTURE
FLR	FLOOR
FND	FOUNDATION
FO	FACE OF
FP	FIRE PROTECTION
FRC	FIBER REINFORCED CONCRETE
FRP	FIBER REINFORCED PLASTIC
FRT	FIRE RETARDANT TREATED
FRZ	FREEZER
FT	FEET/FOOT
FTG	FOOTING
FURN	FURNITURE
FURR	FURRING
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACT(OR)
GEN	GENERAL
GFRC	GLASS FIBER REINFORCED CONCRETE
GFRG	GLASS FIBER REINFORCED GYPSUM
GL	GLASS
GLAZ	GLAZING
GRD	GROUND
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
H	HIGH/HEIGHT
HC	HANDICAPPED
HDWD	HARDWOOD
HDWR	HARDWARE
HGT	HEIGHT
HM	HOLLOW METAL
HNDRL	HANDRAIL
HO	HOLD OPEN
HORIZ	HORIZONTAL
HR	HOUR
HSS	HOLLOW STRUCTURAL SECTION
HTG	HEATING
HVAC	HEATING VENTILATION AND AIR CONDITIONING
HW	HOT WATER
ID	INSIDE DIAMETER
IN	INCH/INCHES
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
INTERM	INTERMEDIATE
INV	INVERT
JAN	JANITOR
JST	JOIST
JT	JOINT
KIT	KITCHEN
LAM	LAMINATE
LAV	LAVATORY
LB	POUNDS
LGM	LIGHT GUAGE METAL
LLH	LONG LEG HORIZONTAL

LLV	LONG LEG VERTICAL
MAX	MAXIMUM
MECH	MECHANICAL
MED	MEDIUM
MEMBR	MEMBRANE
MFR	MANUFACTURER
MH	MAN HOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MR	MOISTURE RESISTANT
MTD	MOUNTED
MTG	MOUNTING
MTL	METAL
MULL	MULLION
MW	MICROWAVE
N	NORTH
NA	NOT APPLICABLE
NC	NOISE CRITERIA
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OC	ON CENTER
OD	OUTSIDE DIAMETER
OD	OVERFLOW DRAIN
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFF	OFFICE
OFOI	OWNER FURNISHED, OWNER INSTALLED
OH	OVERHEAD
OPNG	OPENING
OPP	OPPOSITE
ORD	OVERFLOW ROOF DRAIN
PBD	PARTICLE BOARD
PC	PRECAST OR PLUMBNG CONTRACT(OR)
PERF	PERFORATED
PERIM	PERIMETER
PERP	PERPENDICULAR
PL	PLATE
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PLF	POUNDS PER LINEAR FOOT
PLYWD	PLYWOOD
PNL	PANEL
PNT	PAINT OR PAINTED
PREFAB	PREFABRICATED
PROJ	PROJECT
PSF	POUNDS PER SQUARE FOOT
PT	PRESSURE TREATED
PTD	PAINTED
PVC	POLYVINYL CHLORIDE
QT	QUARRY TILE
QTY	QUANTITY
RA	RETURN AIR
RB	RESILIENT BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
RDL	ROOF DRAIN LEADER
REC	RECESSED
RECPT	RECEPTACLE
REF	REFERENCE
REF	REFRIFERATOR
REFR	REFRIGERATOR
REINF	REINFORCED REINFORCING
REQ	REQUIRE/REQUIRED
REV	REVISION/REVISED
RM	ROOM
RO	ROUGH OPENING
RTD	RATED
RTG	RATING
RWL	RAIN WATER LEADER
S	SOUTH
SA	SUPPLY AIR
SC	SOLID CORE
SD	STORM DRAIN
SECT	SECTION

SF	SQUARE FEET/FOOT
SHT	SHEET
SIM	SIMILAR
SM	SHEET METAL
SM	SURFACE MOUNTED
SPEC	SPECIFIED OR SPECIFICATION
SPK	SPRINKLER OR SPEAKER
SPKR	SPEAKER
SQ	SQUARE
SS	STAINLESS STEEL
STC	SOUND TRANSMISSION COEFFICIENT
STL	STEEL
STOR	STORAGE
STRG	STRINGER
STRUCT	STRUCTURE OR STRUCTURAL
SUSP	SUSPENDED
SYM	SYMMETRICAL
SYS	SYSTEM
T	TREAD
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TELE	TELEPHONE
TEMP	TEMPORARY
THK	THICKNESS
TKBD	TACK BOARD
TLT	TOILET
TMPD	TEMPERED
TO	TOP OF
TOB	TOP OF BEAM
TOC	TOP OF CONCRETE
TOS	TOP OF STEEL
TS	TUBE STEEL
TV	TELEVISION
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UON	UNLESS OTHERWISE NOTED
VAR	VARIES
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VR	VAPOR RETARDER
VT	VINYL TILE
VWC	VINYL WALL COVERING
W	WIDE/WEST
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WP	WATERPROOF/ WATERPROOFING
WPM	WATERPROOF MEMBRANE
WSCT	WAINSCOT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH

ARCHITECTURAL

CS1	COVER SHEET
A0.1	GENERAL STRUCTURAL NOTES & SCHEDULE OF SPECIAL INSPECTIONS
AD1.1	FIRST FLOOR DEMOLITION PLAN
AD1.2	ROOF DEMOLITION PLAN
A1.1	FIRST FLOOR PLAN
A5.1	ROOF PLAN
A5.2	TYPICAL ROOF DETAILS
A5.3	TYPICAL ROOF DETAILS
A6.1	FIRST FLOOR REFLECTED CEILING PLAN
A7.1	RAMP AND STAIRS ENLARGED PLANS
A7.2	RAMP AND STAIRS SECTIONS
A7.3	TYPICAL DETAILS
A8.1	TOILET ROOM ENLARGED PLANS & INTERIOR ELEVATIONS
A9.1	DOOR & WINDOW SCHEDULE, TYPES, & DETAILS
A10.1	FINISH SCHEDULE & LEGEND

CIVIL

SHEET 1 OF 2	EXISTING CONDITIONS / DEMOLITION / LAYOUT & GRADING PLAN
SHEET 2 OF 2	DETAILS

PLUMBING

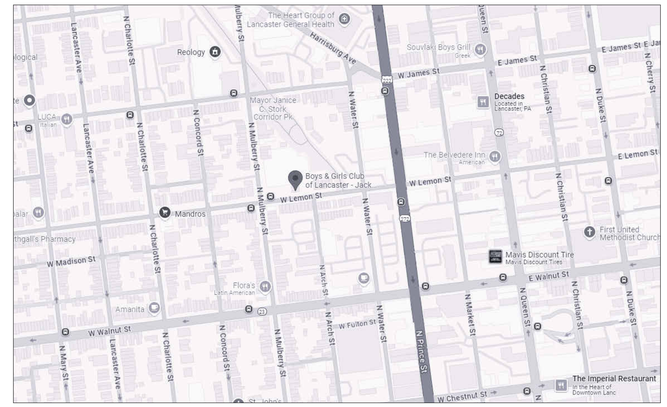
P0.1	PLUMBING NOTES & SCHEDULES
PD1.1	DEMO PLUMBING PLAN
P1.1	NEW PLUMBING PLAN

MECHANICAL

M0.1	HVAC NOTES & SCHEDULES
MD1.1	HVAC DEMO PLAN
M1.1	HVAC PLAN

ELECTRICAL

E0.1	ELECTRICAL NOTES & SCHEDULES
ED1.1	ELECTRICAL DEMO PLAN
E1.1	ELECTRICAL PLAN



LOCATION MAP

BUILDING CODE ANALYSIS:

PENNSYLVANIA UNIFORM CONSTRUCTION CODE (UCC):
INTERNATIONAL BUILDING CODE - 2018
INTERNATIONAL BUILDING CODE - 2018 CHAPTER 11
INTERNATIONAL EXISTING BUILDING CODE - 2018
INTERNATIONAL FIRE CODE - 2018
INTERNATIONAL PLUMBING CODE - 2018
INTERNATIONAL ENERGY CONSERVATION CODE - 2018
INTERNATIONAL MECHANICAL CODE - 2018
ICC A117.1 - 2012 ACCESSIBILITY CODE

IBC 2018
USE GROUP A-3 ASSEMBLY, Clubhouse
Construction Type: IIB

IBEC 2018
305.6 Alterations. A facility that is altered shall comply with the applicable provisions in Chapter 11 of the International Building Code, unless technically infeasible. Where compliance with this section is technically infeasible, the alteration shall provide access to the maximum extent technically feasible.
Exceptions:1. The altered element or space is not required to be on an accessible route, unless required by Section305.7.
2. Accessible means of egress required by Chapter 10 of the International Building Code are not required to be provided in existing facilities.
305.7 Alterations affecting an area containing a primary function, the route to the primary function area shall be accessible. The accessible route to the primary function area shall include toilet facilities and drinking fountains serving the area of primary function. ROUTE REMAINS ACCESSIBLE

305.8 Scoping for alterations. The provisions of Sections 305.8.1 through 305.8.15 shall apply to alterations to existing buildings and facilities.
305.8.5 Ramps. Where slopes steeper than allowed by Section 1012.2 of the International Building Code are necessitated by space limitations, the slope of ramps in or providing access to existing facilities shall comply with Table 305.8.5.
Steeper than 1:10 but not steeper than 1:8 Max. Rise 3 inches
Steeper than 1:12 but not steeper than 1:10 Max. Rise 6 inches

ALTERATION—LEVEL 2
603.1 Scope. Level 2 alterations include the reconfiguration of space, the addition or elimination of any door or window, the reconfiguration or extension of any system, or the installation of any additional equipment.
603.2 Application. Level 2 alterations shall comply with the provisions of Chapter 7 for Level 1 alterations as well as the provisions of Chapter 8.

801.3 Compliance. New construction elements, components, systems, and spaces shall comply with the requirements of the International Building Code.
Exceptions:
2. Newly installed electrical equipment shall comply with the requirements of Section 807.
6. New structural members and connections shall be permitted to comply with alternative design criteria in accordance with Section 302.

803.2 Automatic sprinkler systems. Automatic sprinkler systems shall be provided in accordance with the requirements of Sections 803.2.1 through 803.2.4. Installation requirements shall be in accordance with the International Building Code.
SPRINKLERS EXISTING TO BE REVISED TO MEET NEW LAYOUT

803.4 Fire alarm and detection. An approved fire alarm system shall be installed in accordance with Sections 803.4.1 through 803.4.3. Where automatic sprinkler protection is pro-vided in accordance with Section 803.2 and is connected to the building fire alarm system, automatic heat detection shall not be required. FIRE ALARM DETECITON SYSTEM EXISTING

ELECTRICAL
807.1 New installations. Newly installed electrical equipment and wiring relating to work done in any work area shall comply with all applicable requirements of NFPA 70 except as provided for in Section 807.3.
807.3.1 Enclosed areas. Enclosed areas, other than closets, kitchens, basements, garages, hallways, laundry areas, utility areas, storage areas and bathrooms shall have not fewer than two duplex receptacle outlets or one duplex receptacle outlet and one ceiling or wall-type lighting out-let.807.3.2 Kitchens. Kitchen areas shall have not fewer than two duplex receptacle outlets.
807.3.4 Ground fault circuit interruption. Newly installed receptacle outlets shall be provided with ground fault circuit interruption as required by NFPA 70.
807.3.5 Minimum lighting outlets. Not fewer than one lighting outlet shall be provided in every bathroom, hallway, stairway, attached garage, and detached garage with electric power, and to illuminate outdoor entrances and exits.
807.3.6 Utility rooms and basements. Not fewer than one lighting outlet shall be provided in utility rooms and basements where such spaces are used for storage or contain equipment requiring service.
807.3.7 Clearance for equipment. Clearance for electrical service equipment shall be provided in accordance with the NFPA 70.

MECHANICAL
808.1 Reconfigured or converted spaces. Reconfigured spaces intended for occupancy and spaces converted to habitable or occupiable space in any work area shall be provided with natural or mechanical ventilation in accordance with the International Mechanical Code.
Exception: Existing mechanical ventilation systems shall comply with the requirements of Section 808.2.
808.2 Altered existing systems. In mechanically ventilated spaces, existing mechanical ventilation systems that are altered, reconfigured, or extended shall provide not less than 5 cubic feet per minute (cfm) (0.0024 m 3/s) per person of outdoor air and not less than 15 cfm (0.0071 m 3/s) of ventilation air per person; or not less than the amount of ventilation air determined by the Indoor Air Quality Procedure of ASHRAE62.1.
808.3 Local exhaust. Newly introduced devices, equipment, or operations that produce airborne particulate matter, odors, fumes, vapor, combustion products, gaseous contaminants, pathogenic and allergenic organisms, and microbial contaminants in such quantities as to affect adversely or impair health or cause discomfort to occupants shall be provided with local exhaust.

PLUMBING
809.1 Minimum fixtures. Where the occupant load of the story is increased by more than 20 percent, plumbing fixtures for the story shall be provided in quantities specified in the International Plumbing Code based on the increased occupant load.
OCCUPANT LOAD NOT CHANGING

ENERGY CONSERVATION
810.1 Minimum requirements. Level 2 alterations to existing buildings or structures are permitted without requiring the entire building or structure to comply with the energy requirements of the International Energy Conservation Code or International Residential Code. The alterations shall con-form to the energy requirements of the International Energy Conservation Code or International Residential Code as they relate to new construction only.

REROOFING
[BS] 705.1 General. Materials and methods of application used for recovering or replacing an existing roof covering shall comply with the requirements of Chapter 15 of the International Building Code.
Exceptions:
1. Roof replacement or roof recover of existing low-slope roof coverings shall not be required to meet the minimum design slope requirement of one-quarter unit vertical in 12 units horizontal (2-percent slope) in Section 1507 of the International Building Code for roofs that provide positive roof drainage.
2. Recovering or replacing an existing roof covering shall not be required to meet the requirement for secondary (emergency overflow) drains or scuppers in Section 1502 of the International Building Code for roofs that provide for positive roof drainage. For the purposes of this exception, existing secondary drainage or scupper systems required in accordance with this code shall not be removed unless they are replaced by secondary drains or scuppers designed and installed in accordance with Section 1502 of the International Building Code.
[BS] 705.2 Structural and construction loads. Structural roof components shall be capable of supporting the roof-covering system and the material and equipment loads that will be encountered during installation of the system.
[BS] 705.3 Roof replacement. Roof replacement shall include the removal of all existing layers of roof coverings down to the roof deck.
Exception: Where the existing roof assembly includes an ice barrier membrane that is adhered to the roof deck, the existing ice barrier membrane shall be permitted to remain in place and covered with an additional layer of ice barrier membrane in accordance with Section 1507 of the International Building Code.
[BS] 705.3.1 Roof recover. The installation of a new roof covering over an existing roof covering shall be permitted where any of the following conditions occur:
1. The new roof covering is installed in accordance with the roof covering manufacturer's approved instructions.
[BS] 705.4 Roof recovering. Where the application of a new roof covering over wood shingle or shake roofs creates a combustible concealed space, the entire existing surface shall be covered with gypsum board, mineral fiber, glass fiber or other approved materials securely fastened in place.
[BS] 705.6 Flashings. Flashings shall be reconstructed in accordance with approved manufacturer's installation instructions. Metal flashing to which bituminous materials are to be adhered shall be primed prior to installation.

PLUMBING CODE ANALYSIS:

INTERNATIONAL PLUMBING CODE - 2018

403.1.1 FIXTURE CALCULATIONS
TO DETERMINE THE OCCUPANT LOAD OF EACH SEX, THE TOTAL OCCUPANT LOAD SHALL BE DIVIDED IN HALF. TO DETERMINE THE REQUIRED NUMBER OF FIXTURES, THE FIXTURE RATIO OR RATIOS FOR FIXTURE TYPE SHALL BE APPLIED TO THE OCCUPANT LOAD OF EACH SEX IN ACCORDANCE WITH TABLE 403.1

2018 EXISTING INTERNATIONAL BUILDING CODE 810.1 MINIMUM FIXTURES:
WHERE THE OCCUPANT LOAD OF THE STORY IS INCREASED BY 20 PERCENT, PLUMBING FIXTURES FOR THE STORY SHALL BE PROVIDED IN QUANTITIES SPECIFIED IN THE INTERNATIONAL PLUMBING CODE BASED ON THE INCREASED OCCUPANT LOAD.

BUILDING REQUIREMENTS

EXISTING OCCUPANCY

840 OCC/ 2 = 420 MALE AND 420 FEMALE

URINAL / WATER CLOSETS - 9 EXISTING
LAVATORIES - 7 EXISTING
DRINKING FOUNTAINS - 1 EXISTING
SERVICE SINKS - 1 EXISTING

NEW FIXTURES
WATER CLOSETS - 9
LAVATORIES - 7
DRINKING FOUNAINS - 1
SERVICE SINKS - 1

PROJECT SUMMARY

THE PROPOSED PROJECT IS AT THE EXISTING BOYS & GIRLS CLUB OF LANCASTER - JACK WALKER CLUBHOUSE LOCATED AT 229 W LEMON ST, LANCASTER, PA 17603

THE PROJECT CONSISTS OF RENOVATION OF THE EXISTING RESTROOMS, REMOVAL AND REPLACEMENT OF EXTERIOR STAIRS AND RAMPS, AND ROOF REPLACEMENT. THE INTERIOR RENOVATIONS WILL INCLUDE NEW WALLS, DOORS, TOILET FIXTURES AND ACCESSORIES, AND FINISHES. THE EXTERIOR RENOVATIONS WILL INCLUDE NEW CONCRETE STAIRS AND RAMPS WITH ASSOCIATED STEEL GUARDRAILS, AND ROOF REPLACEMENT. CIVIL, PLUMBING, MECHANICAL, AND ELECTRICAL SCOPE WILL ALSO BE INCLUDED.

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SEAL:

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CONSULTANT:

RENOVATION TO
JACK WALKER CLUBHOUSE
BOYS & GIRLS CLUB
229 W LEMON ST, LANCASTER, PA 17603

ISSUE DATES

DATE:	DESCRIPTION:
10/01/2024	BID DOCUMENTS

PROJ # : 24-80C-01 DRAWN BY : SAB

SHEET TITLE:

COVER SHEET

SHEET NUMBER:

CS1

BID

10/1/2024 12:35:37 PM

GENERAL STRUCTURAL NOTES:

1. The drawings shall be used in conjunction with the drawings of all other disciplines. The contractor shall verify the requirements of other trades as to sleeves, chases, hangers, inserts, anchors, holes and other items to be placed or set in the structural work.

2. The contractor shall be responsible for complying with all safety precautions and regulations during the work. The engineer will not advise on nor issue direction as to safety precautions and programs.

3. The structural drawings herein represent the finished structure. The contractor shall provide all temporary shoring, guying and bracing required to erect and hold the structure in proper alignment until all structural work and connections have been completed. The investigation, design, safety, adequacy and inspection of erection bracing, shoring, temporary supports, etc. is the sole responsibility of the contractor.

4. The engineer shall not be responsible for the methods, techniques and sequences of procedures to perform the work. The supervision of the work is the sole responsibility of the contractor.

5. Drawings indicate general and typical details of construction. Where conditions are not specifically shown, similar details of construction shall be used, subject to approval by the engineer.

6. Loading applied to the structure during the process of construction shall not exceed the safe load-carrying capacity of the structural members. The live loadings used in the design of this structure are indicated in the "Design Criteria Notes". Do not apply any construction loads until structural framing is properly connected together and until all temporary bracing is in place.

7. All ASTM and other references are per the latest editions of these standards, unless otherwise noted.

8. In accordance with Section 1704 of IBC 2018, special inspections will be required for this project. Special inspections shall be performed in accordance with the "Schedule of Special Inspections". All fabricators shall satisfy the "Exception" noted in section 1704.2.5.1, which requires the fabricator to maintain an agreement with an approved independent inspection or quality control agency. The contractor shall notify the special inspector at least 48 hours in advance for work that will require inspection or testing

9. Unless otherwise indicated, all items noted to be demolished shall become the contractor's property and be removed from the site.

10. Contractors shall visit the site prior to bid to ascertain conditions which may adversely affect the work or cost thereof.

DESIGN CRITERIA NOTES:

1. The intended design standards and/or criteria are as follows:
General: Uniform statewide bldg. code (IBC 2018, Chapter 16 as amended)
Concrete: ACI 318-14

2. Design gravity dead loads used in the design of this structure are as follows (refer to IBC 2018 section 1606):

All other Actual weight

3. Design gravity live loads used in the design of this structure are as follows (refer to IBC 2018 section 1607):

Concrete Ramps & Stairs 100 PSF

4. The structure has been designed as Risk Category II in accordance with IBC 2018 table 1604.5.

5. This structure has been designed with "safety factors" in accordance with generally accepted principles of structural engineering. The fundamental nature of the "safety factor" is to compensate for uncertainties in the design, fabrication and erection of structural building components. It is intended that "safety factors" be used so that the load carrying capacity of the structure does not fall below the design load and that the building will perform under design load without distress. While the use of "safety factors" implies some excess capacity beyond design load, such excess capacity cannot be adequately predicted and SHALL NOT BE RELIED UPON.

EXISTING CONSTRUCTION NOTES:

1. Before proceeding with any work within the existing facility, the contractor shall familiarize himself with existing structural and other conditions. It shall be the contractor's responsibility to provide all necessary bracing, shoring and other safeguards to maintain all parts of the existing work in a safe condition during the process of demolition and construction and to protect from damage those portions of the existing work which are to remain.

2. The contractor shall field verify the dimensions, elevations, etc. necessary for the proper construction and alignment of the new portions of the work to the existing work. The contractor shall make all measurements necessary for fabrication and erection of structural members. Any discrepancy shall be immediately brought to the attention of the engineer.

DEMOLITION NOTES:

1. The contractor is to obtain and pay for all necessary permits for the demolition and removal work required.

2. Demolition procedures, shoring requirements, sequences, techniques, etc. either given in or implied to by these drawings are suggestions only.

3. Prior to undertaking any demolition work, the contractor shall ascertain, by survey, the existing conditions of the property and the extent of the demolition work involved.

4. The contractor shall perform all demolition work in such a manner as to protect the existing structure and be responsible to properly repair any damage which may occur as a result of his demolition work. If the contractor damaged the existing structure to remain, he shall notify the owner and engineer immediately and for all repair costs, including design and inspection expenses.

5. The contractor shall cease demolition operations and notify the owner and engineer immediately if it appears that the integrity of the structure has been affected by the demolition work.

6. The contractor shall not cut or alter any structural members to remain without written authorization by the engineer or as indicated on the structural drawings.

7. All existing dimensions (distances, elevations, member sizes, etc.) shown on the drawings shall be verified in the field by the contractor.

8. The contractor shall provide a temporary platform to catch debris from slab removal. Do not allow resulting debris to accumulate in the work area. All debris shall be disposed of in a legal manner with as little disturbance to adjacent spaces and occupants as possible.

9. Cutting of existing concrete slabs shall be performed in a neat professional manner. Drill corners and saw cut straight lines around the perimeter of the new opening.

SUBGRADE PREPARATION NOTES:

1. All site preparation shall conform to the requirements of IBC 2018 Chapter 18.

2. Within an area a minimum of 5 feet beyond the building limits, excavate a minimum of 4" of existing soil. Remove all organics, pavement, roots, debris and otherwise unsuitable material.

3. The surface of the exposed subgrade shall be inspected by probing or testing to check for pockets of soft or unsuitable material. Excavate unsuitable soil as directed by the geotechnical engineer/testing agency.

4. Fill all excavated areas with approved controlled fill. Place in 8 inch loose lifts and compact to a minimum of 95% of the maximum dry density in accordance with ASTM D-698.

5. All controlled fill material shall be a select granular material free from all organics or otherwise deleterious material with not more than 20% by weight passing a No. 200 sieve (classified as SC, SM, SP or better in accordance with the unified soil classification system) and with a plasticity index not exceeding 6%.

6. Provide field density tests for each 3,000 s.f. of building area for each lift of controlled fill.

FOUNDATION NOTES:

1. All foundation construction shall conform to the requirements of IBC 2018 Chapter 18.

2. All footings have been designed based upon an assumed soil bearing pressure of 3,000 psf. All footings shall bear on undisturbed, firm natural soil or compacted fill. All foundation excavations shall be evaluated by the geotechnical engineer/testing agency prior to pouring foundation concrete.

3. Top of footing elevation shall be as shown on the foundation plan. These elevations are a maximum and shall be lowered as required to obtain the required design bearing pressure or lowered below new or existing utilities per typical details.

4. All foundation concrete shall obtain a 28 day compressive strength of 4,000 psi. All concrete to be permanently exposed to weather shall be air entrained to 5% (+-1%) with an admixture that conforms to ASTM C-260.

5. All concrete work shall conform to the requirements of ACI 301, "Specification for Structural Concrete Buildings". Hot weather concreting shall be in accordance with ACI 305. Cold weather concreting shall be in accordance with ACI 306.

6. All reinforcing steel shall conform to ASTM A-615, Grade 60. Reinforcing shall be detailed and installed per ACI 315 and CRSI Manual of Standard Practice.

7. Unless otherwise noted, the following concrete cover shall be provided for reinforcement.
A) Concrete cast against and permanently exposed to earth: 3"
B) Concrete exposed to earth or weather:
#6 through #18 bars: 2"
#5 bar, W31 or D31 wire and smaller: 1-1/2"

8. All reinforcing marked continuous (cont.) on the plans and details shall be lapped 36xbar diameters at splices unless otherwise noted.

9. No unbalanced backfilling shall be placed against foundation walls unless walls are securely braced against overturning, either by temporary bracing or by permanent construction.

10. Prior to commencing any foundation work, coordinate work with any existing utilities. Foundations shall be lowered where required to avoid utilities.

SLAB ON GRADE NOTES:

1. Slab-on-grade construction shall conform to the requirements of ACI 301, "Specification for Structural Concrete Buildings" and IBC 2018 Section 1907.

2. Provide concrete slabs as indicated on plans over 4" of porous fill as follows:
4" slab reinforced with 6x6- W1.4Xw1.4 welded wire fabric and with 4000 psi mix concrete
Maximum slump for all concrete slabs shall be 5 inches, using type I cement.

3. All welded wire fabric shall be in accordance with ASTM A-1064. Lap adjoining pieces at least one full mesh.

4. All porous fill material shall be a clean granular material with 100% passing a 1-1/2" sieve and no more than 5% passing a no. 4 sieve. Porous fill shall be compacted to 95% max. dry density per ASTM D-698.

5. Slab joints shall be filled with approved material. This should take place as late as possible, preferably 4 to 6 weeks after the slab has been cast. Prior to filling, remove all debris from the slab joints, then fill in accordance with the manufacturer's recommendations as follows: fill with field molded or elastomeric sealant.

6. Unless otherwise approved, all welded wire fabric shall be blocked into the position indicated with precast concrete blocks having a compressive strength equal to that of the slab.

7. Slabs to be permanently exposed to weather shall be air entrained to 5% (+-1%) with an admixture that conforms to ASTM C-260.

8. In order to avoid concrete shrinkage cracking, the maximum length of slab cast in any one continuous pour is recommended to be less than 100 feet. The maximum spacing of joints shall be 12'.

9. The alternate wires of the welded wire fabric must be precut at the slab contraction joint locations to create a "weakened plane". Without cutting the alternate wires, the strength of the wire will prevent the slab from cracking (separating) at the joint and the slab may begin to crack elsewhere.

10. The use of polypropylene fibers (in lieu of welded wire fabric) is prohibited without the written authorization of the engineer.

CAST-IN-PLACE CONCRETE NOTES:

1. Concrete mixes shall be designed per ACI 301, using Portland cement conformring to ASTM C-150 or C-595, aggregate conforming to ASTM C-33, and admixtures conforming to ASTM C-494, C-1017, C-618, C-989 and C-260. Concrete shall be ready-mixed in accordance with ASTM C-94.

2. Concrete shall conform to the following compressive strength, slump and water/cement ratio requirements:

Concrete	Min. f'c (28 days)	Slump*	W/C ratio
Concrete not noted	3000 psi	2" to 4"	.50
Foundation	See Fdn. Notes	2" to 4"	.50
Slabs-on-grade	See "Slab-on-Grade Notes"		.50

* At contractor's option, an approved admixture may be used to produce flowable concrete. Maximum slump shall not exceed 10 inches. The contractor shall submit test results of the proposed concrete mixes along with the manufacturer's technical data for approval prior to pouring concrete.

3. All concrete work shall conform to the requirements of ACI 301, "Specification for Structural Concrete Buildings" and IBC 2018 Chapter 19. Hot weather concreting shall be in accordance with ACI 305. Cold weather concreting shall be in accordance with ACI 306.

4. All reinforcing steel shall conform to ASTM A-615, grade 60. Reinforcing steel shall be detailed and installed per ACI 315 and CRSI Manual of Standard Practice.

5. All welded wire fabric (W.W.F.) shall conform to ASTM A-1064.

6. All reinforcing steel shall be set and tied in place prior to pouring of concrete, except that vertical dowels for masonry wall reinforcing may be "floated" in place. Do not field bend bars partially embedded in hardened concrete unless specifically indicated or approved by the engineer.

7. Reinforcing steel, including hooks and bends, shall be detailed in accordance with ACI 315. All reinforcing steel indicated as being continuous (cont) shall be lapped with a type 2 lap splice unless otherwise noted.

8. Unless otherwise noted, the following concrete cover shall be provided for reinforcement:
A) Concrete exposed to earth or weather:
#6 through #18 bars : 2"
#5 bar, W31 or D31 wire and smaller : 1-1/2"
B) Foundation concrete (see "Foundation Notes")

9. Bar supports and holding bars shall be provided for all reinforcing steel to insure minimum concrete cover. Bar supports shall be plastic tipped or stainless steel.

10. All edges of permanently exposed concrete surfaces shall be chamfered 3/4" unless otherwise noted.

11. In accordance with IBC 2018, special inspections are required for the concrete work. The owner will hire the special inspector to perform all required special inspections.

12. Formwork shall remain in place until concrete has obtained at least 90% of its 28 day compressive strength. The contractor shall provide all shoring and reshoring.

POST-INSTALLED ANCHOR NOTES:

1. Except where indicated on the drawings, post-installed anchors shall consist of the following anchor types as provided by HILTI, Inc. Contact HILTI at (800) 879-8000 for product related questions.
A. Rebar doweling into concrete
1. Adhesive anchors for cracked and uncracked concrete use:
A. HILTI HIT-HY 200 safe set system with HILTI hollow drill bit and vacuum with continuously deformed rebar per ICC ESR-318
2. Basis of design includes the following design parameters:
A. Cracked concrete
B. Water-saturated concrete
C. Base material temperature of 23-104 degrees Fahrenheit
D. Allowable with hammer-drill, hollow drill bit system, and core drilling methods
E. Current ICC-ES report with approval for development of bar using ACI provisions for embedment depths greater than 20 bar diameters

2. Anchor capacity used in design shall be based on the technical data published by HILTI or other such method as approved by the structural engineer of record. Substitution requests for alternate products must be approved in writing by the structural engineer of record prior to use. Contractor shall provide calculations that have been sealed by another licensed engineer demonstrating that the substituted product is capable of meeting the performance of the specified product. Substitutions will be evaluated by their having an ICC ESR showing compliance with the relevant building code for seismic uses, load resistance, installation category, and availability of comprehensive installation instructions. Adhesive anchor evaluation will also consider creep, in-service temperature, installation temperature, moisture condition of concrete, and drilling methods.

3. Use of diamond core bit with roughening tool for anchor holes requires approval from engineer of record prior to drilling. Unless otherwise shown in the drawings, all holes shall be drilled perpendicular to the concrete surface.

4. Install anchors per the manufacturer's printed installation instructions, as included in the anchor packaging.

5. Overhead adhesive anchors must be installed using the HILTI Profi Piston Plug System.

6. ACI/CRSI adhesive anchor installer certification is required for all installers of adhesive anchors in horiztonal or upwardly inclined orientation. The HILTI Adhesive Anchor Installer Certification Program (HAAICP) is an approved equivalent.

7. The contractor shall arrange an anchor manufacturer's representative to provide onsite installation training for all anchor products specified. The structural engineer of record must receive documented confirmation that all personnel who install anchors are trained prior to the commencement of anchor installation.

8. Anchor capacity is dependent upon spacing between adjacent anchors and proximity of anchors to edge of concrete. Install anchors in accordance with spacing and edge clearances indicated on the drawings.

9. Existing reinforcing bars in the concrete structure may conflict with specific anchor locations. Unless noted on the drawings that the bars can be cut, the contractor shall review the existing structural drawings and shall undertake to locate the position of the reinforcing bars at the locations of the concrete anchors by HILTI PS 1000 or other GPR, X-RAY, chipping or other approved means.

GUARDRAIL NOTES:

1. Engineer, fabricate, and install handrails and railing systems to comply with requirements of ASTM A-985 for structural performance based on the following:
a. Testing performed according to ASTM A-894 and E 935.
b. Structural computations.

2. Railing System and Handrail Design Live Loads: Engineer, fabricate, and install handrails and railing system to withstand the following structural loads without exceeding the allowable design working stress of the materials involved, including anchors and connections. Apply each load to produce the maximum stress in each off the respective components of each metal fabrication.
a. Top Rail of Guardrail System: Capable of withstanding the following loads applied as indicated:
1. Concentrated load of 200 lbs applied at any point and in any direction.
2. Uniform load of 50 lbs per linear foot applied in any direction.
3. Concentrated and uniform loads above need not be assumed to act concurrently.
b. Handrails Not Serving as Top Rails: Capable of withstanding the following loads applied as indicated.
1. Concentrated load of 200 lbs applied at any point and in any direction.
2. Uniform load of 50 lbs per linear foot applied in any direction.
3. Concentrated and uniform loads above need not to be assumed to act concurrently.
c. Infill Area of Guardrail Systems: Capable of withstanding a horizontal concentrated load of 50 lbs applied to one sq. ft. at any point on the system including panels, intermediate rails, balusters, or other elements composing the infill area.
1. Above load need not be assumed to act concurrently with loads on top rails of railing system in determining stress on guard.

3. Submit Shop drawings detailing fabrication and installation of guardrail systems. Include plans, elevations, sections, and details of the guardrails and their connections. Show anchorage and accessory items.
a. Include delegated design structural analysis data sealed and signed by the qualified professional engineer who was responsible for their preparation.

4. Welding Standards: Comply with applicable provisions of AWS D1.1 "Structural Welding Code-Steel" and AWS D1.3 "Structural Welding Code-Sheet Steel."
a. Certify that each welder has satisfactorily passed AWS qualification tests for welding processed involved and, if pertinent, has undergone recertification.

SCHEDULE OF SPECIAL INSPECTIONS:

SPECIAL INSPECTIONS SHALL BE PROVIDED IN ACCORDANCE WITH THE TABLE(S) BELOW.

REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS:
IBC 2018 TABLE 1705.6

TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	—	X
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	—	X
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	—	X
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	—
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	—	X

REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION:
IBC 2018 TABLE 1705.3

TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	REFERENCED STANDARD	IBC REFERENCE
1. INSPECT REINFORCEMENT AND VERIFY PLACEMENT.	—	X	ACI 318 CH. 20, 25.2, 25.3, 26.6.1-26.6.3	1908.4
2. REINFORCING BAR WELDING:				
a. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706;	—	X	AWS D1.4 ACI 318: 26.6.4	—
b. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"; AND	—	X		
c. INSPECT ALL OTHER WELDS.	X	—		
3. VERIFY USE OF REQUIRED DESIGN MIX.	—	X	ACI 318: CH. 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
4. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	—	ASTM C172 ASTM C31 ACI 318: 26.5, 26.12	1908.10
5. INSPECT CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	—	ACI 318: 26.5	1908.6, 1908.7, 1908.8
6. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	—	X	ACI 318: 26.5.3-26.5.5	1908.9
7. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE BEING FORMED.	—	X	ACI 318: 26.11.1.2(b)	—

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CONSULTANT:

RENOVATION TO
JACK WALKER CLUBHOUSE
BOYS & GIRLS CLUB
229 W LEMON ST, LANCASTER, PA 17603

ISSUE DATES

DATE:	DESCRIPTION:
10/01/2024	BID DOCUMENTS

PROJ # : 24-BGC-01 DRAWN BY : MRG

SHEET TITLE:
GENERAL STRUCTURAL NOTES & SCHEDULE OF SPECIAL INSPECTIONS

SHEET NUMBER:
A0.1

BID

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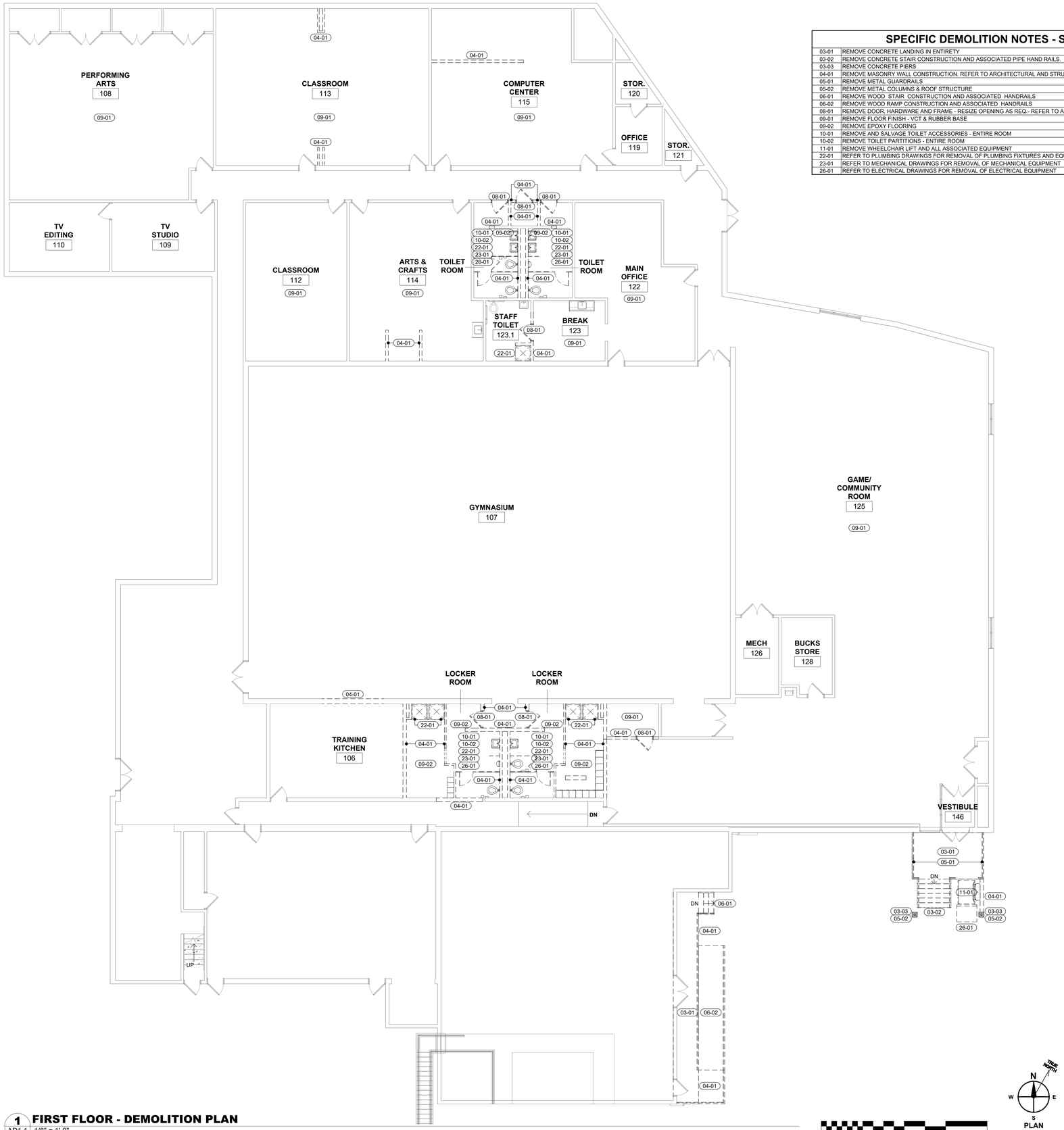

SPECIFIC DEMOLITION NOTES - SHEET AD1.1

03-01	REMOVE CONCRETE LANDING IN ENTIRETY
03-02	REMOVE CONCRETE STAIR CONSTRUCTION AND ASSOCIATED PIPE HAND RAILS.
03-03	REMOVE CONCRETE PIERS
04-01	REMOVE MASONRY WALL CONSTRUCTION. REFER TO ARCHITECTURAL AND STRUCTURAL DWGS. FOR EXTENT AND COORDINATION
05-01	REMOVE METAL GUARDRAILS
05-02	REMOVE METAL COLUMNS & ROOF STRUCTURE
06-01	REMOVE WOOD STAIR CONSTRUCTION AND ASSOCIATED HANDRAILS
06-02	REMOVE WOOD RAMP CONSTRUCTION AND ASSOCIATED HANDRAILS
08-01	REMOVE DOOR, HARDWARE AND FRAME - RESIZE OPENING AS REQ.- REFER TO ARCHITECTURAL DWGS FOR SIZE & EXTENT.
09-01	REMOVE FLOOR FINISH - VCT & RUBBER BASE
09-02	REMOVE EPOXY FLOORING
10-01	REMOVE AND SALVAGE TOILET ACCESSORIES - ENTIRE ROOM
10-02	REMOVE TOILET PARTITIONS - ENTIRE ROOM
11-01	REMOVE WHEELCHAIR LIFT AND ALL ASSOCIATED EQUIPMENT
22-01	REFER TO PLUMBING DRAWINGS FOR REMOVAL OF PLUMBING FIXTURES AND EQUIPMENT
23-01	REFER TO MECHANICAL DRAWINGS FOR REMOVAL OF MECHANICAL EQUIPMENT
26-01	REFER TO ELECTRICAL DRAWINGS FOR REMOVAL OF ELECTRICAL EQUIPMENT

1 AD1.1 **FIRST FLOOR - DEMOLITION PLAN**
1/8" = 1'-0"

0 8' 16' 24' 32'

N W E S
TRUE NORTH
PLAN NORTH

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ISSUE DATES

DATE:	DESCRIPTION:
10/01/2024	BID DOCUMENTS

PROJ # : 24-BGC-01 DRAWN BY : SAB

SHEET TITLE:

FIRST FLOOR DEMOLITION PLAN

SHEET NUMBER:

AD1.1

BID

ROOF DEMOLITION NOTES

ROOF DEMOLITION

07-01 DEMO CANOPY ENTIRE CONSTRUCTION, REFER TO AD1.1

07-02 DEMO EXISTING EPDM ROOFING SYSTEM; INSULATION. CRICKETS FLASHING METAL FACIA AND ASSOC. WOOD BLOCKING. EXISTING METAL ROOF DECK, NOT TO BE DISTURBED.

07-03 DEMO EXISTING GUTTERS AND DOWN SPOUTS

07-04 GC TO REMOVE EXISTING MECH CURB - MC TO REMOVE EQUIPMENT. GC TO PROVIDE DECK INFILL. COORDINATE WITH MECH CONTRACTOR REINSTALL.

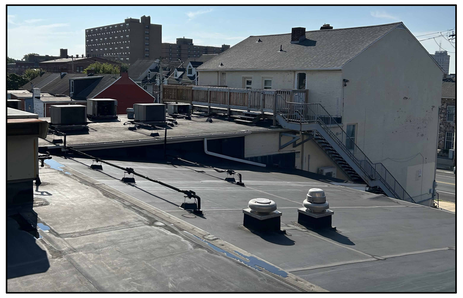
ROOF DEMOLITION LEGEND

(E) RD EXISTING ROOF DRAIN

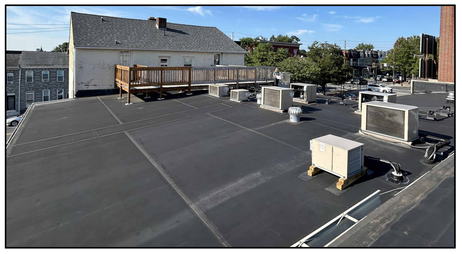
(E)V EXISTING VENT PIPE. REFER TO PLUMBING DRAWINGS FOR REMOVAL IN-FILL OPENING FOR FUTURE ROOF.

EXISTING ROOF TOP EQUIPMENT AND CURBS (VARIOUS SIZES). REMOVE ROOF CURBS AND IN-FILL OPENING FOR FUTURE ROOF.

EXISTING ROOF TOP EQUIPMENT AND WOOD RAILS (VARIOUS SIZES). REMOVE ROOF RAILS FOR FUTURE ROOF.

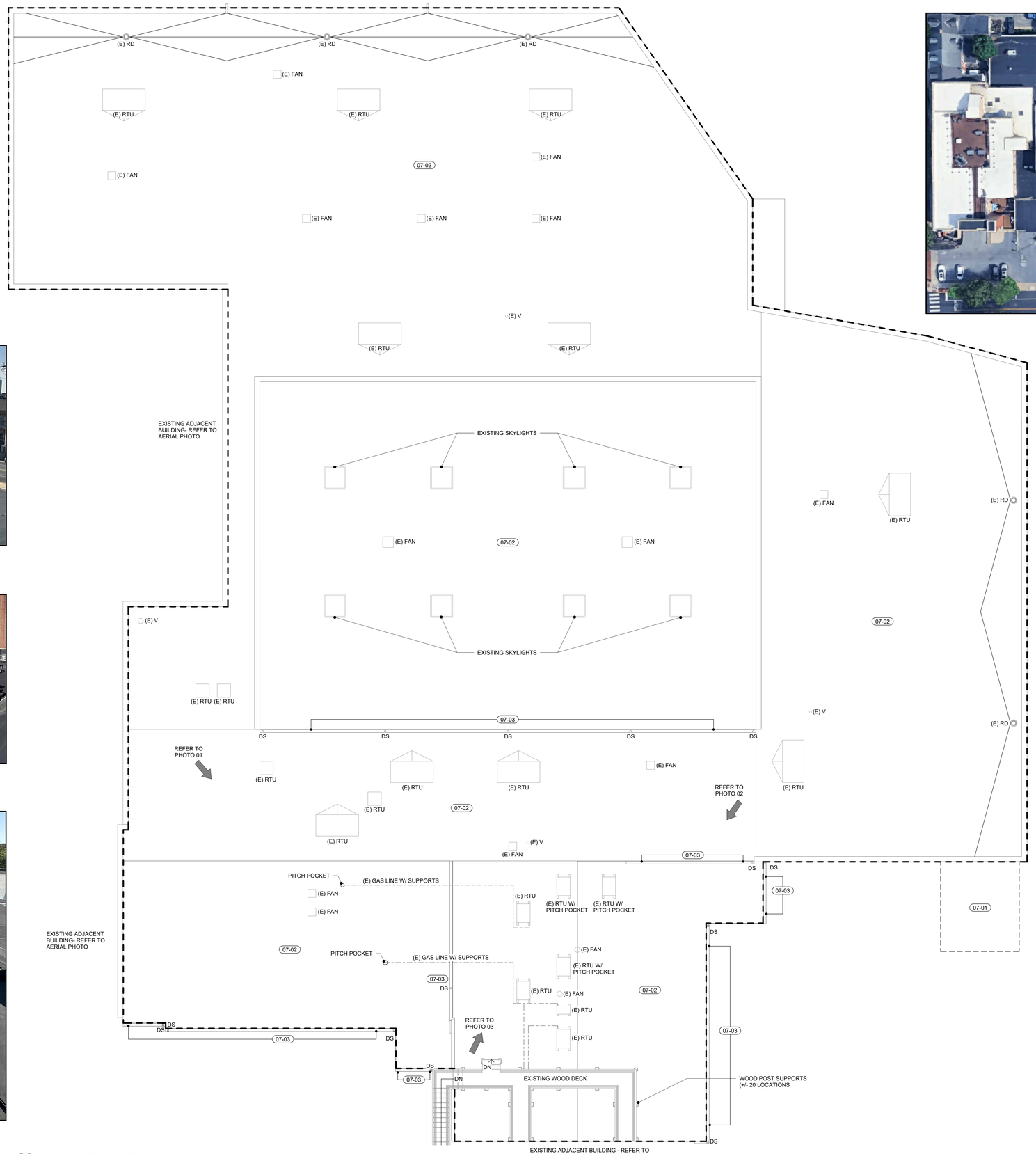


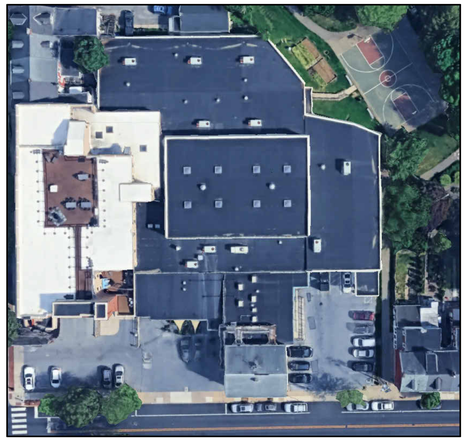
EXISTING CONDITION PHOTO 01



EXISTING CONDITION PHOTO 02

EXISTING CONDITION PHOTO 03





AERIAL SITE PHOTO

1 ROOF DEMOLITION PLAN
AD1.2 1/8" = 1'-0"

0 8' 16' 24' 32'

TRUE NORTH
N W E S
PLAN NORTH

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ISSUE DATES

DATE:	DESCRIPTION:
10/01/2024	BID DOCUMENTS

PROJ # : 24-BGC-01 DRAWN BY : SAB

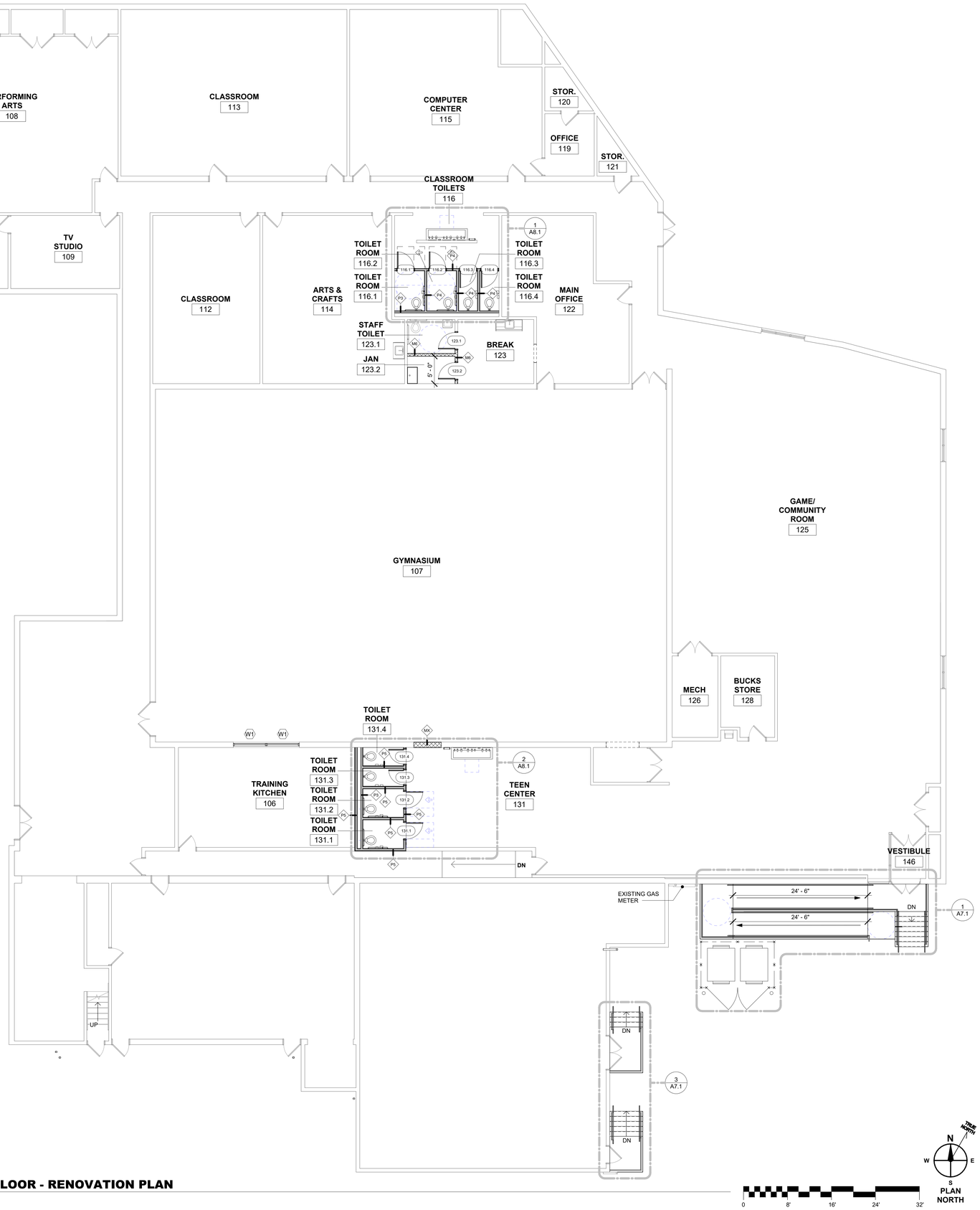
SHEET TITLE:

ROOF DEMOLITION PLAN

SHEET NUMBER:

AD1.2

BID



1 A1.1 **FIRST FLOOR - RENOVATION PLAN**
1/8" = 1'-0"

PARTITION TYPE SCHEDULE & NOTES

INTERIOR PARTITIONS

STUD PARTITIONS

P3	3 5/8" MTL. STUDS W/ ONE LAYER OF 5/8" GWB ON ONE SIDE, FILL W/ ACOUS. BATT INSUL. NOTE: (2) BACK-TO-BACK P3 WALLS: STC-50
P4	3 5/8" MTL. STUDS W/ 5/8" GWB E.S., FILL W/ ACOUS. BATT INSUL.
P5	3 5/8" MTL. STUDS W/ (1) LAYER 5/8" GWB, FILL W/ ACOUS. BATT INSUL., (2) LAYERS 5/8" GWB. STC-50

CMU WALLS

M6	6" C.M.U.

WALL INFILLS

MX	C.M.U. INFILL TO MATCH EXISTING WALL THICKNESS. MATCH EXISTING FIRE-RATING, WHERE APPLICABLE.

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ISSUE DATES

DATE:	DESCRIPTION:
10/01/2024	BID DOCUMENTS

PROJ # : 24-BGC-01 DRAWN BY : SAB

SHEET TITLE:

FIRST FLOOR PLAN

SHEET NUMBER:

A1.1

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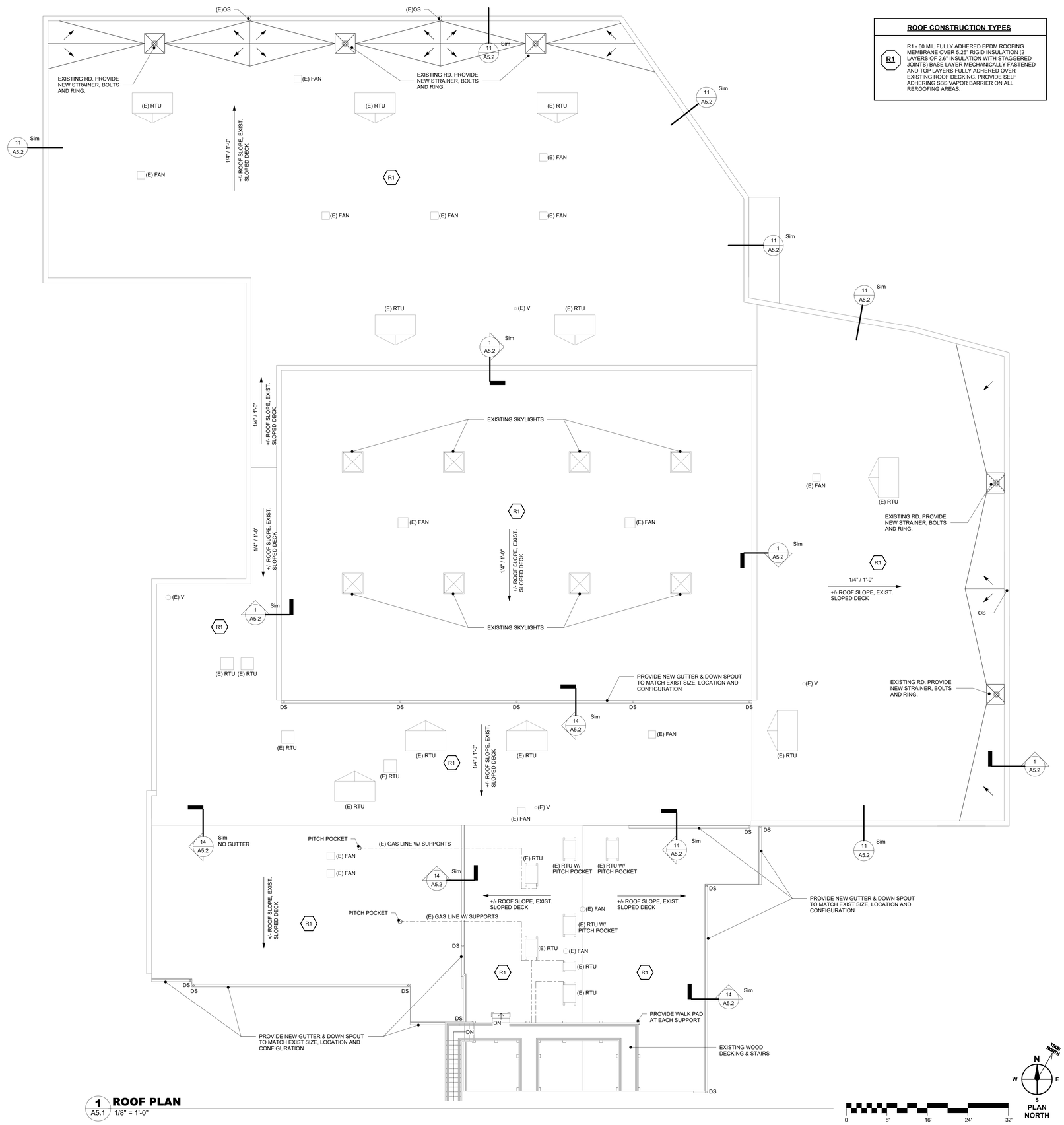

1 ROOF PLAN
A5.1 1/8" = 1'-0"

ROOF CONSTRUCTION TYPES

R1 — R1 - 60 MIL FULLY ADHERED EPDM ROOFING MEMBRANE OVER 5.25" RIGID INSULATION (2 LAYERS OF 2.6" INSULATION WITH STAGGERED JOINTS) BASE LAYER MECHANICALLY FASTENED AND TOP LAYERS FULLY ADHERED OVER EXISTING ROOF DECKING. PROVIDE SELF ADHERING SBS VAPOR BARRIER ON ALL REROOFING AREAS.

ROOF LEGEND

RD	ROOF DRAIN WITH 4'X4' SUMP FORMED BY TAPERED INSULATION
R#	NEW ROOF CONSTRUCTION TYPE
	TAPERED POLYISO CRICKET w/ 1/2" SLOPE
AHU-#, MUA-#	AIR HANDLER
EA-#	EXHAUST FAN
V	VENT
OS	OVERFLOW SCUPPER
→	SLOPE DIRECTION

GENERAL NOTES

1. MECHANICAL / ELECTRICAL / PLUMBING ROOF TOP EQUIPMENT IS SHOWN FOR COORDINATION. COORDINATE WITH THE MECHANICAL, ELECTRICAL AND PLUMBING DRAWING AND FIRLD VERIFY ALL EXISTING FOR ROOF PENETRATION QUANTITIES, STRUCTURE, DIMENSIONS AND FLASHING REQUIREMENTS.

2. IN ROOF TYPES NOTED TO BE MECHANICALLY FASTENED, LAYERS ARE TO BE ANCHORED TO THE BOTTOM FLUTE OF METAL ROOF DECK.

3. PROVIDE SPLASH GUARD W/ WALK PAD AT ALL LOCATIONS OF DOWNSPOUT EMPTYING ON TO A ROOF SURFACE.

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ISSUE DATES

DATE:	DESCRIPTION:
10/01/2024	BID DOCUMENTS

PROJ # : 24-BGC-01 DRAWN BY : DRW

SHEET TITLE:
ROOF PLAN

SHEET NUMBER:
A5.1

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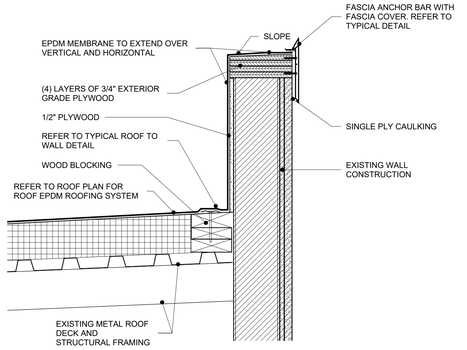
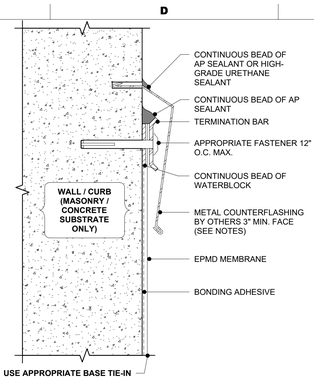


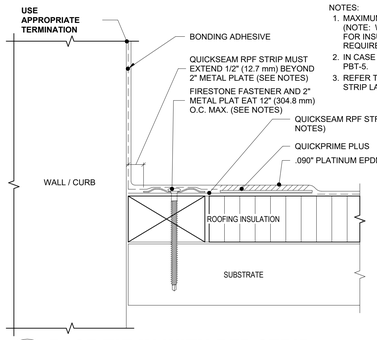
1 ROOF TO WALL DETAIL
A5.2 1 1/2" = 1'-0"



NOTES:
1. REFER TO MANUFACTURES WEBSITE FOR MOST CURRENT INFORMATION.
2. WATER BLOCK APPLIED AT THE RATE OF 10 LINEAR FEET PER TUBE.
3. REGULAR MAINTENANCE OF COUNTERFKASHING AND SEALANTS REQUIRED. NOT INCLUDED AS PART OF THE WARRANTY.
4. METAL COUNTERFLASHING SHALL BE 24 GAUGE PRE-FINISHED STEEL OR .032" MIN. ALUMINUM FORMED WITH HEMMED LOWER EDGE.
5. INSTALL TERMINATION BAR WITH 1/4" GAP BETWEEN ADJOINING SECTIONS.
6. TERMINATION BAR MUST BE CUT AT INSIDE AND OUTSIDE CORNERS. **DOT BEND AROUND CORNERS.**
7. TERMINATION BAR MUST BE FASTENED WITHIN 1" MAX. OF ALL SECTION ENDS.
8. INSTALL METAL WORK IN ACCORDANCE WITH CURRENT SMACNA RECOMMENDATIONS.

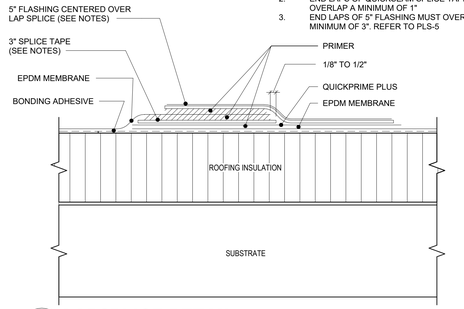
MASONRY AND CONCRETE WALLS / CURBS MUST BE WATERPROOFED AND MAINTAINED IN ORDER FOR ANY SURFACE MOUNTED TERMINATION TO BE EFFECTIVE.

2 TERMINATION DETAIL w/ TERMINATION BAR
A5.2 NTS



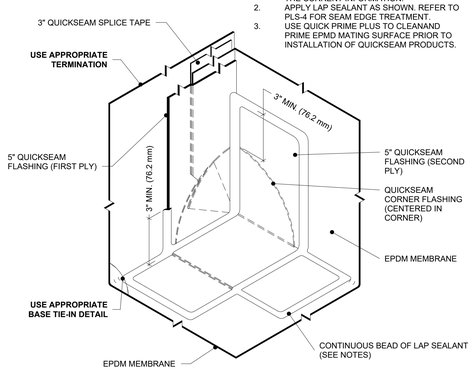
NOTES:
1. MAXIMUM 6" (152.4 mm) LONG FASTENERS. (NOTE: WOOD BLOCKING MAY BE SUBSTITUTED FOR INSULATION TO REDUCE FASTENER LENGTH REQUIREMENT).
2. IN CASE OF OBSTRUCTION REFER TO DETAIL PBT-5.
3. REFER TO PBT-12 & 13 FOR QUICKSEAM RPF STRIP LAYOUT.

3 BASE TIE-IN WITH RFP STRIP
A5.2 NTS



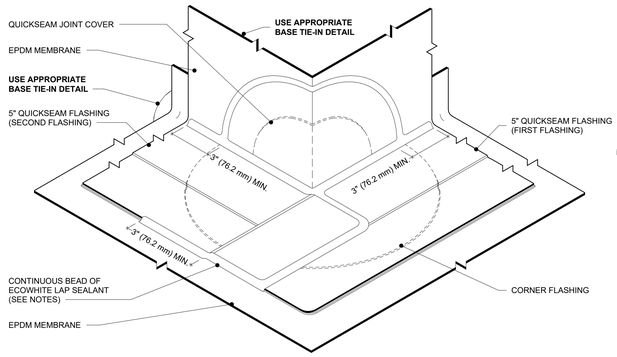
NOTES:
1. REFER TO MAUFACTURES WEBSITE FOR MOST CURRENT INFORMATION
2. END LAPS OF QUICKSEAM SPLICE TAPE MUST OVERLAP A MINIMUM OF 1"
3. END LAPS OF 5" FLASHING MUST OVERLAPA MINIMUM OF 3". REFER TO PLS-5

4 LAPSPLICE DETAIL
A5.2 NTS



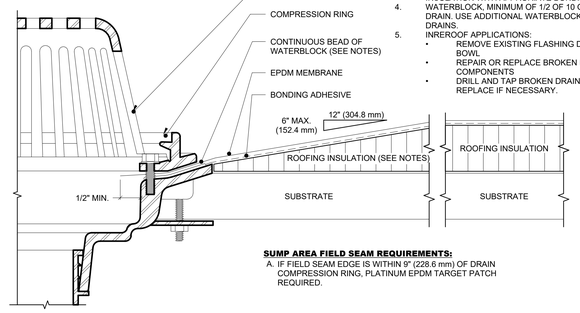
NOTES:
1. REFER TO MANUFACUTERS WEBSITE FOR THE CURRENT INFORMATION.
2. APPLY LAP SEALANT AS SHOWN. REFER TO PLS-4 FOR SEAM EDGE TREATMENT.
3. USE QUICK PRIME PLUS TO CLEANAND PRIME EPMD MATING SURFACE PRIOR TO INSTALLATION OF QUICKSEAM PRODUCTS.

5 INSIDE CORNER DETAIL WITH CORNER FLASHING
A5.2 NTS



NOTES:
1. REFER TO MANUFACTURE WEBSITE FOR MOST CURRENT INFORMATION.
2. REFER TO PLS-4 FOR SEAM EDGE TREATMENT.
3. REFER TO PC-1a FOR DETAILED INSTALLATION INSTRUCTIONS.
4. USE PROPER PRIMER TO CLEAN AND PRIME EPDM MATING SURFACES PRIOR TO INSTULATION OF QUICKSEAM PRODUCTS.

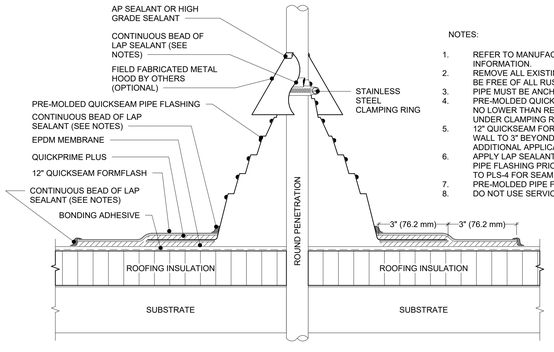
6 OUTSIDE CORNER DETAIL WITH CORNER FLASHING
A5.2 NTS



NOTES:
1. REFER TO MANUFACTURES WEBSITE FOR THE MOST CURRENT INFORMATION.
2. HOLE IN THE MEMBRANE SHOULD EXTEND A MINIMUM OF 1/2" BEYOND CLAMPING RING AND SHOULD NOT BE SMALLER THAN THE DIAMETER OF THE LEADER PIPE.
3. INSULATION ADJUCENT TO DRAIN TO BE APROPIATE INSULATION WITH APPRORIATE BONDING SURFACE.
4. WATERBLOCK, MINIMUM OF 1/2 OF 10 OZ. TUBE PER 4" DRAIN. USE ADDITIONAL WATERBLOCK FOR LAGER DRAINS.
5. INREROOF APPLICATIONS:
   - REMOVE EXISTING FLASHING DOWN TO METAL BOWL
   - REPAIR OR REPLACE BROKEN DRAIN COMPONENTS
   - DRILL AND TAP BROKEN DRAIN BOLTS AND REPLACE IF NECESSARY.

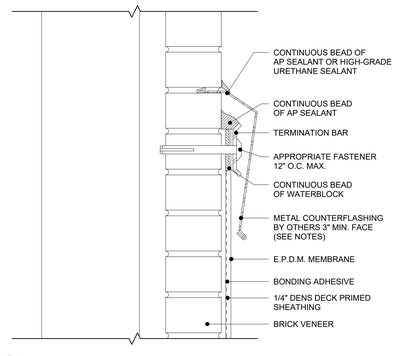
SUMP AREA FIELD SEAM REQUIREMENTS:
A. IF FIELD SEAM EDGE IS WITHIN 9" (228.6 mm) OF DRAIN COMPRESSION RING, PLATINUM EPDM TARGET PATCH REQUIRED.

7 ROOF DRAIN DETAIL
A5.2 NTS



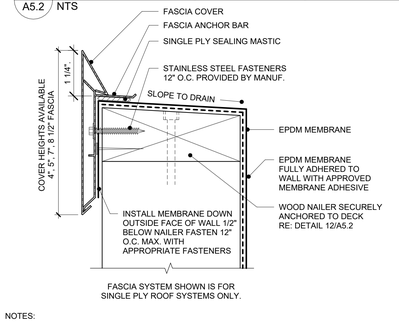
NOTES:
1. REFER TO MANUFACTURES WEBSITE FOR MOST CURRENT INFORMATION.
2. REMOVE ALL EXISTING FLASHING, LEADS, ETC. PIPE SURFACE MUST BE FREE OF ALL RUST, GREASE, INSULATION, ETC.
3. PIPE MUST BE ANCHORED TO ENSURE STABILITY.
4. PRE-MOLDED QUICKSEAM PIPE FLASHING MAY CUT TO HEIGHT, BUT NO LOWER THAN REINFORCING RING (NO WRINKLES OR FOLDS UNDER CLAMPING RING).
5. 12" QUICKSEAM FORMFLASH EXTENDING 1/4" FROM PIPE FLASHING WALL TO 3" BEYOND PIPE FLASHING. REFER TO PP-8 FOR ADDITIONAL APPLICATION INFORMATION AND OPTIONS.
6. APPLY LAP SEALANT BETWEEN PENETRATION AND PRE-MOLDED PIPE FLASHING PRIOR TO INSTALLATION OF CLAMPING RING. REFER TO PLS-4 FOR SEAM EDGE TREATMENT.
7. PRE-MOLDED PIPE FLASHING FITS 1" - 6" PENETRATION SIZES.
8. DO NOT USE SERVICE LINE TEMP. EXCEEDS 180°F. REFER TO PP-4.

9 PIPE PENETRATION WITH FLASHING
A5.2 NTS



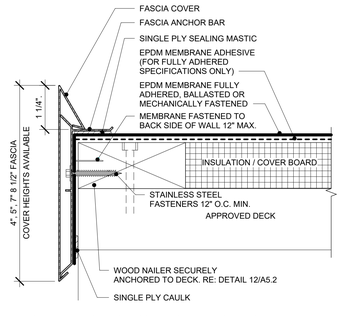
NOTES:
1. REFER TO MANUFACTURER'S WEBSITE FOR MOST CURRENT INFORMATION.
2. WATER BLOCK APPLIED AT THE RATE OF 10 LINEAR FEET PER TUBE.
3. REGULAR MAINTENANCE OF COUNTERFLASHING AND SEALANTS REQUIRED. NOT INCLUDED AS PART OF THE WARRANTY.
4. METAL COUNTERFLASHING SHALL BE 24 GAUGE PRE-FINISHED STEEL OR .032 MIN. ALUMINUM FORMED WITH HEMMED LOWER EDGE.
5. INSTALL TERMINATION BAR WITH 1/4" GAP BETWEEN ADJOINING SECTIONS.
6. TERMINATION BAR MUST BE CUT AT INSIDE AND OUTSIDE CORNERS. DO NOT BEND CORNERS.
7. TERMINATION BAR MUST BE FASTENED WITHIN 1" MAX. OF ALL SECTION ENDS.
8. INSTALL METAL WORK IN ACCORDANCE WITH CURRENT SMACNA RECOMMENDATIONS.

10 ROOF DETAIL - TERMINATION
A5.2 NTS



NOTES:
1. REFER TO MANUF. WEBSITE FOR MOST UP-TO-DATE INFORMATION.
2. PLEASE SEE SINGLE PLY FLASHING SPECIFICATIONS FOR A FULL DESCRIPTION OF INSTALLATION INSTRUCTIONS AND REQUIREMENTS WHICH ARE CONSIDERED A PART OF THIS DETAIL.
3. ANY CARPENTRY OR METAL WORK SHOULD BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH LOCAL CODE REQUIREMENTS AND/OR PROJECT SPECIFICATIONS. THESE COMPONENTS SHOULD BE REVIEWED AND APPROVED BY A LICENSED DESIGN PROFESSIONAL.
4. REFER TO MANUFACTORS INSTALLATION INSTRUCTIONS FOR PROPER FASTENING REQUIREMENTS FOR COPING CAP.

11 FASCIA CAP SYSTEM
A5.2 NTS



NOTES:
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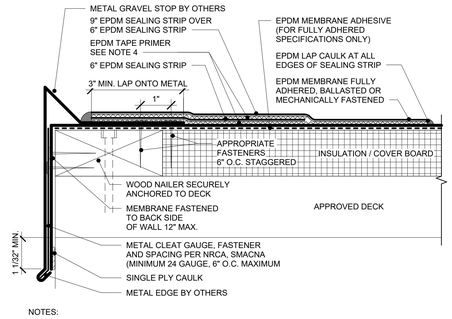
4. EPDM TAPE PRIMER MUST BE APPLIED ON ALL SURFACES COMING INTO CONTACT WITH EPDM PEEL & STICK PRODUCTS. ROLL MEMBRANE WITH HAND ROLLER UNDER PRESSURE AT SEAM.

12 FASCIA SYSTEM
A5.2 NTS



NOTES:
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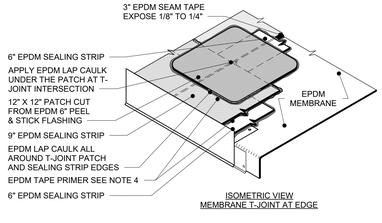
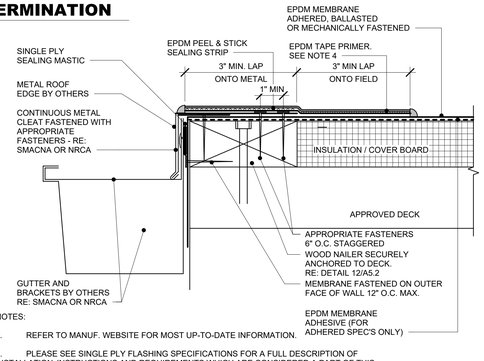
2. PLEASE SEE SINGLE PLY FLASHING SPECIFICATIONS FOR A FULL DESCRIPTION OF INSTALLATION INSTRUCTIONS AND REQUIREMENTS WHICH ARE CONSIDERED A PART OF THIS DETAIL.
3. ANY CARPENTRY OR METAL WORK SHOULD BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH LOCAL CODE REQUIREMENTS AND/OR PROJECT SPECIFICATIONS. THESE COMPONENTS SHOULD BE REVIEWED AND APPROVED BY A LICENSED DESIGN PROFESSIONAL.
4. MANUF. EPDM TAPE PRIMER MUST BE APPLIED ON ALL MANUF EPDM PEEL & STICK PRODUCTS. ROLL MEMBRANE WITH HAND ROLLER UNDER PRESSURE AT PEEL & STICK.

13 GRAVEL STOP W/ EPDM SEALING
A5.2 NTS





NOTES:
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2. PLEASE SEE SINGLE PLY FLASHING SPECIFICATIONS FOR A FULL DESCRIPTION OF INSTALLATION INSTRUCTIONS AND REQUIREMENTS WHICH ARE CONSIDERED A PART OF THIS DETAIL.
3. ANY CARPENTRY OR METAL WORK SHOULD BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH LOCAL CODE REQUIREMENTS AND/OR PROJECT SPECIFICATIONS. THESE COMPONENTS SHOULD BE REVIEWED AND APPROVED BY A LICENSED DESIGN PROFESSIONAL.
4. ALL SEALANTS / CAULKING SHALL BE PERIODICALLY INSPECTED AND MAINTAINED BY THE BUILDING OWNER THROUGHOUT THE LIFE OF THE ROOF.
5. TO ASSURE SURFACE MOUNTED TERMINATION PERFORM EFFECTIVELY, WATERPROOF AND MAINTAIN CONCRETE AND MASONRY SUBSTRATES.
6. MINIMUM FLASHING HEIGHT IS 8" ABOVE ROOF SURFACE.

14 GUTTER & METAL EDGE w/ EPDM SEALING STRIP
A5.2 NTS

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SEAL:

CONSULTANT:

RENOVATION TO
JACK WALKER CLUBHOUSE

BOYS & GIRLS CLUB
229 W LEMON ST, LANCASTER, PA 17603

ISSUE DATES	DESCRIPTION:
DATE: 10/01/2024	BID DOCUMENTS

PROJ # : 24-BGC-01 DRAWN BY : CJK

SHEET TITLE:

TYPICAL ROOF DETAILS

SHEET NUMBER:

A5.2

BID

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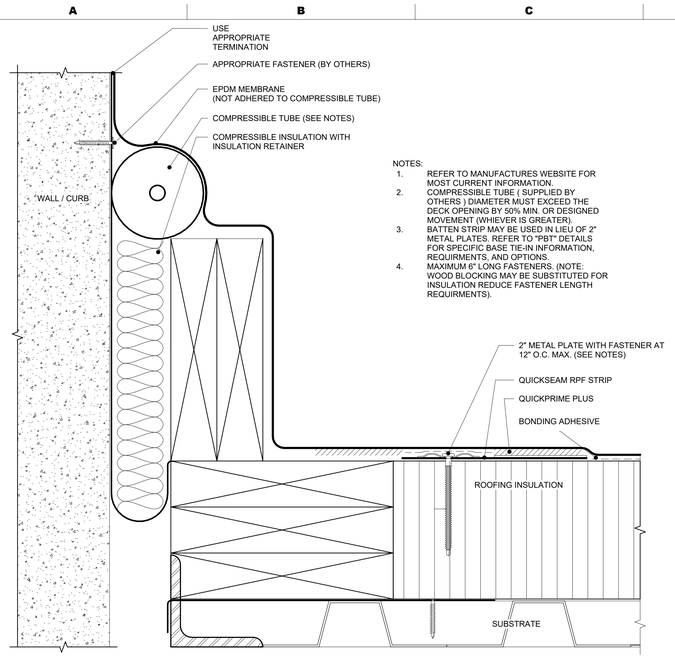
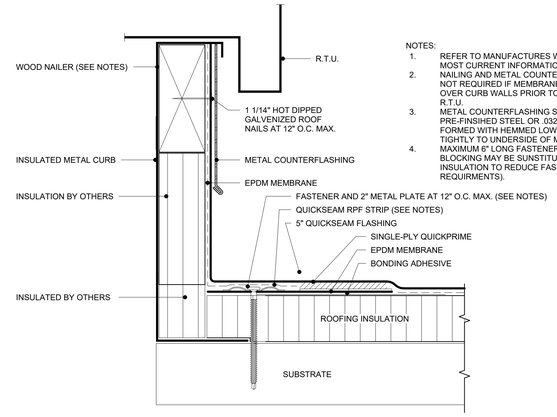


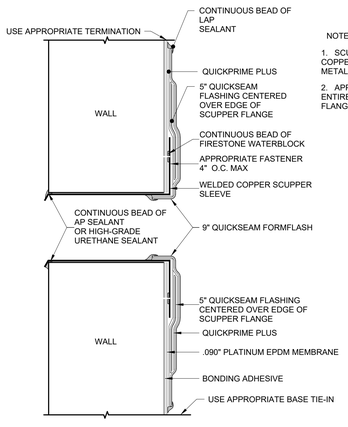
NOTES:
1. REFER TO MANUFACTURES WEBSITE FOR MOST CURRENT INFORMATION.
2. COMPRESSIBLE TUBE (SUPPLIED BY OTHERS) DIAMETER MUST EXCEED THE DECK OPENING BY 50% MIN. OR DESIGNED MOVEMENT (WHIEVER IS GREATER).
3. BATTEN STRIP MAY BE USED IN LIEU OF 2" METAL PLATES. REFER TO "PBT" DETAILS FOR SPECIFIC BASE TIE-IN INFORMATION, REQUIRMENTS, AND OPTIONS.
4. MAXIMUM 6" LONG FASTENERS. (NOTE: WOOD BLOCKING MAY BE SUBSTITUTED FOR INSULATION REDUCE FASTENER LENGTH REQUIRMENTS).

1 EXPANSION JOINT DETAIL ROOF TO WALL
A5.3 NTS



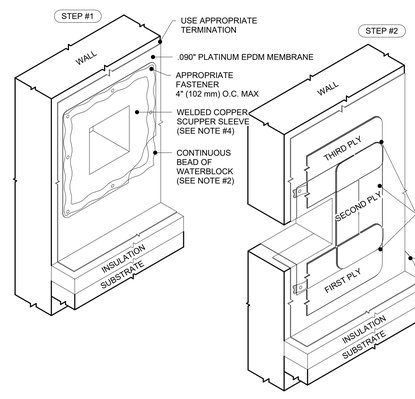
NOTES:
1. REFER TO MANUFACTURES WEBSITE FOR THE MOST CURRENT INFORMATION.
2. NAILING AND METAL COUNTERFLASHING ARE NOT REQUIRED IF MEMBRANE IS RUN UP AND OVER CURB WALLS PRIOR TO INSTALLATION OF R.T.U.
3. METAL COUNTERFLASHING SHALL BE 24 GAUGE PRE-FINSIHED STEEL OR .032" MIN. ALUMINUM FORMED WITH HEMMED LOWER EDGE MOUNTED TIGHTLY TO UNDERSIDE OF MECHANICAL UNIT.
4. MAXIMUM 6" LONG FASTENERS. (NOTE: WOOD BLOCKING MAY BE SUNSTITUTED FOR INSULATION TO REDUCE FASTENER LENGHT REQUIRMENTS).

2 CURB FLASHING DETAIL
A5.3 NTS



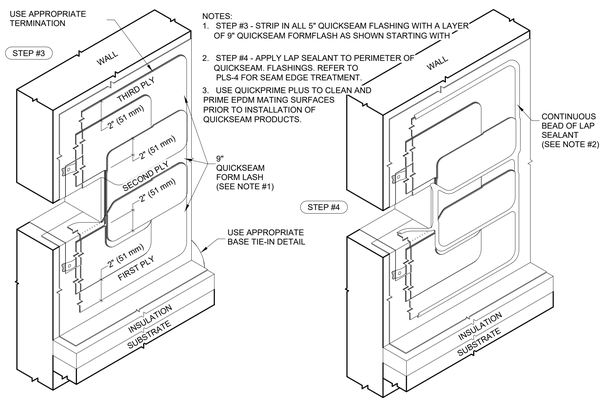
NOTES:
1. SCUPPER MUST BE WELDED COPPER SLEEVE. ROUNDALL SHEET METAL FLANGE CORNERS.
2. APPLY LAP SEALANT AROUND ENTIRE PERIMETER OF SHEET METAL FLANGE CORNERS.

3 OVERFLOW THRU-WALL SCUPPER (WELDED SLEEVE)
A5.3 NTS



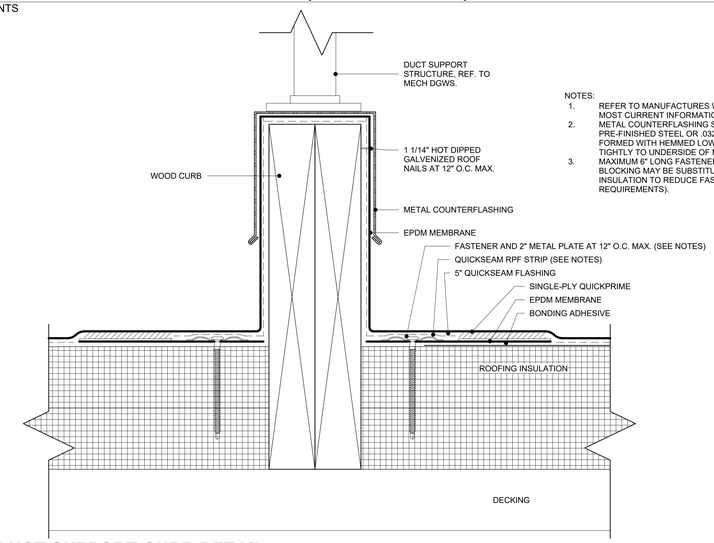
NOTES:
1. REFER TO MANUFACTURE'S WEBSITE FOR MOST CURRENT INFORMATION.
2. STEP #1 - APPLY CONTINUOUS BEAD OF FIRESTONE WATERBLOCK CENTERED UNDER NAILS. FASTEN COPPER SCUPPER WITH APPROPRIATE FASTENERS AND ROUND ALL CORNERS OF SCUPPER.
2. STEP #2 - STRIP IN ALL EXPOSED EDGES OF SCUPPER AS INDICATED WITH 5" QUICKSEAM FLASHING STARTING WITH SIDES OF SCUPPER.
3. USE QUICKPRIME PLUS TO CLEAN AND PRIME EPDM MATING SURFACES PRIOR TO INSTALLATION OF WITH 3" (76 mm) FLANGE.
4. SCUPPER MUST BE WELDED COPPER SLEEVE
5" QUICKSEAM FLASHING CENTERED OVER EDGE OF METAL FLANGE (SEE NOTE #3)
USE APPROPRIATE BASE TIE-IN DETAIL

4 OVERFLOW THRU-WALL SCUPPER (WELDED SLEEVE) INSTALLATION STEPS 1 & 2
A5.3 NTS



NOTES:
1. STEP #3 - STRIP IN ALL 5" QUICKSEAM FLASHING WITH A LAYER OF 9" QUICKSEAM FORMFLASH AS SHOWN STARTING WITH
2. STEP #4 - APPLY LAP SEALANT TO PERIMETER OF QUICKSEAM. FLASHINGS. REFER TO PLS-4 FOR SEAM EDGE TREATMENT.
3. USE QUICKPRIME PLUS TO CLEAN AND PRIME EPDM MATING SURFACES PRIOR TO INSTALLATION OF QUICKSEAM PRODUCTS.

5 OVERFLOW THRU-WALL SCUPPER (WELDED SLEEVE) INSTALLATION STEPS 3 & 4
A5.3 NTS



NOTES:
1. REFER TO MANUFACTURES WEBSITE FOR THE MOST CURRENT INFORMATION.
2. METAL COUNTERFLASHING SHALL BE 24 GAUGE PRE-FINISHED STEEL OR .032" MIN. ALUMINUM FORMED WITH HEMMED LOWER EDGE MOUNTED TIGHTLY TO UNDERSIDE OF MECHANICAL UNIT.
3. MAXIMUM 6" LONG FASTENERS. (NOTE: WOOD BLOCKING MAY BE SUBSTITUTED FOR INSULATION TO REDUCE FASTENER LENGTH REQUIREMENTS).

6 DUCT SUPPORT CURB DETAIL
A5.3 NTS

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CONSULTANT:

RENOVATION TO
JACK WALKER CLUBHOUSE
BOYS & GIRLS CLUB
229 W LEMON ST, LANCASTER, PA 17603

ISSUE DATES	DESCRIPTION:
DATE: 10/01/2024	BID DOCUMENTS

PROJ # : 24-BGC-01 DRAWN BY : CJK

SHEET TITLE:

TYPICAL ROOF DETAILS

SHEET NUMBER:

A5.3

BID

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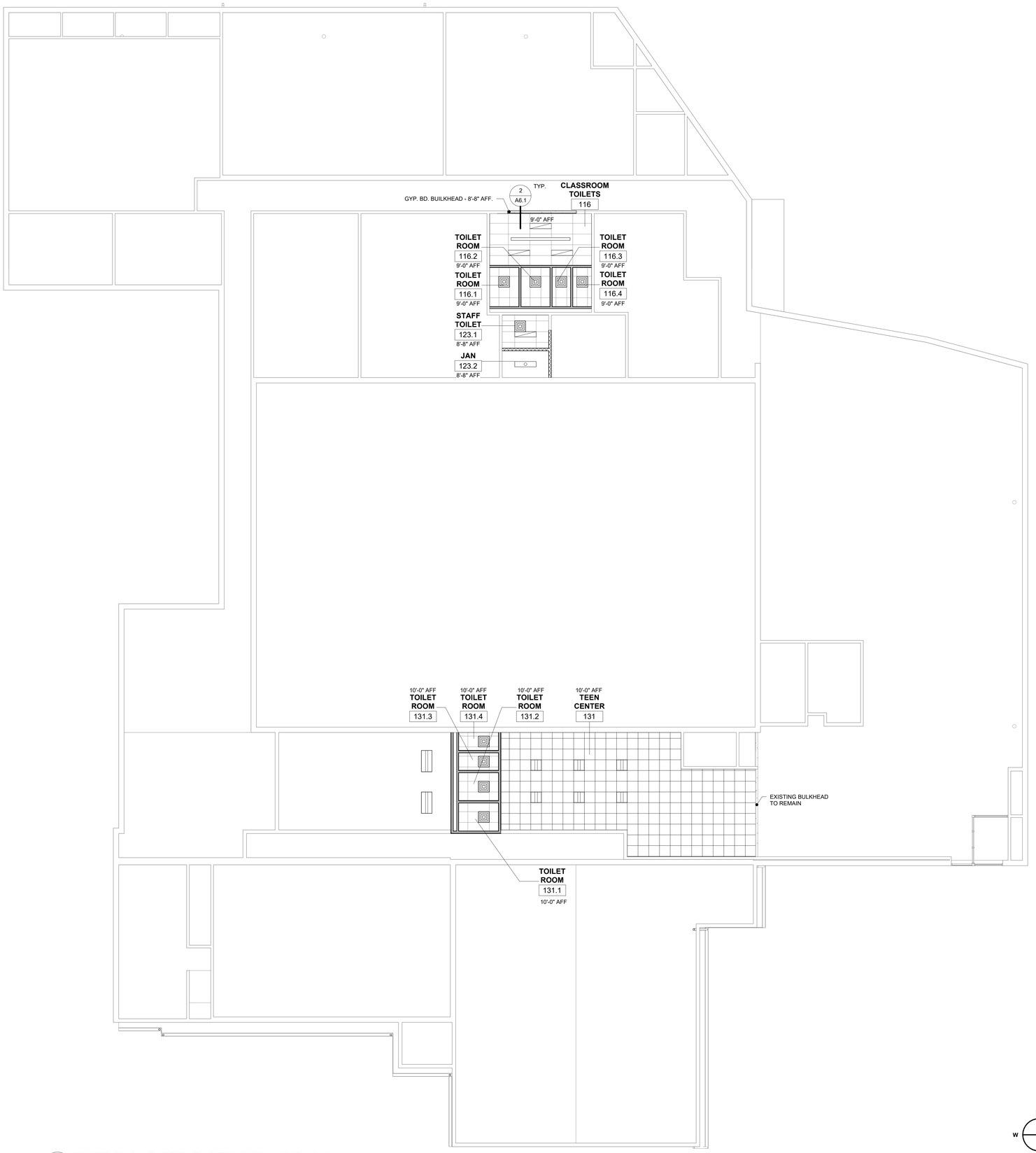


1 A6.1 **FIRST FLOOR REFLECTED CEILING PLAN**
1/8" = 1'-0"

GENERAL ACOUSTICAL CEILING INSTALLATION NOTES

1. THE CONTRACTOR SHALL FIELD CHECK THE PREMISES AND VERIFY THAT THE CEILING LAYOUT SHOWN ON THE DRAWINGS CAN BE ACCOMIDATED AND VERIFY ALL CLEARANCES AS REQUIRED FOR ALL LIGHTING FIXTURES, DUCT WORK, AND SPRINKLERS BEFORE PROCEEDING WITH ANY INSTALLATION. REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO PROCEEDING.
2. REVIEW CEILING LAYOUT WITH MEP COORDINATION DRAWINGS.
3. CEILING SHALL BE TRUE, FLAT, STRAIGHT AND REGULAR, PROVIDE STABILIZER BARS AS REQUIRED TO DISTRIBUTE LOAD EQUALLY OVER TWO OR MORE RUNNERS.
4. LEVEL CEILING TO BE WITHIN 1/8" IN 12 FEET IN ANY DIRECTION. LEVEL WITH HANGER WIRE TAUT AND PLUMB, WITHOUT KINKING OR BENDING HANGER WIRES.
5. INSTALL MAX. LENGTHS OF EDGE MOLDING AT INTERSECTION OF CEILING AND VERTICAL SURFACE. MITRE ALL CORNERS.
6. COORDINATE INSTALLATION WITH ELECTRICAL, MECHANICAL AND SPRINKLR REQUIREMENTS.
7. INSTALL CEILING TILE HOLD DOWN CLIPS IN ALL VESTIBULES, AIR LOCKS AND PARTITIONS WITH CUT CEILING TILES.
8. LAY DIRECTIONAL PATTERN UNITS IN SINGLE DIRECTION.
9. ALL FIXTURE TRIM (LIGHTING, SPEAKER, HVAC GRILLS, ETC.) SHALL BE METAL AND PAINTED TO MATCH ADJACENT CEILING FINISH. PLASTIC TRIM IS NOT ACCEPTABLE UNLESS APPROVED BY THE ARCHITECT.
10. REGULAR CEILING TILE TO BE CUT AND FITTED SNUG AGAINST PARTITIONS. DO NOT SHIM THE GRID TO ALLOW CEILING TILE TO PASS OVER TOP OF PARTITION.
11. FINAL GRID HEIGHTS AND LAY-OUT TO BE DETERMINED IN THE FIELD FOLLOWING COORDINATION.

GENERAL REFLECTED CEILING PLAN LEGEND AND NOTES:

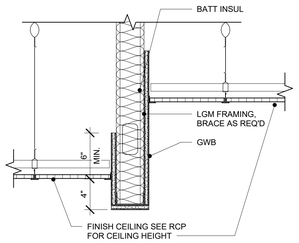
- INDICATES A LIGHTING FIXTURE, REFER TO ELECTRICAL DWGS.
- INDICATES A HVAC DIFFUSER, REFER TO MECHANICAL DWGS.
- INDICATES A EXHAUST FAN W/ LED LIGHT, REFER TO MEP DWGS.
- INDICATES CRITICAL ENVIRONMENT DIFFUSER, REFER TO MECHANICAL DWGS.
- INDICATES PYRAMID DIFFUSER, REFER TO FINISH SCHEDULE.
- INDICATES 2X4 A.C.T. CEILING, REFER TO FINISH SCHEDULE.
- INDICATES 2X2 A.C.T. CEILING, REFER TO FINISH SCHEDULE.
- INDICATES G.W.B. CEILING, REFER TO FINISH SCHEDULE.

NOTES:

1.) REFER TO FINISH SCHEDULE FOR CEILING MATERIALS.

2.) ALL EXPOSED STRUCTURE IS TO BE PAINTED - COLOR SELECTION BY ARCHITECT.

3.) ALL EXPOSED EQUIPMENT IS TO BE PAINTED - COLOR SELECTION BY ARCHITECT. EXPOSED MECHANICAL, ELECTRICAL, PLUMBING AND ARCHITECTURAL TO BE PAINTED.



2 A6.1 **TYPICAL BULKHEAD DETAIL**
1 1/2" = 1'-0"

N
TRUE NORTH
W
E
S
PLAN NORTH

0 8' 16' 24' 32'

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BOYS & GIRLS CLUB
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ISSUE DATES

DATE:	DESCRIPTION:
10/01/2024	BID DOCUMENTS

PROJ # : 24-BGC-01 DRAWN BY : SAB

SHEET TITLE:
FIRST FLOOR REFLECTED CEILING PLAN

SHEET NUMBER:
A6.1

BID

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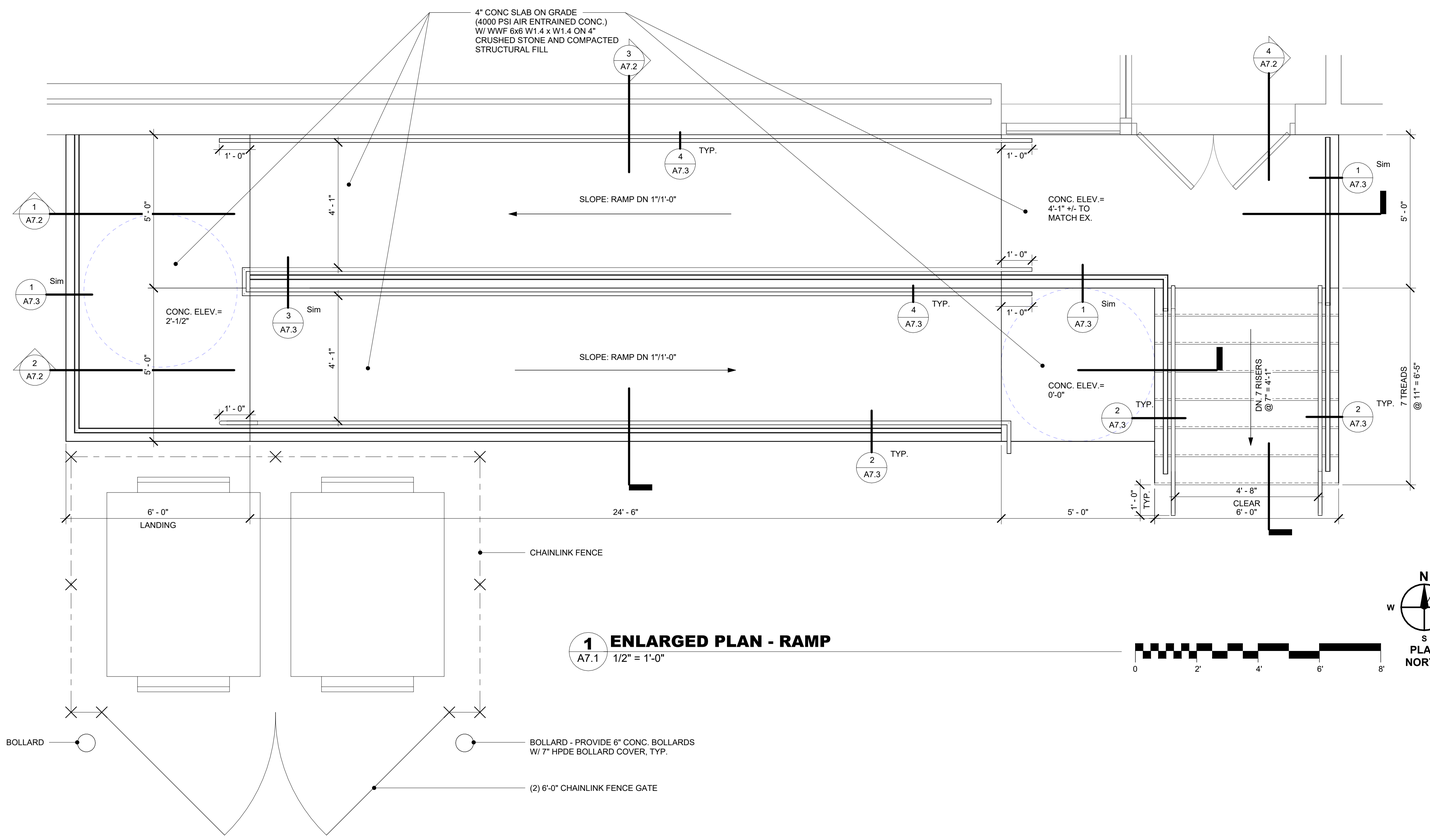
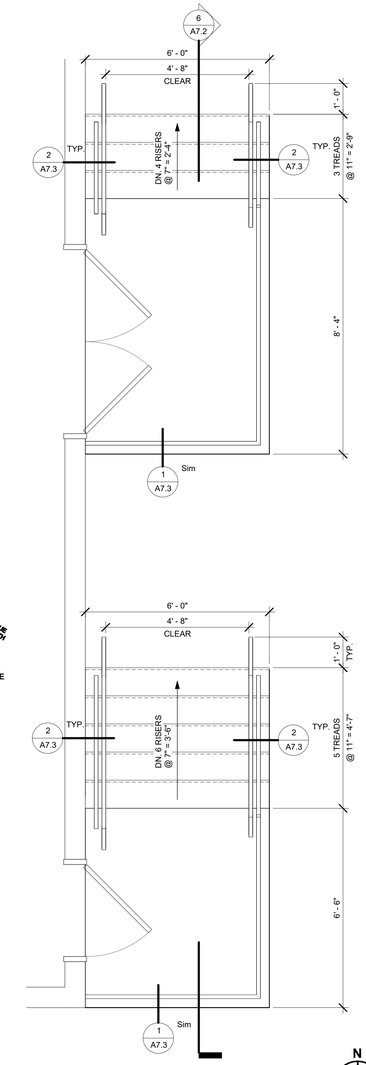
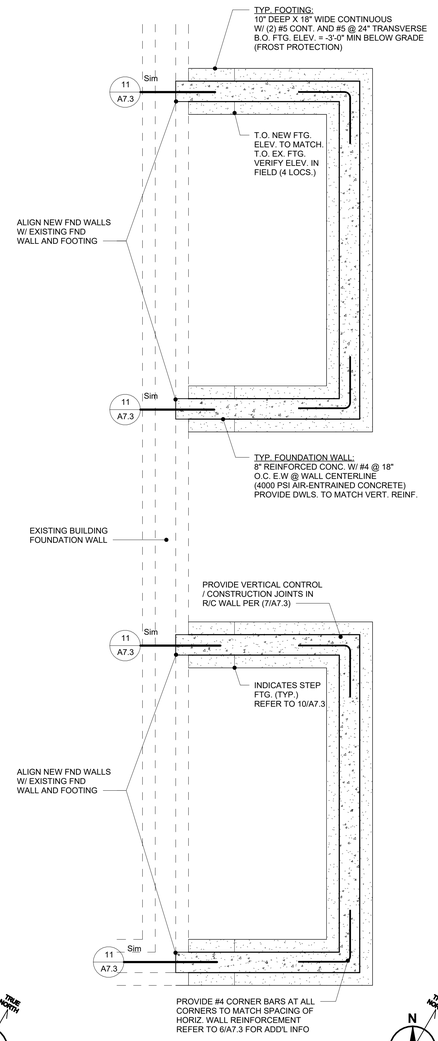


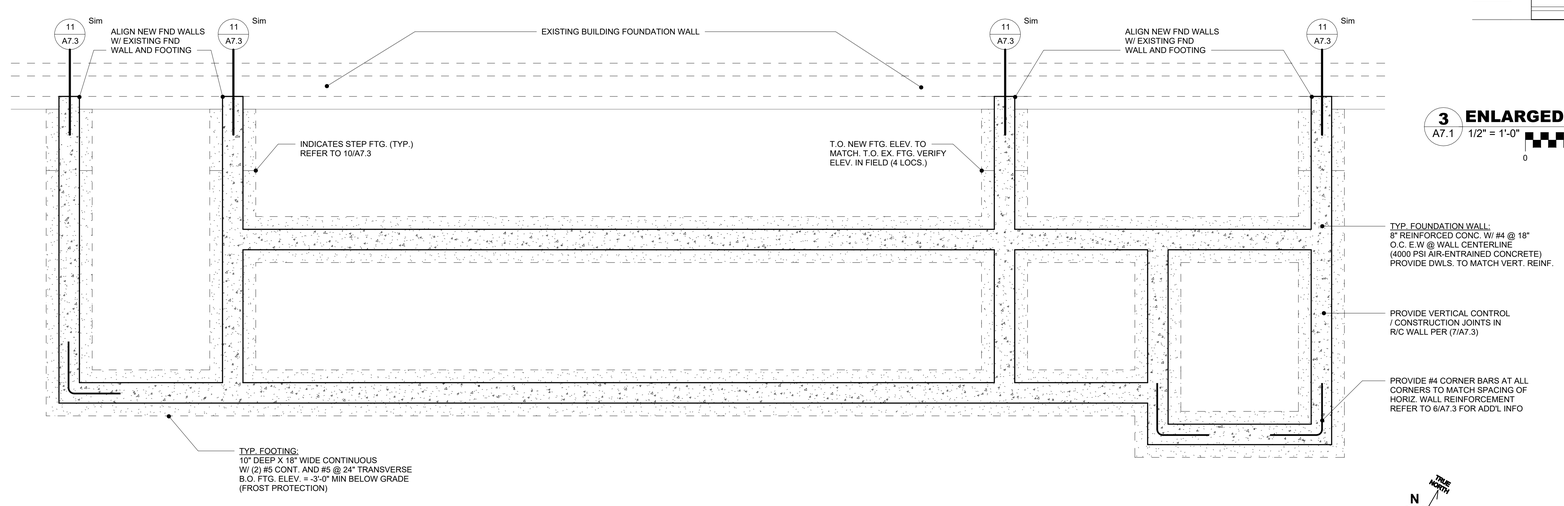
1 A7.1 **ENLARGED PLAN - RAMP**
1/2" = 1'-0"



3 A7.1 **ENLARGED PLAN - STAIRS**
1/2" = 1'-0"



4 A7.1 **STAIRS FOUNDATION PLAN**
1/2" = 1'-0"



2 A7.1 **RAMP FOUNDATION PLAN**
1/2" = 1'-0"

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229 W LEMON ST, LANCASTER, PA 17603

ISSUE DATES	DESCRIPTION:
DATE: 10/01/2024	BID DOCUMENTS

PROJ # : 24-BGC-01 DRAWN BY : SAB

SHEET TITLE:
RAMP AND STAIRS ENLARGED PLANS

SHEET NUMBER:
A7.1

BID

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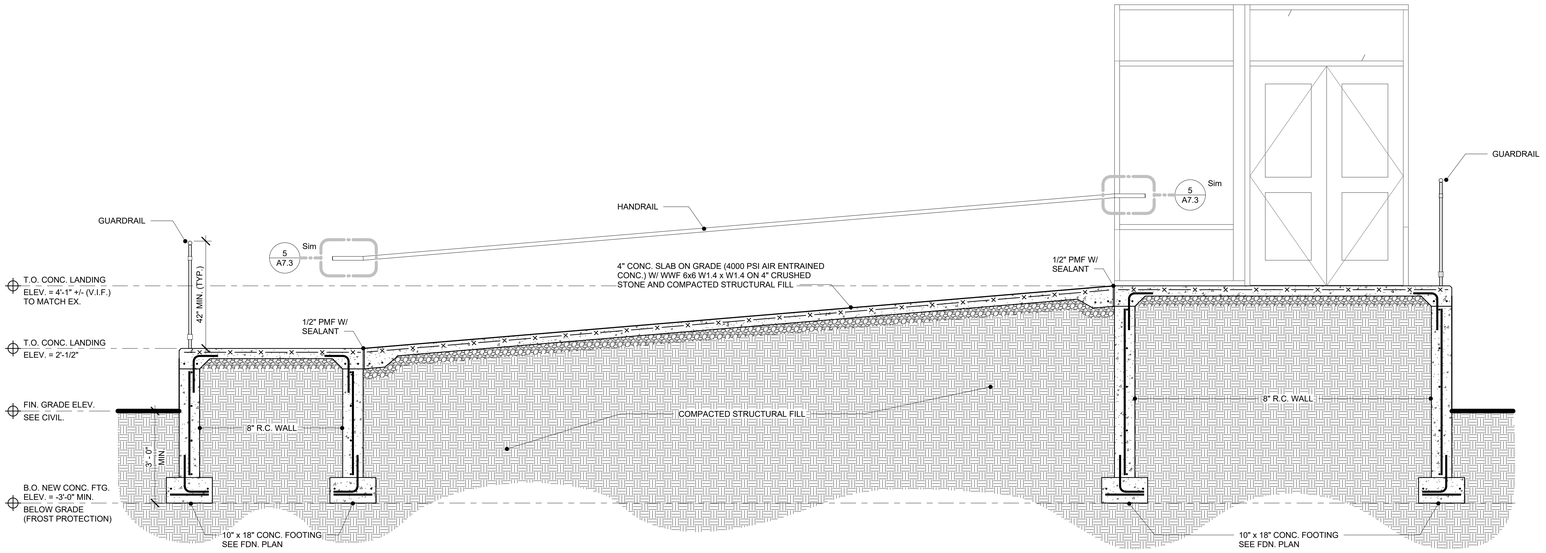
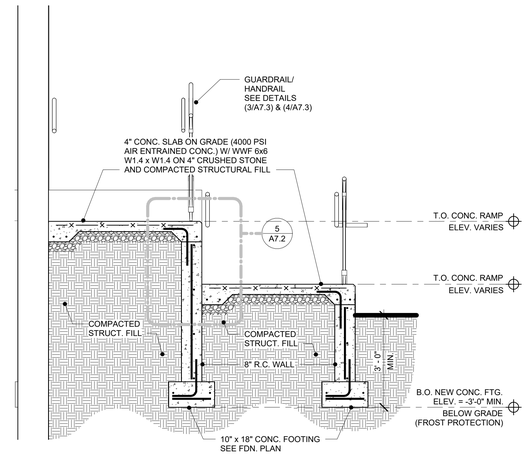
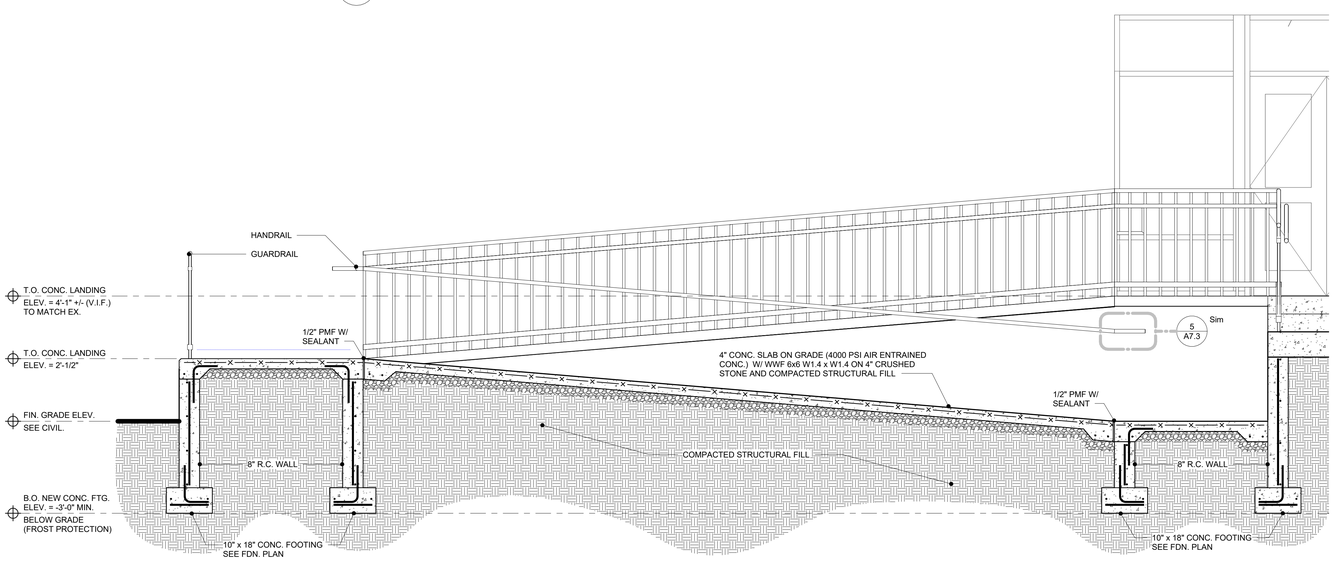


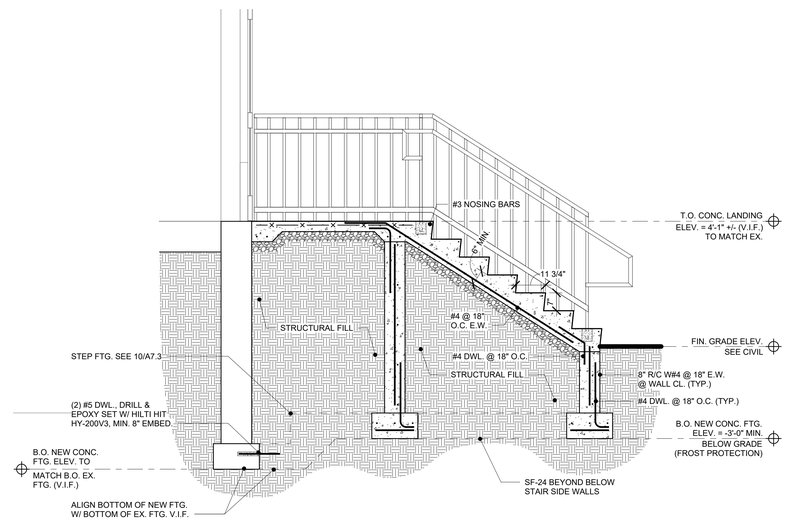
1 A7.2 **RAMP SECTION**
1/2" = 1'-0"



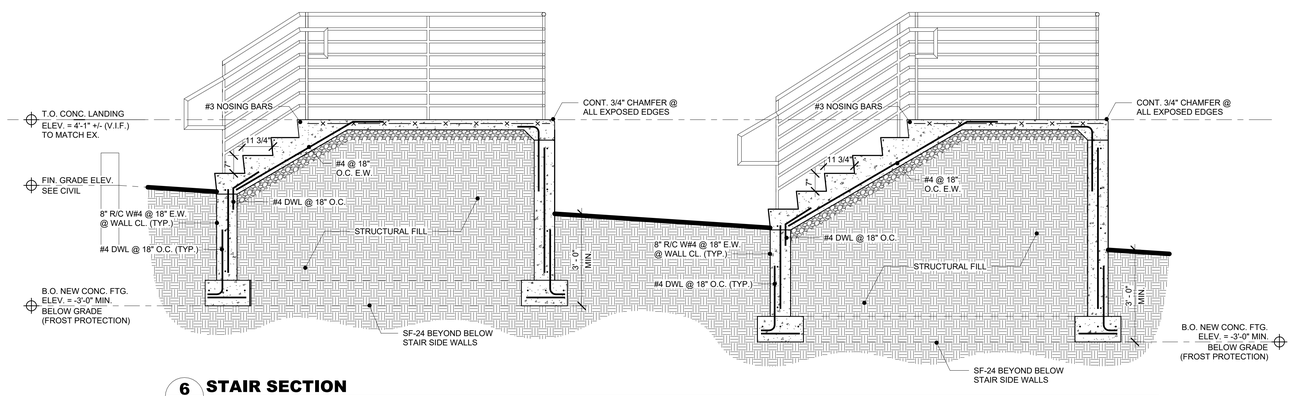
3 A7.2 **RAMP SECTION**
1/2" = 1'-0"



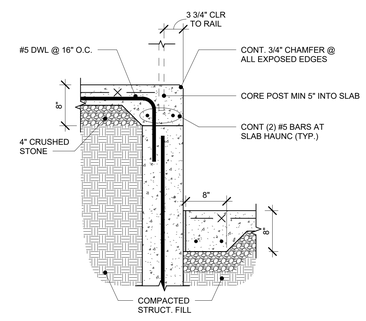
2 A7.2 **RAMP SECTION**
1/2" = 1'-0"



4 A7.2 **STAIR SECTION**
1/2" = 1'-0"



6 A7.2 **STAIR SECTION**
1/2" = 1'-0"



5 A7.2 **SECTION DETAIL**
1" = 1'-0"

10/1/2024 12:35:57 PM

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CONSULTANT:

RENOVATION TO
JACK WALKER CLUBHOUSE
BOYS & GIRLS CLUB
229 W LEMON ST, LANCASTER, PA 17603

ISSUE DATES

DATE:	DESCRIPTION:
10/01/2024	BID DOCUMENTS

PROJ # : 24-BGC-01 DRAWN BY : SAB

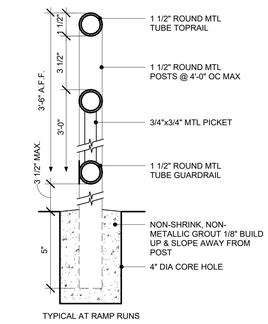
SHEET TITLE:

RAMP AND STAIRS SECTIONS

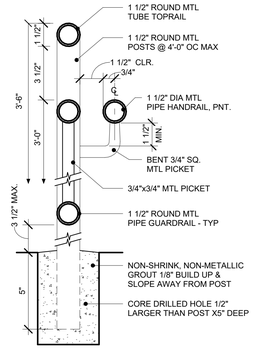
SHEET NUMBER:

A7.2

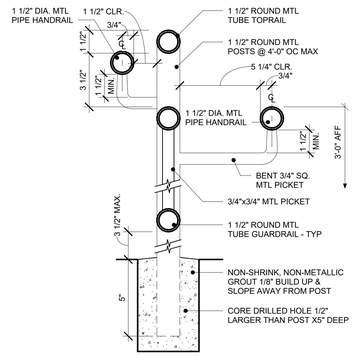
BID



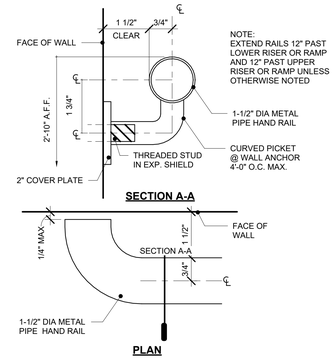
1 TYPICAL GUARDRAIL
A7.3 3" = 1'-0"



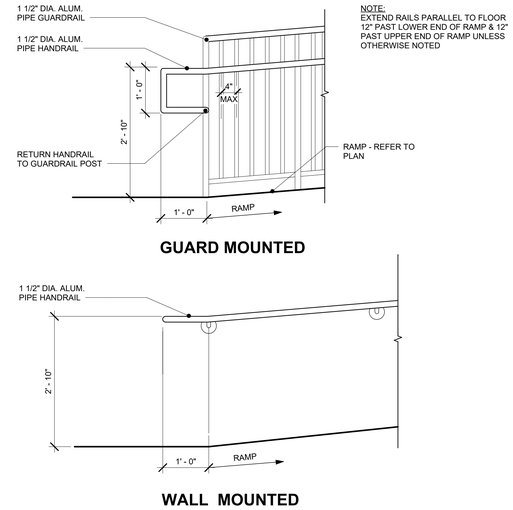
2 TYPICAL GUARD/ HANDRAIL
A7.3 3" = 1'-0"



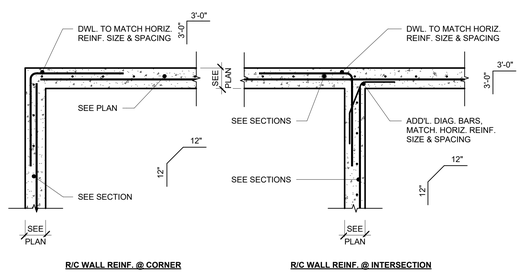
3 GUARDRAIL - HANDRAIL E/S
A7.3 3" = 1'-0"



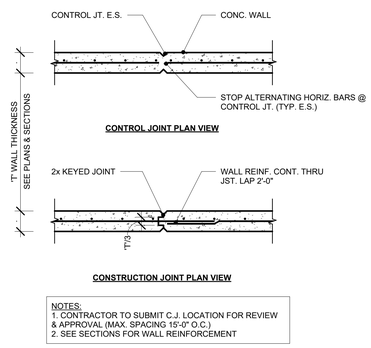
4 TYPICAL WALL MOUNTED HANDRAIL
A7.3 6" = 1'-0"



5 RAMP HANDRAIL EXTENSION DETAIL
A7.3 3/4" = 1'-0"

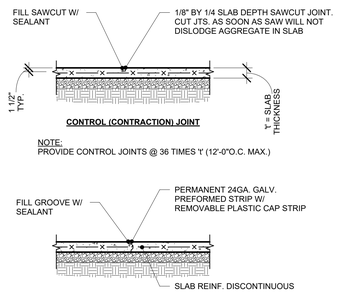


6 TYP. R/C WALL CORNER & INTERSECTION REINF.
A7.3 1/2" = 1'-0"



NOTES:
1. CONTRACTOR TO SUBMIT C.J. LOCATION FOR REVIEW & APPROVAL (MAX. SPACING 15'-0" O.C.)
2. SEE SECTIONS FOR WALL REINFORCEMENT

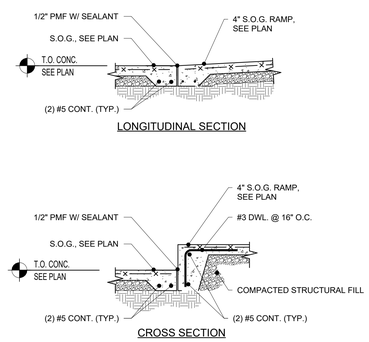
7 TYP. R/C WALL JOINTS
A7.3 1/2" = 1'-0"



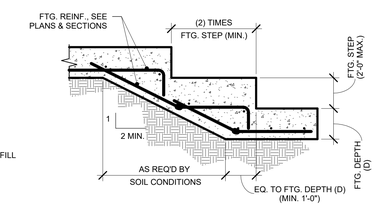
NOTE:
PROVIDE CONTROL JOINTS @ 36 TIMES 't' (12'-0"O.C. MAX.)

NOTE:
CONTRACTOR TO ADEQUATELY BRACE PREFORMED STRIP TO MAINTAIN STRAIGHT ALIGNMENT OF SCREED

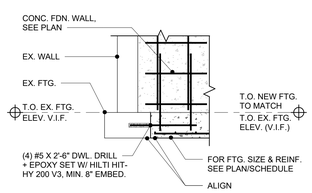
8 TYPICAL S.O.G. CONTROL & CONST. JOINTS
A7.3 1/2" = 1'-0"



9 TYP. R/C RAMP
A7.3 1/2" = 1'-0"



10 TYP. HALF STEP FOOTING
A7.3 1/2" = 1'-0"



11 TYP. FOOTING TO EX. FOOTING
A7.3 1/2" = 1'-0"

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CONSULTANT:

RENOVATION TO
JACK WALKER CLUBHOUSE
BOYS & GIRLS CLUB
229 W LEMON ST, LANCASTER, PA 17603

ISSUE DATES	DESCRIPTION:
DATE: 10/01/2024	BID DOCUMENTS

PROJ # : 24-BGC-01 DRAWN BY : SAB

SHEET TITLE:

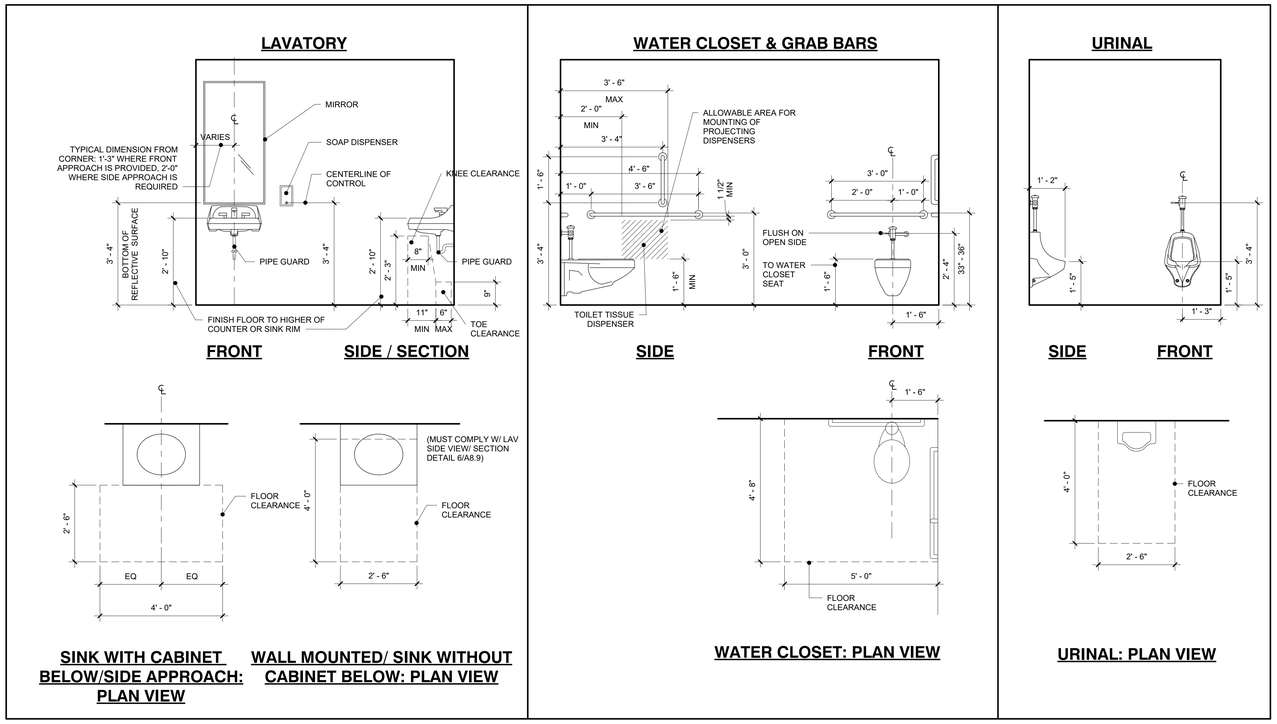
TYPICAL DETAILS

SHEET NUMBER:

A7.3

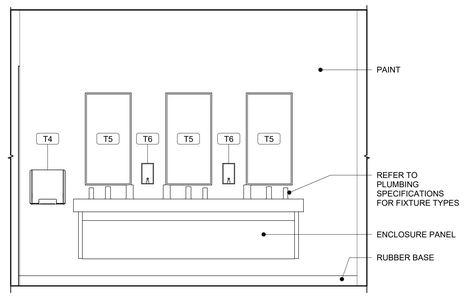
BID

10/1/2024 12:35:59 PM

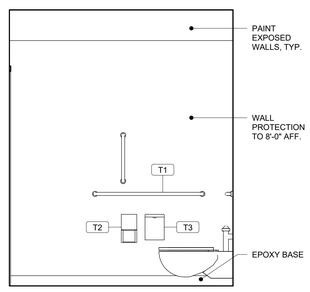


3 A8.1 **ACCESIBILITY DETAILS - ADULTS**
1/2" = 1'-0"

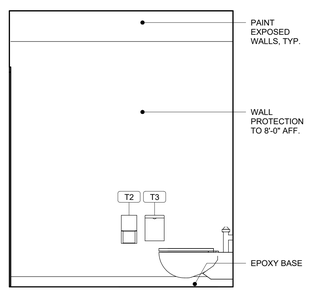
TOILET ACCESSORY SCHEDULE		
Type Mark	Description	Comments
T1	Grab Bar Set - Water Closet	
T2	Surface-Mounted Multi-Roll Toilet Tissue Dispenser	
T3	Surface-Mounted Sanitary Napkin Disposal	
T4	Automatic Surface Mounted ADA Hand Dryer	REINSTALL EXISTING
T5	Glass Mirror with Stainless Steel Angle Frame Bobrick B-290 Series	
T6	Surface Mounted Soap Dispenser, Bobrick - B2111	



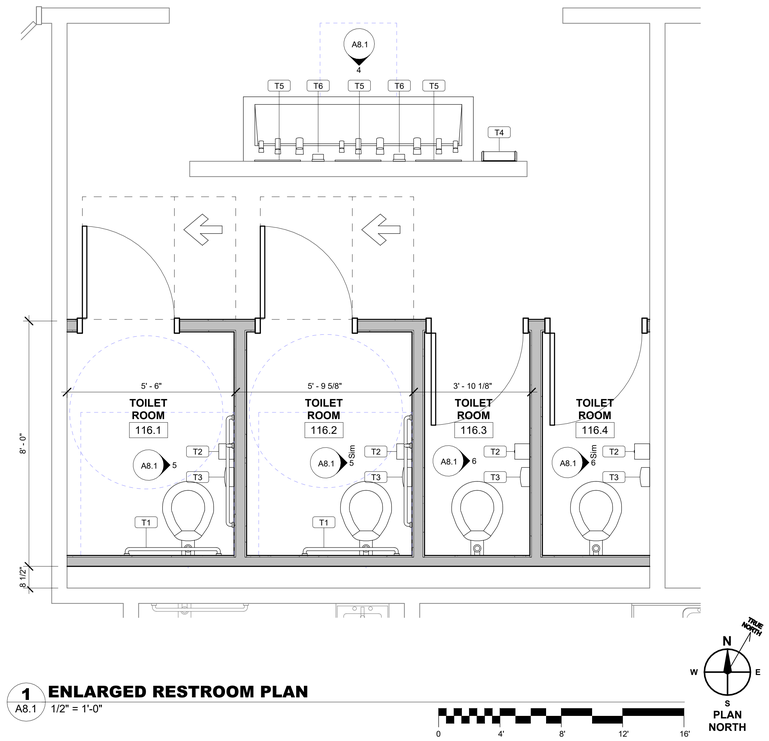
4 A8.1 **INTERIOR ELEVATION**
1/2" = 1'-0" **116 CLASSROOM TOILETS**



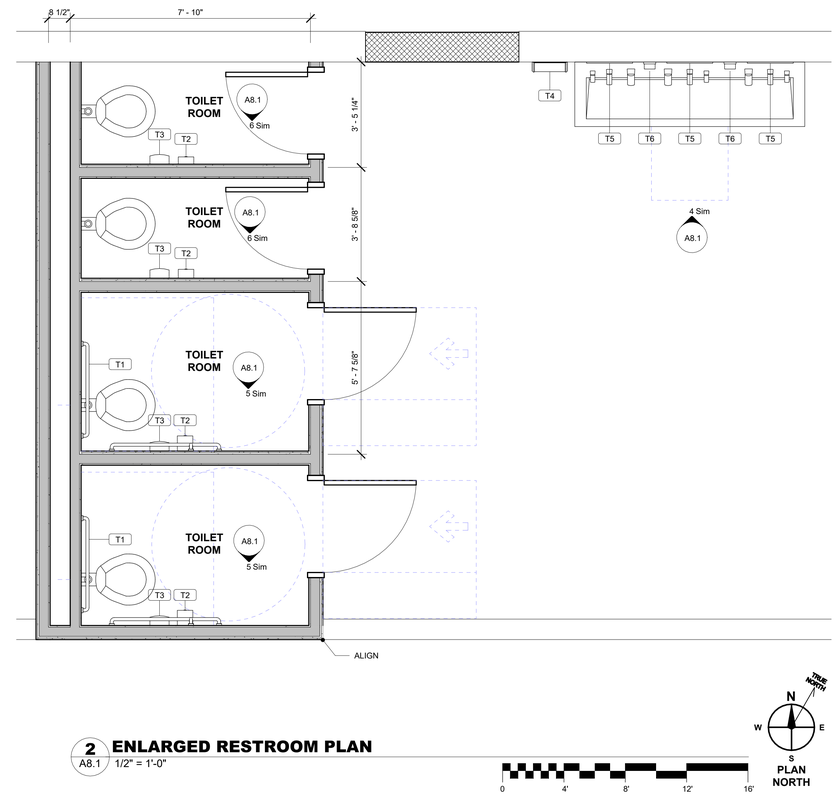
5 A8.1 **INTERIOR ELEVATION**
1/2" = 1'-0" **116.1 TOILET ROOM**



6 A8.1 **INTERIOR ELEVATION**
1/2" = 1'-0" **116.3 TOILET ROOM**



1 A8.1 **ENLARGED RESTROOM PLAN**
1/2" = 1'-0"



2 A8.1 **ENLARGED RESTROOM PLAN**
1/2" = 1'-0"

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CONSULTANT:

RENOVATION TO
JACK WALKER CLUBHOUSE
BOYS & GIRLS CLUB
229 W LEMON ST, LANCASTER, PA 17603

ISSUE DATES
DATE: 10/01/2024 DESCRIPTION: BID DOCUMENTS

PROJ # : 24-BGC-01 DRAWN BY : SAB

SHEET TITLE:
TOILET ROOM ENLARGED PLANS & INTERIOR ELEVATIONS

SHEET NUMBER:
A8.1

BID

10/1/2024 12:35:02 PM

DOOR SCHEDULE

DOOR NUMBER	Width	DOOR SIZE HEIGHT	DOOR TYPE	DOOR MATERIAL	FIRE RATING	FRAME FRAME TYPE	FRAME MATERIAL	FRAME HEAD	FRAME JAMB	COMMENTS
Level 1										
116.1	3' - 0"	7' - 0"	F	HM	-	HM1	HM	1/A9.1	2/A9.1	
116.2	3' - 0"	7' - 0"	F	HM	-	HM1	HM	1/A9.1	2/A9.1	
116.3	3' - 0"	7' - 0"	F	HM	-	HM1	HM	1/A9.1	2/A9.1	
116.4	3' - 0"	7' - 0"	F	HM	-	HM1	HM	1/A9.1	2/A9.1	
123.1	3' - 0"	7' - 0"	F	HM	-	HM1	HM	1/A9.1	2/A9.1	
123.2	3' - 0"	7' - 0"	F	HM	-	HM1	HM	1/A9.1	2/A9.1	
131.1	3' - 0"	7' - 0"	F	HM	-	HM1	HM	1/A9.1	2/A9.1	
131.2	3' - 0"	7' - 0"	F	HM	-	HM1	HM	1/A9.1	2/A9.1	
131.3	2' - 8"	7' - 0"	F	HM	-	HM1	HM	1/A9.1	2/A9.1	
131.4	2' - 8"	7' - 0"	F	HM	-	HM1	HM	1/A9.1	2/A9.1	

WINDOW SCHEDULE - INTERIOR

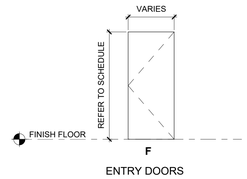
Type Mark	Operation	Type Comments	Height	Width	Sill Height	Details	Comments
W1	FIXED	HM FRAME	4' - 0"	6' - 0"	3' - 4"	3,4,5	

LEGEND

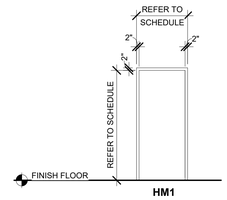
GL. GLASS PANEL
M.O. MASONRY OPENING

GENERAL DOOR AND FRAME NOTES

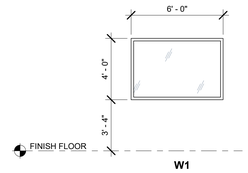
1. ALL DOORS LOCATED AT CORNERS IN STUD WALLS SHALL BE LOCATED 4" FROM ADJACENT PERPENDICULAR WALL TO OUTSIDE OF FRAME UNLESS DIMENSIONED OTHERWISE
2. UNDERCUT DOORS AS REQUIRED TO OPERATE SMOOTHLY OVER FINISHED FLOOR. MAXIMUM UNDERCUT SHALL BE 3/4", UNLESS NOTED OTHERWISE FINISH BOTTOM OF DOORS AFTER UNDERCUTTING.



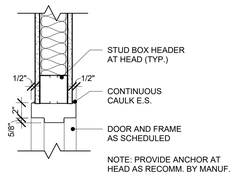
DOOR TYPES



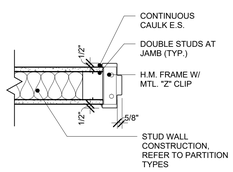
HOLLOW METAL FRAME TYPES



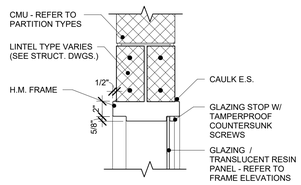
WINDOW TYPES - INTERIOR



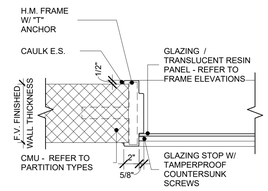
1 HEAD DETAIL
A9.1 1 1/2" = 1'-0"



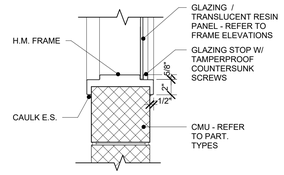
2 JAMB DETAIL
A9.1 1 1/2" = 1'-0"



3 INTERIOR WINDOW HEAD
A9.1 1 1/2" = 1'-0"



4 INTERIOR WINDOW JAMB
A9.1 1 1/2" = 1'-0"



5 INTERIOR WINDOW SILL
A9.1 1 1/2" = 1'-0"

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RENOVATION TO
JACK WALKER CLUBHOUSE
BOYS & GIRLS CLUB
229 W LEMON ST, LANCASTER, PA 17603

ISSUE DATES

DATE:	DESCRIPTION:
10/01/2024	BID DOCUMENTS

PROJ # : 24-BGC-01 DRAWN BY : DRW

SHEET TITLE:
DOOR & WINDOW SCHEDULE, TYPES, & DETAILS

SHEET NUMBER:
A9.1

BID

10/1/2024 12:36:04 PM

ROOM FINISH SCHEDULE

NUMBER	NAME	FLOOR FINISH	SUB-FLR	BASE	WALL FINISH N	WALL FINISH E	WALL FINISH S	WALL FINISH W	Ceiling Finish	COMMENTS
106	TRAINING KITCHEN	EXIST	CONCRETE	EXIST	PNT	---	---	---	---	PAINT AS REQUIRED AT DEMOLITION/ NEW CONTRUCTION. PAINT TO MATCH EXISTING.
107	GYMNASIUM	EXIST	CONCRETE	EXIST	---	---	PNT	---	---	PAINT AS REQUIRED AT DEMOLITION/ NEW CONTRUCTION. PAINT TO MATCH EXISTING.
108	PERFORMING ARTS	LVT-1	CONCRETE	RB	---	---	---	---	---	
109	TV STUDIO	---	---	---	---	---	---	---	---	NO WORK
110	TV EDITING	---	---	---	---	---	---	---	---	NO WORK
111	OFFICE	LVT-1	CONCRETE	RB	---	---	---	---	---	
112	CLASSROOM	LVT-1	CONCRETE	RB	---	---	---	---	---	
113	CLASSROOM	LVT-1	CONCRETE	RB	PNT	---	PNT	---	---	PAINT AS REQUIRED AT DEMOLITION/ NEW CONTRUCTION. PAINT TO MATCH EXISTING.
114	ARTS & CRAFTS	LVT-1	CONCRETE	RB	---	---	PNT	---	---	PAINT AS REQUIRED AT DEMOLITION/ NEW CONTRUCTION. PAINT TO MATCH EXISTING.
115	COMPUTER CENTER	LVT-1	CONCRETE	RB	---	---	---	PNT	---	PAINT AS REQUIRED AT DEMOLITION/ NEW CONTRUCTION. PAINT TO MATCH EXISTING.
116	CLASSROOM TOILETS	EPX	CONCRETE	EPX/RB	PNT	PNT	WP/ PNT	PNT	ACT	WP PROVIDED AT NEW GWB PARTITION
116.1	TOILET ROOM	EPX	CONCRETE	EPX	WP/ PNT	WP/ PNT	WP/ PNT	PNT	ACT	
116.2	TOILET ROOM	EPX	CONCRETE	EPX	WP/ PNT	WP/ PNT	WP/ PNT	WP/ PNT	ACT	
116.3	TOILET ROOM	EPX	CONCRETE	EPX	WP/ PNT	WP/ PNT	WP/ PNT	WP/ PNT	ACT	
116.4	TOILET ROOM	EPX	CONCRETE	EPX	WP/ PNT	WP/ PNT	WP/ PNT	WP/ PNT	ACT	
119	OFFICE	---	---	---	---	---	---	---	---	NO WORK
120	STOR.	---	---	---	---	---	---	---	---	NO WORK
121	STOR.	---	---	---	---	---	---	---	---	NO WORK
122	MAIN OFFICE	LVT-1	CONCRETE	RB	---	---	---	---	---	
123	BREAK	LVT-1	CONCRETE	RB	---	---	---	PNT	---	PAINT AS REQUIRED AT DEMOLITION/ NEW CONTRUCTION. PAINT TO MATCH EXISTING.
123.1	STAFF TOILET	EXIST	CONCRETE	EXIST/ RB	PNT	PNT	PNT	PNT	ACT	RB AT NEW WALL
123.2	JAN	EXIST	CONCRETE	EXIST/ RB	PNT	PNT	PNT	PNT	---	RB AT NEW WALL
125	GAME/ COMMUNITY ROOM	LVT-1 THRU LVT-6	CONCRETE	RB	---	---	---	---	---	
126	MECH	---	---	---	---	---	---	---	---	NO WORK
128	BUCKS STORE	---	---	---	---	---	---	---	---	NO WORK
131	TEEN CENTER	LVT-1 THRU LVT-6	CONCRETE	RB	PNT-3	---	PN-3	PNT-1	ACT	PAINT AS REQUIRED AT DEMOLITION/ NEW CONTRUCTION. PAINT TO MATCH EXISTING.
131.1	TOILET ROOM	EPX	CONCRETE	EPX	WP/ PNT	WP/ PNT	WP/ PNT	WP/ PNT	ACT	
131.2	TOILET ROOM	EPX	CONCRETE	EPX	WP/ PNT	WP/ PNT	WP/ PNT	WP/ PNT	ACT	
131.3	TOILET ROOM	EPX	CONCRETE	EPX	WP/ PNT	WP/ PNT	WP/ PNT	WP/ PNT	ACT	
131.4	TOILET ROOM	EPX	CONCRETE	EPX	WP/ PNT	WP/ PNT	WP/ PNT	WP/ PNT	ACT	
132	RAMP	LVT-2	CONCRETE	RB	PNT	---	---	PNT	---	PAINT AS REQUIRED AT DEMOLITION/ NEW CONTRUCTION. PAINT TO MATCH EXISTING. PAINT BOTH SIDES OF WALL & DOOR FRAME AT NEW DOOR LOCATION.

GENERAL FINISH NOTES

1. CONTRACTOR SHALL FLASH AT DOORS TO ALLOW FOR A LEVEL FLOOR FINISH BETWEEN FLOOR FINISHES.

2. ALL FINISH COLORS TO BE CONFIRMED DURING THE SUBMITTAL PROCESS.

3. ALL PAINT COLORS ARE PLACE-HOLDERS. EXACT COLOR SELECTIONS WILL BE CONFIRMED DURING THE SUBMITTAL PROCESS WITH DRAWDOWNS.

4. CONCRETE SLAB IS TO SLOPE TO FLOOR DRAIN AT 1/8" / FT IN LOCATIONS AS SHOWN.

5. ALL TOILET ROOM WALLS ARE TO RECEIVE ACROVYN WALL PROTECTION PANELS UNO.

6. SUBMIT SAMPLES OF ALL SPECIFIED FINISHES AND COLORS FOR ARCHITECT'S APPROVAL PRIOR TO EXECUTION OF WORK.

7. ARCHITECT SHALL INTERPRET THE AESTHETIC MATCH OF THE CONTROL SAMPLES THEY POSSESS, AND THEIR ACCEPTANCE OR REJECTION OF THE SAMPLES OFFERED IS FINAL.

8. STARTING OF FINISH WORK SHALL INDICATE APPLICATOR'S ACCEPTANCE OF SUBSTRATE.

9. ENSURE ALL SURFACES TO RECEIVE FINISH ARE CLEAN, TRUE AND FREE OF IRREGULARITIES. DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

10. CONCRETE SLAB TO BE FLASH PATCHED AS REQUIRED TO RECEIVE NEW FLOOR FINISH.

11. UPON RECEIPT FROM MANUFACTURER, THE INSTALLER SHALL INSPECT ALL MATERIAL FOR DEFECTS, SHIPPING DAMAGE, FLAWS, CORRECT COLOR AND PATTERN. DAMAGED OR INCORRECT MATERIALS SHALL BE SENT BACK TO THE MANUFACTURER FOR IMMEDIATE REPLACEMENT.

12. WHERE TWO FLOOR FINISHES MEET AT A DOORWAY, THE TRANSITION MUST OCCUR ON THE CENTERLINE OF THE DOOR IN ITS CLOSED POSITION.

13. EXTEND FLOOR FINISH UNDER OPEN-BOTTOM AND RAISED BOTTOM OBSTRUCTIONS. EXTEND FINISH INTO CLOSETS AND ALCOVE AREAS AS INDICATED, UNLESS ANOTHER FINISH IS INDICATED FOR THAT AREA.

14. APPLY RUBBER BASE WHERE SCHEDULED TO WALLS, COLUMNS AND OTHER PERMANENT FIXTURES IN ROOMS OR AREAS WHERE SPECIFIED. TYPICAL THROUGHOUT, NEW CMU & GYPSUM WALLS SHALL RECEIVE NEW RUBBER BASE (UON). INSTALL BASE IN AS LONG LENGTHS AS PRACTICAL. TIGHTLY BOND TO BACKING THROUGHOUT THE LENGTH AND HEIGHT OF EACH PIECE, WITH CONTINUOUS CONTACT AT VERTICAL AND HORIZONTAL SURFACES. RUBBER CORNERS TO BE PRE-MOLDED. TYPICAL THROUGHOUT

15. PRIOR TO OCCUPANCY, THE CONTRACTOR SHALL CLEAN ALL FINISHES OF DUST, DEBRIS, LOOSE CONSTRUCTION MATERIALS & EQUIPMENT.

16. MAINTENANCE MATERIALS: DELIVER USEABLE SCRAPS OF CARPET, VINYL TILE, AND OTHER FINISH MATERIALS TO OWNER'S DESIGNATED STORAGE SPACE, PROPERLY PACKAGED (PAPER WRAPPED) AND IDENTIFIED.

17. TYPICAL THROUGHOUT - HOLLOW METAL FRAMES TO BE PAINTED PNT-4.

PAINT

1. ALL PAINT TO BE APPLIED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS. SAND LIGHTLY BETWEEN COATS TO ACHIEVE REQUIRED FINISH. ALLOW EACH COAT OF FINISH TO DRY BEFORE THE FOLLOWING COAT IS APPLIED, UNLESS DIRECTED OTHERWISE BY MANUFACTURER. FILL KNICKS, GOUGES AND OTHER IMPERFECTIONS OF SURFACES WITH LATEX FILLER AND SAND SMOOTH UNTIL FLUSH WITH SURFACE.

2. MATERIALS TO ARRIVE AT JOBSITE IN ORIGINAL, NEW, UNOPENED CONTAINERS BEARING THE MANUFACTURER'S NAME, TRADE NAME AND LABEL ANALYSES. STORE ON SITE IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

3. ALL PAINTING TO BE DONE UNDER FINAL LIGHTING CONDITIONS.

4. FINISHED PAINTED SURFACES SHALL BE OF UNIFORM COLOR, APPEARANCE AND FINISH WITHOUT DRIPS, RUNS OR SMUDGES.

5. WHERE GRILLES OR DIFFUSERS OCCUR IN CEILING OR WALL, CONFIRM WITH PROFESSIONAL PRIOR TO PAINTING TO MATCH EXISTING ADJACENT SURFACES.

6. REMOVE OR OTHERWISE PROTECT FINISH HARDWARE, ACCESSORIES, PLATES, LIGHTING FIXTURES AND SIMILAR ITEMS BEFORE PAINTING.

7. DO NOT PAINT ANY MOVING PARTS OR OPERATION UNITS, CODE-REQUIRED LABELS AND EQUIPMENT IDENTIFICATIONS.

8. PAINT AREAS BEHIND MOVEABLE SURFACE (E.G. INSIDE CABINETS AND BACKS OF ACCESS PANELS). COORDINATE WITH ARCHITECT PRIOR TO START OF WORK.

9. REPAINT OR REFINISH PAINTED SURFACES DAMAGED BY SUBSEQUENT WORK.

FINISH LEGEND

FLOOR FINISHES

LVT-1
MANNINGTON COMMERCIAL ANCHOR COLLECTION; COLOR #1 SELECTED FROM MANUFACTURER'S FULL RANGE.

LVT-2
MANNINGTON COMMERCIAL ANCHOR COLLECTION; COLOR #2 SELECTED FROM MANUFACTURER'S FULL RANGE

LVT-3
MANNINGTON COMMERCIAL ANCHOR COLLECTION; COLOR #3 SELECTED FROM MANUFACTURER'S FULL RANGE

LVT-4
MANNINGTON COMMERCIAL ANCHOR COLLECTION; COLOR #4 SELECTED FROM MANUFACTURER'S FULL RANGE

LVT-5
MANNINGTON COMMERCIAL ANCHOR COLLECTION; COLOR #5 SELECTED FROM MANUFACTURER'S FULL RANGE

LVT-6
MANNINGTON COMMERCIAL ANCHOR COLLECTION; COLOR #6 SELECTED FROM MANUFACTURER'S FULL RANGE

EPX
DUREX DYMAFLAKE, COLOR: TBD

EXIST
EXISTING FLOORING TO REMAIN

WALL FINISHES

WP
WALL PROTECTION PANELS, ACROVYN SELECTED FROM MANUFACTURER'S FULL RANGE

BASE FINISHES

RB
TARKETT JOHNSONITE 4" RUBBER COVE BASE; COLORS 1-4 TBD

EPX
EPOXY BASE

CEILING FINISHES

ACT
ACOUSTIC CEILING TILE; REFER TO SPECIFICATION FOR PRODUCT TYPES AND SPECIFIC LOCATIONS.

PAINT

PNT-1
COLOR TO MATCH EXISTING WALL PAINT

PNT-2
SHERWIN WILLIAMS, WALL PAINT.
COLOR: TBD

PNT-3
SHERWIN WILLIAMS, ACCENT WALL PAINT.
COLOR: TBD

PNT-4
SHERWIN WILLIAMS, TRIM PAINT
COLOR: TBD

MAROTTA/MAIN ARCHITECTS
WWW.MAROTTAMAIN.COM

SEAL:
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CONSULTANT:

RENOVATION TO
JACK WALKER CLUBHOUSE
BOYS & GIRLS CLUB
229 W LEMON ST, LANCASTER, PA 17603

ISSUE DATES

DATE:	DESCRIPTION:
10/01/2024	BID DOCUMENTS

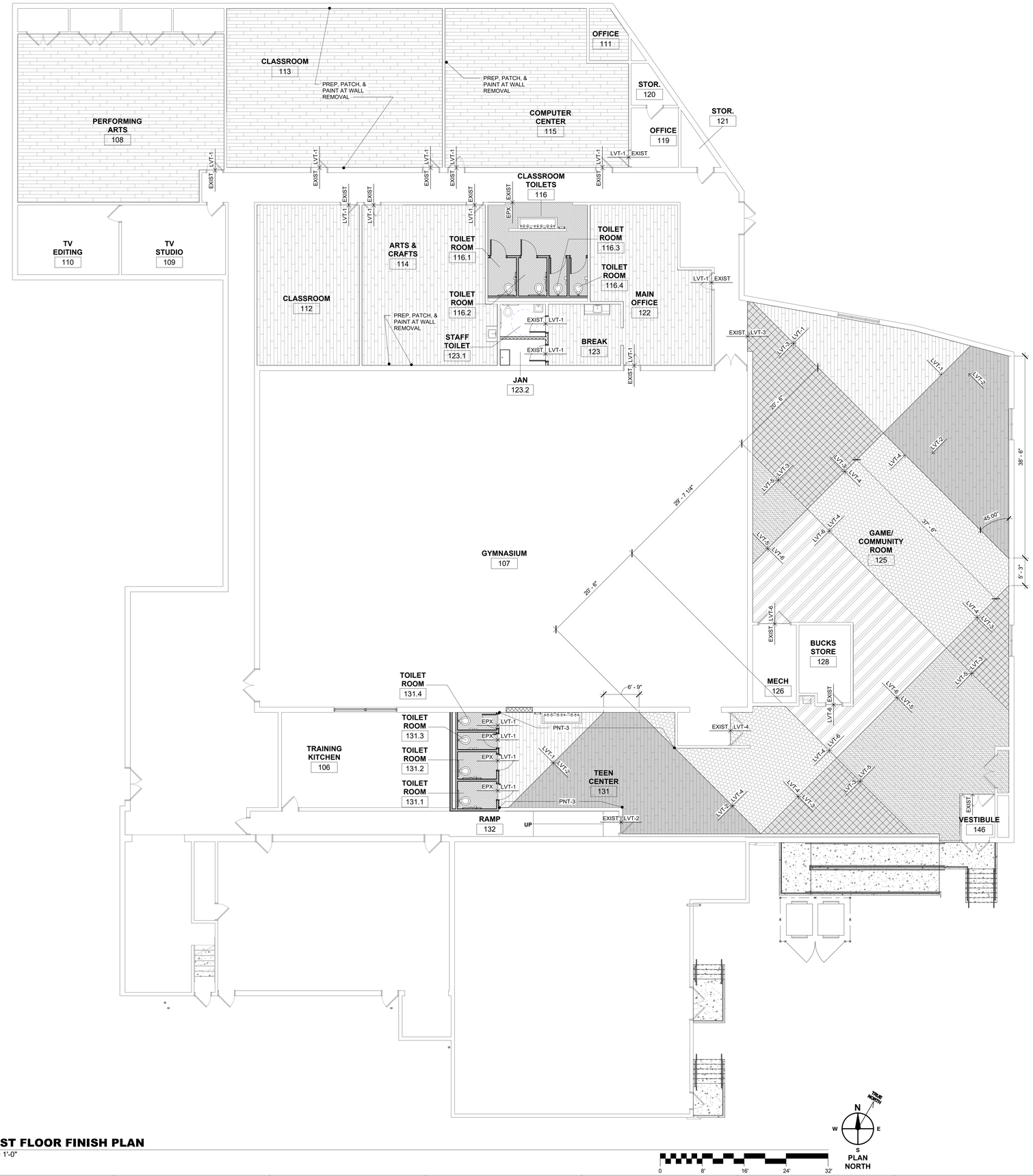
PROJ # : 24-BGC-01 DRAWN BY : DRW

SHEET TITLE:
FINISH SCHEDULE & LEGEND

SHEET NUMBER:
A10.1

BID

10/1/2024 12:35:06 PM



1 A10.2 **FIRST FLOOR FINISH PLAN**
1/8" = 1'-0"

10/1/2024 12:36:08 PM

MAROTTA/MAIN ARCHITECTS
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SEAL:

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RENOVATION TO
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ISSUE DATES

DATE:	DESCRIPTION:
10/01/2024	BID DOCUMENTS

PROJ # : 24-BGC-01 DRAWN BY : DRW

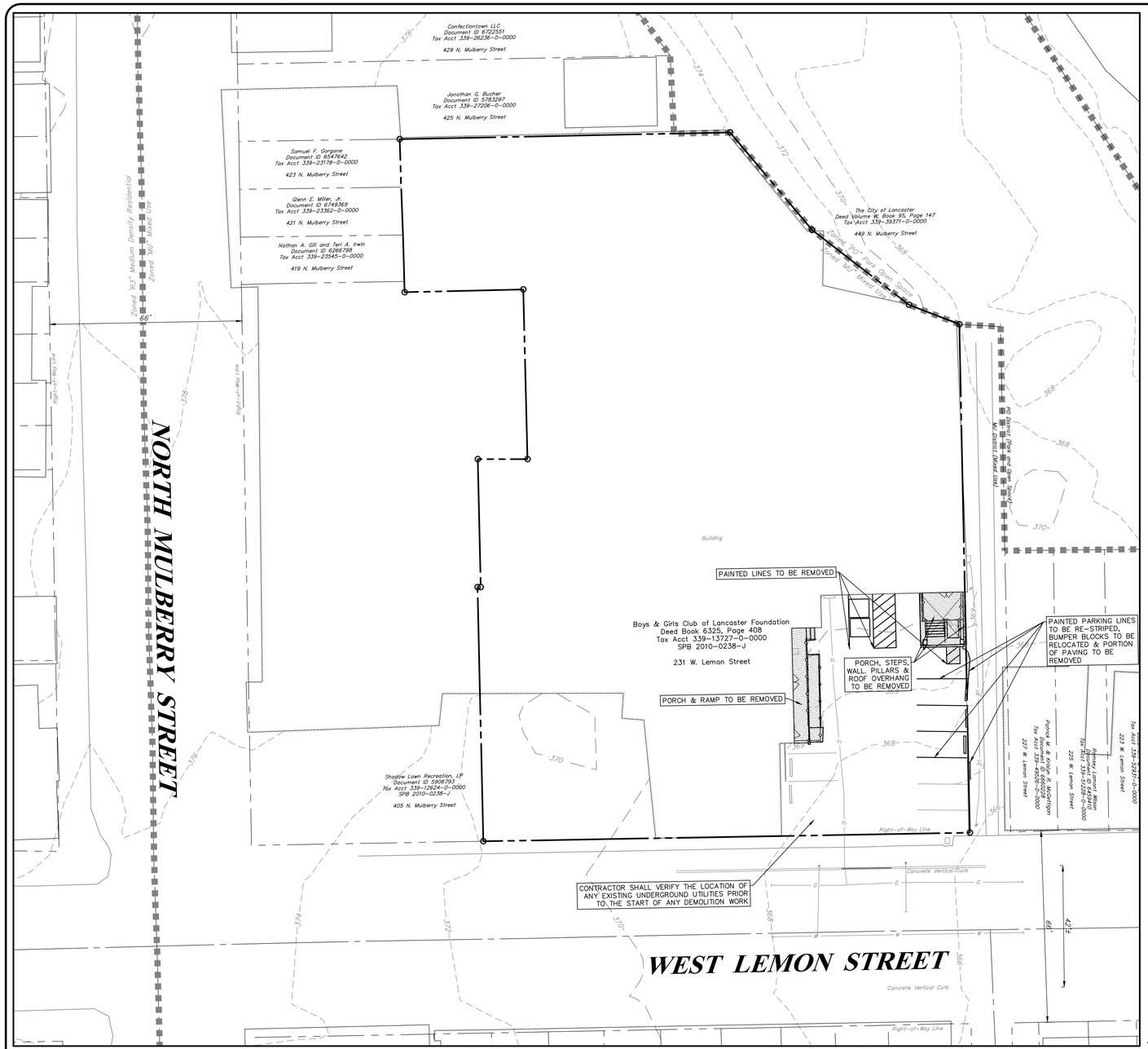
SHEET TITLE:

FIRST FLOOR FINISH PLAN

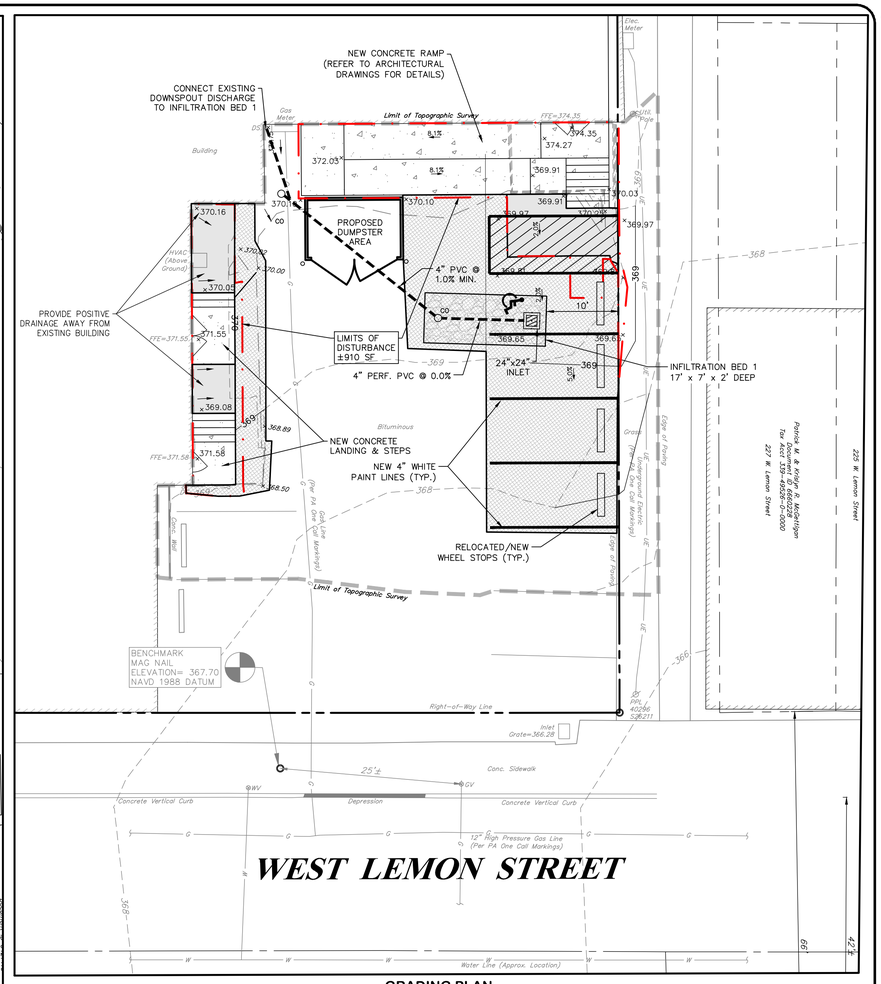
SHEET NUMBER:

A10.2

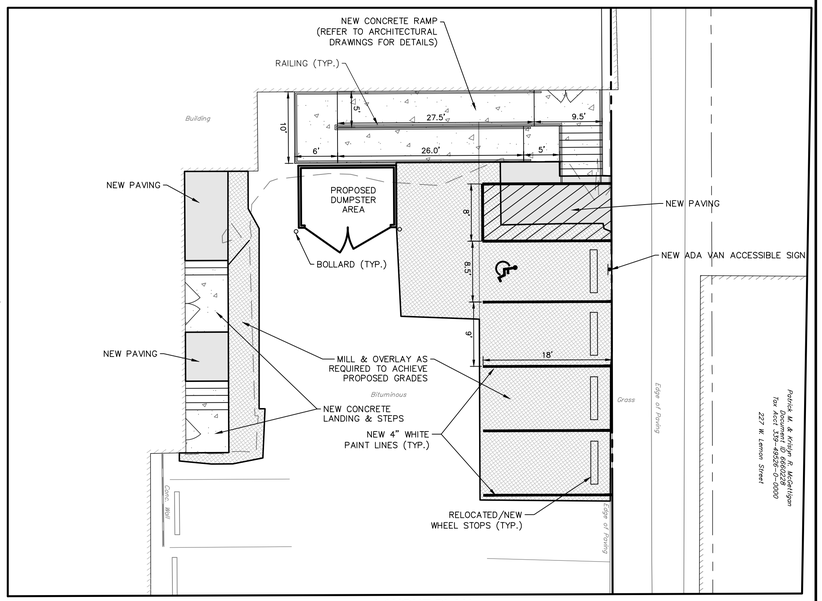
BID



EXISTING CONDITIONS & DEMOLITION PLAN



GRADING PLAN



LAYOUT PLAN

LEGEND

EXISTING FEATURES

- WATER MAIN, HYDRANT & VALVE
- GAS MAIN & VALVE
- UTILITY POLE
- OVERHEAD WIRE
- EDGE OF PAVEMENT/DRIVEWAY
- RIGHT-OF-WAY LINE
- BOUNDARY & CORNER
- BUILDING SETBACK LINE
- ZONING BOUNDARY
- MAJOR CONTOUR
- MINOR CONTOUR
- LIMIT OF SURVEY
- EXISTING FEATURES TO BE REMOVED/RELOCATED UNLESS OTHERWISE NOTED.

PROPOSED FEATURES

- EDGE OF PAVEMENT/DRIVEWAY
- SIGN
- CONCRETE
- FULL DEPTH PAVING
- MILL AND OVERLAY
- MAJOR CONTOUR
- MINOR CONTOUR
- LIMIT OF DISTURBANCE

OWNER OF RECORD / SOURCE OF TITLE

PROPERTY ADDRESS: 231 W. LEMON STREET
BOYS & GIRLS CLUB OF LANCASTER FOUNDATION
MAILING ADDRESS: 229 W. LEMON STREET
ACCOUNT NO.: 339-13727-0-000
DEED BOOK 6325, PAGE 408
SUB. PLAN: 2010-0238-J

ONE - CALL SYSTEM

PENNSYLVANIA ONE CALL SYSTEM, INC. 1-800-242-1776 STOP! CALL BEFORE YOU DIG!

Pennsylvania Act 287 (1974) Amended by Act 50 (2017) requires 3 working days notice from excavators who are about to Dig, Blast, Auger, Bore, Grade, Trench or Demolish anywhere in the Commonwealth. Contractor Shall Place A One-Call (1-800-242-1776) Prior to Construction.

SERIAL NO.: 20241703732

NOTES:

SURVEY NOTES:

1. THE PARTIAL TOPOGRAPHIC SURVEY IS BASED ON A SURVEY EXECUTED BY TRIMBLE SURVEYORS, LLC (250 S. SPRUCE STREET, LITITZ PA 17543, PHONE: 717-626-0028) ON JUNE 17, 2024. ADDITIONAL SITE FEATURES AND TOPOGRAPHY TAKEN FROM LANCASTER COUNTY GIS DATA, LIDAR DATA, AND FIELD OBSERVATION.
2. SITE BENCHMARK: MAG NAIL SET IN SIDEWALK ON THE NORTH SIDE OF WEST LEMON STREET, ±25' WEST OF A WATER VALVE.
   ELEVATION = 367.70
   DATUM: NAVD 1988
4. HORIZONTAL DATUM IS NORTH AMERICAN DATUM 1983 (NAD83) STATE PLANE COORDINATES (SOUTH ZONE).
5. UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE AND WERE DETERMINED FROM VISIBLE LOCATION, PA ONE CALL UTILITY MARKINGS AND THE BEST AVAILABLE PLAN INFORMATION. THE LOCATIONS ARE APPROXIMATE AND MUST BE VERIFIED PRIOR TO ANY CONSTRUCTION, EXCAVATION OR BLASTING. TRIMBLE SURVEYORS LLC ASSUMES NO RESPONSIBILITY FOR ANY DAMAGES INCURRED AS A RESULT OF THE UTILITIES ADMITTED OR INACCURATELY SHOWN.

NOTE:

ALL IMPROVEMENTS OUTSIDE OF EXISTING RAMP & STEP REMOVAL AND NEW RAMP & STEP CONSTRUCTION WILL NOT DISTURB SUBGRADE. THE LIMITS OF DISTURBANCE SHOWN INCLUDE THE AREAS OF RAMP & STEP REMOVAL AS WELL AS NEW RAMP & STEP CONSTRUCTION.

CONTRACTOR SHALL VERIFY THE LOCATION OF ANY EXISTING UNDERGROUND UTILITIES PRIOR TO THE START OF ANY DEMOLITION WORK

HARBOR ENGINEERING

HARBOR ENGINEERING, INC.
1104 CHESTNUT STREET
MAYFIELD, PA 17545

PHONE: (717)860-0000
FAX: (717)860-0001

CIVIL ENGINEERING · LANDSCAPE ARCHITECTURE

NO	BY	DATE	REVISION

OWNER
BOYS & GIRLS CLUB OF LANCASTER FOUNDATION
JACK WALKER CLUB HOUSE
229 WEST LEMON STREET
LANCASTER, PA 17602
(717) 397-5514

PROJECT TITLE
SMALL STORMWATER MANAGEMENT PLAN
FOR
231 WEST LEMON STREET
CITY OF LANCASTER, LANCASTER COUNTY, PENNSYLVANIA

SHEET TITLE
EXISTING CONDITIONS / DEMOLITION / LAYOUT & GRADING PLAN

0' 10' 20' 30'
1" = 10'

SEAL

DRAWN BY: BRK
CHECKED BY: SPG

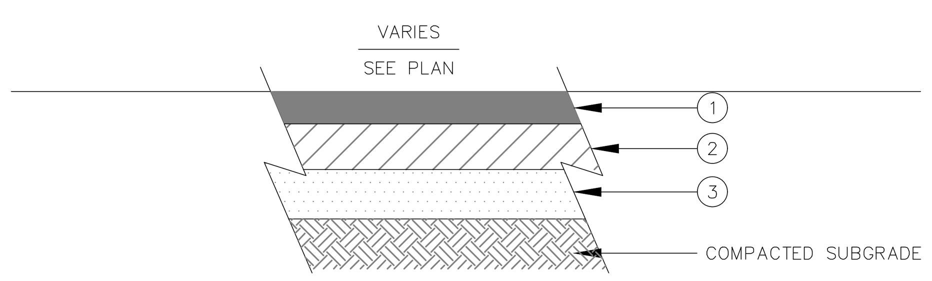
DATE: SEPTEMBER 30, 2024

PROJECT NO.: 24426-036

SHEET: 1 OF 2

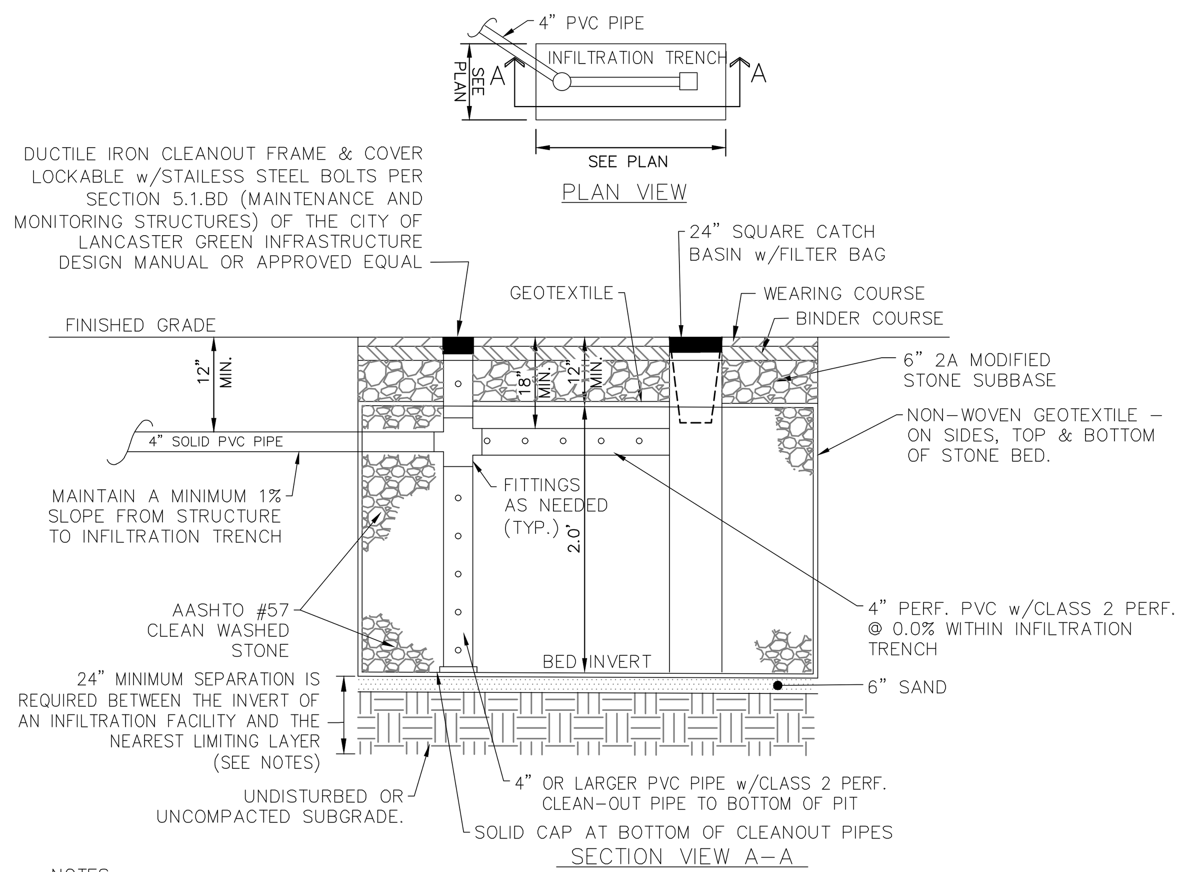
P:\Projects\24426-036\CADD\SMALL SWM PLAN.dwg, 01-SWM PLAN, 9/30/2024 3:19:16 PM

	PARKING PAD
1	1.5" SUPERPAVE ASPHALT DESIGN, HMA WEARING COURSE, PG 64-22, 0.3 TO <3.0 MILLION ESALS. 9.5 MM, SRL-H
2	3" SUPERPAVE ASPHALT DESIGN, HMA BINDER COURSE, PG 64-22, 0.3 TO <3.0 MILLION ESALS. 25 MM, SRL-H
3	6" 2A MODIFIED STONE SUBBASE
NOTE: ALL DEPTHS ARE FINAL COMPACTED DEPTHS	



1/2 PAVING CROSS SECTION

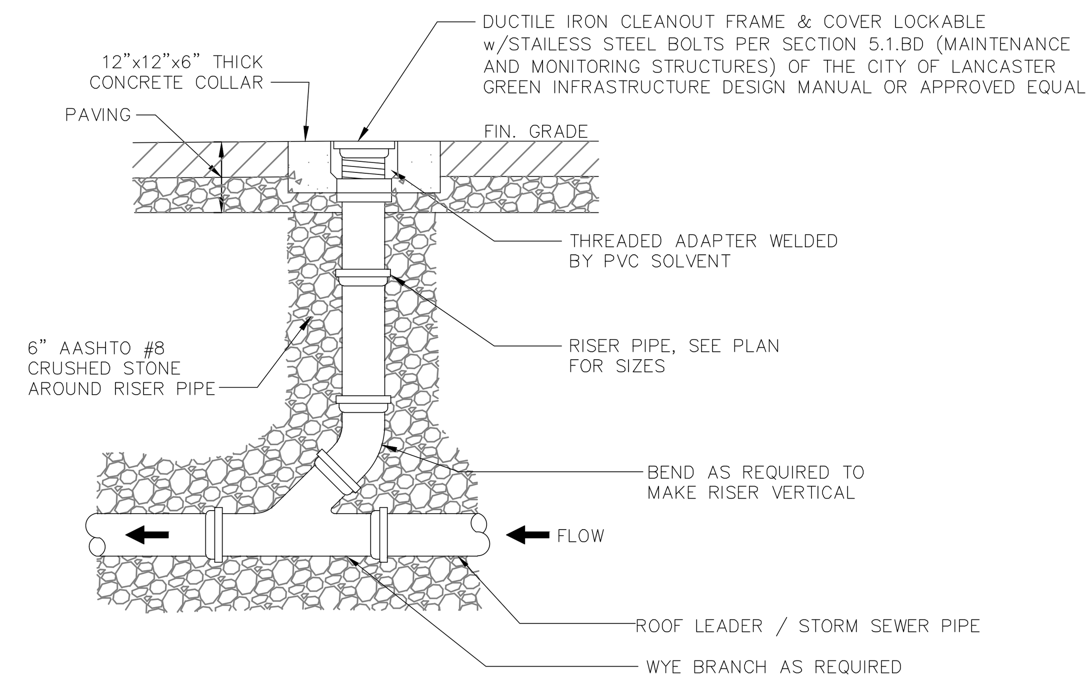
NOT TO SCALE



NOTES:
1. INFILTRATION TRENCH SHALL BE LOCATED IN THE AREA IDENTIFIED ON THE APPROVED PLAN.
2. TOP 12" OF STONE MAY BE REPLACED WITH A CLEAN 3/4" STONE TO AID IN PIPE INSTALLATION.
3. TOP, SIDES & BOTTOM OF INFILTRATION TRENCH SHALL BE COMPLETELY LINED WITH A NON-WOVEN GEOTEXTILE MATERIAL PER THE REQUIREMENTS OF THE CITY OF LANCASTER GREEN INFRASTRUCTURE DESIGN MANUAL SECTION 5.4.3.E. ALLOW A MINIMUM 1' OVERLAP AT ALL MATERIAL EDGES.
4. PRIOR TO STONE BACKFILL, ONE DOUBLE-RING INFILTROMETER TESTING SHALL BE PERFORMED TO VERIFY INFILTRATION RATES.

2/2 INFILTRATION TRENCH

NOT TO SCALE

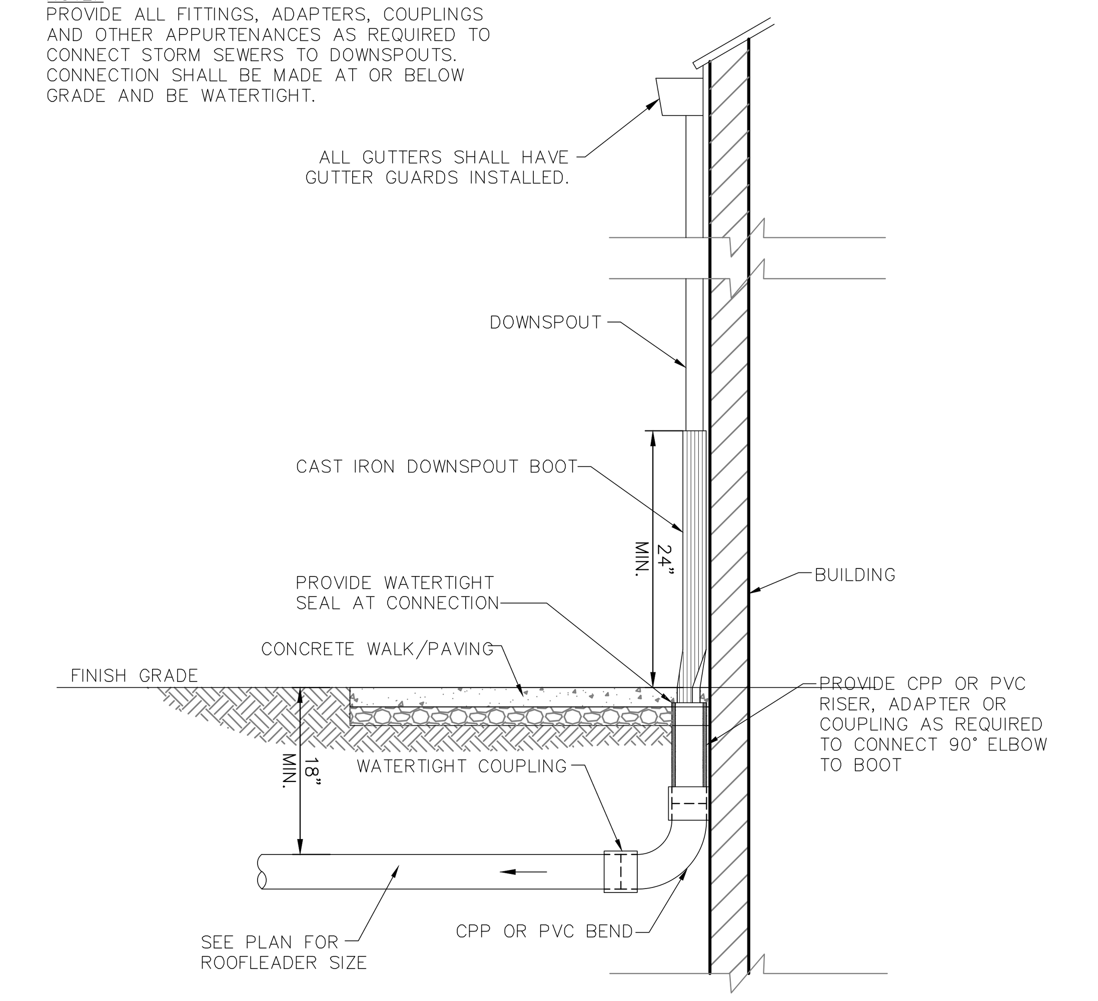


NOTE:
1. CLEANOUTS IN SIDEWALKS OR PAVED AREAS SHALL BE SET AT FINISHED GRADE WITH A 12"x12"x6" THICK CONCRETE PAD AT THE SURFACE.

3/2 STORM SEWER CLEANOUT (PVC ROOFLEADERS) WITHIN PAVED OR CONCRETE AREAS

NOT TO SCALE

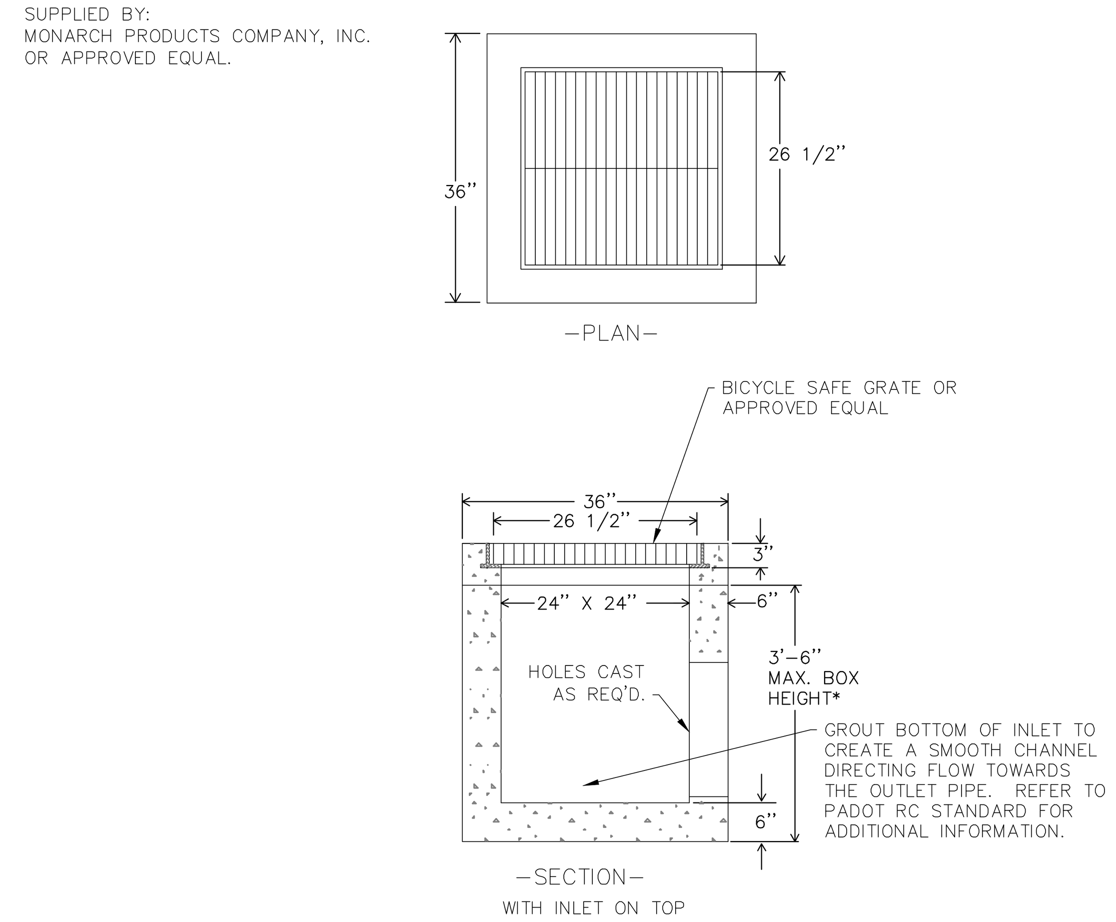
NOTE:
PROVIDE ALL FITTINGS, ADAPTERS, COUPLINGS AND OTHER APPURTENANCES AS REQUIRED TO CONNECT STORM SEWERS TO DOWNSPOUTS. CONNECTION SHALL BE MADE AT OR BELOW GRADE AND BE WATERTIGHT.



4/2 TYPICAL CONNECTION TO DOWNSPOUT

NOT TO SCALE

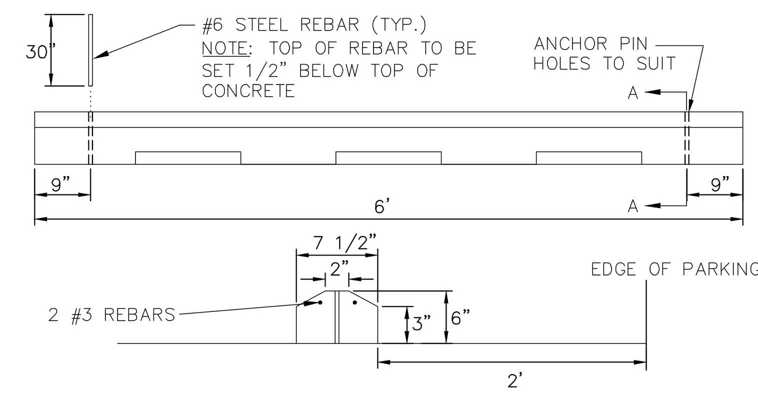
SUPPLIED BY:
MONARCH PRODUCTS COMPANY, INC.
OR APPROVED EQUAL.



* RISER SECTIONS AVAILABLE

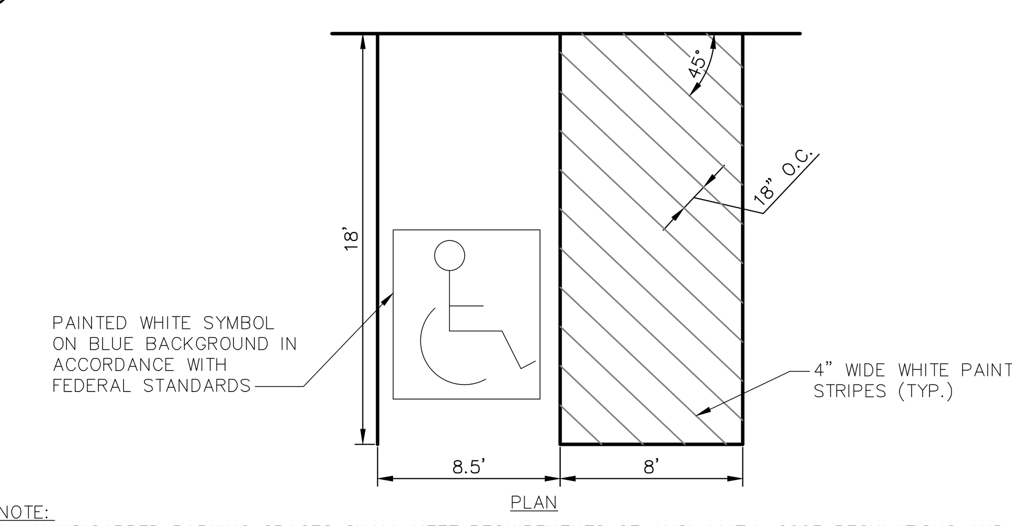
5/2 24" x 24" CATCH BASIN

NOT TO SCALE



7/2 CONCRETE WHEEL STOP

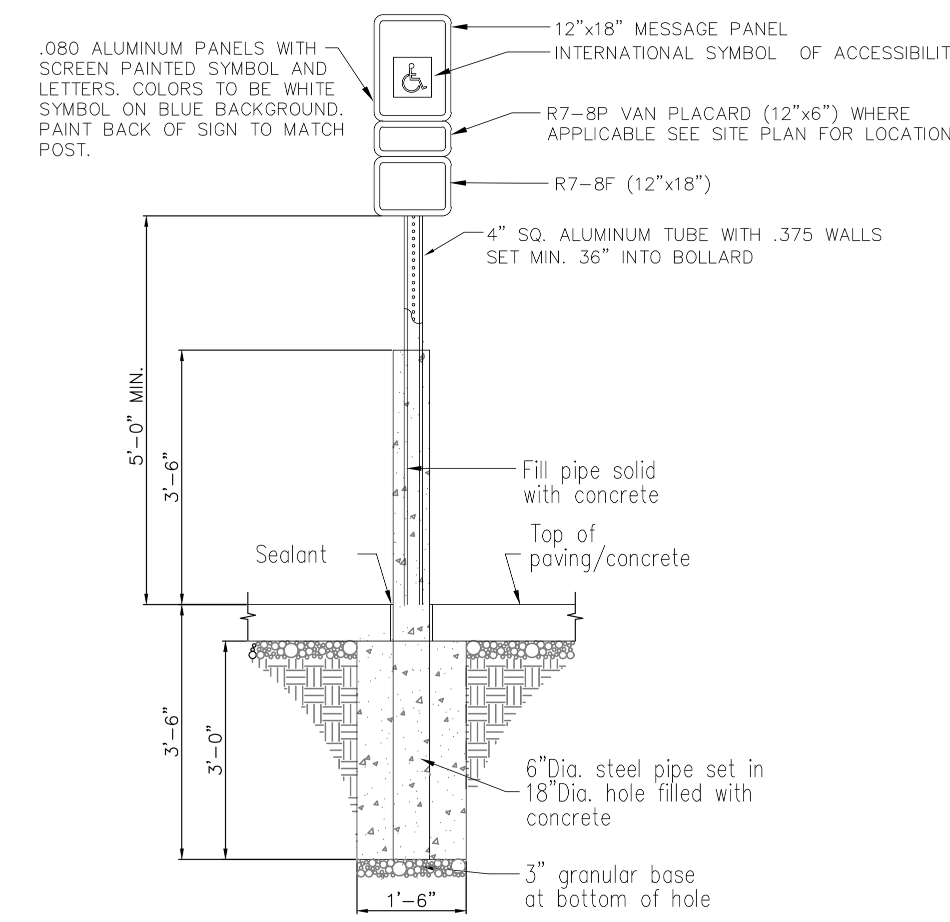
NOT TO SCALE



NOTE:
1. HANDICAPPED PARKING SPACES SHALL MEET REQUIREMENTS OF ANSI A117.1-2003 REGULATIONS AND GUIDELINES INCLUDING BUT NOT LIMITED TO SLOPES, SIGNS, AND STRIPING.
2. 2% MAXIMUM SLOPES IN HANDICAPPED PARKING AREA

6/2 HANDICAPPED PARKING DETAIL

NOT TO SCALE



7/2 HANDICAPPED POST PLACARD SIGN WITH BOLLARD

NOT TO SCALE

CONSTRUCTION SEQUENCE FOR INFILTRATION TRENCH:

EXECUTION:

a. SUB-GRADE PREPARATION
1. EXISTING SUB-GRADE IN INFILTRATION AREAS SHALL NOT BE COMPACTED OR SUBJECT TO EXCESSIVE CONSTRUCTION EQUIPMENT TRAFFIC.
2. INITIAL EXCAVATION CAN BE PREFORMED DURING ROUGH SITE GRADING BUT SHALL NOT BE CARRIED TO WITHIN ONE FEET OF THE FINAL BOTTOM ELEVATION. FINAL EXCAVATION SHOULD NOT TAKE PLACE UNTIL ALL DISTURBED AREAS IN THE DRAINAGE AREA HAVE BEEN STABILIZED.
3. WHERE EROSION OF SUB-GRADE HAS CAUSED ACCUMULATION OF FINE MATERIALS AND/OR SURFACE PONDING IN THE GRADED BOTTOM, THIS MATERIAL SHALL BE REMOVED WITH LIGHT EQUIPMENT AND THE UNDERLYING SOILS SCARIFIED TO A MINIMUM DEPTH OF 6 INCHES WITH A YORK RAKE OR EQUIVALENT BY LIGHT TRACTOR.
4. BRING SUB-GRADE OF INFILTRATION AREA TO LINE, GRADE, AND ELEVATIONS INDICATED. FILL AND LIGHTLY REGRADE ANY AREAS DAMAGED BY EROSION, PONDING, OR TRAFFIC COMPACTION. ALL INFILTRATION AREAS SHALL BE LEVEL GRADE ON THE BOTTOM.
5. THE SUBSURFACE AREA SHALL BE PREPARED FOR INFILTRATION BY SCARIFYING THE UNDERLYING SOILS A MINIMUM DEPTH OF SIX INCHES (6") WITH A YORK RAKE AND LIGHT TRACTOR TO FACILITATE SOIL INFILTRATION.

NOTES:
- THE PROPOSED FACILITY RELIES ON PERMEABLE SOIL CONDITIONS TO DEWATER AND FUNCTION PROPERLY. EVERY PRECAUTION MUST BE MAINTAINED BY THE CONTRACTOR DURING THE CONSTRUCTION TO ASSURE THAT COMPACTION DOES NOT OCCUR WHICH WOULD COMPROMISE THE PERMEABILITY OF THE FLOOR OF THE FACILITY.
- HALT EXCAVATION AND NOTIFY ENGINEER IMMEDIATELY IF EVIDENCE OF SINKHOLE ACTIVITY OR PINNACLES OF CARBONATE BEDROCK ARE ENCOUNTERED IN THE INFILTRATION AREA.
- DURING CONSTRUCTION, THE INFILTRATION FACILITY SHALL BE PROTECTED FROM SEDIMENTATION ENTERING THE FACILITIES UNTIL THE CONTRIBUTORY DRAINAGE AREA HAS ACHIEVED FULL STABILIZATION, WHICH IS A MINIMUM UNIFORM 90% PERENNIAL VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING AND OTHER MOVEMENTS.
- PROTECT INFILTRATION FACILITY FROM SEDIMENT AT ALL TIMES DURING CONSTRUCTION. HAY BALES, DIVERSION BERMS AND/OR OTHER APPROPRIATE MEASURES SHALL BE USED AT THE TOE OF SLOPES THAT ARE ADJACENT TO INFILTRATION FACILITY TO PREVENT SEDIMENT FROM WASHING INTO THESE AREAS DURING SITE DEVELOPMENT.

b. INFILTRATION TRENCH INSTALLATION
1. PRIOR TO THE INSTALLATION OF CLEAN STONE, THE SIDES OF THE EXCAVATED BED AREA IS TO BE CHECKED FOR UNSUITABLE FILL MATERIAL.
2. NON-WOVEN GEOTEXTILE SHALL BE INSTALLED ALONG ALL SIDES OF THE BED.
3. CLEAN STONE SHALL BE COMPACTED/VIBRATED WITH LIGHT EQUIPMENT IN MAXIMUM OF 18" LIFTS TO SET STONE AND ELIMINATE POST-CONSTRUCTION SETTLEMENT.
4. FOLLOWING THE PLACEMENT OF THE STONE, THE NON-WOVEN GEOTEXTILE IS TO BE OVERLAPPED ON TOP OF THE TRECNH.
5. INSTALL ALL PIPING AND CLEANOUTS PER THE PLAN AND DETAILS.
6. BACKFILL MATERIAL SHALL BE FREE OF LARGE (NOT EXCEEDING 6 INCHES IN ANY DIMENSION) STONE, ROCK, OR OTHER OBJECTIONABLE OR DETRITUS MATERIAL. SELECT NON-AGGREGATE BACKFILL MATERIAL SHOULD BE INDIGENOUS TO THE SURROUNDING SOIL MATERIAL FOR NON-VEHICULAR AREAS.

NOTES:
- INFILTRATION FACILITY FILTER FABRIC AND STONE SHOULD BE KEPT CLEAN OF SOIL/SEDIMENT DURING THE INSTALLATION PROCESS. IF INSPECTION INDICATES THAT SOIL SEDIMENT HAS ENTERED ANY OF THE INFILTRATION FACILITY, APPROPRIATE MEASURES (I.E. CLEANING THE SOIL/SEDIMENT FROM THE FABRIC, STONE, BED ETC. AND/OR REPLACEMENT OF THE FABRIC AND STONE) SHOULD BE ADDRESSED.

MATERIALS/SPECIFICATION NOTES:
1. TOP 12" OF STONE MAY BE REPLACED WITH A CLEAN 3/4" STONE TO AID IN PIPE INSTALLATION.
2. ALL STONE FOR THE CONSTRUCTION OF THE FACILITY SHOULD BE UNIFORMLY GRADED AND CLEAN AGGREGATE.
3. TOP, SIDES AND BOTTOM OF FACILITY AND STONE SURFACE SHALL BE COMPLETELY LINED TO BOTTOM OF FACILITY WITH A PADOT CLASS 1 NON-WOVEN GEOTEXTILE MATERIAL PER PUBLICATION 408, SECTION 212.3B. A MINIMUM 1' OVERLAP SHALL BE PROVIDED AT ALL MATERIAL EDGES. DO NOT INSTALL GEOTEXTILE ON FACILITY BOTTOM.
4. CONTRACTOR SHALL USE TEE'S, BENDS, CROSSES, AND REDUCERS AS REQUIRED TO MAKE NECESSARY CONNECTIONS.
5. ALL PERFORATED PIPE WITHIN THE FACILITY SHALL HAVE A MINIMUM DIAMETER AS NOTED ON THE PLANS AND/OR DETAILS.
6. ALL PERFORATED PIPE SHALL BE AASHTO CLASS 2 FULLY PERFORATED PIPE. PERFORATIONS MAY BE CIRCULAR OR SLOTTED AND ARE TO BE UNIFORMLY SPACED ON THE OUTSIDE VALLEYS OF THE CORRUGATIONS ALONG THE LENGTH AND CIRCUMFERENCE OF THE PIPE, OR HAVE APPROVED EQUIVALENT PERFORATIONS.

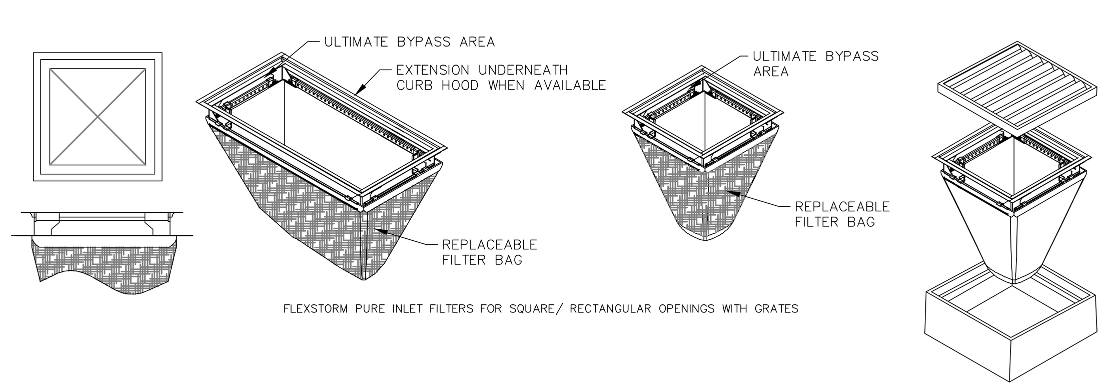
CONTRACTOR NOTES:
1. FACILITY SHALL BE LOCATED IN THE AREA IDENTIFIED ON THE APPROVED PLAN.
2. CARE SHALL BE TAKEN TO ENSURE THAT NO COMPACTION EQUIPMENT, SEDIMENT, OR STONE DUST ENTERS THE PROPOSED INFILTRATION FACILITIES AS THIS COULD POTENTIALLY "SEAL" THE FACILITIES.

BMP OPERATION AND MAINTENANCE NOTES
1. MAINTENANCE RESPONSIBILITY: THE OWNERS AND OCCUPANTS OF THE HEREON SHOWN PROPERTY SHALL OWN AND MAINTAIN THE STORMWATER MANAGEMENT FACILITIES SHOWN AND CONSTRUCTED.
   LANCASTER CITY SHALL HAVE THE RIGHT TO:
   - INSPECT THE FACILITIES AT ANY TIME
   - REQUIRE THE OWNER TO TAKE CORRECTIVE MEASURES AND ASSIGN A REASONABLE TIME PERIOD FOR SUCH ACTIONS TO BE TAKEN.
   - AUTHORIZE MAINTENANCE TO BE DONE.
2. MAINTENANCE SCHEDULE: BMPS MUST BE INSPECTED BY THE PROPERTY OWNER AT LEAST TWICE A YEAR AND AFTER STORM EVENTS EXCEEDING 1" OF RAINFALL IN 24 HOURS TO ENSURE THEY ARE FUNCTIONING AS INTENDED.
3. THE FOLLOWING ARE SPECIFIC OPERATION & MAINTENANCE NOTES FOR THE INFILTRATION TRENCH:

   INFILTRATION TRENCH:
   - INSPECT CATCH BASIN AND CLEANOUT FOR DAMAGE, DEBRIS AND TRASH. REPAIR AND CLEAN AS NECESSARY
   - MONITOR DEWATERING TIME FOR THE INFILTRATION TRENCH AFTER MAJOR RAINFALL EVENT EXCEEDING 3.1 INCHES OF PERCIPATION IN 24 HOURS TO ENSURE COMPLETE DEWATERING WITHIN 72 HOURS.

8/2 INFILTRATION TRENCH NOTES

NOT TO SCALE



FLEXSTORM PERMANENT FRAME WITH REPLACEABLE PURE FILTER BAG FOR POST CONSTRUCTION (PC)		
FOR RECTANGULAR / SQUARE OPENINGS WITH GRATES		
Clear Drop Thru Opening Size (not grate size)	Flexstorm Frame/Bag P/N	Typical Inlet Size
Small: 12"x12" Up to 16"x16" (or 64" max Perimeter)	62SHD-PC	12"x12"/18"x18"
Medium: 18"x18" Up to 24"x24" (or 96" max Perimeter)	62MHD-PC	24"x24"
Large: 26"x26" Up to 30"x30" (or 120" max Perimeter)	62LHD-PC	48"x24"
XL: 32"x32" Up to 48"x48" (or 192" max Perimeter)	62XLHD-PC	48"x48"
INLETS: I-A1		

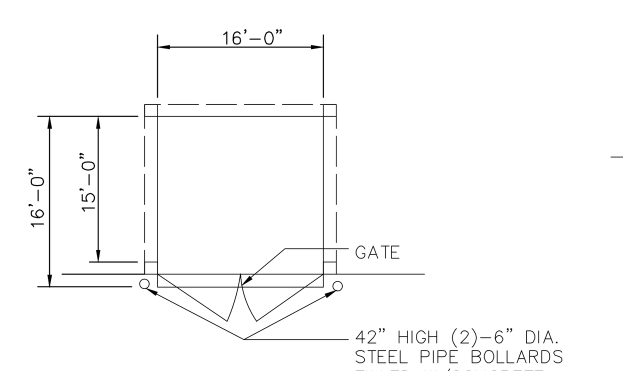
INSTALLATION NOTES:
1. REMOVE GRATE.
2. MOUNT INLET FILTER FRAME ONTO LOAD BEARING LIP OF CASTING OR CONCRETE STRUCTURE. INSTALL REPLACEABLE BAG ONTO FRAME.
3. REPLACE GRATE.

MANUFACTURER NOTES:
1. ALL FRAMING IS CONSTRUCTED OF 304 STAINLESS STEEL FOR 25 YEAR SERVICE LIFE RATING.
2. TOTAL BYPASS CAPACITY: BYPASS CAPACITY WILL VARY WITH EACH SIZE DRAINAGE STRUCTURE, FLEXSTORM DESIGNS FRAMING BYPASS TO MEET OR EXCEED THE DESIGN FLOW OF THE PARTICULAR DRAINAGE STRUCTURE.
3. UPON ORDERING CONFIRMATION OF THE DOT CALLOUT, PRECAST OR CASTING MAKE AND MODEL, OR DETAILED DIMENSIONAL FORMS MUST BE PROVIDED TO CONFIGURE AND ASSEMBLE YOUR CUSTOMIZED FLEXSTORM INLET FILTER. PART NUMBER ALONE IS NOT SUFFICIENT.
4. FOR WRITTEN SPECIFICATIONS AND MAINTENANCE GUIDELINES VISIT WWW.ADSPIPE.COM (ADS, INC., 866-287-8655)

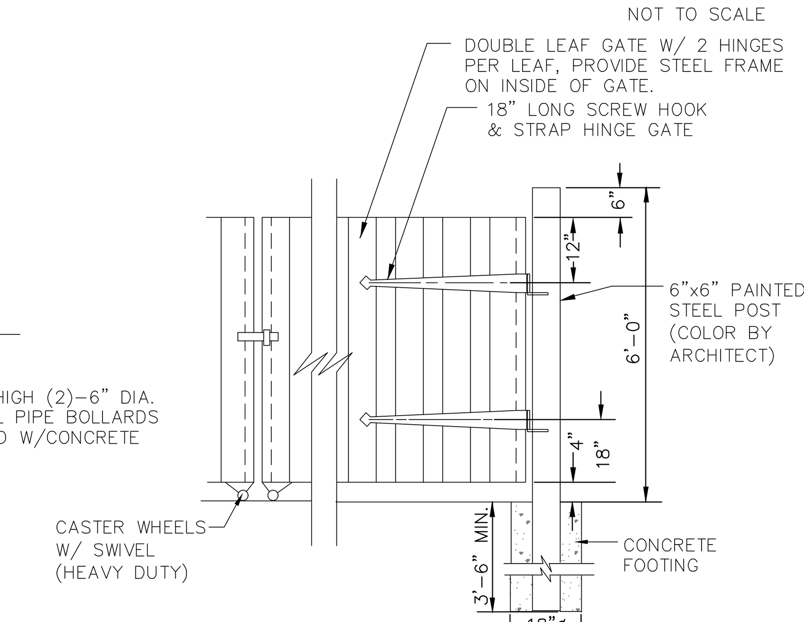
CONTRACTOR TO VERIFY REQUIRED FLEXSTORM FRAME AND BAG UNIT SIZES FOR ALL INLETS PRIOR TO ORDERING

9/2 PERMANENT STAINLESS STEEL INLET FILTER FRAME WITH REPLACEBLE PURE INLET FILTER BAG

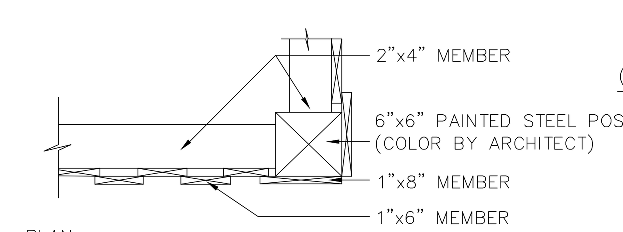
NOT TO SCALE



PLAN
POST LOCATION



GATE / FENCE ELEVATION



PLAN
FENCE CORNER

NOTE:
ALL MEMBERS TO BE PRESSURE TREATED SOUTHERN YELLOW PINE NO.1 LUMBER.
ALL FASTENERS TO BE GALVANIZED STEEL.
ALL WOOD MEMBERS TO HAVE MOISTURE CONTENT NO GREATER THAN 19%.

10/2 DUMPSTER ENCLOSURE W/ WOOD FENCE AND GATE

NOT TO SCALE

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HARBOR ENGINEERING, INC.
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MANHEIM, PA 17545
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CIVIL ENGINEERING - LANDSCAPE ARCHITECTURE

NO	BY	DATE	REVISION

OWNER
BOYS & GIRLS CLUB OF LANCASTER FOUNDATION
JACK WALKER CLUB HOUSE
229 WEST LEMON STREET
LANCASTER, PA 17602
(717) 397-5514

PROJECT TITLE
SMALL STORMWATER MANAGEMENT PLAN FOR
231 WEST LEMON STREET
CITY OF LANCASTER, LANCASTER COUNTY, PENNSYLVANIA

SHEET TITLE
DETAILS

AS NOTED

SEAL

DRAWN BY:	CHECKED BY:
BRK	SPG

DATE: SEPTEMBER 30, 2024

PROJECT NO.: 24426-036

SHEET: 2 OF 2

PLUMBING NOTES:

1. IT IS THE INTENTION OF THE DRAWINGS TO CALL FOR FINISHED WORK, TESTED AND READY FOR OPERATION. ANY APPARATUS, APPLIANCE, MATERIAL OR WORK NOT INDICATED ON THE DRAWINGS OR ANY INCIDENTAL ACCESSORIES REQUIRED TO MAKE THE WORK COMPLETE TO ALL RESPECTS AND READY FOR OPERATION SHALL BE FURNISHED, DELIVERED AND INSTALLED WITHOUT ADDITIONAL EXPENSE OR TIME TO THE PROJECT.
2. EACH CONTRACTOR SHALL PROVIDE OPENINGS THROUGH THE CONSTRUCTION AND SLEEVES AS REQUIRED FOR CONTRACTOR'S WORK. ANY PIPING OR CONDUIT PASSING THROUGH MASONRY OR CONCRETE WALLS OR FLOORS SHALL BE PROVIDED WITH SLEEVES AS PER SPECIFICATIONS, FILL THE ANNULAR VOIDS AS PER THE SPECIFICATIONS.
3. TAKE PRECAUTION AGAINST DAMAGE TO ANY EXISTING UTILITIES, AND CONSTRUCTION NOT INCLUDED WITHIN THE SCOPE OF WORK.
4. THE DRAWINGS ARE DIAGRAMATIC AND INDICATE THE GENERAL ARRANGEMENT OF THE VARIOUS SYSTEMS AND WORK INDICATED IN THE CONTRACT. THE RIGHT IS RESERVED TO MAKE MINOR CHANGES IN LOCATIONS UP TO THE POINT OF ROUGH-IN WITHOUT ADDITIONAL CHARGE TO THE OWNER OR SCHEDULE EXTENSION.
5. ALL WORK DESCRIBED IN THESE DOCUMENTS SHALL COMPLY WITH ALL RELEVANT CODES.
6. MAINTAIN THE INTEGRITY OF ALL EXISTING PIPING SYSTEMS. PRIOR TO CONNECTING NEW WORK TO ANY EXISTING SYSTEM, CONFIRM SYSTEM IDENTIFICATION AND DIRECTION OF FLOW. VERIFY THAT EXISTING PIPING IDENTIFICATION LABELS ARE CORRECT, AND PROVIDE ALL INSTALLATION REQUIREMENTS FOR PROPER CONNECTION TO THE EXISTING SYSTEM.
7. PROVIDE ALL NECESSARY TEMPORARY OR PERMANENT CAPS OR PLUGS FOR PIPING. DO NOT LEAVE PIPING OPEN ENDED.
8. PRIOR TO STARTING CONSTRUCTION, DETERMINE EXACT INVERT ELEVATIONS, SIZE, DEPTH AND LOCATION OF ALL EXISTING UTILITIES WHERE CONNECTIONS ARE TO BE MADE OR INTERSECTIONS OCCUR. WORK BACK TOWARD FIXTURE FROM UTILITY CONNECTION FOR ALL PIPING SYSTEMS.
9. PROVIDE THREE (3) ELBOW SWING JOINTS FOR ALL HOT WATER BRANCH CONNECTIONS TO THE MAIN.
10. INSTALL ALL SHOCK ABSORBERS IN ACCORDANCE WITH THE LATEST "PLUMBING AND DRAINAGE INSTITUTE" STANDARDS FOR WATER HAMMER ARRESTORS.
11. LOCATE ACCESS PANELS IN NON ACCESSIBLE CEILINGS AND WALLS FOR ALL VALVES, SHOCK ABSORBERS, CLEANOUTS AND ALL OTHER ITEMS THAT REQUIRE ACCESS TO PROPERLY MAINTAIN OR SERVICE THE BUILDING. COORDINATE ALL FINAL LOCATIONS WITH ENGINEER PRIOR TO INSTALLATION. FAILURE TO DO SO MAY CAUSE A RELOCATION OF FIXTURE AND ACCESS PANELS WITHOUT ADDITIONAL EXPENSE OR TIME TO THE PROJECT.
12. SANITARY AND VENT PIPING SHALL BE PVC. DOMESTIC WATER SHALL BE TYPE L COPPER TO MATCH THE EXISTING PIPING.
13. COORDINATE ALL SANITARY AND VENT PIPING WITH MECHANICAL DUCTWORK AND ELECTRICAL LIGHTING.
14. ALL SANITARY PIPING SHALL BE PVC, 3" OR LARGER TO SLOPE AT 1/8" PER FOOT MINIMUM, PIPING SMALLER TO SLOPE AT 1/4" PER FOOT MINIMUM UNLESS OTHERWISE NOTED.
15. ALL SANITARY PIPING TO RUN BELOW FLOOR, ALL VENT PIPING TO RUN ABOVE CEILING UNLESS OTHERWISE NOTED.
16. ALL PIPE PENETRATIONS TO HAVE FIRE RATED SLEEVE AND PACKAGING.
17. MINIMUM INVERT FOR SANITARY STACKS BELOW FIRST FLOOR TO BE 1'-6" UNLESS OTHERWISE NOTED.
18. FOR TRAP PRIMING OF ALL FLOOR DRAINS, PROVIDE PROSET SYSTEMS INC, TRAP GUARD, AS AN ADDED ALTERNATE, TO PROSET, ZURN TRAP PRIMER Z-1022, OR SIMILAR PRODUCT MAY BE SPECIFIED.
19. PROVIDE ACCESSIBLE CLEANOUTS AT THE BASE OF ALL SANITARY STACKS.
20. PLUMBING CONTRACTOR SHALL COORDINATE HIS WORK WITH WORK OF ALL OTHER CONTRACTORS PRIOR TO START OF PLUMBING SYSTEM INSTALLATION.
21. FOR MOUNTNG HEIGHTS OF ALL PLUMBING FIXTURES, SEE ARCHITECTURAL DRAWINGS.
22. INSULATE COLD WATER MAINS AND RISERS WITH $\frac{1}{2}$" FIBERGLASS INSULATION. INSULATE HOT WATER MAINS AND RISERS WITH 1" FIBERGLASS INSULATION.
23. ALL SHUT-OFFS VALVES TO BE OPEN PORT VALVES PER IPC 601.1.
24. WATER TEMPERATURE AT PUBLIC HAND WASHING FACILITIES SHALL BE CONTROLLED BY AN ASSE 1070 MIXING VALVE.
25. SEE PLUMBING SCHEDULES FOR CONNECTION SIZES AND LOADS.
26. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL HANDI-CAP FIXTURES. MOUNT THESE FIXTURES IN ACCORDANCE WITH THE STATE ADOPTED BARRIER FREE SUBCODE WITH RESPECT TO SUCH ASPECTS AS MOUNTING HEIGHT, DISTANCE FROM GRAB BARS, LOCATION OF HAND CONTROLS, CLEARANCES, ETC.
27. PROVIDE INDIVIDUAL SHUT-OFF VALVES AT ALL WATER CONNECTIONS TO FIXTURES AND EQUIPMENT.
28. INSTALL ALL PIPING WITHIN THE BUILDING INSULATED ENVELOPE TO PREVENT FREEZING.
29. THE PLUMBING CONTRACTOR SHALL INSTALL PIPING SO AS NOT TO ENCROACH ON REQUIRED CLEARANCES ABOVE ANY ELECTRIC PANEL/SWITCHBOARDS. NO PIPING SHALL BE INSTALLED DIRECTLY OVER ELECTRICAL PANELS AND NO PIPING SHALL BE INSTALLED WITH THE BOTTOM AT LESS THAN 6'-6" ABOVE THE WORKING SPACE IN FRONT OF ANY ELECTRIC PANELS/SWITCHBOARDS.
30. THE PLUMBING CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS TO ALL FIXTURES AND EQUIPMENT UNLESS OTHERWISE NOTED.
31. ALL VENT PIPING SHALL BE SLOPED TO DRAIN BACK TO THE DRAINAGE SYSTEM.
32. ALL MATERIAL, EQUIPMENT AND ACCESSORIES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS. COORDINATE EXACT LOCATIONS TO ACCOMMODATE ALL REQUIRED CLEARANCES AND OBSERVE ALL REQUIREMENTS FOR VALVING AND CONNECTIONS.
33. SEE PLUMBING SCHEDULE FOR BRANCH MINIMUM PIPE BRANCH SIZES.
34. BEFORE ORDERING NEW FIXTURES VERIFY THAT THERE IS ENOUGH AVAILABLE WATER PRESSURE AND GPM FOR PROPER USE.
35. FOLLOW ALL PLUMBING REQUIREMENTS SET FORTH BY THE 2018 INTERNATIONAL PLUMBING CODE.
36. THE CONTRACTOR SHALL GUARANTEE MATERIALS AND WORKMANSHIP FREE OF DEFECT FOR ONE YEAR AFTER DATE OF ACCEPTANCE BY THE OWNER. REPLACE ALL DEFLECTIVE PIPING AND VALVES AS REQUIRED WHEN MODIFYING PIPING.
37. THE CONTRACTOR SHALL USE THE SCHEDULED PLUMBING FIXTURES LISTED OR AN OWNER APPROVED EQUIVALENT. THE CONTRACTOR SHALL SUBMIT FIXTURES FOR REVIEW AND APPROVAL BEFORE PLACING ANY ORDERS.
38. WATER LINES TO BE FLUSHED AND BACTERIA TESTED UPON COMPLETION.

PLUMBING:

SYMBOL	DESCRIPTION
	WALL HYDRANT
CW	COLD WATER SUPPLY PIPING
HW	HOT WATER SUPPLY PIPING
CO/WCO	CLEAN OUT/WCO
FD	FLOOR DRAIN
WH	WALL HYDRANT
W	SANITARY WASTE
V	VENT
UTR	UP THRU ROOF
FCO	FLOOR CLEANOUT
	CHECK VALVE
	SHUT OFF VALVE
	GAS PRESSURE REGULATOR

SANITARY PLUMBING SYMBOL SCHEDULE

	BELOW SLAB SEWER PIPING
	ABOVE SLAB SEWER PIPING
	SANITARY VENT PIPING
	CONNECTION TO EXISTING

DOMESTIC WATER PLUMBING SYMBOL SCHEDULE

	DOMESTIC COLD WATER PIPING
	DOMESTIC HOT WATER PIPING
	FILTERED COLD WATER PIPING
	CONNECTION TO EXISTING
	CHECK VALVE
	BALL VALVE

GAS PLUMBING SYMBOL SCHEDULE

	GAS PIPING
	CONNECTION TO EXISTING
	GAS VALVE
	GAS REGULATOR

PLUMBING FIXTURE SCHEDULE

TAG	QNTY	DESCRIPTION	MANUF.	MODEL	SAN.	VENT	CW	HW	NOTES
WC	2	WATER CLOSET WALL MOUNTED (ADA)	AMERICAN STANDARD	2294.011EC	3"	2"	1"	-	PROVIDE W/ MOUNTED HARDWARE, MATCHING SLOAN PROVIDE TOUCHLESS BATTERY FLUSHOMETER
MS	1	MOP SINK	FIAT	MSBID2424	2"	2"	$\frac{1}{2}$"	$\frac{1}{2}$"	W/ 830AA SERVICE FAUCET
FD	2	FLOOR DRAIN	SIOUX CHIEF	842-2PNR	2"	1-1/2"	-	-	W/ TRAP GUARD TRAP SEAL

NOTES:
1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING HEIGHT OF ALL FIXUTES AND LOCATIONS OF ADA FIXTURES.
2. AN APPROVED EQUAL MAY BE USED FOR ALL FIXTURES SPECIFIED IF QUALIFIED IN BID.
3. CONTRACTOR SHALL PROVIDE AND INSTALL WATTS, ZERN, P.P.P.INC. (OR EQUAL) TRAP SEALS TO SERVE ALL FLOOR DRAINS REQUIRING PROTECTION PER CODE.
4. LAVATORY & KITCHEN SINKS ARE TO BE PROVIDED WITH ASSE 1070 RATED MIXING VALVES TO LIMIT WATER TEMP TO 110 DEGREES
5. FLOOR DRAINS SHALL BE PROVIDE WITH GREEN DRAIN TRAP SEAL. SERIES INLINE FLOOR DRAIN TRAP SEAL WITH UV RESISTANT ABS PLASTIC FRAME, SILICONE RUBBER SEALING FLAPPER AND FOUR FLEXIBLE SEALING RIBS. TESTED AND CERTIFIED TO THE ASSE 1072 STANDARD AND LISTED WITH IAPMO AND I.C.C. SPECIFY CONNECTION SIZE. OR APPROVED EQUAL
6. PLUMBING CONTRACTOR SHALL REVIEW AND COORDINATE PLUMBING FIXTURES AND CONNECTION SIZES AND MAKE ANY NECESSARY CHANGES. PLUMBING CONTRACTOR IS RESPONSIBLE FOR COORDINATING ARE FIXTURES AND THEIR CONNECTION SIZES.
7. SUBMIT PLUMBING FIXTURE CUTS TO THE OWNER FOR REVIEW AND APPROVAL BEFORE ORDERING ANY FIXTURES. FIXTURES LISTED ARE PLACE HOLDERS AND NOT FINAL SELECTIONS.
8. VERIFY PLUMBING FIXTURE QUANTITIES.
9. MATCH NEW TO EXISTING FIXTURES AS BEST POSSIBLE.

SEAL

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL ENGINEER
DAVID T. POSTLETHWAIT
ENGINEER
PE062816
9-30-24

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PROPOSED RENOVATION TO:

BOYS & GIRLS CLUB OF LANCASTER

JACK WALKER CLUBHOUSE
229 W. LEMON STREET
LANCASTER, PA. 17603

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DRAWN BY: DTP	DATE: 09-30-24
CHECKED BY: DTP	SCALE: AS NOTED

NUMBER: 2024-002

SHEET NAME: PLUMBING NOTES & SCHEDULES

SHEET NUMBER

P0.1

GENERAL NOTES

1. BEFORE COMMENCING ANY WORK SURVEY THE EXISTING PLUMBING SYSTEMS TO VERIFY SIZES AND LOCATIONS. VERIFY ACCURACY AND REPORT ANY ISSUES TO ARCHITECT BEFORE STARTING ANY WORK.
2. WHERE POSSIBLE REUSE EXISTING SANITARY AND DOMESTIC WATER PIPING.

DEMO KEY NOTES:

1. DEMO EXISTING MOP SINK. CAP SANITARY AND DOMESTIC WATER PIPING AS NEEDED TO ACCOMMODATE NEW PLUMBING WORK.
2. DISCONNECT EXISTING WATER HEATER AND KEEP FOR REUSE. SEE DRAWING P1.1 FOR NEW LOCATION.
3. DEMO EXISTING SHOWER. CAP SANITARY AND DOMESTIC WATER PIPING AS NEEDED TO ACCOMMODATE NEW PLUMBING WORK.
4. EXISTING WATER CLOSET AND DROP IN LAVATORY TO REMAIN FOR REUSE.
5. EXISTING BREAK ROOM SINK TO REMAIN FOR REUSE.
6. DISCONNECT AND KEEP WATER CLOSET AND ALL ITS ACCESSORIES AND HARDWARE FOR REUSE. PROVIDE ALTERNATE FOR REPLACEMENTS.
7. DEMO EXISTING URINAL. CAP SANITARY AND DOMESTIC WATER PIPING AS NEEDED TO ACCOMMODATE NEW PLUMBING WORK.
8. DEMO EXISTING WALL LAVATORIES. CAP SANITARY AND DOMESTIC WATER PIPING AS NEEDED TO ACCOMMODATE NEW PLUMBING WORK.
9. EXISTING 50 GALLON WATER HEATER TO REMAIN FOR REUSE. VERIFY WATER HEATER SERVES RESTROOM AREA.
10. VERIFY LOCATION OF EXISTING FLOOR CLEAN OUT. RELOCATE IF REQUIRED.
11. VERIFY ACTUAL LOCATION OF EXISTING FLOOR DRAIN. REUSE IF EXISTING LOCATION WORKS WITH NEW LAYOUT. RELOCATE AND PROVIDE NEW IF FLOOR DRAIN HAS TO MOVE DUE TO NEW LAYOUT AND EXISTING CONDITIONS.
12. DEMO FLOOR DRAIN. SEE NEW PLUMBING PLAN FOR NEW FLOOR DRAIN LOCATION.
13. ESTIMATED ASSUMED LOCATION OF EXISTING PIPING FOR TIE IN AND REUSE. THE PLUMBING CONTRACTOR SHALL SURVEY THE EXISTING CONDITIONS AND VERIFY EXACT LOCATION FOR BIDDING.

FIRST FLOOR - DEMO PLUMBING PLAN

SCALE: 1/8" = 1'-0"

SEAL

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL ENGINEER
DAVID T. POSTLETHWAIT
ENGINEER
PE062816
9-30-24

DESIGN PROFESSIONAL:

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PROPOSED RENOVATION TO:

BOYS & GIRLS CLUB OF LANCASTER

JACK WALKER CLUBHOUSE
229 W. LEMON STREET
LANCASTER, PA. 17603

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DRAWN BY: DTP	DATE: 09-30-24
CHECKED BY: DTP	SCALE: AS NOTED

NUMBER: 2024-002

SHEET NAME: DEMO PLUMBING PLAN

SHEET NUMBER

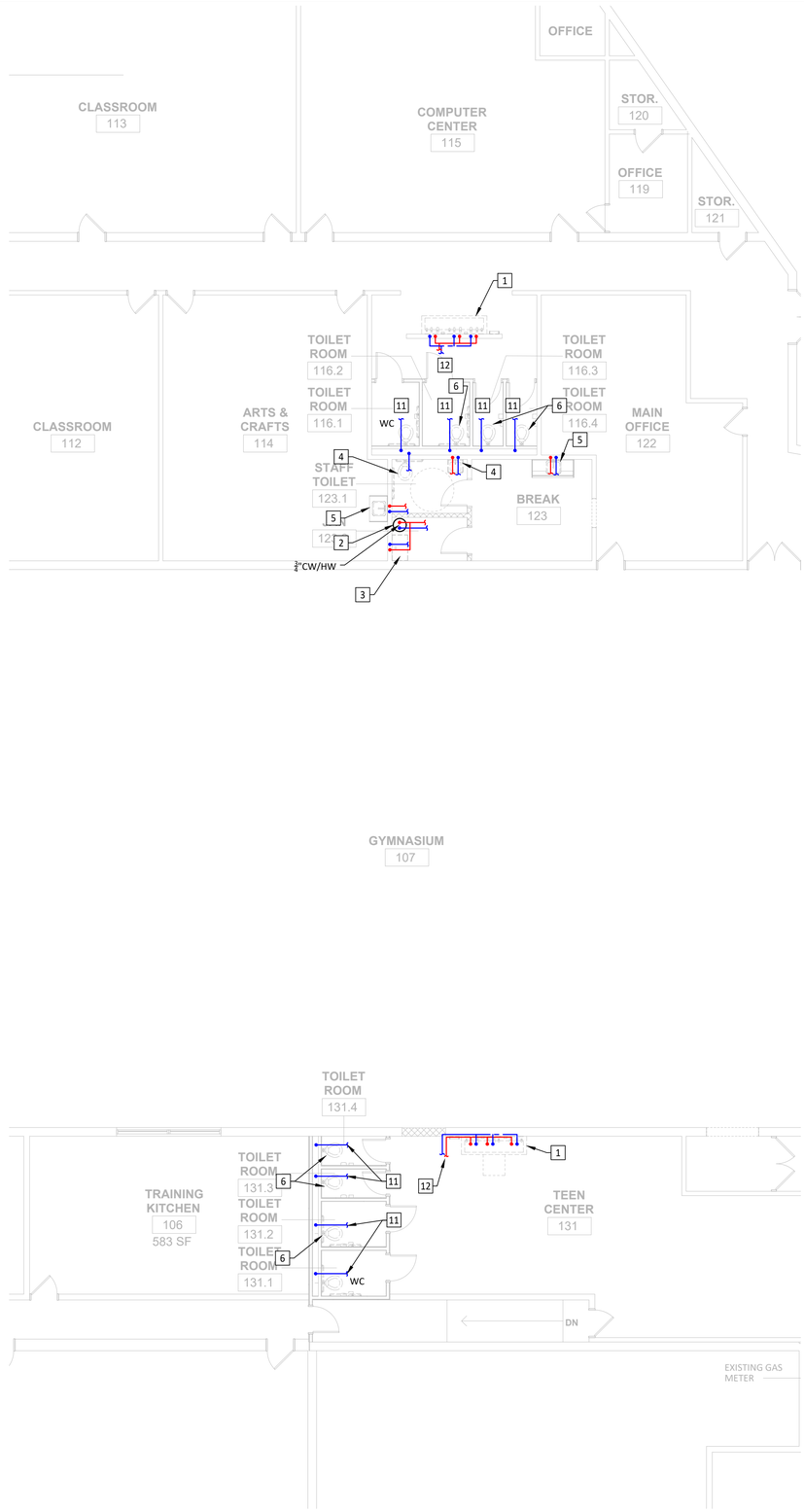
PD1.1

GENERAL NOTES

1. BEFORE COMMENCING ANY WORK SURVEY THE EXISTING PLUMBING SYSTEMS TO VERIFY SIZES AND LOCATIONS. THE EXISTING PIPING IS ESTIMATED AND THE PLANS ARE TO SHOW DESIGN INTENT. MAKE ANY NECESSARY CHANGES TO LAYOUT AS NEEDED PER FIELD CONDITIONS. VERIFY ACCURACY ANY REPORT AND ISSUES TO ARCHITECT BEFORE STARTING ANY WORK.
2. WHERE POSSIBLE REUSE EXISTING SANITARY AND DOMESTIC WATER PIPING.
3. PIPING LAYOUTS SHOWN ARE TO SHOW MINIMUM PIPE SIZES AND ARE FOR REFERENCE. REUSE EXISTING PIPING WHERE POSSIBLE AND MODIFY LAYOUT PER ACTUAL CONDITIONS.

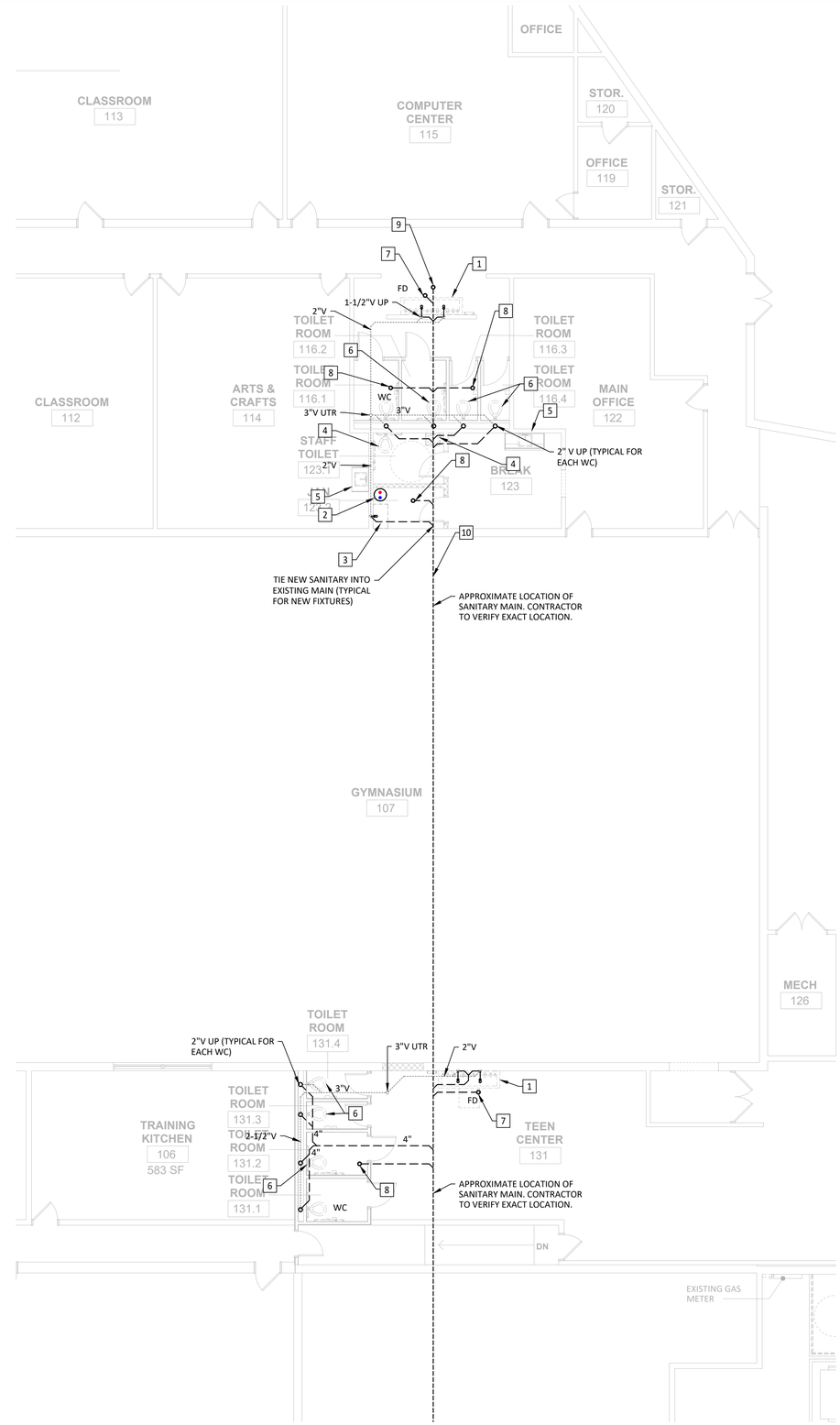
KEY NOTES:

1. INSTALL OWNER SUPPLIED EXISTING REUSED TROUGH WALL MOUNTED LAVATORY FROM OTHER LOCATION. COORDINATE LAV AND FIXTURES WITH OWNER.
2. NEW INSTALLATION LOCATION FOR EXISTING WATER HEATER. TIE INTO LARGER COLD WATER MAIN AND RE-PIPE HOT WATER TO NEW LOCATION AS REQUIRED.
3. NEW MOP SINK. TIE INTO EXISTING SANITARY AND HOT/COLD WATER PIPING.
4. EXISTING WATER CLOSET AND DROP IN LAVATORY TO REMAIN FOR REUSE. KEEP FIXTURE AND REUSE ALL PIPING.
5. EXISTING BREAK ROOM AND ARTS/CRAFTS SINK TO REMAIN FOR REUSE. EXISTING PIPING TO REMAIN WITH SINK FOR REUSE.
6. REUSE WATER CLOSETS AND ALL ITS ACCESSORIES AND HARDWARE. INSTALL IN NEW LOCATION. PROVIDE (2) TOTAL NEW WC W/ REQUIRED ACCESSORIES AND HARDWARE TO MATCH THE EXISTING FIXTURES.
7. INSTALL NEW FLOOR DRAIN WITH TRAP SEAL. TIE INTO EXISTING SANITARY AND VENT AS REQUIRED.
8. VERIFY ACTUAL LOCATION OF EXISTING FLOOR DRAIN. REUSE IF EXISTING LOCATION WORKS WITH NEW LAYOUT. RELOCATE AND PROVIDE NEW IF FLOOR DRAIN HAS TO MOVE DUE TO NEW LAYOUT AND EXISTING CONDITIONS.
9. VERIFY LOCATION OF EXISTING FLOOR CLEAN OUT. RELOCATE IF REQUIRED.
10. SURVEY THE THE EXISTING BUILDING TO LOCATE THE ACTUAL SANITARY MAIN LOCATION. LINE DEPICTED ON PLANS IS THE ASSUMED LOCATION BASED ON THE EXISTING FLOOR CLEAN OUT & LOCATION OF EXISTING PLUMBING FIXTURES.
11. RUN NEW 1" TO EXISTING CW MAIN ABOVE CEILING. MAIN SHALL BE A MINIMUM OF 1-1/2" WHERE 1" CONNECTS.
12. RUN ¾" CW & HW TO EXISTING MAINS ABOVE CEILING. MAIN SHALL BE A MINIMUM OF 3/4" WHERE 3/4" CONNECTS.



PARTIAL FIRST FLOOR - NEW DOMESTIC WATER PLAN

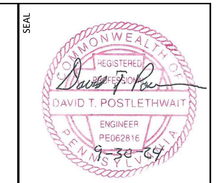
SCALE: 1/8" = 1'-0"



PARTIAL FIRST FLOOR - NEW SANITARY PLUMBING PLAN

SCALE: 1/8" = 1'-0"

SEAL



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CHECKED BY: DTP	SCALE: AS NOTED

NUMBER: 2024-002

SHEET NAME: NEW PLUMBING PLAN

SHEET NUMBER

P1.1

GENERAL HVAC NOTES:

1. THE MECHANICAL SYSTEM INDICATED ON THE DRAWINGS ARE GENERALLY DIAGRAMMATIC TO SHOW THE OWNER'S INTENT AND THE MECHANICAL EQUIPMENT LOCATIONS. ALL EQUIPMENT AND ACCESSORIES ARE SHOWN APPROXIMATELY AND SHALL BE INSTALLED CONSISTENT WITH JOB CONDITIONS AND APPLICABLE CODE REQUIREMENTS. THE HVAC CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS NECESSARY FOR A COMPLETE WORKING SYSTEM AND ALL FINAL DESIGN OF THE COMPLETE MECHANICAL SYSTEM.
2. THE MECHANICAL DESIGN AND INSTALLATION SHALL MEET ALL THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION. IT SHALL ALSO MEET THE 2018 INTERNATIONAL BUILDING CODES, 2018 INTERNATIONAL MECHANICAL CODE, NPFA CODES, ENERGY CODES AND THE NATIONAL ELECTRIC CODE.
3. THE MECHANICAL CONTRACTOR SHALL EXAMINE THE ARCHITECTURAL DRAWINGS AND EXISTING SITE TO FULLY INFORM ITSELF OF ALL CONDITIONS BEFORE BIDDING THE PROJECT SO THAT ARE WORK IS FULLY COVERED.
4. THE MECHANICAL CONTRACTOR SHALL PROVIDE A TRAINING WALK THROUGH WITH THE OWNER AND GENERAL CONTRACTOR TO DISCUSS ALL HVAC COMPONENTS AT THE CONCLUSION OF THE PROJECT.
5. THE MECHANICAL CONTRACTOR SHALL SUBMIT AS - BUILT DRAWINGS AND O & M MANUALS AT THE CONCLUSION OF THE PROJECT.
6. ALL SPACES IN THE SCOPE OF WORK ARE TOILET ROOMS AND SHALL MEET THE VENTILATION REQUIREMENTS OF THE 2018 INTERNATIONAL MECHANICAL CODE SECTION 403 TABLE 403.3.1.1 AND BE PROVIDED WITH A MINIMUM EXHAUST RATE OF 70 CFM.
7. INSTALL ALL EQUIPMENT AND ACCESSORIES PER THE MANUFACTURER INSTRUCTIONS. ALLOW THE MANUFACTURERS RECOMMENDED CLEARANCE AROUND ALL COMPONENTS.
8. TAG & LABEL ALL EQUIPMENT PER THE DRAWING LABELS FOR FUTURE REFERENCE.
9. ALL HVAC DUCTWORK SHALL BE GALVANIZED G90 SHEET METAL AND SHALL MEET THE MINIMUM REQUIREMENTS OF THE LATEST EDITION OF THE SMACNA DUCTWORK CONSTRUCTION STANDARDS. SUPPLY AND RETURN DUCTWORK SHALL BE EXTERNALLY WRAPPED WITH BLANKET R-6 INSULATION. ALL DUCTWORK AND GRILL TOPS SHALL BE INSULATED AND SEALED TO PREVENT CONDENSATION. EXHAUST DUCTWORK IS NOT REQUIRED TO BE INSULATED. FLEXIBLE DUCT SUPPORTED PROPERLY WITHOUT KINKS IS ACCEPTABLE UP TO 8' IN LENGTH.
10. ALL BRANCH SUPPLY AND RETURN GRILLES SHALL HAVE VOLUME DAMPERS TO BALANCE EACH AIR DEVICE OUTLET. FLEXIBLE DUCTWORK SHALL BE LIMITED TO 8'- 0" PER BRANCH.
11. ALL DUCTWORK ELBOWS AND TEES SHALL HAVE TURNING VANES INSTALLED TO MINIMIZE STATIC PRESSURE DROP.
12. CONFIRM DUCTWORK WILL FIT IN EXISTING CONDITIONS BEFORE FABRICATION. VERIFY ALL EXISTING CONDITIONS AND REUSE DUCTWORK WHERE CALLED OUT. PROVIDE ADDITIONAL DUCTWORK AS REQUIRED.
13. DUCTED SYSTEMS SHALL BE TESTING AND BALANCED TO +/-10% BY AN (AABC) OR (NEBB) CERTIFIED AGENCY. THE CONTRACTOR SHALL PROVIDE A COPY OF THE TEST TO THE OWNER PRIOR TO FINAL WALK THRU.
14. IT SHALL BE THE RESPONSIBILITY OF THIS HVAC CONTRACTOR TO INSTALL THE HEATING, VENTILATION AND AIR CONDITIONING SYSTEMS SO AS TO INSURE QUIET OPERATION. NO VIBRATION OR SOUND SHALL BE TRANSMITTED TO THE BUILDING, STRUCTURE OR OCCUPIED AREAS. THE CONTRACTOR SHALL TAKE FULL RESPONSIBILITY TO CORRECT OR REPLACE ANY NOISY SYSTEM OR EQUIPMENT AS REQUIRED.
15. THE EQUIPMENT LISTED ON PLANS ARE THE BASIS OF DESIGN, EQUAL ALTERNATIVE EQUIPMENT CAN BE USED BUT WILL NEED APPROVED BEFORE BEING ACCEPTED FOR USE.
16. THE CONTRACTOR SHALL GUARANTEE MATERIALS AND WORKMANSHIP FREE OF DEFECT FOR ONE YEAR AFTER DATE OF ACCEPTANCE BY THE OWNER.
17. INSTALL ALL EQUIPMENT AND ACCESSORIES PER THE MANUFACTURER INSTRUCTIONS. IF THERE ARE ANY CONFLICTS BETWEEN THE INSTALLATION INSTRUCTIONS AND THESE PLANS CONTACT THE ARCHITECT FOR CLARIFICATIONS. ALLOW THE MANUFACTURERS RECOMMENDED CLEARANCE AROUND ALL COMPONENTS.

NOMENCLATURE

SUPPLY	
RETURN	
EXHAUST FAN	
THERMOSTAT	T
AVERAGING TEMPERATURE SENSORS	S
HUMIDITY SENSOR	H
CO2 SENSOR	CO2
SMOKE DETECTOR	SD
MOTOR OPERATED DAMPER	
VOLUME DAMPER	
SHUT OFF VALVE	
PRESSURE REGULAR	
INSULATED FLEXIBLE DUCT 10 FEET MAXIMUM LENGTH	
UP THRU ROOF	UTR

EXHAUST FAN SCHEDULE

LABEL (ID)	MAKE	MODEL	CFM	S.P.	VOLTAGE	PH	AMPS	WEIGHT	NOTES
EF-1	PANASONIC	FV-511VKL2	80	0.25"	115	1	9.9 WATTS	8.5 LBS.	SEE NOTE 1, 2

NOTES: 1. PROVIDE BACK DRAFT DAMPER, HANGING ISOLATION KIT, ON BOARD LIGHT AND ALL OTHER NECESSARY ACCESSORIES.
2. PROVIDE W/ PLUG 'N PLAY - FV-MSVK1: MOTION SENSOR AND FV-VS15VK1: MULTI-SPEED W/ TIME DELAY.

SEAL

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL ENGINEER
DAVID T. POSTLETHWAIT
ENGINEER
PE062816
9-30-24

DESIGN PROFESSIONAL:

EVOLUTION BUILDING SERVICES, LLC
PO BOX 6246
LANCASTER, PA 17607
717-203-9751
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ARCHITECT:

MAROTTA/MAIN ARCHITECTS
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PROPOSED RENOVATION TO:

BOYS & GIRLS CLUB OF LANCASTER

JACK WALKER CLUBHOUSE
229 W. LEMON STREET
LANCASTER, PA. 17603

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CHECKED BY: DTP	SCALE: AS NOTED

NUMBER: 2024-002

SHEET NAME: HVAC NOTES & SCHEDULES

SHEET NUMBER

M0.1

GENERAL NOTES

1. COORDINATE ALL HVAC DUCTWORK AND EQUIPMENT WITH FINAL ARCHITECTURAL PLANS, OTHER TRADES AND EXISTING CONDITIONS.
2. BEFORE COMMENCING ANY WORK SURVEY THE EXISTING HVAC SYSTEMS TO VERIFY SIZES AND LOCATIONS. VERIFY ACCURACY AND REPORT ANY ISSUES TO ARCHITECT BEFORE STARTING ANY WORK.
3. REUSE EXISTING HVAC DUCTWORK, BRANCHES AND EXHAUST TERMINATIONS. EXTEND DUCTWORK ABOVE CEILING AS REQUIRED.

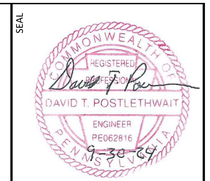
MECHANICAL KEY NOTES:

1. EXISTING EXHAUST FANS TO BE DEMOED. COORDINATE DEMO WITH ELECTRICAL CONTRACTOR. EXISTING EXHAUST DUCTWORK TO REMAIN FOR REUSE. SEE NEW HVAC PLAN FOR NEW EXHAUST SYSTEM.
2. REUSE AND RELOCATE EXISTING SUPPLY DIFFUSER.
3. EXISTING AIR DEVICES AND SYSTEM TO REMAIN AS IS.

FIRST FLOOR - MECHANICAL DEMO PLAN

SCALE: 1/8 = 1'-0"

SEAL:



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NUMBER: 2024-002

SHEET NAME: HVAC DEMO PLAN

SHEET NUMBER: MD1.1

GENERAL NOTES

1. COORDINATE ALL HVAC DUCTWORK AND EQUIPMENT WITH FINAL ARCHITECTURAL PLANS, OTHER TRADES AND EXISTING CONDITIONS.
2. BEFORE COMMENCING ANY WORK SURVEY THE EXISTING HVAC SYSTEMS TO VERIFY SIZES AND LOCATIONS. VERIFY ACCURACY AND REPORT ANY ISSUES TO ARCHITECT BEFORE STARTING ANY WORK.
3. WHERE POSSIBLE REUSE EXISTING HVAC DUCTWORK, BRANCHES AND EXHAUST TERMINATIONS.

MECHANICAL KEY NOTES:

1. PROVIDE AND INSTALL NEW CEILING EXHAUST FAN EF-1. DUCT NEW EXHAUST FAN INTO EXISTING EXHAUST DUCTWORK. NEW EXHAUST FAN TO BE CONTROLLED VIA FACTORY MOTION SENSOR 20 MINUTE DELAY OFF TIMER.
2. NEW LOCATION FOR SUPPLY DIFFUSER.
3. EXISTING AIR DEVICES AND SYSTEM TO REMAIN AS IS.
4. EXISTING EXHAUST FAN TO REMAIN AS IS FOR REUSE.
5. DOOR SHALL BE UNDERCUT FOR PROPER AIRFLOW SEE ARCHITECTURAL PLANS FOR DETAILS.
6. CONNECT NEW DUCTWORK TO EXISTING EXHAUST DUCTWORK MAIN AS REQUIRED.

FIRST FLOOR - NEW MECHANICAL PLAN

SCALE: 1/8 = 1'-0"

SEAL:

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL ENGINEER
DAVID T. POSTLETHWAIT
ENGINEER
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9-30-24

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NUMBER: 2024-002

SHEET NAME: HVAC PLAN

SHEET NUMBER: **M1.1**

RECEPTACLES/FLOORBOXES/POWER POLES

SYMBOL	DESCRIPTION
	120V DUPLEX RECEPTACLE
•	120V DUPLEX RECEPTACLE INSTALLED 8" ABOVE COUNTER
XX"	120V DUPLEX RECEPTACLE MOUNTED AT HEIGHT INDICATED
WP	120V DUPLEX RECEPTACLE - WEATHERPROOF
GF	120V DUPLEX RECEPTACLE W/ GFCI PROTECTION
	120V QUAD RECEPTACLE
	120 VOLT DUPLEX RECEPTACLE - TOP SIDE SWITCHED

FIRE ALARM

	WALL MOUNTED FIRE ALARM VISUAL STROBE
	CEILING MOUNTED FIRE ALARM VISUAL STROBE
S	120V PHOTOELECTRIC SMOKE DETECTOR W/ SOUNDER BASE
S	PHOTOELECTRIC SMOKE DETECTOR - CEILING MOUNTED
	SMOKE & CARBON MONOXIDE DETECTOR
H	HEAT DETECTOR
D	DUCT SMOKE DETECTOR
FA	FIRE ALARM AUDIO DEVICE
F	FIRE AUDIO/VISUAL DEVICE
F	MANUAL PULL STATION
• FS	SPRINKLER FLOW SWITCH
• TS	SPRINKLER TAMPER SWITCH

POWER DISTRIBUTION AND CONTROL

	FUSED DISCONNECT SWITCH
S_T	MANUAL MOTOR STARTING SWITCH WITH THERMAL OVERLOAD DEVICE
	COMBINATION STARTER AND DISCONNECT SWITCH
	MOTOR
	PANELBOARD, AS SPECIFIED
	JUNCTION BOX
	METER

SWITCHING

S	SINGLE POLE SWITCH
S_3	THREE - WAY SWITCH
S_4	FOUR - WAY SWITCH
S_D	SINGLE POLE DIMMER SWITCH
S_{OCC}	0-10V DIMMER SWITCH W/OCCUPANCY SENSOR
S_{PC}	LUTRON PICO WIRELESS SWITCH
S_{PKD}	LUTRON PICO WIRELESS DIMMER SWITCH
S_{MS}	SPST SWITCH W/ OCCUPANCY SENSOR
MS	CEILING MOUNTED MOTION/ VACANCY SENSOR
PC	PHOTOCELL
PP	CEILING MOUNTED POWER PACK
PP 0-10	CEILING MOUNTED POWER PACK W/0-10V DIMMING

LIGHTING

	FLOOD OR SPOT LUMINAIRE
	SINGLE HEAD FLOODLIGHT - EMERGENCY ONLY
	DUAL HEAD FLOODLIGHT - EMERGENCY ONLY
	EXIT SIGN
	COMBINATION EXIT/BATTERY/HEAD UNIT
	EMERGENCY BATTERY PACK W/ HEADS
	FLUORESCENT LUMINAIRE - SINGLE CIRCUIT
	FLUORESCENT STRIP FIXTURE
EF	EXHAUST FAN
EF/L	EXHAUST FAN/LIGHT COMBINATION FIXTURE

ELECTRICAL SPECIFICATIONS

PART I - SCOPE

A. THE WORK UNDER THIS SECTION SHALL CONSIST OF THE MATERIAL, LABOR, TOOLS, AND EQUIPMENT REQUIRED TO COMPLETE THE ELECTRICAL WORK FOR THIS PROJECT. THE WORK SHALL CONSIST OF THE FURNISHING, INSTALLING AND CONNECTIONS OF THE SYSTEMS OR ITEMS LISTED IN THIS SECTION OR SHOWN ON THE DRAWINGS.

PART II - DEFINITION

A. WHEREVER THE TERM, "THIS CONTRACTOR" IS USED IN THE SPECIFICATIONS, IT SHALL BE INTERPRETED TO REFER TO THE CONTRACTOR RESPONSIBLE FOR THE WORK DESCRIBED IN THE ELECTRICAL SECTION OF THESE SPECIFICATIONS.

PART III - REFERENCE STANDARDS

A. THE WORKMANSHIP, MATERIAL AND EQUIPMENT SHALL MEET THE REQUIREMENTS OF THE FOLLOWING:
A. NATIONAL FIRE PROTECTION ASSOCIATION
B. NATIONAL ELECTRICAL CODE 2017
C. IECC 2018
D. UNDERWRITERS LABORATORIES, INC.
E. LOCAL MUNICIPAL CODES
F. LOCAL TOWNSHIP CODE
G. REQUIREMENTS OF THE POWER COMPANY HAVING JURISDICTION
H. OTHER PUBLIC UTILITIES SERVING THIS PROJECT
B. ALL MATERIAL SHALL BE NEW AND WITHOUT IMPERFECTIONS OR BLEMISHES AND SHALL BE PROTECTED FROM THE ELEMENTS PRIOR TO INSTALLATION.
C. THE DRAWINGS ARE A GENERAL INDICATION OF THE WORK TO BE INSTALLED, BUT DO NOT INDICATE ALL BENDS, FITTINGS, BOXES, ETC. AS MAY BE REQUIRED TO FACILITATE THE PULLING OF WIRES.
D. ALL WORK SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER.

PART IV - BASIC MATERIALS

A. ALL WIRE AND CABLE SHALL BE AS FOLLOWS:
A. MINIMUM SIZE #12 AWG, UNLESS OTHERWISE SPECIFIED
B. SIZES #8 AWG AND LARGER SHALL BE STRANDED.
C. U.L. LISTED
D. MINIMUM SIZE OF #14 AWG FOR CONTROL WIRING, EXCEPT 24 VOLTS AND BELOW
E. MINIMUM SIZE OF #14 AWG IN FLEXIBLE METAL CONDUIT FOR FINAL CONNECTIONS TO RECESSED LIGHTING FIXTURES
F. 15 & 20-AMP CONDUCTORS SHALL BE SIZED FOR 60C TERMINATIONS. 30-AMP AND ABOVE CONDUCTORS SHALL BE SIZED FOR 75C TERMINATIONS.
G. ALL NM CABLE AND SER CABLE SHALL BE SIZED FOR 60C TERMINATIONS.

B. TYPE OF WIRING
A. ALL BRANCH WIRING SHALL BE IN MC, NM CABLE OR CONDUIT.
B. ELECTRICAL SERVICE AND UNDERFLOOR CONDUITS MAY BE PVC OR PLASTIC CONCRETE ENCASED CONDUIT.
C. BRANCH CIRCUITS SHALL BE SIZED AS FOLLOWS:

I. 15-AMP CIRCUITS SHALL USE #14 THHN/THWN CONDUCTORS
II. 20-AMP CIRCUITS SHALL USE #12 THHN/THWN CONDUCTORS
III. 30-AMP CIRCUITS SHALL USE #10 THHN /THWN CONDUCTORS
IV. 40 & 50-AMP CIRCUITS SHALL USE #8 THHN/THWN CONDUCTORS
V. 60-AMP CIRCUITS SHALL USE #6 THHN/THWN CONDUCTOR

C. BOXES FOR WIRING DEVICES
A. METAL OR PLASTIC BOXES SHALL BE USED.

D. WIRING DEVICES
A. UNLESS OTHERWISE NOTED, ALL DEVICES AND WALLPLATES SHALL BE STANDARD-STYLE, GENERAL DUTY, AND WHITE IN FINISH.
B. A 20 AMP, 120 VOLT COMMERCIAL-GRADE, DEVICE SHALL BE INSTALLED AT EACH SWITCHING OUTLET SHOWN ON THE DRAWINGS. THE HEIGHT OF THE SWITCHES THROUGHOUT THE BUILDING SHALL BE 42" TO CENTER.
C. A 20 AMP, 125 VOLT, SIDE OR BACK-WIRED WITH BREAK-OFF SHUNT, COMMERCIAL-GRADE, DUPLEX RECEPTACLE SHALL BE INSTALLED IN EACH OUTLET SHOWN ON THE DRAWINGS. THE RECEPTACLE SHALL BE GROUNDED. UNLESS NOTED OTHERWISE, THE HEIGHT OF THE RECEPTACLES SHALL BE AS FOLLOWS:

I. 18" TO CENTER - FINISHED AREAS
II. 44" TO CENTER - REST ROOM AREAS
III. 18" TO CENTER - UNFINISHED AREAS
IV. 42" TO CENTER - WALL PHONES

D. ALL OUTSIDE RECEPTACLES SHALL BE GFI PROTECTED WITH WEATHERPROOF IN-USE COVERS AND BE RATED FOR WEATHER RESISTANT (MARKED WR ON THE FACE).
I. AN OUTSIDE RECEPTACLE SHALL BE INSTALLED WITHIN 25' OF ALL OUTDOOR HVAC EQUIPMENT.
II. ALL IN-USE COVERS TO BE LISTED AND IDENTIFIED AS "EXTRA-DUTY" RATED.
E. RECEPTACLES FOR SELF-SERVICE APPLIANCES/EQUIPMENT SHALL BE MOUNTED LOWER THAN 48" ABOVE THE FINISHED FLOOR.
F. WATER COOLER RECEPTACLES SHALL BE GFI PROTECTED.
G. ALL GFCI DEVICES SHALL BE READILY ACCESSIBLE AREAS PER NEC 422.5.

H. OCCUPANCY SENSOR POWER PACKS ARE TO BE WIRED PRIOR TO ANY LOCAL SWITCHING OR DIMMING.

PART V - TEMPORARY ELECTRIC AND LIGHTING

A. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR CORD PROTECTION FOR THEIR EMPLOYEES WHERE NEW BUILDING RECEPTACLES ARE USED FOR POWER. THIS SHALL BE DONE WITH GFI PROTECTION OR AN OSHA APPROVED EQUIPMENT ASSURED GROUNDING CONDUCTOR PROGRAM.
B. TEMPORARY LIGHTING SHALL BE PROVIDED AS PER CONTRACT DOCUMENTS.

PART VI - LIGHTING FIXTURE SPECIFICATIONS

A. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL LIGHTING FIXTURES ACCORDING TO THE LAYOUT INDICATED ON THE DRAWINGS.
B. FIXTURES SHALL BE EQUIPPED WITH ALL COMPONENTS INCLUDING HOUSINGS, TRIMS, BALLASTS, SOCKETS AND HANGERS AS REQUIRED TO MAKE EACH UNIT COMPLETE.
C. THERMAL CUTOUTS SHALL BE PROVIDED IN ALL LIGHTING FIXTURES WHERE REQUIRED BY THE NATIONAL ELECTRICAL CODE.
D. THE FIXTURE SHALL BE EQUIPPED WITH LAMPS THAT ARE RECOMMENDED BY THE MANUFACTURER. LAMPS SHALL BE MANUFACTURED BY GENERAL ELECTRIC, PHILIPS, SYLVANIA OR EQUAL.
E. LIGHTING FIXTURES WHICH ARE INSTALLED IN SUSPENDED CEILINGS SHALL HAVE ADEQUATE SUPPORT WIRES AROUND THE FIXTURE. THE CEILING INSTALLER SHALL FURNISH TWO SUPPORT WIRES FOR EACH FLUORESCENT OR LINEAR LIGHT FIXTURE. ONE SUPPORT WIRE SHALL BE FURNISHED FOR DOWNLIGHT TYPE FIXTURES.
F. WHERE LIGHTING FIXTURES ARE INSTALLED IN FIRE RATED CEILINGS, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO INSTALL PROPER TENTS AND/OR BOXES AROUND THE FIXTURES SO AS TO MAINTAIN SUFFICIENT FIRE RATINGS.
G. WHERE RECESSED FIXTURES WITH THERMAL PROTECTION ARE INSTALLED IN CEILINGS WITH INSULATION, IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INSTALL SUPPORTS AROUND THE FIXTURES TO KEEP THE INSULATION 3" AWAY FROM THE FIXTURE.
H. EXIT SIGNS AT DOORWAYS SHALL BE CENTERED OVER THE DOOR AND MOUNTED JUST ABOVE THE DOOR HEADER. IF THERE IS NOT ADEQUATE WALL SPACE ABOVE THE DOOR, THE EXIT SIGN MAY BE MOUNTED FROM THE CEILING.
I. EXIT SIGNS AND EMERGENCY LIGHTING SHALL BE CONNECTED TO THE LOCAL LIGHTING CIRCUIT PRIOR TO ANY SWITCHING.

PART V11 - EQUIPMENT BACKBOARD INSTALLATION

A. INSTALLATION OF PLYWOOD REQUIRED FOR THE MOUNTING OF SERVICE EQUIPMENT AND OTHER ELECTRICAL ITEMS SHALL BE SUPPLIED, INSTALLED AND PAINTED BY THE GENERAL CONTRACTOR.

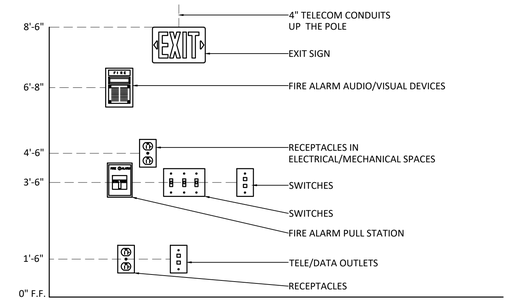
PART VIII - CIRCUIT BREAKER IDENTIFICATION

A. THIS CONTRACTOR SHALL FURNISH AND INSTALL TYPED CIRCUIT DIRECTORIES IN ALL OF THE ELECTRICAL PANELS.
B. SERVICE EQUIPMENT IN OTHER THAN DWELLING UNITS SHALL BE LEGIBLY AND INDELIBLY MARKED IN THE FIELD WITH MAXIMUM AVAILABLE FAULT CURRENT. THE FIELD MARKING(S) SHALL INCLUDE THE DATE THE FAULT CURRENT CALCULATION WAS PERFORMED AND BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED.
C. ELECTRICAL EQUIPMENT, SUCH AS SWITCHBOARDS, SWITCHGEAR, PANELBOARDS, INDUSTRIAL CONTROL PANELS, METER SOCKET ENCLOSURES, AND MOTOR CONTROL CENTERS, THAT ARE IN OTHER THAN DWELLING UNITS AND ARE LIKELY TO REQUIRE EXAMINATION, ADJUSTMENT SERVICING, OR MAINTENANCE WHILE ENERGIZED, SHALL BE FIELD OR FACTORY MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ARC FLASH HAZARDS. THE MARKING SHALL MEET THE REQUIREMENTS IN NEC 110.21(B) AND SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF EQUIPMENT.

PART IX - GENERAL NOTES

A. ALL PIPING, INCLUDING WATER PIPING, SPRINKLER PIPING, GAS PIPING, ETC. AND ALL DUCT WORK SHALL NOT BE INSTALLED OVER TOP OF ANY ELECTRICAL PANELS OR SWITCHBOARD.
B. FIRE WALLS THAT ARE PENETRATED AS PART OF THE ELECTRICAL WORK SHALL BE RESTORED TO THE FIRE RATING.
C. LISTED AND LABELING STATEMENTS ARE TO BE INCLUDED WITH ALL SUBMITTALS. THIS IS TO INDICATE ALL EQUIPMENT AND MATERIALS USED, WHERE POSSIBLE, WILL BE LISTED BY A RECOGNIZED TESTING AGENCY SUCH AS UL.

NOTE: BEFORE WIRING VERIFY ACTUAL EQUIPMENT LOADS MATCH PLANS. IF THERE ARE ANY CHANGES THE CONTRACTOR IS RESPONSIBLE TO RESIZE AND MEET THE EQUIPMENT LOAD AND CODE REQUIREMENTS.



NOTES:
1. DEVICES SHALL BE INSTALLED ON A COMMON VERTICAL CENTERLINE WHEREVER POSSIBLE.
2. ELECTRICAL RECEPTACLES SHALL BE MOUNTED A MINIMUM OF 15" TO THE BOTTOM OF THE RECEPTACLE.
3. ELECTRICAL SWITCHES SHALL BE MOUNTED A MAXIMUM OF 48" TO THE TOP OF THE SWITCH.
4. COUNTERTOP ELECTRICAL RECEPTACLES SHALL BE MOUNTED A MAXIMUM OF 44" TO THE TOP OF THE RECEPTACLE.
5. CIRCUIT BREAKERS, DISCONNECT SWITCHES, ETC. SHALL BE INSTALLED SO THAT THE CENTER OF THE GRIP OF THE OPERATING HANDLE IN IT'S HIGHEST POSITION IS NOT MORE THAN 6'-7" A.F.F.
6. MOUNT VISIBLE FIRE ALARM DEVICES WITH THE LENS OF THE STROBE NOT LESS THAN 80" AND NOT GREATER THAN 96" A.F.F. WALL-MOUNTED VISIBLE FIRE ALARM DEVICES SHALL NOT BE WITHIN 6" OF THE CEILING.
7. MOUNT EXIT SIGNS ABOVE DOORS WITH 2" BETWEEN BOTTOM OF THE EXIT SIGN AND THE TOP OF THE DOOR.
8. THE MOUNTING HEIGHTS SHOWN ARE GENERALLY DIMENSIONED TO THE MID-LINE OF A GIVEN DEVICE. EXACT DEVICE MOUNTING HEIGHTS SHALL BE WITHIN THE SPECIFIC REACH LIMITS SPECIFIED IN THE LATEST REVISION OF THE ADA GUIDELINES AND THE LATEST REVISION OF ICC/ANSI A117.1, SPECIFICALLY FIRE ALARM DEVICES, CONTROLS, OPERATING MECHANISMS AND HARDWARE, INCLUDING RECEPTACLES AND SWITCHES THAT CONTROL LIGHTING, VENTILATION, ETC.
9. THIS DETAIL IS MEANT AS A GENERAL GUIDE. ALL FINAL MOUNTING HEIGHTS SHALL BE INSTALLED PER ARCHITECTURAL DRAWINGS AND ADOPTED CODES.

TYPICAL DEVICE MOUNTING HEIGHTS
SCALE: N.T.S.

LIGHTING FIXTURE SCHEDULE

SYMBOL	TYPE	DESCRIPTION	MANUFACTURER	MODEL NO.	LAMPING	VOLT	COMMENTS
	F1	1X4 LED FLAT PANEL	LITHONIA	CPANL 1X4	20W 2400 LUMENS	120V-277V	OR SIMILAR
	F2	2X4 LED FLAT PANEL	LITHONIA	CPANL 2X4	32W 4000 LUMENS	120V-277V	OR SIMILAR
	F3	2X2 LED FLAT PANEL	LITHONIA	CPANL 2X2	20W 2400 LUMENS	120V-277V	OR SIMILAR

NOTES:
THE FIXTURES ABOVE ARE BASIS OF DESIGN. ALTERNATES ARE ACCEPTED BUT MUST BE APPROVED.

EXIT SIGNS AND EM LIGHTS TO BE TIE IN TO THE LOCAL LIGHTING CIRCUIT FEEDING THAT AREA
OC = OCCUPANCY SENSOR ON LIGHT FIXTURE NL = NIGHT LIGHT (24 HOUR) AFF = ABOVE FINISHED FLOOR PC = PHOTO CELL MS = MOTION SENSOR
(MS) = CEILING MOTION SENSOR

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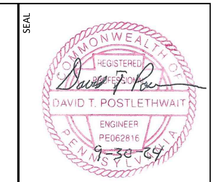

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NUMBER: 2024-002

SHEET NAME: ELECTRICAL NOTES & SCHEDULES

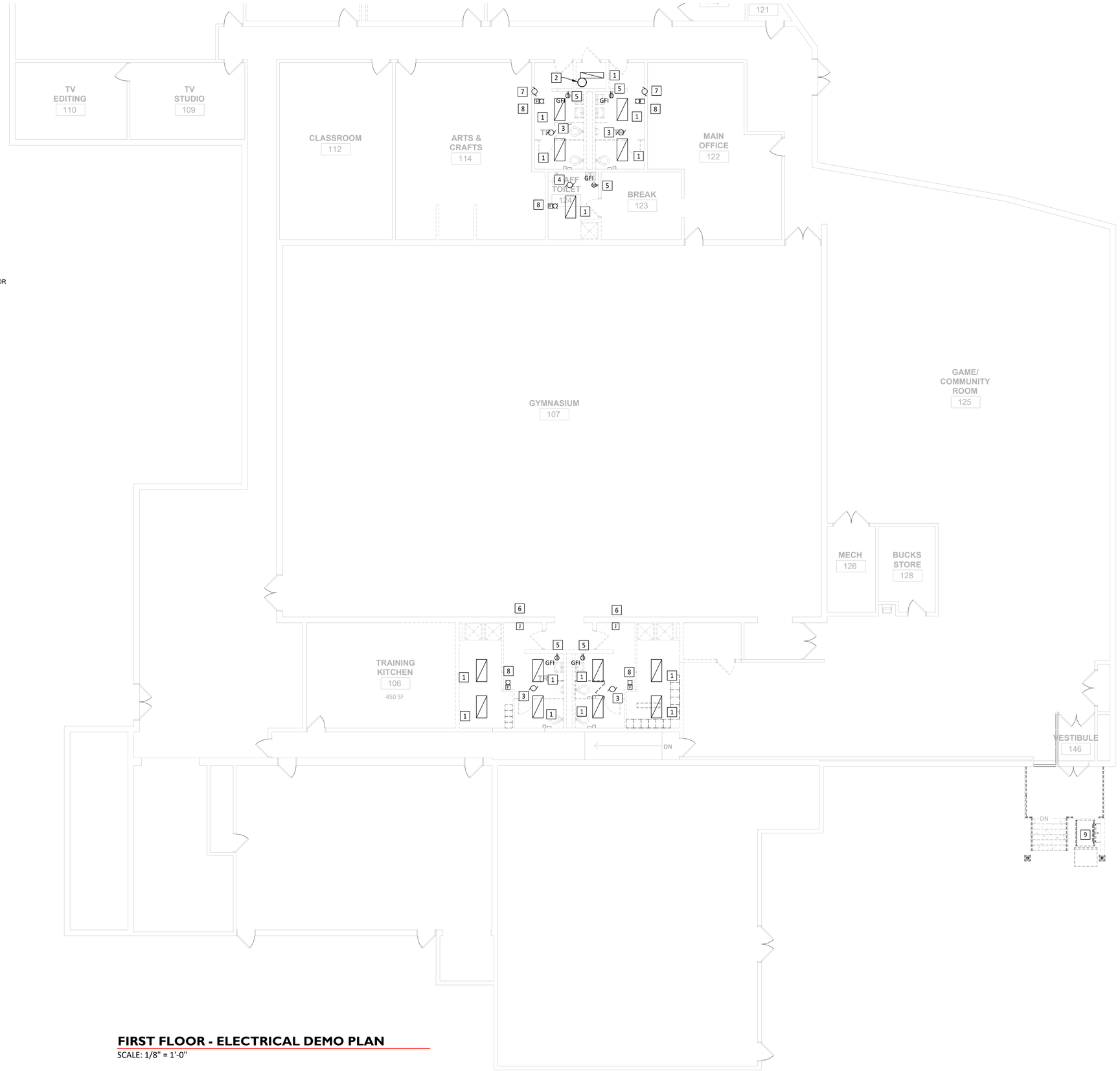
SHEET NUMBER: **E0.I**

GENERAL NOTES

1. BEFORE COMMENCING ANY WORK SURVEY THE EXISTING ELECTRICAL SYSTEMS AND CIRCUITS. REPORT ANY ISSUES TO ARCHITECT BEFORE STARTING ANY WORK.
2. ELECTRICAL PORTION OF RENOVATION MOSTLY CONSISTS OF NEW LIGHTING FIXTURES AND THE RELOCATION OF EXISTING RECEPTACLES. REUSE AND EXTEND EXISTING CIRCUITS TO FEED THE ALTERATIONS DEPICTED.

DEMO KEY NOTES:

1. DEMO EXISTING LIGHT FIXTURE. MAKE SAFE & KEEP EXISTING CIRCUIT WIRING INTACT FOR CONNECTION TO NEW LIGHTING.
2. DISCONNECT EXISTING WATER HEATER. EXTEND / REUSE CIRCUIT TO NEW WATER HEATER LOCATION. SEE NEW ELECTRICAL PLAN FOR NEW LOCATION.
3. DEMO EXISTING CEILING EXHAUST FAN. COORDINATE WORK WITH HVAC CONTRACTOR. MAKE SAFE & KEEP EXISTING CIRCUIT WIRING INTACT FOR CONNECTION TO NEW EXHAUST FAN.
4. DEMO EXISTING CEILING EXHAUST FAN. COORDINATE WORK WITH HVAC CONTRACTOR. MAKE SAFE & KEEP EXISTING CIRCUIT WIRING INTACT FOR CONNECTION TO NEW EXHAUST FAN.
5. DEMO EXISTING RECEPTACLES. MAKE SAFE & KEEP EXISTING CIRCUIT WIRING INTACT FOR CONNECTION TO NEW RECEPTACLES.
6. DEMO EXISTING WALL HEATERS. REMOVE ANY WIRING AND BREAKERS NOT NEEDING TO REMAIN. MAKE SAFE ANY WIRING THAT NEEDS TO REMAIN.
7. DEMO EXISTING HAND DRYERS. MAKE SAFE & KEEP EXISTING CIRCUIT WIRING INTACT FOR CONNECTION TO NEW HAND DRYERS.
8. RELOCATE EXISTING FIRE ALARM STROBES AS REQUIRED PER CODE.
9. MAKE SAFE AND REMOVE/DEMO DISCONNECT, WIRING & ALL OTHER ELECTRICAL DEVICES SERVING EXISTING ADA WHEELCHAIR LIFT.



FIRST FLOOR - ELECTRICAL DEMO PLAN

SCALE: 1/8" = 1'-0"

SEAL:

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL ENGINEER
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SHEET NAME: ELECTRICAL DEMO PLAN

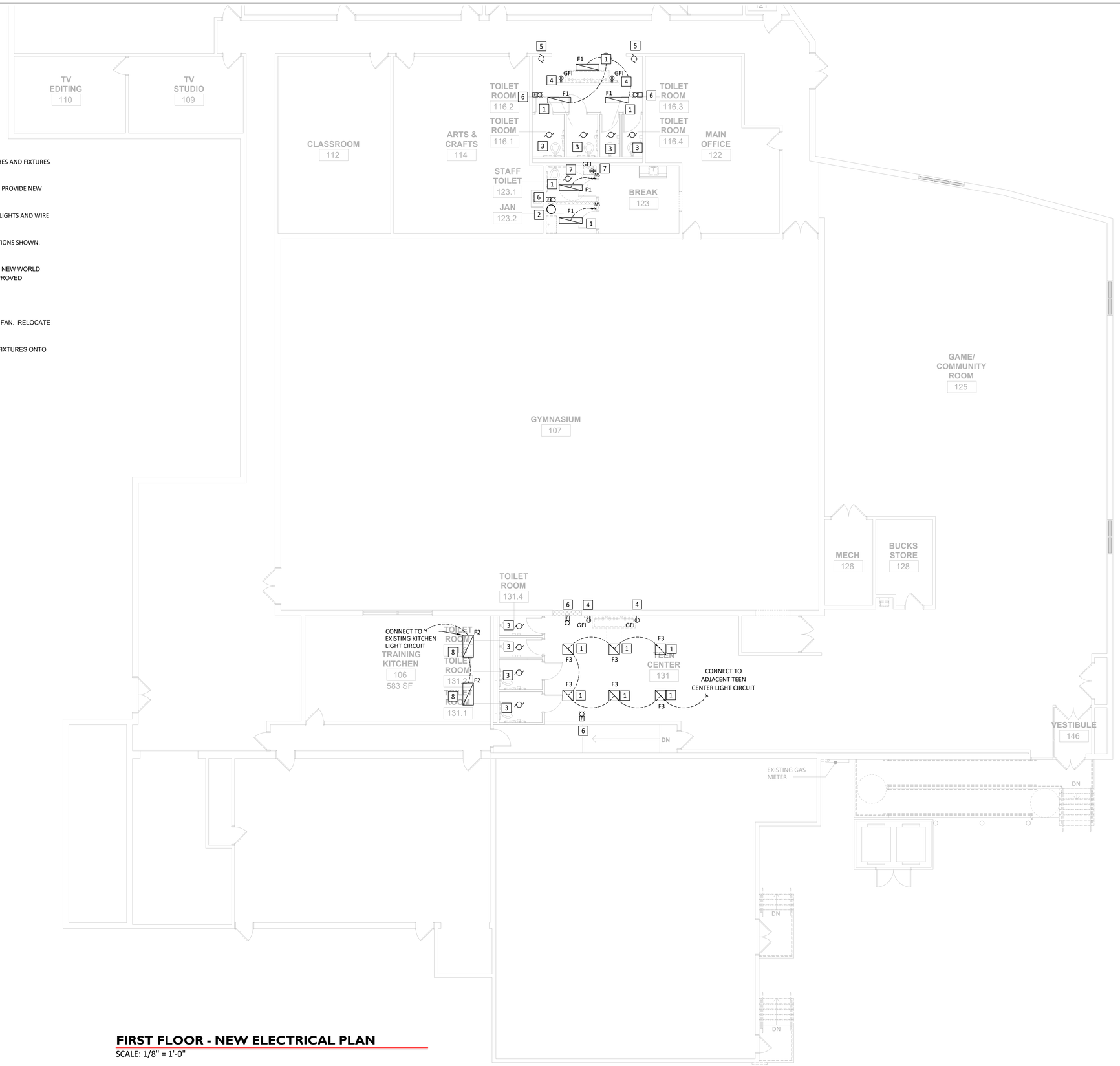
SHEET NUMBER: **ED1.1**

GENERAL NOTES

1. BEFORE COMMENCING ANY WORK SURVEY THE EXISTING ELECTRICAL SYSTEMS AND CIRCUITS. REPORT ANY ISSUES TO ARCHITECT BEFORE STARTING ANY WORK.
2. ELECTRICAL PORTION OF RENOVATION MOSTLY CONSISTS OF NEW LIGHTING FIXTURES AND THE RELOCATION OF EXISTING RECEPTACLES. REUSE AND EXTEND EXISTING CIRCUITS TO FEED THE ALTERATIONS DEPICTED.

KEY NOTES:

1. REUSE AND EXTEND EXISTING LIGHT CIRCUITS AND PROVIDE WITH NEW SWITCHES AND FIXTURES AS SHOWN.
2. EXTEND EXISTING WATER HEATER CIRCUIT WIRING TO NEW LOCATION SHOWN. PROVIDE NEW DISCONNECT AT WATER HEATER.
3. REUSE AND EXTEND EXISTING EXHAUST FAN & LIGHTING WIRING TO NEW FAN/LIGHTS AND WIRE AS REQUIRED.
4. REUSE AND EXTEND EXISTING RECEPTACLE WIRING TO NEW RECEPTACLE LOCATIONS SHOWN. PROVIDE NEW GFI RECEPTACLES.
5. REUSE AND EXTEND EXISTING WIRING FOR NEW HAND DRYERS. PROVIDE NEW WORLD DRYER MODEL XA5-974 115V, 20 AMP W/ WHITE CAST IRON COVER OR APPROVED ALTERNATE.
6. RELOCATE EXISTING FIRE ALARM STROBES AS REQUIRED PER CODE.
7. REUSE EXISTING EXHAUST FAN WIRING AND CONNECT TO NEW EXHAUST FAN. RELOCATE EXISTING REUSED GFI RECEPTACLE AS REQUIRED.
8. NEW LIGHTING FIXTURE TO MATCH EXISTING IN KITCHEN AREA. TIE NEW FIXTURES ONTO EXISTING LIGHTING CIRCUIT IN KITCHEN.



FIRST FLOOR - NEW ELECTRICAL PLAN

SCALE: 1/8" = 1'-0"

SEAL

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL ENGINEER
DAVID T. POSTLETHWAIT
ENGINEER
PE062816
9-30-24

DESIGN PROFESSIONAL:

EVOLUTION BUILDING SERVICES, LLC
PO BOX 6246
LANCASTER, PA 17607
717-203-9751
toddmepdesign@comcast.net

ARCHITECT:

MAROTTA/MAIN ARCHITECTS
WWW.MAROTTAMAIN.COM

PROPOSED RENOVATION TO:

BOYS & GIRLS CLUB OF LANCASTER

JACK WALKER CLUBHOUSE
229 W. LEMON STREET
LANCASTER, PA. 17603

REVISIONS	DATE
A	
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M	

DRAWN BY: DTP	DATE: 09-30-24
CHECKED BY: DTP	SCALE: AS NOTED

NUMBER: 2024-002

SHEET NAME: ELECTRICAL PLAN

SHEET NUMBER: E1.1