ACT	ACOUSTICAL CEILING TILE
AD	AREA DRAIN
ADD	ADDENDUM
ADDL	ADDITIONAL
ADJ	ADJACENT
ADMIN	ADMINISTRATIVE
AFF	ABOVE FINISH FLOOR
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
ARCH	ARCHITECTURAL
AUTO	AUTOMATIC
BD	BOARD
BFE	BOTTOM OF FOOTING ELEVATION
BIT	BITUMINOUS
BKT	BRACKET
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
BOH	BACK OF HOUSE
BOT	BOTTOM
BRG	BEARING
CAB	CABINET
CG	CORNER GUARD
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
COL	COLUMN
CONC	CONCRETE
COORD	COORDINATION
CORR	CORRIDOR
CPT	CARPET
CT	CERAMIC TILE
CTB	CERAMIC TILE BASE
CTR	CENTER
CW	CURTAINWALL
DEMO	DEMOLISH
DEPT	DEPARTMENT
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIFF	DIFFUSER
DIM	DIMENSION
DIV	DIVISION
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DTL	DETAIL
DWG	DRAWING

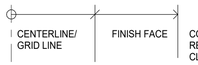
EF	EXHAUST FAN
EIFS	EXTERIOR INSULATION & FINISH SYSTEM
EJT	EXPANSION JOINT
ELEC	ELECTRIC
ELEV	ELEVATOR
EQ	EQUAL
EQUIP	EQUIPMENT
BIT	BITUMINOUS
EXP	EXPANSION
EXT	EXTERIOR
FA	FIRE ALARM
FD	FLOOR DRAIN
FDN	FOUNDATION
FDV	FIRE DEPARTMENT VALVE
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR
FIN	FINISH
FL	FLOOR
FLEX	FLEXIBLE
FLUOR	FLUORESCENT
FO	FACE OF
FP	FIRE PROOFING
FRMG	FRAMING
FS	FLOOR SINK
FSTOP	FIRE STOPPING
FT	FEET
FURR	FURRING
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GBM	GRADE BEAM
GC	GENERAL CONTRACTOR
GEN	GENERAL
GL	GLASS
GRL	GUARD RAIL
GYP	GYPSUM
GWB	GYPSUM WALL BOARD
HB	HOSE BIB
HDR	HEADER
HDWR	HARDWARE
HM	HOLLOW METAL
HR	HOUR
HRL	HAND RAIL
HORIZ	HORIZONTAL
HT	HEIGHT
HTR	HEATER
HVAC	
HW	HOT WATER
HWD	HARDWOOD

INT	INTERIOR
JAN	JANITORIAL
JB	JUNCTION BOX
JT	JOINT
KO	KNOCK-OUT
KB	KNOX BOX
L	L-ANGLE
LAV	LAVATORY
LB	POUND
LCD	LINEAR CLNG DIFFUSER
LF	LINEAR FEET
LIN	LINEAR
LOC	LOCATION OR LOCATE
LPT	LOW POINT
LT	LIGHT
LTNG	LIGHTING
LVR	LOUVER
MAN	MANUAL
MAT	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MRMB	MEMBRANE
MET	METAL
MEZZ	MEZZANINE
MNFR	MANUFACTURER
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MONO	MONOLITHIC
MTD	MOUNTED
MULL	MULLION
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO	NUMBER
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE
OC	ON CENTER
OCC	OCCUPANCY
OD	OUTSIDE DIAMETER
OFF	OFFICE
OH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
ORD	OVERFLOW ROOF DRAIN

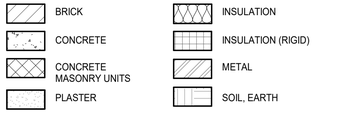
P	PAINT
PB	PUSH BUTTON
PC	PRECAST CONCRETE
PL	PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLMG	PLUMBING
PLT	PLATE
PLYWD	PLYWOOD
PNL	PANEL
POE	POWER OVER ETHERNET
PT	PORCELAIN TILE
PTD	PAINTED
PRELIM	PRELIMINARY
PRIM	PRIMARY
PROJ	PROJECTOR
PRTN	PARTITION
PVC	POLYVINYL CHLORIDE
QT	QUARRY TILE
QTB	QUARRY TILE BASE
R	RADIUS
RA	RETURN AIR
RB	RESILIENT BASE
RD	ROOF DRAIN
REC	RECEPTACLE
RM	ROOM
REC	RECESSED
REF	REFRIGERATOR
REG	REGISTER
REINF	REINFORCED
REQD	REQUIRED
RET	RETAINING
REV	REVISION
RF	RESILIENT FLOORING
RO	ROUGH OPENING
RWC	RAIN WATER CONDUCTOR
SCHED	SCHEDULE
SD	SMOKE DAMPER
SECT	SECTION
SF	STOREFRONT
SF	SQUARE FEET
SHT	SHEET
SHTNG	SHEATHING
SIM	SIMILAR
SLV	SLEEVE
SM	SURFACE MOUNTED
SOG	SLAB ON GRADE
SPEC	SPECIFICATION
SQ	SQUARE

SS	SOLID SURFACE
SSTL	STAINLESS STEEL
STC	SOUND TRANSMISSION COEFFICIENT
STD	STANDARD
STL	STEEL
STRUC	STRUCTURAL
SUSP	SUSPENDED
SWD	SOFTWOOD
SYM	SYMMETRICAL
TEL	TELEPHONE
TEMP	TEMPERED
TER	TERRAZZO
T&G	TONGUE & GROOVE
TI	TENANT IMPROVEMENT
TLT	TOILET
TO	TOP OF
TR	TREAD
TRFX	TRANSFORMER
TS	TUBE STEEL
TYP	TYPICAL
UC	UNDERCUT
UNO	UNLESS NOTED OTHERWISE
UTIL	UTILITY
VCT	VINYL COMPOSITION TILE
VENT	VENTILATION
VER	VERIFY IN FIELD
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VR	VAPOR RETARDER
W	WITH
WC	WATER CLOSET
WD	WOOD
WDW	WINDOW
WH	WATER HEATER
W/O	WITHOUT
WP	WATERPROOF
WR	WASTE RECEPTACLE
WS	WEATHER STRIPPING
WSCT	WAINSCOT

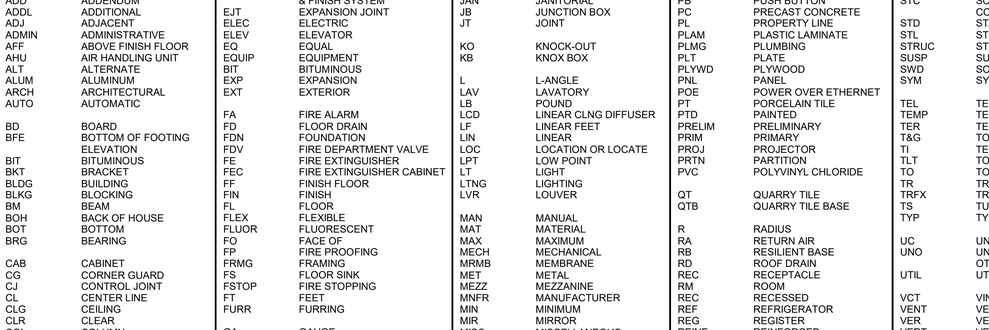
DIMENSIONING SYSTEM



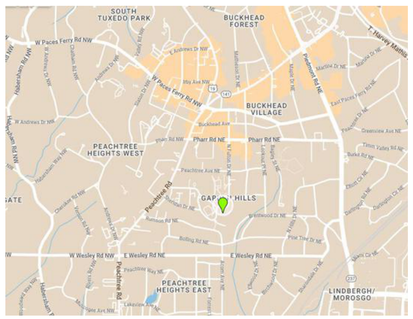
MATERIALS



GRAPHIC SYMBOLS

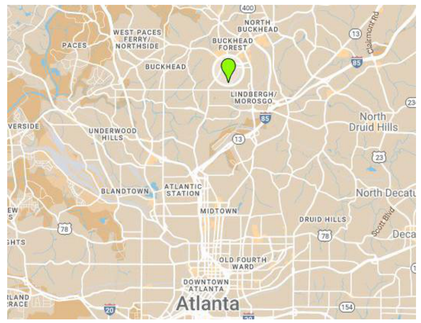


VICINITY MAP



NOT TO SCALE

LOCATION MAP



NOT TO SCALE

GARDEN HILLS ELEMENTARY SCHOOL FIELD HOUSE

285 SHERIDAN DRIVE ATLANTA, GA 30305

PROJECT CONTACTS

OWNER

Atlanta Public Schools
PM: Joseph Brew
1631 LaFrance Street NE
Atlanta, GA 30307
Joseph.Brew@atlanta.k12.ga.us
404-513-7873

OWNER'S REP.

Mandi Gibson (President)
Acorns to Oaks
2870 Peachtree Rd, #356
Atlanta, GA 30305
gibson.mandi@gmail.com
404-536-6015

ARCHITECT

Stiliani (Stella) Kastritsos Osborn
Shelter by Design LLC
404-556-0654
stella@shelterxdesign.com

STRUCTURAL ENGINEER

Savannah Saltiel, PE
Skywark Engineering
3855 Shallowford Rd, Suite 620
Marietta, GA 30062
770-641-9219
savannah@skywarkengineering.com

MEP ENGINEERS

MBA Consulting Engineers
225 Reformation Pkwy, Suite 200
Canton, GA 30114
770-751-0773
michael@mathesonball.com

CURRENT CODES - CITY OF ATLANTA

International Building Code	2018 Edition with Georgia Amendments (2020)
International Fire Code	2018 Edition with Georgia Amendments (2020)
International Plumbing Code	2018 Edition with Georgia Amendments (2020)
International Mechanical Code	2018 Edition with Georgia Amendments (2020)
International Fuel Gas Code	2018 Edition with Georgia Amendments (2020)
National Electrical Code	2020 Edition with no Georgia Amendments
International Energy Conservation Code	2015 Edition with Georgia Supplements and Amendments (2020)
National Fire Protection Association	2018 NFPA 101- Life Safety code with Georgia Amendments (2020)
Georgia Accessibility Standards	2010 Georgia Accessibility Code 120-3-20

SCOPE OF WORK:
Build a new Accessory 1-story Structure to house 1 Equipment Storage Room and 2 Supplementary Restrooms (existing main building is E use, an Elementary School).

DRAWING LIST

SHEET NUMBER	SHEET NAME
G-001	COVER SHEET
G-010	LIFE SAFETY
A-000	REFERENCE SITE PLAN
A-101	FLOOR PLAN & RCP
A-141	ROOF PLAN
A-201	EXTERIOR ELEVATIONS
A-301	BUILDING SECTIONS
A-310	WALL SECTIONS
A-390	WALL TYPES
A-401	ENLARGED PLANS & ACCESSORIES
A-601	OPENING SCHEDULES & H, J, S DETAILS

DRAWING LIST

SHEET NUMBER	SHEET NAME
S-0	STRUCTURAL DESIGN NOTES
S-1	FOUNDATION PLAN
S-2	CEILING & ROOF FRAMING PLANS
SD-1	STRUCTURAL DETAILS
M-101	HVAC - OVERALL PLAN
M-201	HVAC - SPECIFICATIONS
P-101	PLUMBING LEGEND, SPECS, SCHEDULES & DETAILS
P-102	PLUMBING PLANS & DETAILS
E-101	ELECTRICAL FLOOR PLAN
E-102	ELECTRICAL RISER DIAGRAM & SCHEDULES

AREA INFORMATION

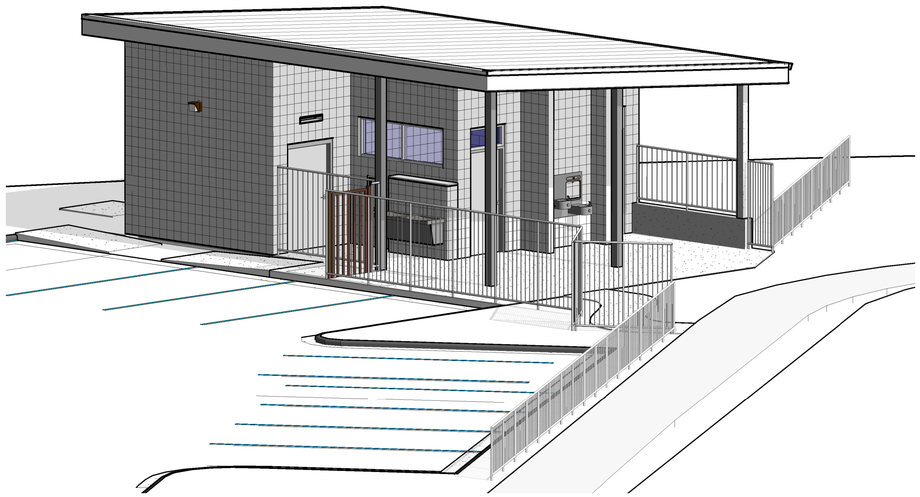
PROPERTY ADDRESS: 285 SHERIDAN DRIVE, ATLANTA, GA 30305
ZONING: R-4

EXISTING LOT SIZE: 9.55 ACRES (PER OWNER PROVIDED SURVEY)

EXISTING BUILDING: 70,015 SF (PER OWNER PROVIDED DRAWINGS)

PROPOSED BATHROOM BUILDING AREA: 518 SF
PROPOSED BATHROOM IMPERVIOUS AREA: 1,520 SF (SEE CIVIL DWGS)

NOTE:
No change to heated area.



FOR CONSTRUCTION
SEPTEMBER 25, 2025

SHELTER BY DESIGN, LLC
Stiliani [Stella] K. Osborn
stella@shelterxdesign.com
404-556-0654

ARCHITECT

STATE OF GEORGIA
STILIANI KASTRITSOS
CERTIFICATE NO. RA031236
REGISTERED ARCHITECT

CONSULTANT

OWNER'S REPRESENTATIVE

ACORNS TO OAKS
2870 Peachtree Rd, #356
Atlanta, GA 30305

PROJECT INFORMATION

Garden Hills ES Fieldhouse
285 Sheridan Drive
Atlanta, GA 30305

■ FOR CONSTRUCTION: 09/25/2025

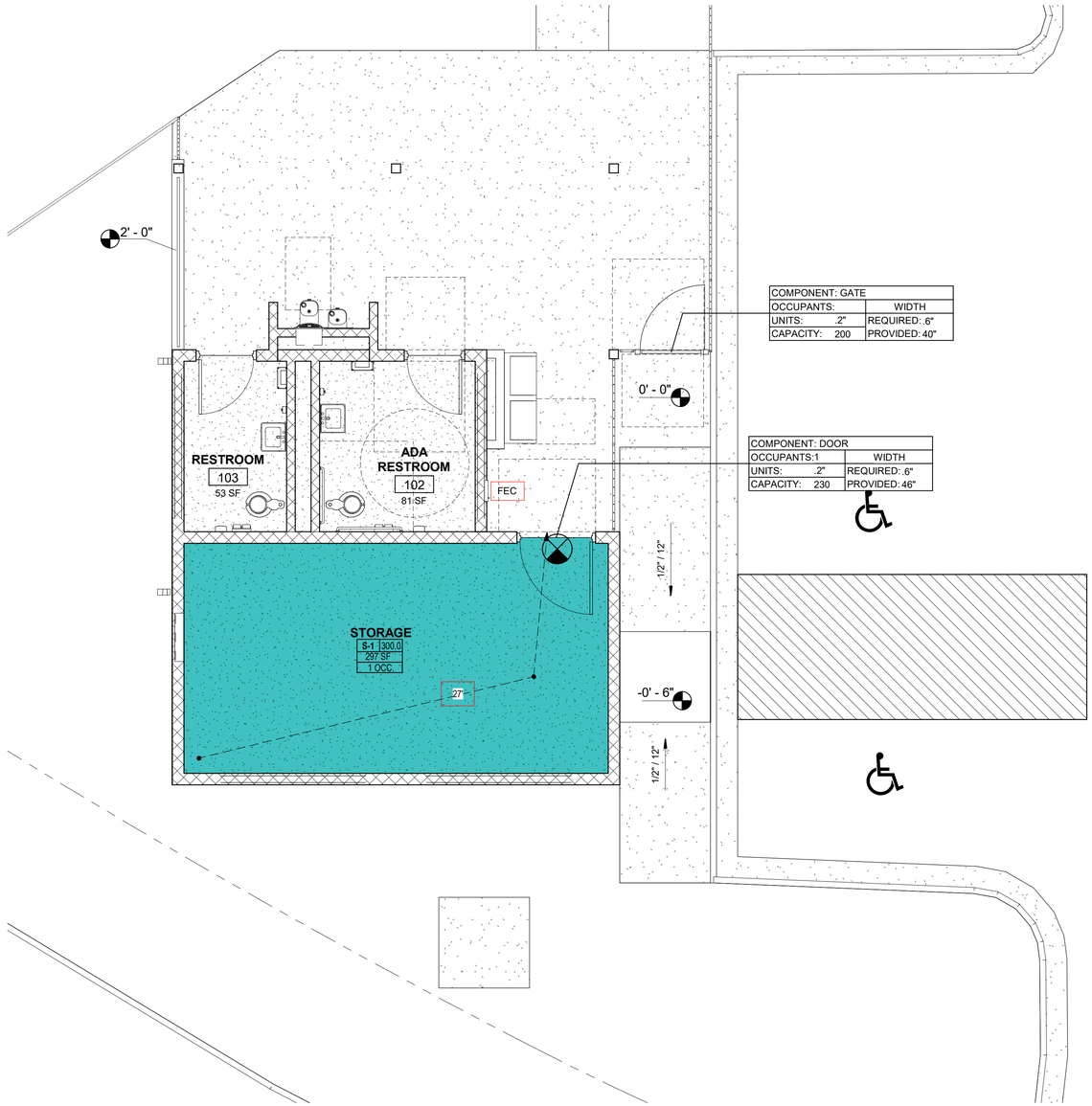
REVISIONS

DATE	NO.	DESCRIPTION

SHEET NAME

COVER SHEET

G-001



1 LIFE SAFETY PLAN
1/4" = 1'-0"

LIFE SAFETY ANALYSIS @ PROPOSED FIELD HOUSE

* THIS IS AN ACCESSORY STRUCTURE, SUPPLEMENTAL RESTROOMS AT AN EXISTING SCHOOL CAMPUS*

OCCUPANCY USE: EDUCATION (E), ACCESORY UTILITY (U)
OCCUPANCY TYPE: EDUCATIONAL, SPORTING GOOD STORAGE *PER NFPA 101, SECTION 6.1.3*

TYPE OF CONSTRUCTION FOR PROPOSED BUILDING
CONSTRUCTION TYPE II-B (NEW) *PER IBC SECTION 601*

FIRE PROTECTION SYSTEMS
PROPOSED BUILDING IS NOT-SPRINKLERED

FIRE RESISTANCE RATINGS (HOURS) - *PER IBC TABLE 601*
FOR CONSTRUCTION TYPE II-B

- STRUCTURAL FRAME:	0 HR
- BEARING WALLS/ EXTERIOR:	0 HR
- BEARING WALLS/ INTERIOR:	0 HR
- NON-BEARING WALLS/ EXTERIOR:	PER TABLE 602
- NON-BEARING WALLS/ INTERIOR:	0 HR
- FLOORS / FLR TO CEILING:	0 HR
- ROOFS:	0 HR

FIRE RESISTANCE RATINGS FOR EXTERIOR WALLS,
BASED ON SEPARATION DISTANACE (HOURS) - *PER IBC TABLE 602*
FOR CONSTRUCTION TYPE II-B, OCCUPANCY GROUP 'H'

X > 30': 0 HR

TABLE 500	ALLOWABLE	ACTUAL
MAXIMUM BUILDING HEIGHT	55'	14'
MAXIMUM # OF STORIES	2	1
MAXIMUM FLOOR AREA	8,500 SF	431 SF
MAXIMUM TRAVEL DISTANCE TO EXIT		27'
(PER NFPA 101, SECTION 14.2.6.3)	200'	
(PER NFPA 101, SECTION 42.2.6)	200'	
MAXIMUM COMMON TRAVEL DISTANCE		27'
(PER NFPA 101, SECTION 14.2.5.3.1)	100'	
(PER NFPA 101, SECTION 42.2.5)	50'	
MAXIMUM DEAD END CORRIDOR LIMIT		N/A
(PER NFPA 101, SECTION 14.2.5.2)	50'	
(PER NFPA 101, SECTION 42.2.5)	50'	

EGRESS WIDTH REQUIRED @ ADDITION:
3 OCCUPANTS x .20" PER OCCUPANT = .6" (46" PROVIDED)

MINIMUM CORRIDOR/AISLE WIDTH
REQUIRED: 72" / PROVIDED: N/A

LIFE SAFETY LEGEND:

LIFE SAFETY ROOM TAG
OCCUPANT LOAD FACTOR
OCCUPANCY CATEGORY
AREA
ANTICIPATED OCCUPANT LOAD
Room Names
R-9 100
100 SF
000 OCC.

EGRESS ROUTE
SEGMENT LENGTH 30'-0"
EGRESS PATH ORIGIN
EGRESS PATH EXIT
AREA OF REFUGE
ACCESSIBLE MEANS OF EGRESS

LIFE SAFETY EXIT TAG
EXIT WIDTH REQUIRED
EXIT CAPACITY REQUIRED
COMPONENT:
OCCUPANTS: XXX WIDTH
UNITS: XXX PROVIDED: XXX
CAPACITY: XXX PROVIDED: XXX
EXIT CAPACITY PROVIDED
EXIT WIDTH PROVIDED

FIRE PROTECTION
FIRE RESISTANT RATED OPENING 45MIN
FIRE EXTINGUISHER CABINET, SEMI-RECESSED FEC

EMERGENCY SYSTEMS
EXIT LIGHT
AED
AUTOMATED EXTERNAL DEFIBRILLATOR, SURFACE MOUNTED

NOTES
1. EXIT SIGN LOCATION: CONFIRM WITH ELEC. DWGS.

SHELTER BY DESIGN, LLC
Stiliani [Stella] K. Osborn
stella@shelterxdesign.com
404-556-0654

ARCHITECT

STATE OF GEORGIA
STILIANI KASTRITSOS
CERTIFICATE NO. RA017236
REGISTERED ARCHITECT
9.25.25

CONSULTANT

CLIENT

ACORNS TO OAKS
2870 Peachtree Rd, #356
Atlanta, GA 30305

PROJECT INFORMATION

Garden Hills ES Fieldhouse
285 Sheridan Drive
Atlanta, GA 30305

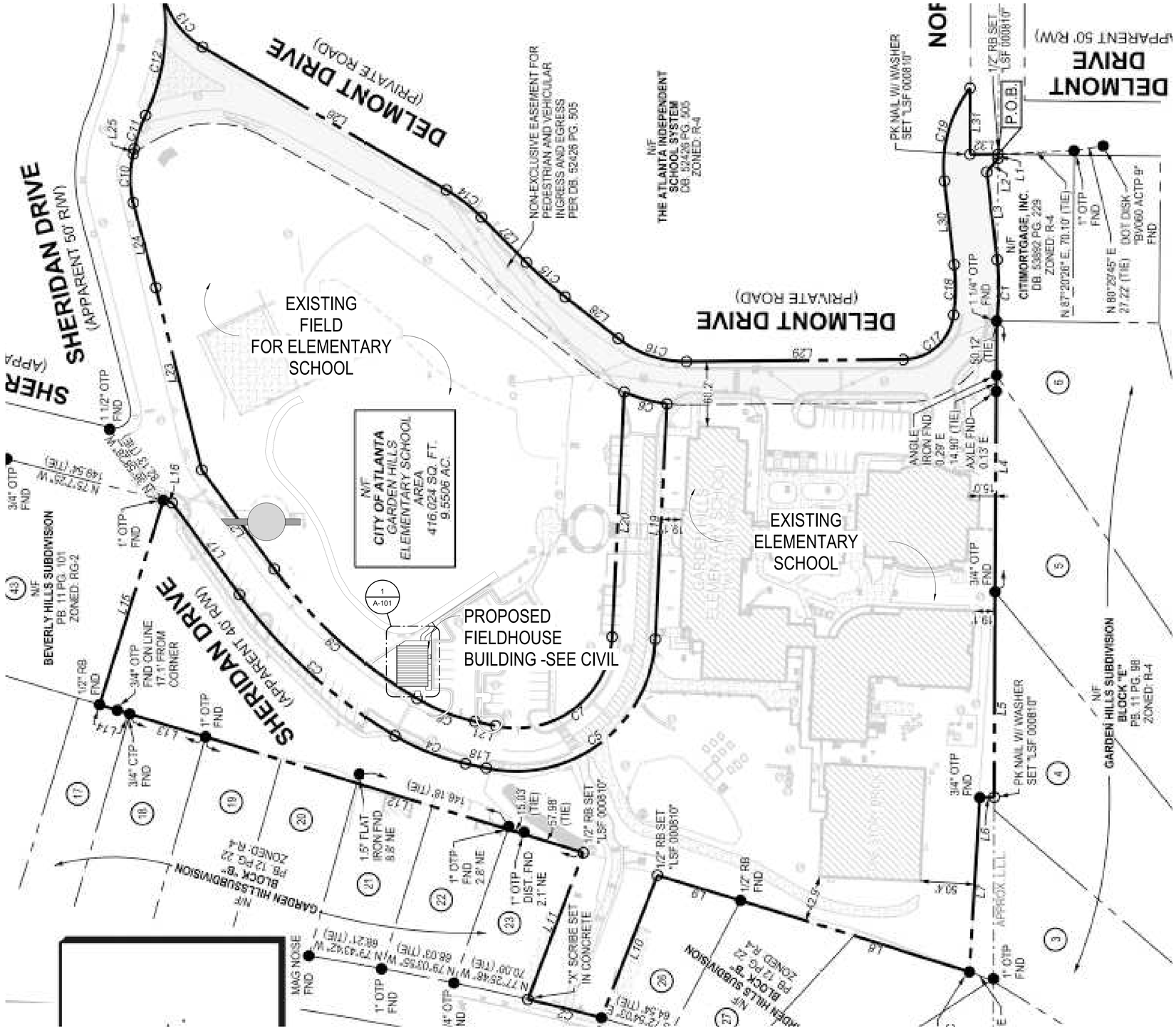
■ FOR CONSTRUCTION: 09/25/2025

REVISIONS

DATE	NO:	DESCRIPTION

SHEET NAME
LIFE SAFETY

G-010



1 REFERENCE ARCH. SITE PLAN
1" = 50'-0"

NORTH

SHELTER BY DESIGN, LLC
Stiliani [Stella] K. Osborn
stella@shelterxdesign.com
404-556-0654

ARCHITECT

STATE OF GEORGIA
STILIANI KASTRITSOS
CERTIFICATE NO. RA019236
REGISTERED ARCHITECT
9.25.25

CONSULTANT

CLIENT

ACORNS TO OAKS
2870 Peachtree Rd, #356
Atlanta, GA 30305

PROJECT INFORMATION

Garden Hills ES Fieldhouse
285 Sheridan Drive
Atlanta, GA 30305

FOR CONSTRUCTION: 09/25/2025

REVISIONS

DATE	NO.	DESCRIPTION

SHEET NAME

REFERENCE SITE PLAN

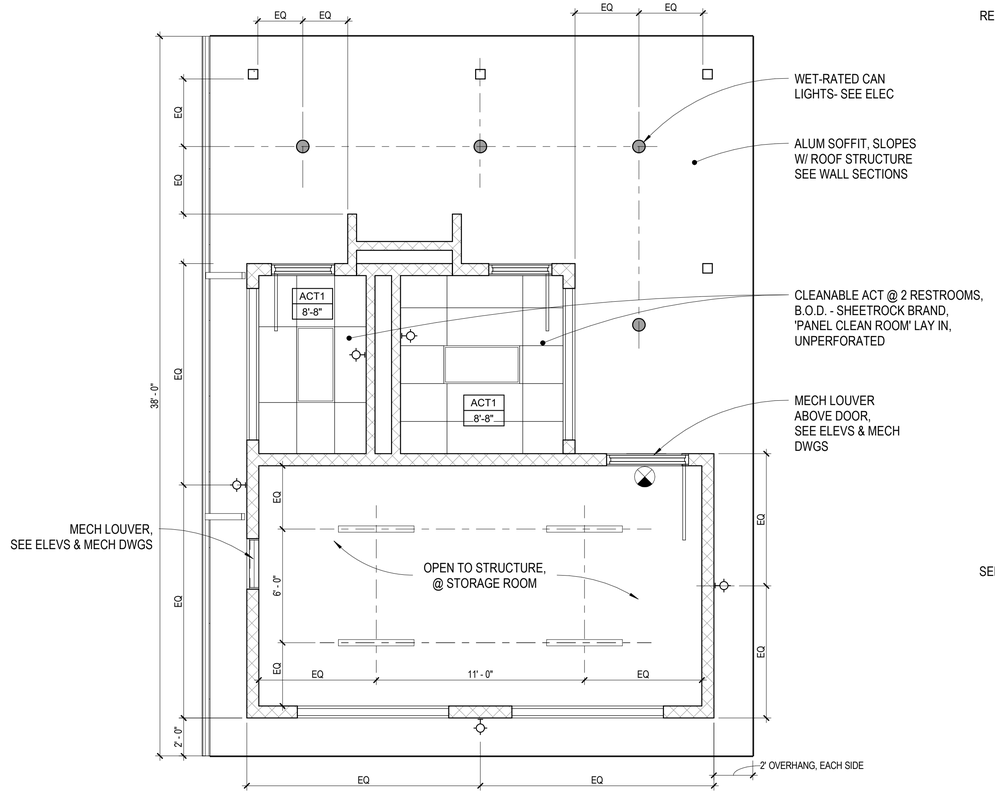
A-000

REFLECTED CEILING PLAN NOTES:

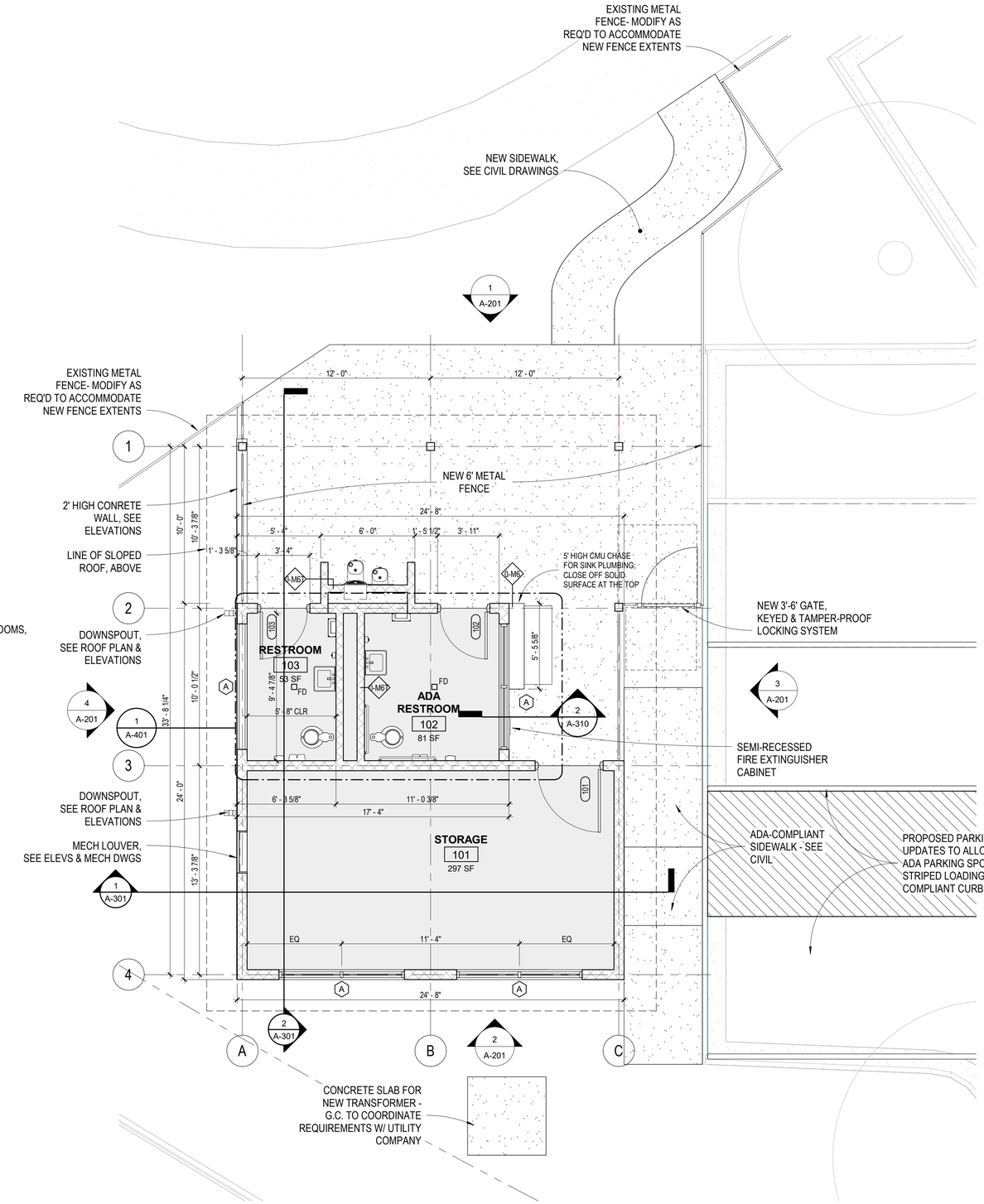
1. CONTRACTOR SHALL VERIFY AND COORDINATE THE LOCATION OF ALL FIXTURES/ DEVICES INDICATED WITH THE MECHANICAL, ELECTRICAL, PLUMBING, SPRINKLER, ALARM AND SPECIAL DEVICES. NOTIFY ARCHITECT OF ANY DISCREPENCIES/ CONFLICTS.
2. REFER TO MECHANICAL, PLUMBING AND ELECTRICAL DOCUMENTS FOR RELATED WORK.
3. REFER TO MECHANICAL DRAWINGS FOR DIFFUSER LOCATIONS.
4. CENTER CEILING GRIDS IN SPACES AS SHOWN UNLESS NOTED OTHERWISE.
5. UNLESS OTHERWISE NOTED, ALL CEILING DEVICES, I.E. RECESSED LIGHTING, DOWNLIGHTS, SPRINKLER HEADS, ETC., LOCATED WITHIN A CEILING TILE SHALL BE CENTERED IN EACH DIRECTION ON THE TILE. REFER TO ENGINEERING DOCUMENTS FOR ADDITIONAL INFORMATION.
6. UNLESS NOTED OTHERWISE, SINGLE LIGHT FIXTURES LOCATED IN A SOFFIT OR GYP. BD. CEILING SHALL BE CENTERED IN EACH DIRECTION OF THE SURFACE AREA OF THE SOFFIT OR CEILING.
7. AT SPACES NOTED "OPEN TO STRUCTURE" (O.T.S.), ALL EXPOSED STRUCTURE AND SURFACES TO BE PAINTED.
8. PAINT COLOR AT SOFFIT SHALL CARRY TO THE INSIDE CORNER OF THE UNDERSIDE OF THE SOFFIT.
9. ACCESS SHALL BE PROVIDED TO ALL MECHANICAL, ELECTRICAL, PLUMBING VALVES, CONTROL PANELS, FILTERS, SWITCHES, DAMPERS, AND OTHER CODE REQUIRED ACCESS POINTS. WHERE ABOVE ITEMS AND POINTS ARE LOCATED ABOVE A HARD OR FIXED CEILING, THE CONTRACTOR SHALL PROVIDE ACCESS PANELS COMPLYING WITH THE CEILING ASSEMBLY FIRE AND ACOUSTICAL RATINGS.

REFLECTED CEILING PLAN LEGEND:

- ACT / 0' - 0" — CEILING TYPE; CEILING HEIGHT ABOVE FINISH FLOOR OF ROOM CONTAINING CEILING
- G - GYPSUM BOARD CEILING
- 2' x ACOUSTICAL CEILING TILE
- 1' X 4' RECESSED LIGHTING FIXTURE
- 2' X 4' RECESSED LIGHTING FIXTURE
- 2' X 2' RECESSED LIGHTING FIXTURE
- CHAIN-HUNG STRIP LIGHT FIXTURE
- RECESSED DOWNLIGHT
- WALL MOUNTED LIGHT FIXTURE / SCONCE
- RETURN VENT
- SUPPLY VENT
- EXHAUST FAN
- EXIT LIGHT
- EXIT LIGHT DIRECTIONAL



3 REFLECTED CEILING PLAN
1/4" = 1'-0"



1 FLOOR PLAN
1/4" = 1'-0"

NORTH

SHELTER BY DESIGN, LLC
Stiliani [Stella] K. Osborn
stella@shelterxdesign.com
404-556-0654

ARCHITECT

STATE OF GEORGIA
STILIANI KASTRITSOS
CERTIFICATE NO. RA031236
REGISTERED ARCHITECT
9.25.25

CONSULTANT

CLIENT

ACORNS TO OAKS
2870 Peachtree Rd, #356
Atlanta, GA 30305

PROJECT INFORMATION

Garden Hills ES Fieldhouse
285 Sheridan Drive
Atlanta, GA 30305

■ FOR CONSTRUCTION: 09/25/2025

REVISIONS

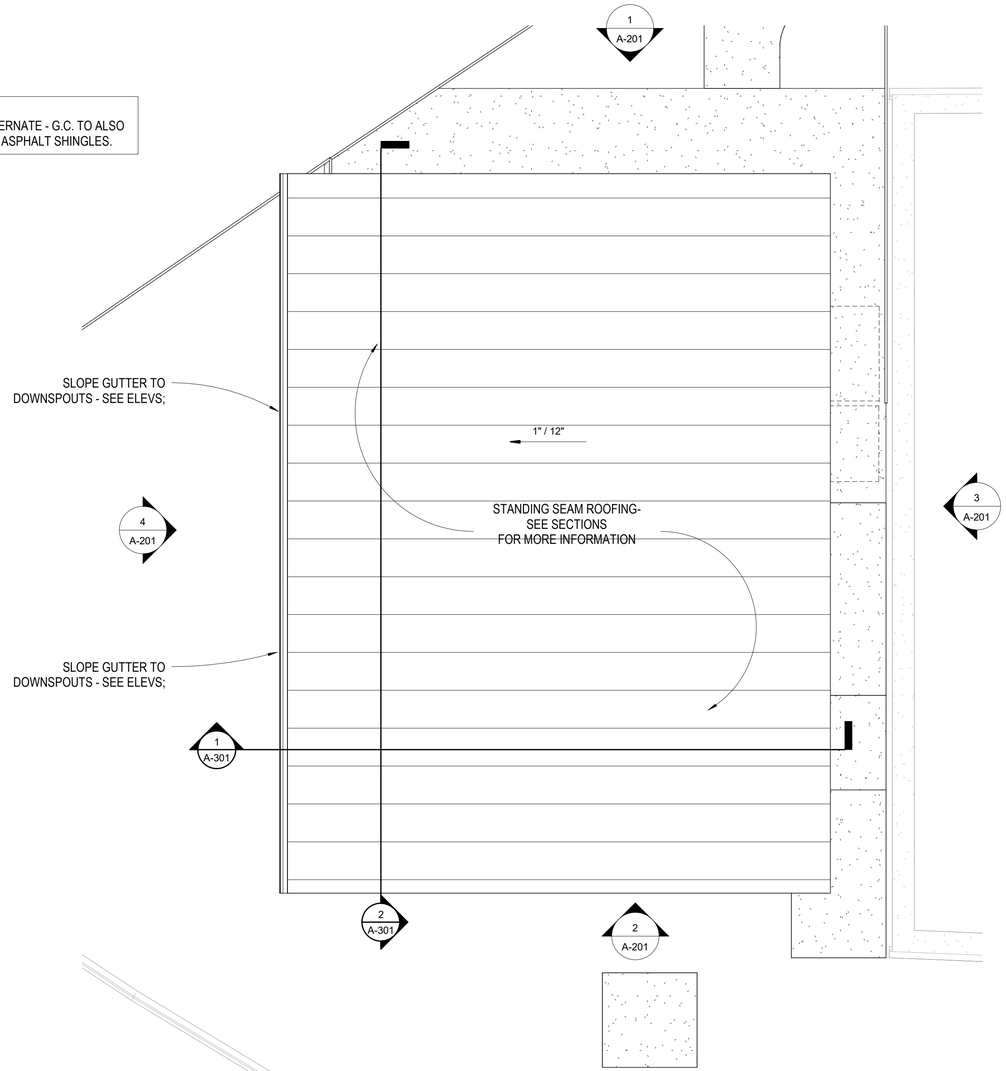
DATE	NO.	DESCRIPTION

SHEET NAME

FLOOR PLAN & RCP

A-101

NOTE:
ROOF DEDUCT ALTERNATE - G.C. TO ALSO PRICE UP ROOF AS ASPHALT SHINGLES.



ROOF DRAINAGE CALCULATIONS:

CODE:
2018 International Plumbing Code with Georgia Amendments (2020)

ROOF AREA: 1,102 SF

100 YEAR RAINFALL PER IPC SECTION 1106.1: 3.75"

GALLONS PER MINUTE (GPM) = .0104 x ROOF AREA x RAINFALL
GPM: 43 = .0104 x 1,102 x 3.75
43 GPM / 2 SCUPPERS = 22 GPM

DOWNSPOUT SIZE (PER SCUPPER) INDICATED ON ROOF PLAN: 3" X 5"
TABLE 1106.6 ALLOWS UP TO 157 GMP PER DOWNSPOUT OF THIS SIZE

ROOF NOTES:

1. ALL ROOFING MATERIALS SHALL INSTALLED IN ACCORDANCE IBC 2018.
2. SLOPE ALL GUTTERS 1/16" PER FOOT TO NEAREST DOWNSPOUT.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN AND VERIFY THEIR OWN FIELD MEASUREMENTS FOR THE EXECUTION OF HIS WORK AND PRIOR TO FABRICATION OF THE VARIOUS COMPONENTS OF THE WORK.
4. LOCATIONS AND QUANTITIES OF ALL VENTS, FLASHINGS, ETC. SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD. DISCREPANCIES IN THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE CONT. PROJECT MGR. PRIOR TO PROCEEDING WITH WORK. PROCEDURE WITHOUT NOTIFICATION WILL BE CONSIDERED ACCEPTANCE OF FIELD CONDITIONS AND PART OF THE CONTRACTOR'S SCOPE OF WORK.
5. ALL ROOFING SYSTEMS AND COMPONENTS SHALL BE INSTALLED IN CONFORMANCE WITH THE GUIDELINES OF THE NATIONAL ROOFING CONTRACTORS' ASSOCIATION (NRCA).
6. ALL SHEET METAL WORK SHALL BE REQUIRED TO CONFORM TO THE GUIDELINES OF THE SHEET METAL AND AIR CONDITIONING NATIONAL ASSOCIATION (SMACNA).
7. ALL WOOD BLOCKING TO BE PRESSURE TREATED BLOCKING ALL FASTENERS TO BE STAINLESS STEEL.
8. DISCHARGE DOWNSPOUTS TO DAYLIGHT; OVER FLUME - SEE CIVIL DWGS.

1 ROOF PLAN
1/4" = 1'-0"

SHELTER BY DESIGN, LLC
Stiliani [Stella] K. Osborn
stella@shelterxdesign.com
404-556-0654

ARCHITECT

STATE OF GEORGIA
STILIANI KASTRITSOS
9.25.25
CERTIFICATE NO. PA017236
REGISTERED ARCHITECT

CONSULTANT

CLIENT

ACORNS TO OAKS
2870 Peachtree Rd, #356
Atlanta, GA 30305

PROJECT INFORMATION

Garden Hills ES Fieldhouse
285 Sheridan Drive
Atlanta, GA 30305

■ FOR CONSTRUCTION: 09/25/2025

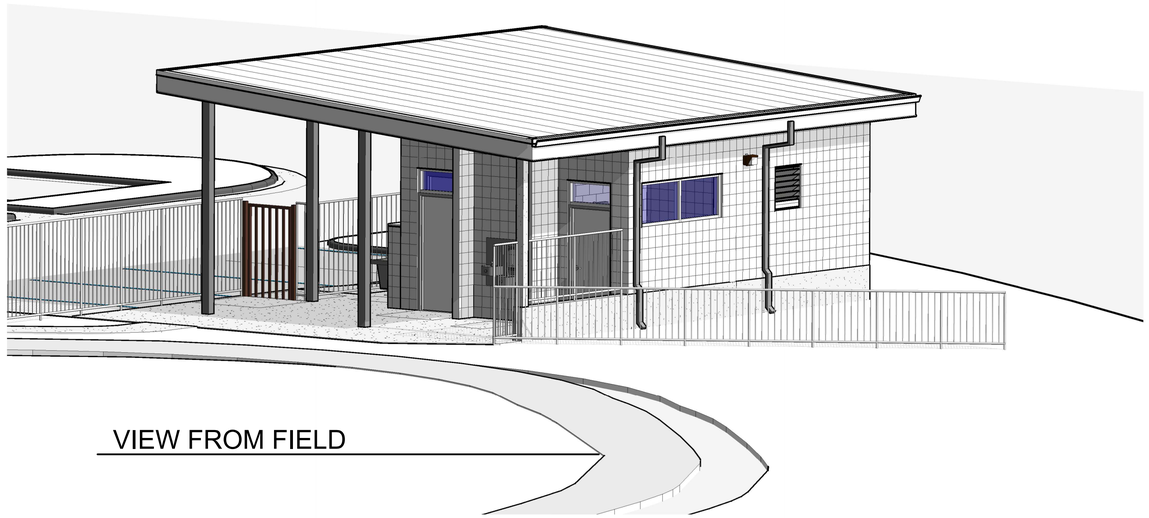
REVISIONS

DATE	NO.	DESCRIPTION

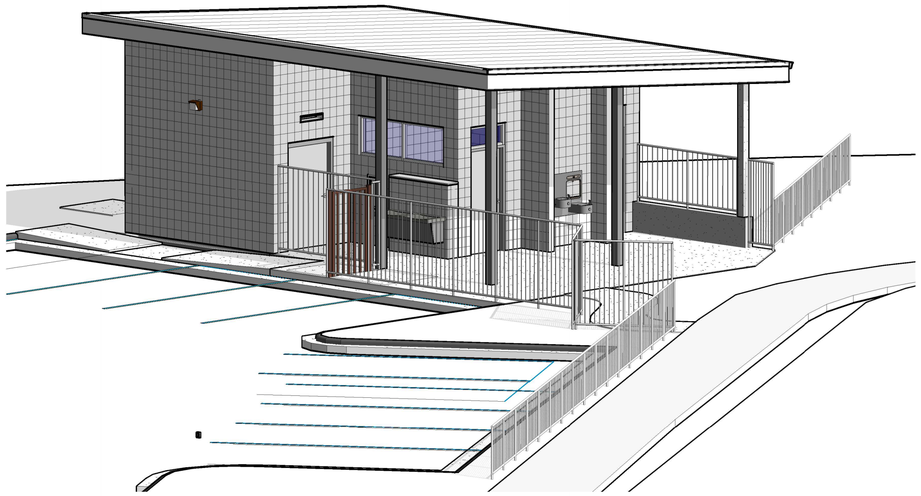
SHEET NAME

ROOF PLAN

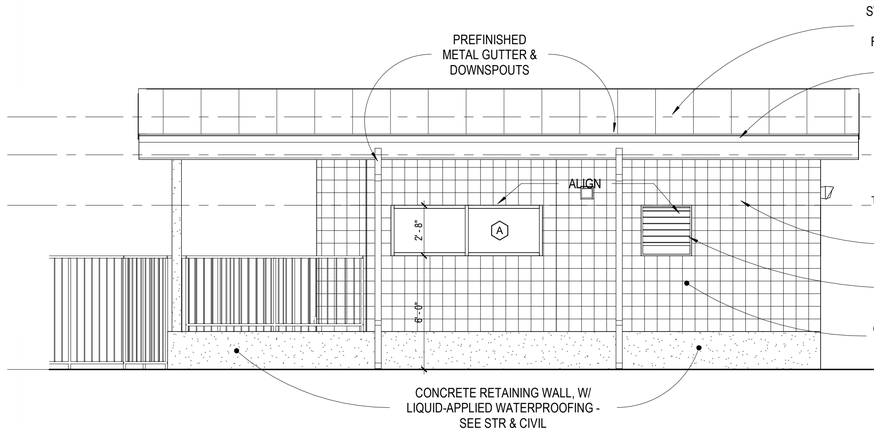
A-141



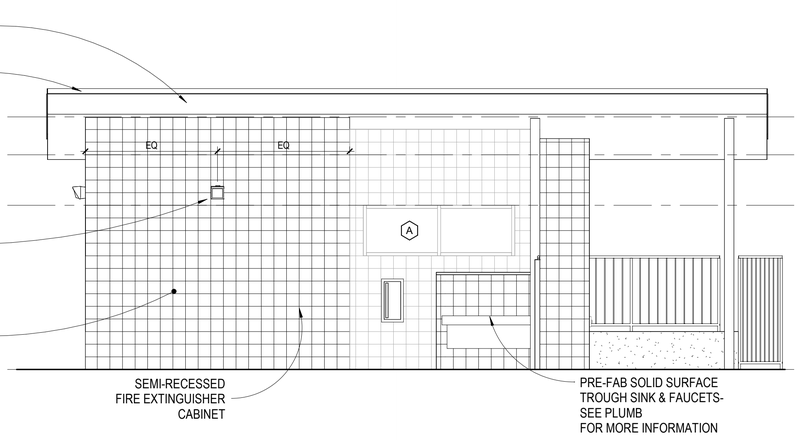
VIEW FROM FIELD



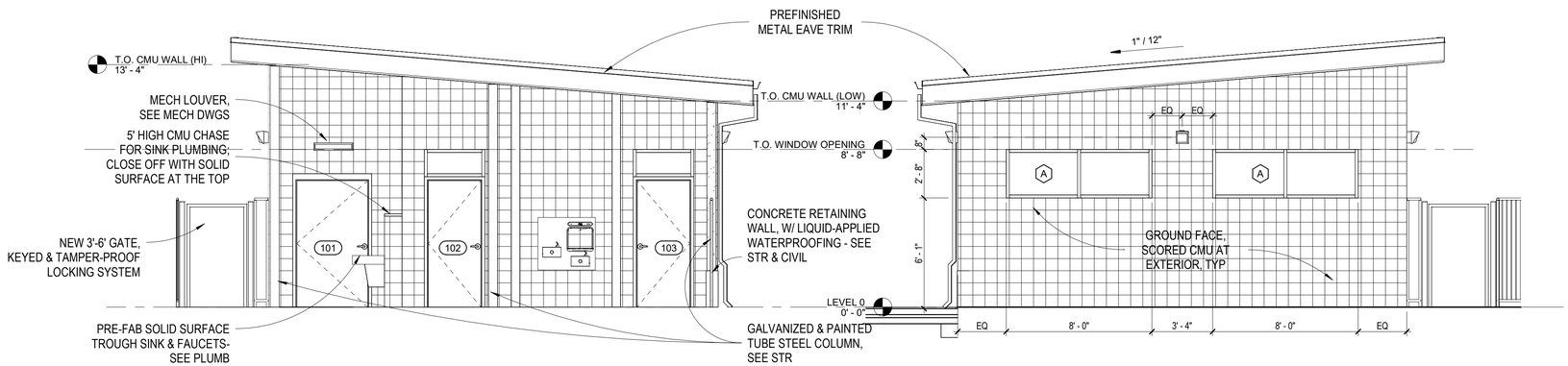
VIEW FROM PARKING



4 WEST ELEVATION
1/4" = 1'-0"



3 EAST ELEVATION
1/4" = 1'-0"



1 NORTH ELEVATION
1/4" = 1'-0"

2 SOUTH ELEVATION
1/4" = 1'-0"

SHELTER BY DESIGN, LLC
Stiliani [Stella] K. Osborn
stella@shelterxdesign.com
404-556-0654

ARCHITECT

STATE OF GEORGIA
STILIANI KASTRITSOS
CERTIFICATE NO. RA017236
REGISTERED ARCHITECT
9.25.25

CONSULTANT

CLIENT

ACORNS TO OAKS
2870 Peachtree Rd, #356
Atlanta, GA 30305

PROJECT INFORMATION

Garden Hills ES Fieldhouse
285 Sheridan Drive
Atlanta, GA 30305

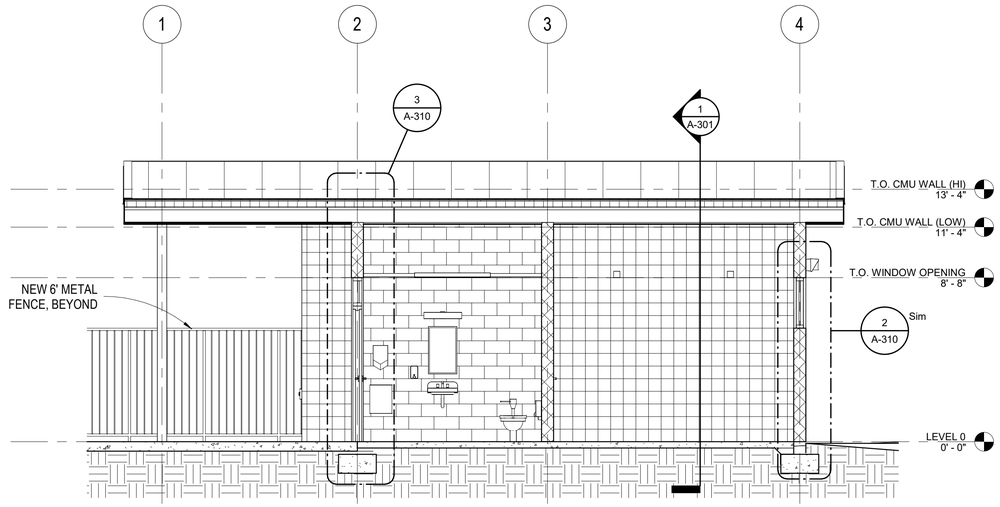
■ FOR CONSTRUCTION: 09/25/2025

REVISIONS

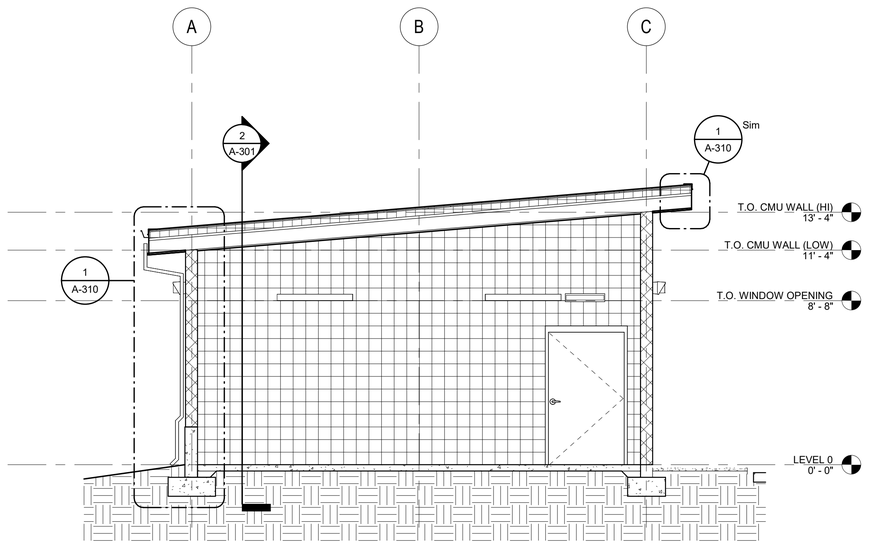
DATE	NO.	DESCRIPTION

SHEET NAME
EXTERIOR ELEVATIONS

A-201



2 BUILDING SECTION N/S
1/4" = 1'-0"



1 BUILDING SECTION E/W
1/4" = 1'-0"

SHELTER BY DESIGN, LLC
Stiliani [Stella] K. Osborn
stella@shelterxdesign.com
404-556-0654

ARCHITECT

STATE OF GEORGIA
STILIANI KASTRITSOS
CERTIFICATE NO. RA031236
REGISTERED ARCHITECT
9.25.25

CONSULTANT

CLIENT

ACORNS TO OAKS
2870 Peachtree Rd, #356
Atlanta, GA 30305

PROJECT INFORMATION

Garden Hills ES Fieldhouse
285 Sheridan Drive
Atlanta, GA 30305

■ FOR CONSTRUCTION: 09/25/2025

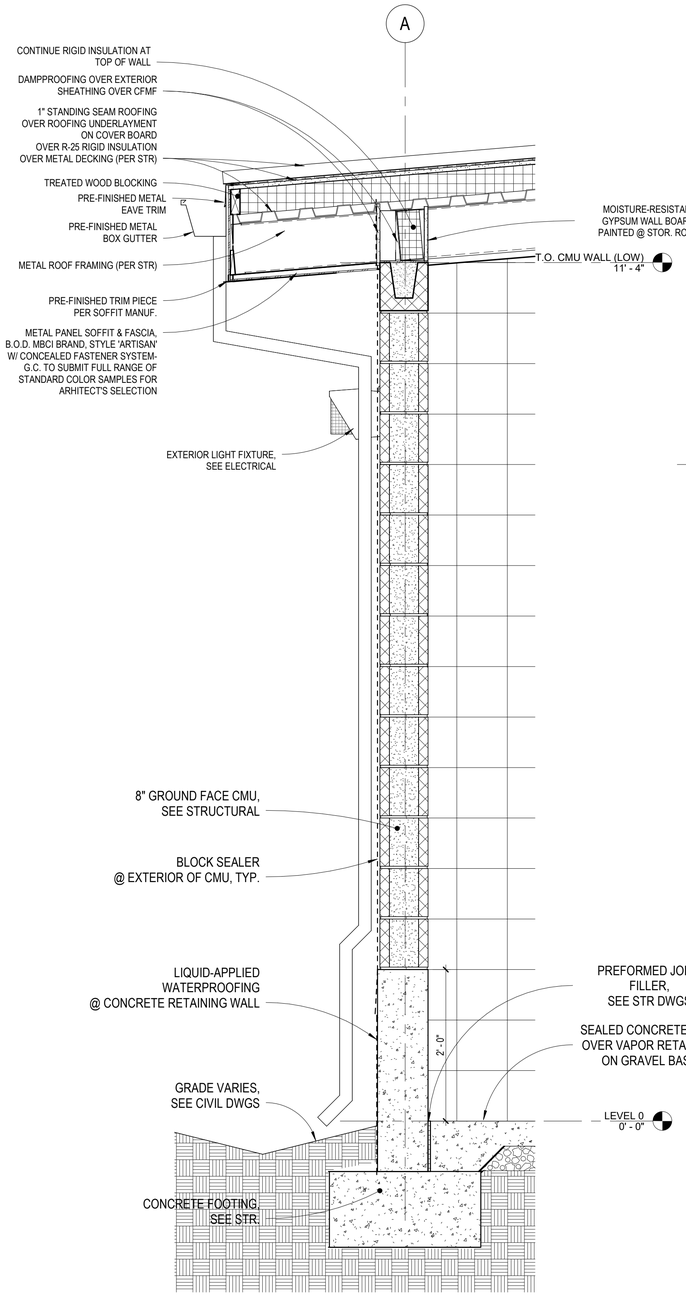
REVISIONS

DATE	NO.	DESCRIPTION

SHEET NAME

BUILDING SECTIONS

A-301



1 WS @ LOW ROOF
1" = 1'-0"

2 WS @ TRANSOM
1" = 1'-0"

3 WS @ EW WALL / RR DOOR
1" = 1'-0"

SHELTER BY DESIGN, LLC
Stiliani [Stella] K. Osborn
stella@shelterxdesign.com
404-556-0654

ARCHITECT

STATE OF GEORGIA
STILIANI KASTRITSOS
CERTIFICATE NO. RA031236
REGISTERED ARCHITECT
9.25.25

CONSULTANT

CLIENT

ACORNS TO OAKS
2870 Peachtree Rd, #356
Atlanta, GA 30305

PROJECT INFORMATION

Garden Hills ES Fieldhouse
285 Sheridan Drive
Atlanta, GA 30305

■ FOR CONSTRUCTION: 09/25/2025

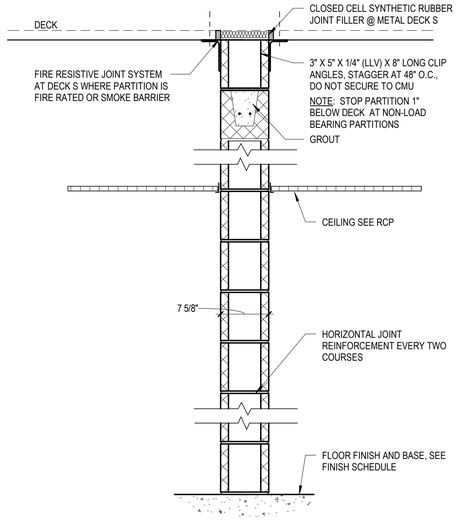
REVISIONS

DATE	NO:	DESCRIPTION

SHEET NAME

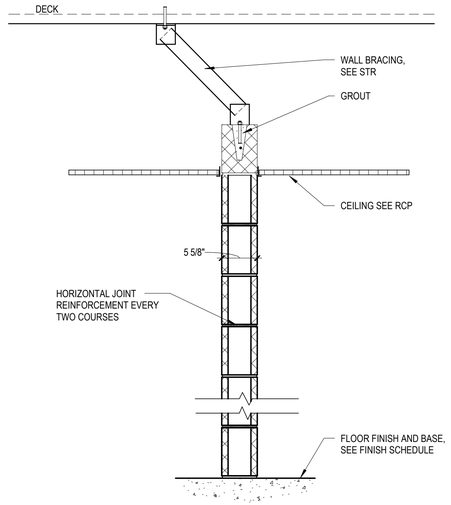
WALL SECTIONS

A-310



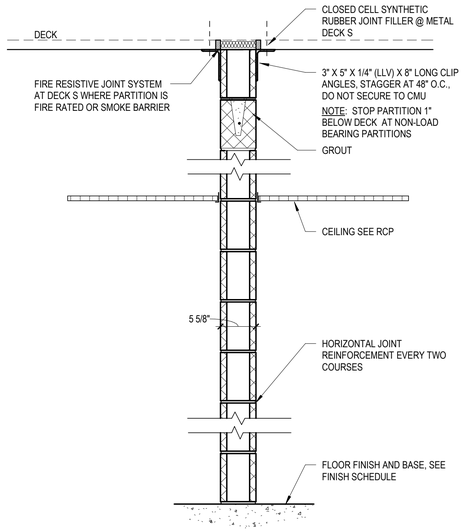
WALL TYPE	RATING	TESTING
0-M8	NON RATED	
S-M8	SMOKE	
0-M8A	STC 44-49	NCMA TEK 13-1C
1-M8	1 HR	UL U905
2-M8	2 HR	UL U905
3-M8	3 HR	UL U904
4-M8	4 HR	UL U901

PARTITION M8



WALL TYPE	RATING	TESTING
0-M6T	NON RATED	

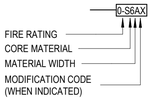
PARTITION 0-M6T



WALL TYPE	RATING	TESTING
0-M6	NON RATED	
S-M6	SMOKE	
0-M6A	STC 42-46	NCMA TEK 13-1C
1-M6	1 HR	UL U906
2-M6	2 HR	UL U906

PARTITION M6

WALL TAG



FIRE RATING	CORE MATERIAL	MODIFICATION
0 - NON RATED 1 - 1 HR 2 - 2 HR 3 - 3 HR 4 - 4 HR S - SMOKE	S - METAL STUD C - CHASE WALL M - MASONRY F - FURRING X - SHAFT WALL	A - ACOUSTICAL B - CEMENTITIOUS BACKER BOARD D - FRAME WALL ABOVE H - SECURITY MESH I - IMPACT RESISTANT M- MOISTURE RESISTANT GYPSUM BOARD N - SINGLE SIDE GYPSUM BOARD R - RF SHIELDING FOIL T - THROUGH CEILING U - UNDERSIDE CEILING

STEEL STUD PARTITIONS

GENERAL NOTES:

1. THIS INFORMATION IS PROVIDED FOR USE AS A GUIDE AND DOES NOT ALLEVIATE THE CONTRACTOR FROM PROVIDING WALL ASSEMBLIES THAT MEET THE DESIGN CRITERIA FOR EACH CONDITION. CONTRACTOR SHALL COORDINATE WITH PROJECT CONDITIONS AND PROVIDE WALL ASSEMBLIES BASED ON MANUFACTURER'S STANDARD SPAN TABLES THAT MEET DESIGN CRITERIA INCLUDING LOADS, DEFLECTION LIMITS, FIRE TEST RATING S AND SOUND TEST CLASSIFICATIONS.
2. SOUND TRANSMISSION CLASS INDICATED IS BASED ON MATERIALS AND CONSTRUCTION IDENTICAL TO THOSE IN SOUND TEST ASSEMBLY SCHEDULED. IF CHANGES IN THE ASSEMBLY ARE NECESSARY DUE TO CONTRACTOR'S SELECTION OF PRODUCTS/ MANUFACTURER OR DUE TO REQUIRED PARTITION HEIGHT, DEFLECTION CRITERIA OR DESIGN PRESSURE, CONTRACTOR SHALL SUBMIT FOR APPROVAL AND PROVIDE ALTERNATE PARTITION ASSEMBLIES THAT MEET SPECIFIED DESIGN CRITERIA PRIOR TO START OF WORK.
3. IF SELECTED STEEL STUD MANUFACTURER'S THICKNESS OF STEEL COMPONENTS VARIES FROM THE BASIS OF DESIGN, PROVIDE MANUFACTURER'S STANDARD THICKNESS WITH LIMITING HEIGHT THAT MEETS OR EXCEEDS THE SPECIFIED DESIGN CRITERIA.
4. GYPSUM WALL BOARD IS TO BE TYPE "X" FIRE RESISTANT BOARD FOR ALL RATED PARTITIONS UNLESS OTHERWISE NOTED.
5. DOOR OPENING FRAMING SHALL BE MINIMUM 20 GAUGE STUDS WITH SINGLE STUD JAMB FOR STANDARD WEIGHT DOORS AND DOUBLE STUD JAMB FOR HEAVY WEIGHT DOORS IN ACCORDANCE WITH GYPSUM ASSOCIATION STANDARD GA-219.
6. REFER TO LIFE SAFETY PLANS AND FLOOR PLAN FOR LOCATIONS OF FIRE RATED WALLS.
7. REFER TO FINISH SCHEDULE FOR WALL FINISHES.
8. ALL U.L. OR OTHER TESTING AGENCY DESIGNATIONS SHOWN IN THE PARTITION TYPES APPLY ONLY TO THE PARTITIONS INDICATED ON THE LIFE SAFETY PLANS TO BE FIRE OR SMOKE RATED. THESE RATED PARTITIONS SHALL BE CONSTRUCTED TO COMPLY WITH THE REQUIREMENTS OF TESTED ASSEMBLY.
9. FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENING OR PENETRATIONS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING. SUCH IDENTIFICATION SHALL: A. BE LOCATED IN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACES; B. BE LOCATED WITHIN 15 FEET OF THE END OF EACH WALL AND AT INTERVALS NOT EXCEEDING 30 FEET MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION; AND C. INCLUDE LETTERING NOT LESS THAN 3 INCHES IN HEIGHT WITH A MINIMUM 3/8 INCH STROKE IN A CONTRASTING COLOR INCORPORATING THE SUGGESTED WORDING, "FIRE AND/OR SMOKE BARRIER--PROTECT ALL OPENINGS" OR OTHER WORDING AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
10. PARTITIONS SHALL EXTEND AND TERMINATE AT THE UNDERSIDE OF STRUCTURE ABOVE UNLESS NOTED OTHERWISE.)
11. IN STUD WALL PARTITIONS PROVIDE BLOCKING AS SPECIFIED FOR ALL WALL MOUNTED HANDRAILS, FIXTURES, MILLWORK, EQUIPMENT, ACCESSORIES, ETCETERA.

SHELTER BY DESIGN, LLC
Stiliani [Stella] K. Osborn
stella@shelterxdesign.com
404-556-0654

ARCHITECT

STATE OF GEORGIA
STILIANI KASTRITSOS
CERTIFICATE NO. RA017236
REGISTERED ARCHITECT
9.25.25

CONSULTANT

CLIENT

ACORNS TO OAKS
2870 Peachtree Rd, #356
Atlanta, GA 30305

PROJECT INFORMATION

Garden Hills ES Fieldhouse
285 Sheridan Drive
Atlanta, GA 30305

■ FOR CONSTRUCTION: 09/25/2025

REVISIONS

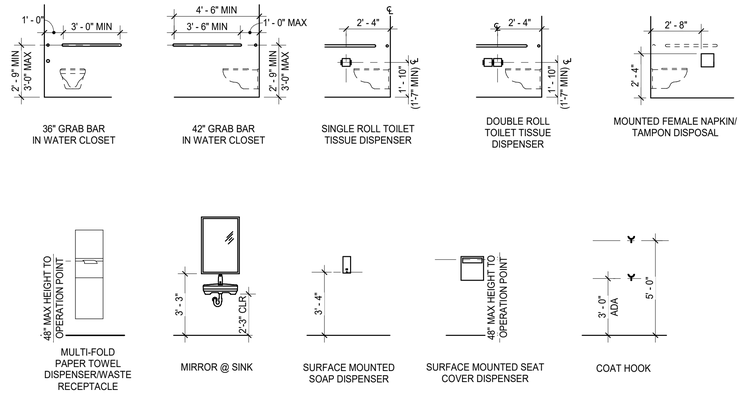
DATE	NO.	DESCRIPTION

SHEET NAME

WALL TYPES

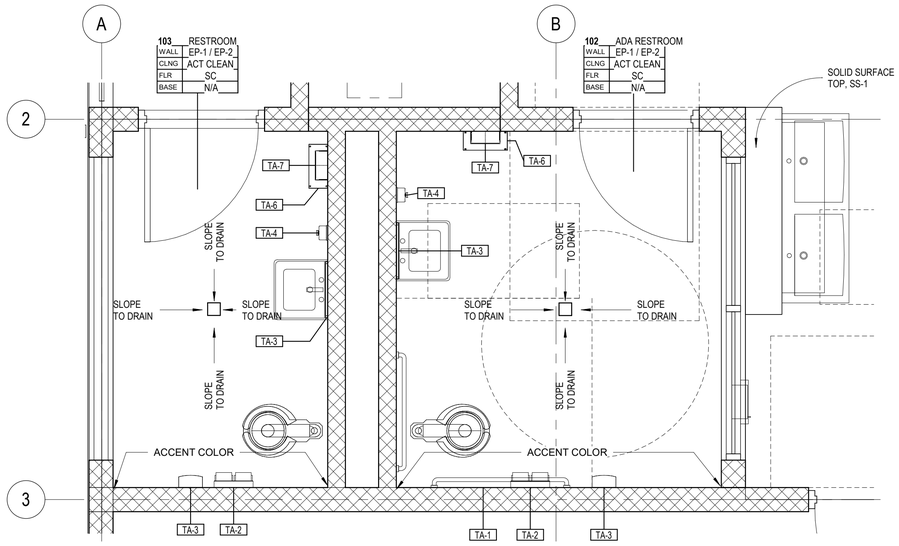
A-390

TOILET FIXTURE & ACCESSORY LEGEND AND MOUNTING HEIGHTS



RESTROOM ACCESSORIES

TAG	DESCRIPTION	BASIS OF DESIGN: BOBRICK	COMMENTS
TA-1	42" GRAB BAR AND 36" GRAB BAR		
TA-2	SURFACE-MOUNTED DOUBLE ROLL TOILET TISSUE DISPENSER W HOODS	B-6999	
TA-3	MIRROR (18x30); (TILT TYPE FOR ADA COMPLIANCE)	B-293 1830	
TA-4	SOAP DISPENSER, VERTICAL SURFACE MOUNT, ALL-PURPOSE SOAPS, 40 OZ	B-2111	
TA-6	CLASSIC SERIES SUFACE MOUNTED WASTE RECEPTACLE	B-279	
TA-7	WALL MOUNTED HAND DRYER	B-7188	



1 ENLARGED TOILET PLANS
1/2" = 1'-0"

FINISHES LEGEND

Key Name	Description	Manufacturer	Style / Series	Color	Finish	Comments
ACT CLEAN	Scrubbable ACT Ceiling					See Reflected Ceiling Plan
EP-1	Epoxy Paint	Sherwin Williams	SW 7011	Natural Choice	Semi_Gloss	Epoxy Field Color
EP-2	Epoxy Paint	Sherwin Williams	SW 6717	Lime Rickey	Semi_Gloss	Epoxy Accent Paint, HM Frames / Doors & Steel Columns
SC	Sealed Concrete					Clear, Matte Finish - Submit samples to Architect
SS-1	Solid Surface	Corian	Endura	Urban Cement		
TR-1	Flooring Threshold					

SHELTER BY DESIGN, LLC
Stiliani [Stella] K. Osborn
stella@shelterxdesign.com
404-556-0654

ARCHITECT

STATE OF GEORGIA
STILIANI KASTRITSOS
CERTIFICATE NO. PA017236
REGISTERED ARCHITECT
9.25.25

CONSULTANT

CLIENT

ACORNS TO OAKS
2870 Peachtree Rd, #356
Atlanta, GA 30305

PROJECT INFORMATION

Garden Hills ES Fieldhouse
285 Sheridan Drive
Atlanta, GA 30305

■ FOR CONSTRUCTION: 09/25/2025

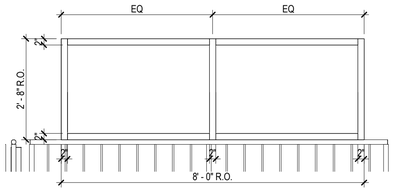
REVISIONS

DATE	NO.	DESCRIPTION

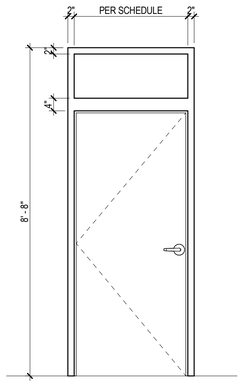
SHEET NAME

ENLARGED PLANS & ACCESSORIES

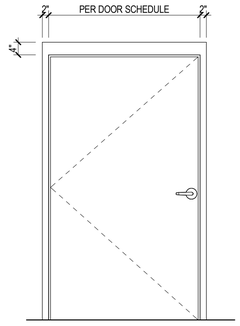
A-401



WINDOW (A)

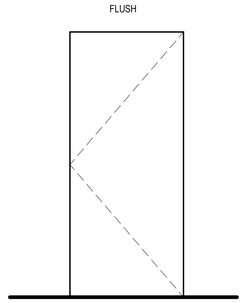


1 - DOOR FRAME W/ TRANSOM



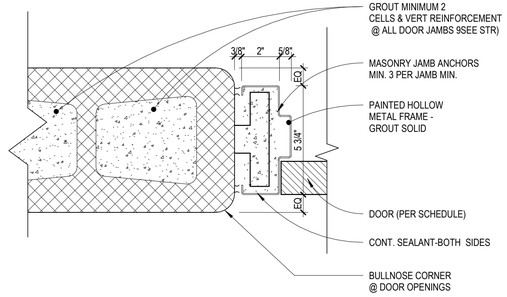
2 - DOOR FRAME

OPENING TYPE ELEVATIONS



F

DOOR TYPE ELEVATION



J1 JAMB DETAIL
3" = 1'-0"

DOOR SCHEDULE

NUMBER	DOOR TYPE	DOOR SIZE WIDTH	DOOR SIZE HEIGHT	DOOR SIZE THICK	DOOR MATL	DOOR UNDER CUT	FIRE RATING	HARDWARE	FRAME TYPE	FRAME MATL	FRAME DETAIL HEAD	FRAME DETAIL JAMB	FRAME DETAIL SILL	COMMENTS
101	F	4' - 0"	7' - 0"	0' - 1 3/4"	HM			01	2	HM	H1	J1	S1	
102	F	3' - 0"	7' - 0"	0' - 1 3/4"	HM			02	1	HM	H1	J1	S1	
103	F	3' - 0"	7' - 0"	0' - 1 3/4"	HM			02	1	HM	H1	J1	S1	

H1 HEAD DETAIL
3" = 1'-0"

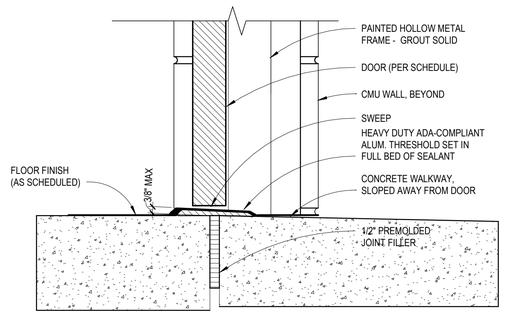
DOOR HARDWARE

HW SET: 01
DOOR #: 101
EACH TO HAVE:

3	EA	HEAVY WT HINGE	5BB1 5 X 4.5	630	IVE
1	EA	STOREROOM LOCKSET	ND80HD RHO	626	SCH
1	EA	PERMANENT CORE	BY OWNER	626	BES
1	EA	SURFACE CLOSER	4040XP REG TBWMS	689	LCN
1	EA	FLOOR STOP	FS441	626	IVE
1	EA	GASKETING	188S-BK PSA	BK	ZER
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	65A-223	A	ZER

HW SET: 02
DOOR #(S): 102, 103
EACH TO HAVE:

3	EA	HEAVY WT HINGE	5BB1 5 X 4.5	630	IVE
1	EA	OFFICE LOCKSET	ND50HD RHO	626	SCH
1	EA	PERMANENT CORE	BY OWNER	626	BES
1	EA	SURFACE CLOSER	4040XP REG TBWMS	689	LCN
1	EA	FLOOR STOP	FS441	626	IVE
1	EA	GASKETING	188S-BK PSA	BK	ZER
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	65A-223	A	ZER



S1 SILL DETAIL
3" = 1'-0"

SHELTER BY DESIGN, LLC
Stiliani [Stella] K. Osborn
stella@shelterxdesign.com
404-556-0654

ARCHITECT

STATE OF GEORGIA
STILIANI KASTRITSOS
CERTIFICATE NO. RA017236
REGISTERED ARCHITECT
9.25.25

CONSULTANT

CLIENT

ACORNS TO OAKS
2870 Peachtree Rd, #356
Atlanta, GA 30305

PROJECT INFORMATION

Garden Hills ES Fieldhouse
285 Sheridan Drive
Atlanta, GA 30305

■ FOR CONSTRUCTION: 09/25/2025

REVISIONS

DATE	NO.	DESCRIPTION

SHEET NAME
OPENING SCHEDULES & H, J, S DETAILS

A-601

MINIMUM DESIGN LOADS

1. ALL DESIGN LOADS ARE IN ACCORDANCE WITH THE 2018 INTERNATIONAL BUILDING CODE w/ GEORGIA AMENDMENTS.
2. DEAD LOADS — 10 PSF
3. LIVE LOADS — 20 PSF
4. SNOW LOAD
   - 4.1. GROUND SNOW LOAD — 5 PSF
5. WIND LOADS
   - 5.1. BASIC WIND SPEED -- 3 SECOND GUST (ULTIMATE) — 115 MPH
   - 5.2. BASIC WIND SPEED -- 3 SECOND GUST (ALLOWABLE) — 90 MPH
   - 5.3. IMPORTANCE FACTOR — 1.0
   - 5.4. WIND EXPOSURE CATEGORY — B
   - 5.5. INTERNAL PRESSURE COEFFICIENT, GC_{pi} — ±0.55
   - 5.6. MAIN WIND FORCE RESISTING SYSTEM — LIGHT FRAMED SHEATHED WALLS
   - 5.7. COMPONENTS & CLADDING PRESSURE FOR ULTIMATE WIND SPEED (PSF):

ZONE		EFFECTIVE AREA (SF)				
		10	20	50	100	500
ROOF	1	-23.8	-22.6	-21.0	-19.8	-
ROOF	2	-27.8	-26.6	-25.0	-23.8	-
ROOF	3	-27.8	-26.6	-25.0	-23.8	-
WALL	4	-25.8	-24.7	-23.3	-22.2	-19.8
WALL	5	-31.9	-29.7	-26.9	-24.7	-19.8

   - 5.8. COMPONENTS & CLADDING PRESSURE FOR ALLOWABLE WIND SPEED (PSF):

ZONE		EFFECTIVE AREA (SF)				
		10	20	50	100	500
ROOF	1	-14.6	-13.8	-12.8	-12.1	-
ROOF	2	-17.0	-16.3	-15.3	-14.6	-
ROOF	3	-17.0	-16.3	-15.3	-14.6	-
WALL	4	-15.8	-15.1	-14.3	-13.6	-12.1
WALL	5	-19.5	-18.2	-16.5	-15.1	-12.1

6. SEISMIC LOADS
   - 6.1. SEISMIC IMPORTANCE FACTOR — 1.0
   - 6.2. MAPPED SPECTORAL RESPONSE S_S — 0.195 g
   - 6.3. MAPPED SPECTORAL RESPONSE S_1 — 0.092 g
   - 6.4. SOIL SITE CLASS — D
   - 6.5. SPECTRAL RESPONSE COEFFICIENT S_{DS} — 0.208 g
   - 6.5. SPECTRAL RESPONSE COEFFICIENT S_{D1} — 0.147 g
   - 6.6. SEISMIC DESIGN CATEGORY — C
   - 6.7. BASIC SEISMIC FORCE RESISTING SYSTEM — CMU SHEAR WALLS
     - 6.7.1. SEISMIC BASE SHEAR — 2.30 KIP
     - 6.7.2. SEISMIC RESPONSE COEFFICIENT, C_s — 0.032
     - 6.7.3. RESPONSE MODIFICATION FACTOR, R — 6.5
     - 6.7.4. ANALYSIS PROCEDURE USED — EQUIV. LATERAL FORCE PROCEDURE

GENERAL STRUCTURAL NOTES

1. THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE DRAWINGS OF ALL OTHER DISCIPLINES AND THE SPECIFICATIONS. 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 HERE IN REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY 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 THE 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. ALL STRUCTURAL SYSTEMS WHICH ARE TO BE COMPOSED OF COMPONENTS TO BE FIELD ERECTED SHALL BE SUPERVISED BY THE SUPPLIER DURING MANUFACTURING, DELIVERY, HANDLING, STORAGE AND ERECTION IN ACCORDANCE WITH THE SUPPLIER'S INSTRUCTIONS AND REQUIREMENTS.
7. LOADING APPLIED TO THE STRUCTURE DURING THE PROCESS OF CONSTRUCTION SHALL NOT EXCEED THE SAFE LOAD-CARRYING CAPACITY OF THE STRUCTURAL MEMBERS. THE LIVE LOADING 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.
8. ALL ASTM AND OTHER REFERENCES ARE PER THE LATEST EDITIONS OF THESE STANDARDS, UNLESS NOTED OTHERWISE.
9. SHOP DRAWINGS AND OTHER ITEMS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION. ALL SHOP DRAWINGS SHALL BE REVIEWED BY THE GENERAL CONTRACTOR BEFORE SUBMITTAL. THE ENGINEER'S REVIEW IS TO BE FOR CONFORMANCE WITH THE DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE RELEVANT CONTRACT DOCUMENTS. THE ENGINEER'S REVIEW DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW, CHECK AND COORDINATE THE SHOP DRAWINGS PRIOR TO SUBMISSIONS. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR THE ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, DIMENSIONS, ETC.
11. PROVIDE ADEQUATE AND PROPER FLASHING WHEREVER REQUIRED AGAINST WATER INTRUSION.
12. THE DESIGNS HEREIN BELONG TO THE STRUCTURAL ENGINEER OF RECORD. A LICENSE TO CONSTRUCT THIS BUILDING FROM THESE PLANS AT A SINGLE SITE IS GRANTED TO THE CONTRACTED CLIENT. LICENSEE LIMITS LIABILITY OF THE STRUCTURAL ENGINEER OF RECORD TO THE TOTAL FEES PAID FOR WORK HEREIN. LICENSE IS NON-TRANSFERABLE. ANY BREACH OF THIS LICENSE SHALL ENTITLE THE STRUCTURAL ENGINEER OF RECORD TO PURSUE ANY AND ALL REMEDIES, AT LAW OR EQUITY, INCLUDING WITHOUT LIMITATION, INJUNCTIVE RELIEF TO PREVENT OR CEASE SUCH BREACH.
13. IT IS THE RESPONSIBILITY OF PURCHASER OF PLANS TO ENSURE THE FOLLOWING BEFORE CONSTRUCTION:
    - 13.1. CONTRACTOR MUST VERIFY ALL DIMENSIONS PRIOR TO PROCEEDING WITH CONSTRUCTION.
    - 13.2. CONTRACTOR MUST VERIFY COMPLIANCE WITH ALL LOCAL BUILDING CODES IN THE AREA THE PROJECT IS TO BE BUILT.
    - 13.3. ENGINEERING CONSULTANTS MUST INCORPORATE ACTUAL SITE CONDITIONS.
    - 13.4. ANY MODIFICATIONS TO THESE DOCUMENTS MUST BE MADE BY THE STRUCTURAL ENGINEER OF RECORD.
    - 13.5. PLANS INDICATE LOCATION ONLY. SITE CONDITIONS MUST BE VERIFIED BY OTHERS AND ACTUAL SITE CONDITION MUST BE INCORPORATED INTO ENGINEERING ASPECTS.
14. FOR ANY REASON, IF ANY PART OF THIS STRUCTURE (i.e. FLOORS, CEILINGS, ...etc.) IS DESIGNED BY OTHER PARTIES, THE STRUCTURAL ENGINEER OF RECORD CLAIMS NO RESPONSIBILITY FOR, BUT NOT LIMITED TO, THE LATERAL RESISTANCE, STABILITY OF THE STRUCTURE, PROPER TRANSFER OF DESIGN LOADS, ANCHORAGE, HOLD DOWN, AND ANY OTHER ATTACHMENTS OR CONNECTION METHODS.
15. COMPLETE SHOP DRAWINGS FOR CONSTRUCTION OF EACH BUILDING COMPONENT NOT DESIGNED BY THE DESIGN TEAM-OF-RECORD AND NOT SPECIFIED ON THE PROJECT CONSTRUCTION DOCUMENTS SHALL BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF GEORGIA AND SHALL BE AVAILABLE AT THE JOB SITE DURING THE TIMES OF INSPECTION."
16. DESIGN OF SPECIAL CONNECTIONS BETWEEN STEEL FRAMING COMPONENTS BY OTHER THAN STRUCTURAL ENGINEER OF RECORD SHALL BE PERFORMED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF GEORGIA, INCLUDING BUT NOT LIMITED TO BRACE END CONNECTIONS, MOMENT RESISTING CONNECTIONS, MODIFIED BEAM SEAT CONNECTIONS, AND MEMBER SPLICE CONNECTIONS.

FOUNDATION NOTES

1. ALL FOOTINGS SHALL BEAR ON UNDISTURBED, FIRM, NATURAL SOIL OR ENGINEERED SOIL CAPABLE OF SUPPORTING A MINIMUM DESIGN BEARING PRESSURE OF 2,000 PSF UNLESS DATA TO SUBSTANTIATE THE USE OF A HIGHER VALUE ARE SUBMITTED AND APPROVED. ALL FOUNDATION EXCAVATIONS SHALL BE EVALUATED BY THE GEOTECHNICAL ENGINEER / TESTING AGENCY PRIOR TO POURING FOUNDATION CONCRETE.
2. ALL FOUNDATION CONCRETE SHALL OBTAIN A 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI.
3. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60.
9. UNLESS NOTED OTHERWISE, MINIMUM CONCRETE COVER SHALL BE PROVIDED IN ACCORDANCE WITH ACI 318-14.
10. REINFORCING STEEL, INCLUDING HOOKS AND BENDS, SHALL BE DETAILED IN ACCORDANCE WITH LATEST EDITION OF THE ACI 318. ALL REINFORCED STEEL INDICATED AS BEING CONTINUOUS ("CONT.") SHALL HAVE MINIMUM LAP OF "B" TYPE (ACI 318-14) AT SPLICES UNLESS NOTED OTHERWISE.
11. NO UNBALANCED BACK FILLING SHALL BE DONE AGAINST FOUNDATION WALLS UNLESS WALLS ARE SECURELY BRACED AGAINST OVERTURNING EITHER BY TEMPORARY BRACING OR BY PERMANENT CONSTRUCTION.
12. PRIOR TO COMMENCING ANY FOUNDATION WORK, COORDINATE WORK WITH ANY EXISTING UTILITIES. FOUNDATIONS SHALL BE LOWERED WHERE REQUIRED TO AVOID UTILITIES.
13. PROVIDE CONSTRUCTION JOINTS IN ALL CONCRETE WORK AS REQUIRED BY THE ACI CODE OR AS SHOWN ON THE INDIVIDUAL DETAILS.
14. PROVIDE PROPER AND ADEQUATE DRAINAGE BEHIND ANY TYPE OF RETAINING AND/OR BASEMENT WALLS AS THE SITE CONDITIONS REQUIRE IN THE FIELD.
15. ALL FOOTINGS AND FOUNDATIONS SHALL BE PLACED BELOW THE "FROST - DEPTH" OF THE GEOGRAPHIC AREA OF THE PROJECT.
16. IN THE PRESENCE OF THE GROUND WATER TABLE ABOVE ANY FOOTING OR FOUNDATION, THE GENERAL CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER OF RECORD FOR ANY DESIGN REVISION.
17. ALL STEEL EXPOSED TO WATER, MOISTURE, AND / OR CORROSIVES SHALL BE COVERED WITH APPROPRIATE PROTECTIVE APPROVED COATING MATERIALS.

STRUCTURAL STEEL NOTES

1. ALL STRUCTURAL STEEL SHALL CONFORM TO THE THIRTEENTH EDITION OF THE "MANUAL OF STEEL CONSTRUCTION" OF THE AISC.
2. UNLESS NOTED OTHERWISE, ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE FOLLOWING ASTM SPECIFICATIONS:

MEMBER	ASTM	MIN. STRENGTH
STRUCTURAL TUBING	A-500 (GRADE B)	46 KSI
ROLLED SHAPES	A-992	50 KSI
PLATES	A-36	36 KSI
CONNECTION BOLTS	A-325 (MIN. TYPE N)	92 KSI
ANCHOR BOLTS	F1554	36 KSI
THREADED RODS	A-36	36 KSI
NONSHRINK GROUT	C-1107	8,000 PSI

3. UNLESS NOTED OTHERWISE, ALL CONNECTIONS SHALL BE SHEAR TYPE CONNECTIONS EXCEPT AS NOTED OTHERWISE AND DESIGNED BY THE FABRICATOR FOR THE FACTORED SHEAR FORCES INDICATED ON PLAN IN ACCORDANCE WITH THE AISC SPECIFICATIONS FOR LOAD AND RESISTANCE FACTOR DESIGN. MINIMUM BOLT DIAMETER SHALL BE 3/4". UNLESS NOTED OTHERWISE, ALL BOLTS SHALL BE SHEAR/BEARING TYPE BOLTS AND BE "SNUG-TIGHT".
4. ALL WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1 USING E70XX ELECTRODES. UNLESS NOTED OTHERWISE, PROVIDE CONTINUOUS MINIMUM SIZED FILLET WELDS PER AWS REQUIREMENTS. ALL FILLER MATERIAL SHALL HAVE A MINIMUM YIELD STRENGTH OF 58 KSI. PROOF OF WELDER CERTIFICATION SHALL BE AVAILABLE AT THE JOB SITE DURING TIMES OF INSPECTION.
5. HOLES IN STEEL SHALL BE DRILLED OR PUNCHED. ALL SLOTTED HOLES SHALL BE PROVIDED WITH SMOOTH EDGES. BURNING OF HOLES AND TORCH CUTTING AT THE SITE IS NOT PERMITTED.
6. UNLESS NOTED OTHERWISE, ALL STRUCTURAL STEEL PERMANENTLY EXPOSED TO VIEW SHALL BE SHOP PAINTED WITH ONE COAT OF SSPC 15-68. TYPE 1 (RED OXIDE) PAINT.
7. THE STRUCTURAL STEEL ERECTOR SHALL PROVIDE ALL TEMPORARY GUYING AND BRACING (SEE 'GENERAL STRUCTURAL NOTES').
8. COLUMNS, ANCHOR BOLTS, BASE PLATES, ETC., HAVE BEEN DESIGNED FOR THE FINAL COMPLETED CONDITION AND HAVE NOT BEEN INVESTIGATED FOR POTENTIAL LOADING ENCOUNTERED DURING STEEL ERECTION AND CONSTRUCTION. ANY INVESTIGATION OF THE COLUMNS, ANCHOR BOLTS, BASE PLATES, ETC. FOR ADEQUACY DURING THE STEEL ERECTION AND CONSTRUCTION PROCESS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
9. PROTECTIVE COATINGS DAMAGED DURING THE TRANSPORTING, ERECTING, AND FIELD WELDING PROCESSES SHALL BE REPAIRED IN THE FIELD TO MATCH THE SHOP APPLIED COATING.
10. UNLESS NOTED OTHERWISE, ALL BEAM CONNECTIONS SHALL BE STANDARD FRAMED OR SEATED CONNECTIONS AS SHOWN IN THE AISC MANUAL OF STEEL CONSTRUCTION. UNLESS GREATER REACTIONS ARE INDICATED ON THE DRAWINGS, THE CONNECTIONS SHALL DEVELOP AT LEAST ONE HALF OF THE TOTAL UNIFORM LOAD CAPACITY TABULATED IN THE TABLES OF THE MANUAL FOR THE GIVEN SIZE AND SPAN OF THE BEAM IN QUESTION. IN NO CASE SHALL THE LENGTH OF THE FRAME CONNECTIONS BE LESS THAN ONE HALF OF THE "T" DISTANCE OF THE BEAM WEB.
11. PROVIDE STIFFENER PLATES ON EACH SIDE OF THE WEB OF BEAM OR GIRDER AT POINTS OF CONCENTRATED LOADS OR SEATED BEAM BEARING LOCATIONS. MINIMUM STIFFENER THICKNESS SHALL BE 1/2" UNLESS NOTED OTHERWISE.
12. ALL STEEL COMPONENTS IN CONTACT WITH EACH OTHER TO BE WELDED WITH THE LARGER OF 1/4" WELD OR MIN. SIZED WELDS PER AISC REQUIREMENTS. WELD ALL AROUND EDGES AND PERIMETERS OF ALL AFFECTED MEMBERS, UNLESS NOTED OTHERWISE ON THE INDIVIDUAL DETAILS.
13. ALL STEEL EXPOSED TO WATER, MOISTURE, AND / OR CORROSIVES SHALL BE COVERED WITH APPROPRIATE PROTECTIVE APPROVED COATING MATERIALS.
14. ALL SHOP DRAWINGS SUBMITTED FOR APPROVAL (IF INCLUDED IN THE CONTRACT) NEED TO BE SEALED, SIGNED, AND DATED BY A REGISTERED ENGINEER IN THE STATE THE PROJECT IS TO BE BUILT.

CAST-IN-PLACE CONCRETE NOTES

1. DESIGN OF CONCRETE STRUCTURAL ELEMENTS INCLUDING WALLS, FORMED SLABS, BEAMS, AND COLUMNS IS IN ACCORDANCE W/ ACI 318-14 (BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE)
2. CONCRETE MIXES SHALL BE DESIGNED PER ACI 301 USING PORTLAND CEMENT, AGGREGATES AND ADMIXTURES CONFORMING TO ASTM REQUIREMENTS. CONCRETE SHALL BE READY-MIXED IN ACCORDANCE WITH ASTM REQUIREMENTS.
3. CONCRETE SHALL CONFORM TO THE FOLLOWING COMPRESSIVE STRENGTH, SLUMP AND WATER/CEMENT RATIO REQUIREMENTS:

CONCRETE	MIN. f'c (28 DAYS)	SLUMP*	W/C RATIO
COLUMNS	4,000 PSI	2" TO 4"	.46
ELEVATED SLABS	4,000 PSI	2" TO 4"	.46
CONCRETE NOT NOTED	3,000 PSI	2" TO 4"	.50
FOUNDATION	3,000 PSI	2" TO 4"	.50
SLABS-ON-GRADE	3,000 PSI	2" TO 4"	.50

4. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF THE ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE."
5. ALL REINFORCING STEEL SHALL CONFORM TO ASTM REQUIREMENTS GRADE 60. ALL WELDING OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH AWS REQUIREMENTS. EPOXY COATED REINFORCING SHALL CONFORM TO ASTM REQUIREMENTS.
6. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 GRADE 60.
7. 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.
8. REINFORCING STEEL, INCLUDING HOOKS AND BENDS, SHALL BE DETAILED IN ACCORDANCE WITH LATEST EDITION OF THE ACI 318. ALL REINFORCED STEEL INDICATED AS BEING CONTINUOUS ("CONT.") SHALL HAVE MINIMUM LAP OF "B" TYPE (ACI 318-14) AT SPLICES UNLESS NOTED OTHERWISE.
9. UNLESS NOTED OTHERWISE, MINIMUM CONCRETE COVER SHALL BE PROVIDED IN ACCORDANCE WITH ACI 318-14.
10. BAR SUPPORTS SHALL BE PROVIDED FOR ALL REINFORCING STEEL TO INSURE MINIMUM SUPPORT AND HOLDING BARS SHALL BE PER CONCRETE COVER. BAR SUPPORTS SHALL BE PLASTIC TIPPED OR STAINLESS STEEL.
11. UNLESS OTHERWISE NOTED ON THE INDIVIDUAL DETAILS, ALL CONCRETE WALLS (OTHER THAN RETAINING WALLS AND BASEMENT WALLS) SHALL HAVE MINIMUM REINFORCEMENT AS FOLLOWS:

WALL THICKNESS	HORIZONTAL	VERTICAL	LOCATION
4" TO 6"	#4 @ 16" O.C.	#4 @ 16" O.C.	CENTERED
8"	#4 @ 12" O.C.	#4 @ 12" O.C.	CENTERED
10"	#4 @ 16" O.C.	#4 @ 16" O.C.	EACH FACE
12"	#4 @ 12" O.C.	#4 @ 12" O.C.	EACH FACE

12. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION THAT ALL MATERIALS CONFORM TO THE QUALITY STANDARDS SPECIFIED IN THE APPLICABLE BUILDING CODE.
13. IN ORDER TO AVOID CONCRETE SHRINKAGE OR CRACKING, PLACE CONCRETE SLABS IN ALTERNATING LANE PATTERN. THE MAXIMUM LENGTH OF SLAB CAST IN ANY ONE CONTINUOUS POUR SHALL BE LIMITED TO 80 FEET.
14. FORM WORK SHALL REMAIN IN PLACE UNTIL CONCRETE HAS OBTAINED AT LEAST 90% OF ITS 28 DAY COMPRESSIVE STRENGTH. THE CONTRACTOR SHALL PROVIDE ALL SHORING AND RE-SHORING.
15. PROVIDE CONSTRUCTION JOINTS IN ALL CONCRETE WORK AS REQUIRED BY THE ACI CODE OR AS SHOWN ON THE INDIVIDUAL DETAILS.
16. ALL STEEL EXPOSED TO WATER, MOISTURE, AND / OR CORROSIVES SHALL BE COVERED WITH APPROPRIATE PROTECTIVE APPROVED COATING MATERIALS.
17. RESULTS FOR ALL CONCRETE COMPRESSIVE STRENGTH TESTS SHALL BE AVAILABLE ON THE JOB SITE FOR REVIEW BY THE INSPECTOR

MASONRY NOTES

1. MASONRY CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF THE "SPECIFICATIONS FOR MASONRY STRUCTURES" (ACI 350) PUBLISHED BE THE AMERICAN CONCRETE INSTITUTE.
2. HOLLOW LOAD-BEARING MASONRY UNITS SHALL CONFORM TO ASTM REQUIREMENTS. THE MINIMUM PRISM COMPRESSIVE STRENGTH (f 'm) SHALL BE 1,550 PSI AT AN AGE OF 28 DAYS, AS DETERMINED BY THE UNIT STRENGTH METHOD OF ACI 530.
3. FILL ALL BOND BEAMS AND REINFORCED CELLS SOLIDLY WITH GROUT. GROUT SHALL CONFORM TO ASTM REQUIREMENTS AND SHALL OBTAIN A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2,500 PSI.
4. REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ASTM REQUIREMENTS, GRADE 60. SHOP FABRICATE REINFORCING BARS WHICH ARE SHOWN TO BE HOOKED OR BENT. PROVIDE A MINIMUM LAP OF 48 TIMES THE BAR DIAMETERS AT ALL SPLICES, UNLESS NOTED OTHERWISE.
5. THE USE OF MASONRY-CEMENT MORTAR IS STRICTLY PROHIBITED. MORTAR SHALL CONFORM TO ASTM REQUIREMENTS: ALL MORTAR SHALL MEET THE "PROPORTION SPECIFICATION" OF ASTM REQUIREMENTS AND BE MADE WITH PORTLAND CEMENT LIME (NON AIR-ENTRAINED).
6. UNLESS NOTED OTHERWISE, ALL WALLS SHALL BE LAID IN RUNNING BOND. BOND CORNERS AND INTERSECTIONS OF LOAD BEARING WALLS.
7. VERTICAL REINFORCEMENT OF AT LEAST (1) #4 BAR SHALL BE PROVIDED AT CORNERS, WITHIN 16" OF EACH SIDE OPENINGS, WITHIN 8" OF THE ENDS OF WALLS, AND AT A MAXIMUM SPACING OF 10' ON CENTER. PROVIDE BARS AT ALL WALL CORNERS, INTERSECTIONS, AND OPENING EDGES.
8. PROVIDE REBAR DOWELS FROM FOUNDATIONS TO MATCH VERTICAL REINFORCING SIZE AND SPACING. DOWELS SHALL HAVE STANDARD 90 DEGREE HOOKS AND LAP WITH THE FIRST LIFT OF REINFORCING.
9. PROVIDE HORIZONTAL BOND WITH CONTINUOUS REINFORCING AS INDICATED. BOND BEAM REINFORCEMENT SHALL BE AT LEAST (2) #5 BARS SPACED NO MORE THAN 7' O.C. DISCONTINUE ALL HORIZONTAL REINFORCING AT CONTROL JOINTS EXCEPT FOR THE BOND BEAMS AT BEARING ELEVATIONS. INTERMEDIATE BOND BEAMS SHALL BE PROVIDED AS REQUIRED.
10. PROVIDE STANDARD 9 GAUGE HORIZONTAL JOINT REINFORCING AT 16 INCHES ON CENTER IN ALL WALLS. PROVIDE TRUSS TYPE JOINT REINFORCING FOR ALL CONCRETE MASONRY. COORDINATE BRICK TIE-BACK REQUIREMENTS WITH THE ARCHITECTURAL DRAWINGS. UNLESS NOTED OTHERWISE, STOP ALL HORIZONTAL JOINT REINFORCING AT CONTROL JOINTS.
11. PROVIDE BOND BEAM LINTELS AND BRICK SHELF ANGLES ABOVE ALL WALL OPENINGS PER TYPICAL DETAILS. SEE ARCHITECTURAL DRAWINGS FOR ALL LOCATIONS OF WINDOW AND DOOR OPENINGS.
12. PROVIDE STEEL JOIST AND BEAM BEARING PLATES AND OTHER ACCESSORIES AS INDICATED. PROVIDE THREE COURSES OF SOLIDLY GROUTED CMU BELOW ALL BEAM BEARINGS OVER THE WIDTH OF 2'-8", CENTERED ON THE WALL, UNLESS NOTED OTHERWISE.
13. PROVIDE CMU CONTROL JOINTS AS INDICATED, WITH ADDITIONAL JOINTS SO THAT THE SPACING BETWEEN JOINTS DOES NOT EXCEED A SPACING OF 3 x THE WALL HEIGHT (35 FEET MAXIMUM). WHERE BEAMS OR LINTELS BEAR AT CMU CONTROL JOINTS OFFSET AND LAP THE VERTICAL REINFORCING AS INDICATED.
14. THE MASONRY CONTRACTOR SHALL PROVIDE ALL REQUIRED TEMPORARY WALL BRACING DURING CONSTRUCTION (SEE GENERAL STRUCTURAL NOTES).
15. PROVIDE CONSTRUCTION JOINTS IN ALL MASONRY WORK AS REQUIRED BY THE ACI CODE OR AS SHOWN ON THE INDIVIDUAL DETAILS.
16. ALL STEEL EXPOSED TO WATER, MOISTURE, AND / OR CORROSIVES SHALL BE COVERED WITH APPROPRIATE PROTECTIVE APPROVED COATING MATERIALS.
17. BRICK VENEER ANCHORED TO STUD WALLS SHALL UTILIZE WIRE ANCHORS AT 16" O.C. VERTICALLY AND HORIZONTALLY. WIRE ANCHORS SHALL BE AT LEAST WIRE SIZE W1.7 AND HAVE ENDS BEND TO FORM AN EXTENSION FROM THE BEND AT LEAST 2" LONG. WIRE ANCHORS SHALL BE WITHOUT DRIPS. WIRE ANCHORS SHALL BE PLACED AS FOLLOWS: A) WITH SOLID UNITS, EMBED ANCHORS IN THE MORTAR JOINT AND EXTEND INTO THE VENEER A MINIMUM OF 1½" WITH AT LEAST ⅝" MORTAR COVER TO THE OUTSIDE FACE. B) WITH HOLLOW UNITS, EMBED ANCHORS IN MORTAR OR GROUT AND EXTEND INTO THE VENEER A MINIMUM OF 1½" WITH AT LEAST ⅝" MORTAR OR GROUT COVER TO THE OUTSIDE FACE.

2018 IBC TABLE 2304.9.1
FASTENER SCHEDULE FOR STRUCTURAL MEMBERS
(FOR USE ONLY WHERE CONNECTIONS ARE NOT OTHERWISE SPECIFIED WITHIN PLANS)

CONNECTION	FASTENING [a,m]	LOCATION
1. JOIST TO SILL OR GIRDER	3 - 8d COMMON (2½" x 0.131") 3 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES	TOE NAIL
2. BRIDGING TO JOIST	2 - 8d COMMON (2½" x 0.131") 2 - 3" x 0.131" NAILS 2 - 3" 14 GAGE STAPLES	TOE NAIL EACH END
3. 1"x6" SUBFLOOR OR LESS TO EACH JOIST	2 - 8d COMMON (2½" x 0.131")	FACE NAIL
4. WIDER THAN 1"x6" SUBFLOOR TO EACH JOIST	3 - 8d COMMON (2½" x 0.131")	FACE NAIL
5. 2" SUBFLOOR TO JOIST OR GIRDER	2 - 16d COMMON (3½" x 0.162")	BLIND & FACE NAIL
6. SOLE PLATE TO JOIST OR BLOCKING	16d (3½" x 0.135") @ 16" O.C. 3" x 0.131" NAIL @ 8" O.C. 3" 14 GAGE STAPLES @ 12" O.C.	TYPICAL FACE NAIL
SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL PANEL	3 - 16d (3½" x 0.135") @ 16" O.C. 4 - 3" x 0.131" NAILS @ 16" O.C. 4 - 3" 14 GAGE STAPLES @ 16" O.C.	BRACED WALL PANELS
7. TOP PLATE TO STUD	2 - 16d COMMON (2½" x 0.131") 3 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES	END NAIL
8. STUD TO SOLE PLATE	4 - 8d COMMON (2½" x 0.131") 4 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES	TOE NAIL
	2 - 16d COMMON (3½" x 0.162") 3 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES	END NAIL
9. DOUBLE STUDS	16d (3½" x 0.135") @ 24" O.C. 3" x 0.131" NAIL @ 8" O.C. 3" 14 GAGE STAPLE @ 8" O.C.	FACE NAIL
10. DOUBLE TOP PLATES	16d (3½" x 0.135") @ 16" O.C. 3" x 0.131" NAIL @ 12" O.C. 3" 14 GAGE STAPLE @ 12" O.C.	TYPICAL FACE NAIL
DOUBLE TOP PLATES	8 - 16d COMMON (3½" x 0.162") 12 - 3" x 0.131" NAILS 12 - 3" 14 GAGE STAPLES	LAP SPLICE
11. BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	3 - 8d COMMON (2½" x 0.131") 3 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES	TOE NAIL
12. RIM JOIST TO TOP PLATE	8d (2½" x 0.131") @ 6" O.C. 3" x 0.131" NAIL @ 6" O.C. 3" 14 GAGE STAPLE @ 6" O.C.	TOE NAIL
13. TOP PLATES, LAPS AND INTERSECTIONS	2 - 16d COMMON (3½" x 0.162") 3 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES	FACE NAIL
14. CONTINUOUS HEADER, TWO PIECES	16d COMMON (3½" x 0.162")	16" O.C. ALONG EDGE
15. CEILING JOISTS TO PLATE	3 - 8d COMMON (2½" x 0.131") 5 - 3" x 0.131" NAILS 5 - 3" 14 GAGE STAPLES	TOE NAIL
16. CONTINUOUS HEADER TO STUD	4 - 8d COMMON (2½" x 0.131")	TOE NAIL
17. CEILING JOISTS, LAPS OVER PARTITIONS (SEE SECTION 2308.10.4.1, TABLE 2308.10.4.1)	3 - 16d COMMON (3½" x 0.162") MIN. TABLE 2308.10.4.1 4 - 3" x 0.131" NAILS 4 - 3" 14 GAGE STAPLES	FACE NAIL
18. CEILING JOISTS TO PARALLEL RAFTERS (SEE SECTION 2308.10.4.1, TABLE 2308.10.4.1)	3 - 16d COMMON (3½" x 0.162") MIN. TABLE 2308.10.4.1 4 - 3" x 0.131" NAILS 4 - 3" 14 GAGE STAPLES	FACE NAIL
19. RAFTER TO PLATE (SEE SECTION 2308.10.1, TABLE 2308.10.1)	3 - 8d COMMON (2½" x 0.131") MIN. 3 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES	TOE NAIL
20. 1" DIAGONAL BRACE TO EACH STUD & PLATE	2 - 8d COMMON (2½" x 0.131") 2 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES	FACE NAIL
21. 1"x8" SHEATHING TO EACH BEARING	3 - 8d COMMON (2½" x 0.131")	FACE NAIL
22. WIDER THAN 1"x8" SHEATHING TO EACH BEARING	3 - 8d COMMON (2½" x 0.131")	FACE NAIL
23. BUILT-UP CORNER STUDS	16d COMMON (3½" x 0.162") 3" x 0.131" NAILS 3" 14 GAGE STAPLES	24" O.C. 16" O.C. 16" O.C.
24. BUILT-UP GIRDER AND BEAMS	20d COMMON (4" x 0.192") @ 32" O.C. 3" x 0.131" NAIL @ 24" O.C. 3" 14 GAGE STAPLE @ 24" O.C.	FACE NAIL AT TOP & BOTTOM, STAGGERED ON OPPOSITE SIDES
	2 - 20d COMMON (4" x 0.192") 3 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES	FACE NAIL AT ENDS AND AT EACH SPLICE
25. 2" PLANKS	16d COMMON (3½" x 0.162")	AT EACH BEARING
26. COLLAR TIE TO RAFTER	3 - 10d COMMON (3" x 0.148") 4 - 3" x 0.131" NAILS 4 - 3" 14 GAGE STAPLES	FACE NAIL
27. JACK RAFTER TO HIP	3 - 10d COMMON (3" x 0.148") 4 - 3" x 0.131" NAILS 4 - 3" 14 GAGE STAPLES	TOE NAIL
	2 - 16d COMMON (3½" x 0.162") 3 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES	FACE NAIL
28. ROOF RAFTER TO 2-BY RIDGE BEAM	2 - 16d COMMON (3½" x 0.162") 3 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES	TOE NAIL
	2 - 16d COMMON (3½" x 0.162") 3 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES	FACE NAIL
29. JOIST TO BAND JOIST	3 - 16d COMMON (3½" x 0.162") 4 - 3" x 0.131" NAILS 4 - 3" 14 GAGE STAPLES	FACE NAIL
30. LEDGER STRIP	3 - 16d COMMON (3½" x 0.162") 4 - 3" x 0.131" NAILS 4 - 3" 14 GAGE STAPLES	FACE NAIL AT EACH JOIST
31. WOOD STRUCTURAL PANELS AND PARTICLEBOARD SUBFLOOR, ROOF & WALL SHEATHING (TO FRAMING)	½" AND LESS: 6d [c,l]; 2⅜" x 0.113" NAIL [n]; 1¾" 16 GAGE [o] 19/32" TO ¾": 8d [d] OR 6d [e]; 2⅜" x 0.113" NAIL [p]; 2" 16 GAGE [p] ⅞" TO 1": 8d [c] 1⅛" TO 1¼": 10d [d] OR 8d [d]	- - -
SINGLE FLOOR (COMBINATION SUBFLOOR - UNDERLAYMENT TO FRAMING)	¾" AND LESS: 6d [e] ⅞" TO 1": 8d [e] 1⅛" TO 1¼": 10d [d] OR 8d [e]	
32. PANEL SIDING (TO FRAMING)	½" OR LESS: 6d [f] ⅝": 8d [f]	- - -
33. FIBERBOARD SHEATHING [g]	½": No. 11 GAGE ROOFING NAIL [h]; 6d COMMON NAIL (2" x 0.113") 25/32": No. 11 GAGE ROOFING NAIL [h]; 8d COMMON NAIL (2½" x 0.113"); No. 16 GAGE STAPLE [i]	- - -
34. INTERIOR PANELING	¼": 4d [j] ⅜": 6d [k]	- - -

FOR SI: 1 INCH = 25.4 mm.
- a. COMMON OR BOX NAILS ARE PERMITTED TO BE USED EXCEPT WHERE OTHERWISE STATED.
- b. NAILS SPACED AT 6 INCHES ON CENTER AT EDGE, 12 INCHES AT INTERMEDIATE SUPPORTS EXCEPT 6 INCHES AT SUPPORTS WHERE SPANS ARE 48 INCHES OR MORE. FOR NAILING OF WOOD STRUCTURAL PANEL AND PARTICLEBOARD DIAPHRAGMS AND SHEAR WALLS, REFER TO SECTION 2305. NAILS FOR WALL SHEATHING ARE PERMITTED TO BE COMMON, BOX OR CASING.
- c. COMMON OR DEFORMED SHANK (6d - 2" x 0.113"; 8d - 2½" x 0.131"; 10d - 3" x 0.148").
- d. COMMON (6d - 2" x 0.113"; 8d - 2½" x 0.131"; 10d - 3" x 0.148").
- e. DEFORMED SHANK (6d - 2" x 0.113"; 8d - 2½" x 0.131"; 10d - 3" x 0.148").
- f. CORROSION-RESISTANT SIDING (6d - 1⅞" x 0.106"; 8d - 2⅜" x 0.128") OR CASING (6d - 2" x 0.099"; 8d - 2½" x 0.113") NAIL.
- g. FASTENERS SPACED 3 INCHES ON CENTER AT EXTERIOR EDGES AND 6 INCHES ON CENTER AT INTERMEDIATE SUPPORTS, WHEN USED AS STRUCTURAL SHEATHING. SPACING SHALL BE 6 INCHES ON CENTER ON THE EDGES AND 12 INCHES ON CENTER AT INTERMEDIATE SUPPORTS FOR NONSTRUCTURAL APPLICATIONS.
- h. CORROSION-RESISTANT ROOFING NAILS WITH 7/16-INCH DIAMETER HEAD AND 1½-INCH LENGTH FOR ½-INCH SHEATHING AND 1¾-INCH LENGTH FOR 25/32-INCH SHATHING.
- i. CORROSION-RESISTANT STAPLES WITH NOMINAL 7/16-INCH CROWN AND 1⅛-INCH LENGTH FOR ½ -INCH SHEATHING AND 1½-INCH LENGTH FOR 25/32-INCH SHEATHING. PANEL SUPPORTS AT 16 INCHES (20 INCHES IF STRENGTH AXIS IN THE LONG DIRECTION OF THE PANEL, UNLESS OTHERWISE MARKED.)
- j. CASING (1½" x 0.080") OR FINISH (1½" x 0.072") NAILS SPACED AT 6 INCHES ON PANEL EDGES, 12 INCHES AT INTERMEDIATE SUPPORTS.
- k. PANEL SUPPORT AT 24 INCHES. CASING OR FINISH NAILS SPACED AT 6 INCHES ON PANEL EDGES, 12 INCHES AT INTERMEDIATE SUPPORTS.
- l. FOR ROOF SHEATHING APPLICATIONS, 8d NAILS (2½" x 0.113") ARE THE MINIMUM REQUIRED FOR WOOD STRUCTURAL PANELS.
- m. STAPLES SHALL HAVE A MINIMUM CROWN WIDTH OF 7/16-INCH.
- n. FOR ROOF SHEATHING APPLICATIONS, FASTENERS SPACED 4 INCHES ON CENTER AT EDGES, 8 INCHES AT INTERMEDIATE SUPPORTS.
- o. FASTENERS SPACED 4 INCHES ON CENTER AT EDGES, 8 INCHES AT INTERMEDIATE SUPPORTS FOR SUBFLOOR AND WALL SHEATHING AND 3 INCHES ON CENTER AT EDGES, 6 INCHES AT INTERMEDIATE SUPPORTS FOR ROOF SHEATHING.
- p. FASTENERS SPACED 4 INCHES ON CENTER AT EDGES, 8 INCHES AT INTERMEDIATE SUPPORTS.

skywark ENGINEERING

3855 Shallowford Road
Suite 620
Marietta, Georgia 30062

770 | 641 | 9219
770 | 641 | 9734 Fax

GARDEN HILLS FIELDHOUSE

2850 SHERIDAN DRIVE
ATLANTA, GA 30305

SUBMITTALS:

DATE	DESCRIPTION
10/07/25	FOR PERMIT

STATUS:
☒ RELEASED FOR CONSTRUCTION
☐ NOT RELEASED FOR CONSTRUCTION

SHEET TITLE:

STRUCTURAL DESIGN NOTES

JOB NUMBER: 23303
ENGINEER: SS
DRAFTSMAN: SS
CHECKED BY: CA

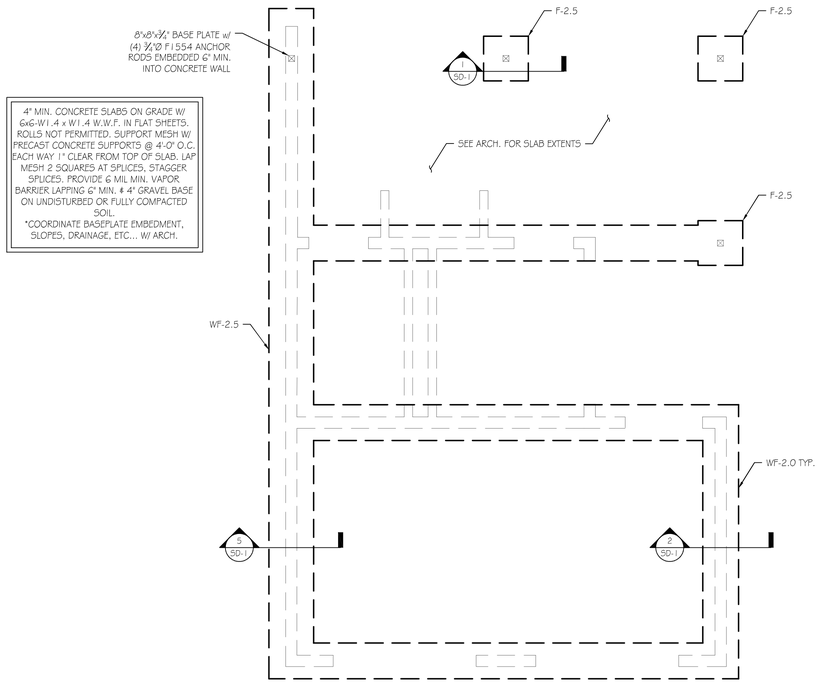
GEORGIA REGISTERED No. PE048211 PROFESSIONAL ENGINEER SAVANNAH C. SALTIE

SHEET NUMBER: S-0

FOUNDATION LEGEND	
FOOTING OR FOUNDATION	
MAIN LEVEL WALL ABOVE	
COLUMN OR STUD PACK ABOVE	⊠

WALL FOOTING SCHEDULE	
WF-2.0	2'-0" WIDE x 12" DEEP CONT. FOOTING W/ (3) #4 BARS CONT. & #4 BARS @ 2'-0" O.C. 3" FROM THE BOTTOM OF THE FOOTING (BEND & LAP 30" @ CORNERS)
WF-2.5	2'-6" WIDE x 12" DEEP CONT. FOOTING W/ (4) #5 BARS CONT. & #5 BARS @ 2'-0" O.C. 3" FROM THE BOTTOM OF THE FOOTING (BEND & LAP 30" @ CORNERS)

FOOTING SCHEDULE	
F-2.5	2'-6" x 2'-6" x 12" DEEP FOOTING W/ #4 BARS @ 7" O.C. E.W. 3" FROM THE BOTTOM OF THE FOOTING



1 / S-1 FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

FOUNDATION NOTES:

1. FOUNDATION DESIGNED BASED ON ASSUMED 2000 PSF ALLOWABLE SOIL BEARING CAPACITY.
2. SOLE / SILL PLATES TO BE ANCHORED TO THE FOUNDATION WITH ½"Ø ANCHOR BOLTS @ A MAXIMUM OF 6'-0" O.C. MINIMUM (2) BOLTS PER PLATE SECTION AND (1) BOLT WITHIN 12" FROM END OF PLATE SECTION. MINIMUM 7" EMBEDMENT INTO MASONRY OR CONCRETE.
3. SEE SHEET S-0 FOR ADDITIONAL NOTES.

skywark ENGINEERING
3855 Shallowford Road
Suite 620
Marietta, Georgia 30062
770 | 641 | 9219
770 | 641 | 9734 Fax

GARDEN HILLS FIELDHOUSE

2850 SHERIDAN DRIVE
ATLANTA, GA 30305

SUBMITTALS:	
DATE	DESCRIPTION
10/07/25	FOR PERMIT

STATUS:
☒ RELEASED FOR CONSTRUCTION
☐ NOT RELEASED FOR CONSTRUCTION

SHEET TITLE:
FOUNDATION PLAN

JOB NUMBER:	23303
ENGINEER:	SS
DRAFTSMAN:	SS
CHECKED BY:	CA

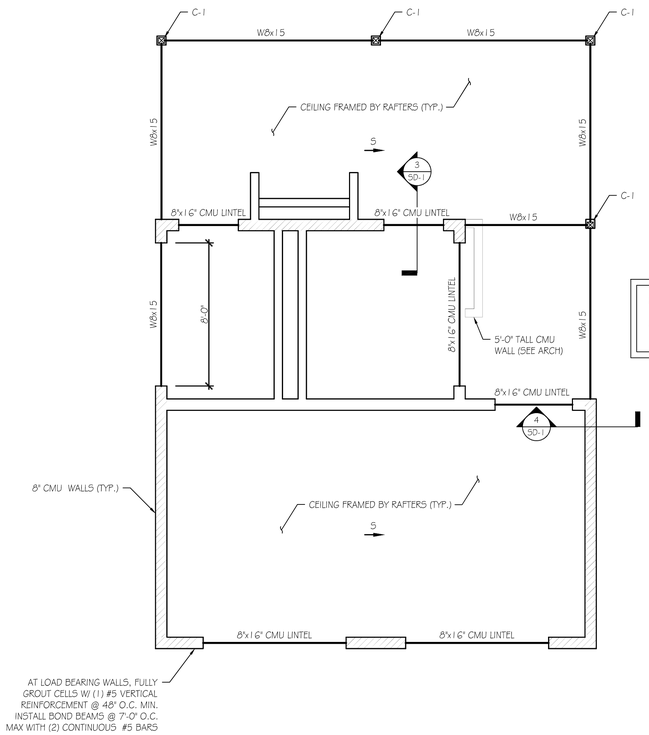
GEORGIA REGISTERED No. PE048211 PROFESSIONAL ENGINEER HANNAH C. SALTER

SHEET NUMBER: S-1

CEILING FRAMING LEGEND	
MAIN 8" CMU WALLS	
HEADERS OR BEAMS	
COLUMN OR STUD PACK BELOW	⊠
SLOPED CEILING	S
LOAD BEARING WALLS	

COLUMN SCHEDULE	
C-1	HSS 4x4x¼ STEEL COLUMN

ALL STEEL & FRAMING SHOP DWGS TO BE REVIEWED & APPROVED PRIOR TO CONSTR. SHOP DRAWINGS ARE TO INCLUDE ALL PREFERRED CONNECTION DETAILS & WELD SPECIFICATIONS.



FULLY GROUT & REINFORCE ALL CORNERS & AT EACH END OF EACH WALL SEGMENT W/ (1) #5 VERTICAL BAR (TYP.)

1 S-2 CEILING FRAMING PLAN
SCALE: 1/4" = 1'-0"

CEILING FRAMING NOTES:

1. ONLY BRACE RAFTERS ON CEILING BEAMS OR LOAD BEARING WALLS.
2. THE ENDS OF ALL BEAMS AND JOISTS ARE TO BE RESTRAINED TO PREVENT ROTATION. ALL FLUSH BEAMS ARE TO BE CONTINUOUSLY BRACED ALONG THE SIDES. ALL DROPPED BEAMS ARE TO BE CONTINUOUSLY BRACED ALONG THE TOP FACE.
3. DO NOT USE MULTI-BEARING JOISTS (UNLESS NOTED OTHERWISE). LAP JOISTS BY THE THICKNESS OF BEARING WALL (MINIMUM 3") AND DO NOT EXTEND BEYOND THE WALL (UNLESS NOTED OTHERWISE).
4. IN CEILING CAVITIES, PROVIDE BLOCKING UNDER ALL CONCENTRATED LOADS AND AT ALL BEAMS & HEADERS.
5. WHERE REQUIRED, PROVIDE ADEQUATE AND PROPER FLASHING AGAINST WATER INTRUSION (TYP.).

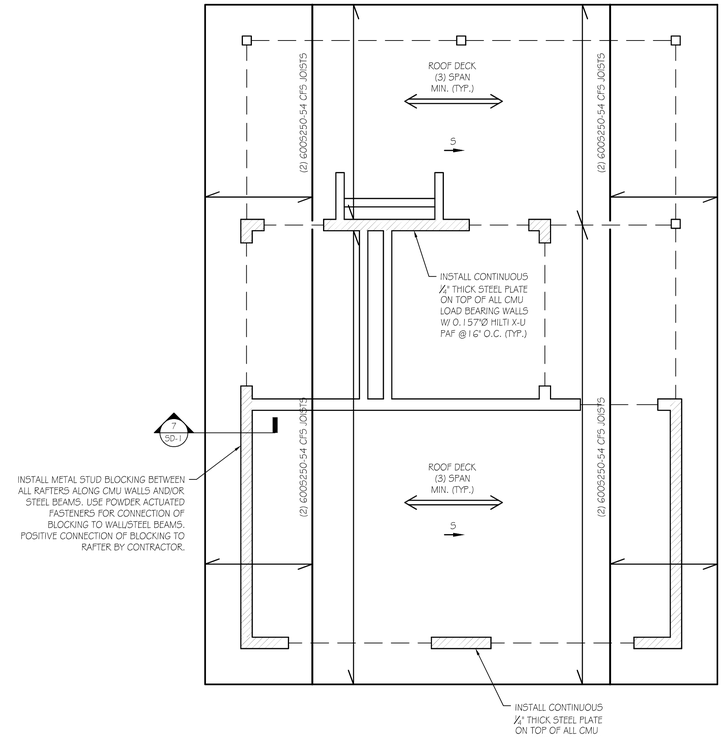
MAIN LEVEL WALL (BELOW CEILING) FRAMING NOTES:

1. LOAD BEARING WALLS TO BE 8" THICK CMU WALLS W/ 14'-0" MAXIMUM HEIGHT (UNLESS NOTED OTHERWISE).
2. SEE PLAN AND S-0 FOR DETAILS.
3. ALL COLUMNS TO BE BRACED AT TOP AND BOTTOM.

ROOF DESIGN LOADS	
LIVE LOAD	20 PSF
DEAD LOAD	10 PSF

ROOF FRAMING LEGEND	
ROOF LINES	
MAIN WALLS	
HEADERS OR BEAMS BELOW	
RAFTERS	
LOAD BEARING WALLS	
BUILT UP RAFTERS OR BEAMS	

ALL STEEL & FRAMING SHOP DWGS TO BE REVIEWED & APPROVED PRIOR TO CONSTR. SHOP DRAWINGS ARE TO INCLUDE ALL PREFERRED CONNECTION DETAILS & WELD SPECIFICATIONS.



2 S-2 ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"

ROOF FRAMING NOTES:

1. ALL RAFTERS TO BE 600S250-54 CFS JOISTS @ 24" O.C. (UNLESS NOTED OTHERWISE).
2. NO INTERMEDIATE BRACING OF BEAMS OR RAFTERS TO KNEE WALLS OR OTHER MEMBERS IS TO BE PROVIDED UNLESS SPECIFICALLY SHOWN OR STATED.
3. ROOF DECKING TO BE VULCRAFT TYPE "B" 1/2" 20 GA. W/ (4) SIDELAPS PER SPAN. PROVIDE 36/7 PATTERN ATTACHMENT @ INTERIOR SUPPORTS AND 6" O.C. ATTACHMENT @ BUILDING PERIMETER/EDGES OF DECK AND OVER INTERIOR BEAMS (36/7 PATTERN). PROVIDE ¾" PUDDLE WELD ATTACHMENTS @ INTERIOR SUPPORTS AND #10 TEK SCREW ATTACHMENTS @ SIDELAPS.
4. CONNECT RAFTERS TO STRUCTURAL STEEL AND/OR SUPPORTING BEAMS W/ "CLARK DIETRICH" EASY CLIPS WITH 1330 LBS. ALLOWABLE CAPACITY OR SIMILAR/EQUAL.
5. ONLY BRACE RAFTERS ON CEILING BEAMS OR LOAD BEARING WALLS.
6. ALL COLUMNS TO BE BRACED AT TOP AND BOTTOM.
7. WHERE REQUIRED, PROVIDE ADEQUATE AND PROPER FLASHING AGAINST WATER INTRUSION (TYP.).
8. STEEL SHOP DRAWINGS ARE TO BE PROVIDED FOR ENGINEER REVIEW PRIOR TO CONSTRUCTION.
9. SEE SHEET S-0 FOR ADDITIONAL NOTES.
10. SEE "SD" SHEET FOR ADDITIONAL DETAILING.

skywark ENGINEERING
3855 Shallowford Road
Suite 620
Marietta, Georgia 30062
770 | 641 | 9219
770 | 641 | 9734 Fax

GARDEN HILLS FIELDHOUSE

2850 SHERIDAN DRIVE
ATLANTA, GA 30305

SUBMITTALS:	
DATE	DESCRIPTION
10/07/25	FOR PERMIT

STATUS:
⊠ RELEASED FOR CONSTRUCTION
☐ NOT RELEASED FOR CONSTRUCTION

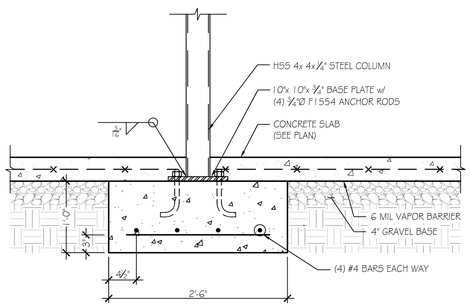
SHEET TITLE:

CEILING & ROOF PLAN

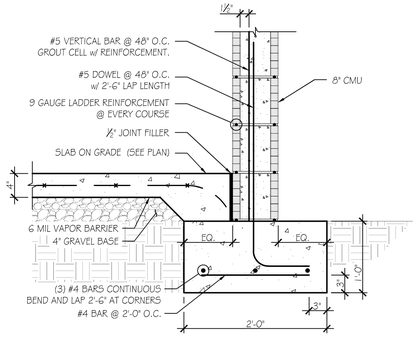
JOB NUMBER:	23303
ENGINEER:	SS
DRAFTSMAN:	SS
CHECKED BY:	CA

GEORGIA REGISTERED No. PE048211 PROFESSIONAL ENGINEER SAVANNAH C. SALTER

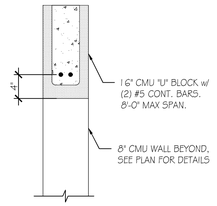
SHEET NUMBER: S-2



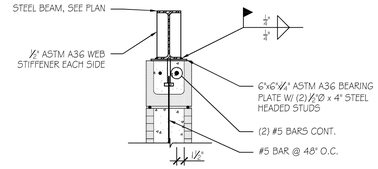
1 SD-1 SECTION
SCALE: N.T.S.



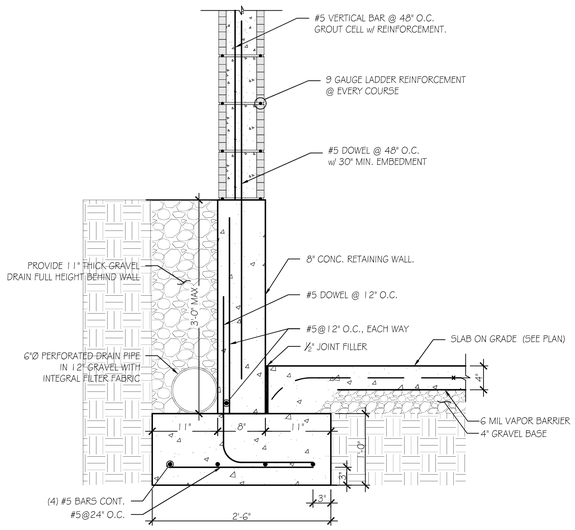
2 SD-1 SECTION
SCALE: N.T.S.



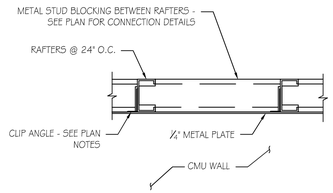
3 SD-1 SECTION
SCALE: N.T.S.



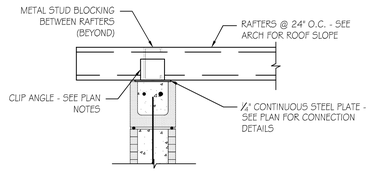
4 SD-1 SECTION
SCALE: N.T.S.



5 SD-1 SECTION
SCALE: N.T.S.



6 SD-1 SECTION
SCALE: N.T.S.



7 SD-1 SECTION
SCALE: N.T.S.

skywark ENGINEERING
3855 Shallowford Road
Suite 620
Marietta, Georgia 30062
770 | 641 | 9219
770 | 641 | 9734 Fax

GARDEN HILLS FIELDHOUSE

2850 SHERIDAN DRIVE
ATLANTA, GA 30305

SUBMITTALS:	
DATE	DESCRIPTION
10/07/25	FOR PERMIT

STATUS:
☒ RELEASED FOR CONSTRUCTION
☐ NOT RELEASED FOR CONSTRUCTION

SHEET TITLE:
STRUCTURAL DETAILS

JOB NUMBER:	23303
ENGINEER:	SS
DRAFTSMAN:	SS
CHECKED BY:	CA

GEORGIA REGISTERED No. PE048211 PROFESSIONAL ENGINEER HANNAH C. SALTER

SHEET NUMBER:
SD-1

GENERAL NOTES:

1. ALL DUCT PENETRATIONS THROUGH WALLS SHALL BE SEALED. THE INTERSTITIAL SPACE BETWEEN THE DUCT AND WALL SHALL BE SEALED WITH CAULK. WHEN FIRE, SMOKE, OR FIRE-SMOKE DAMPERS ARE USED, REFER TO THE MANUFACTURERS REQUIREMENTS FOR SEALING.
2. THIS FACILITY MEETS THE COUNTY'S CLEAN INDOOR AIR ORDINANCE FOR CLEAN AIR.
3. ALL FIRE DAMPERS AND FIRE/SMOKE DAMPERS SHALL HAVE A MINIMUM FIRE RESISTANCE RATING OF 1-1/2 HOURS U.N.O.
4. ALL MECHANICAL EQUIPMENT SHALL BE CONTROLLED BY A COMPUTERIZED ENERGY MANAGEMENT SYSTEM.
5. MECHANICAL CONTRACTOR SHALL COORDINATE AND PROVIDE ACCESS PANELS TO THE GENERAL CONTRACTOR TO INSTALL AS REQUIRED IN SPECIFICATION.
6. THE BID DOCUMENTS ARE DESIGNED BASED ON THE BASIS OF DESIGN. IF A LISTED "EQUAL" IS USED IT IS THE MECHANICAL CONTRACTOR'S RESPONSIBILITY TO MAKE ANY REVISIONS AND MODIFICATIONS REQUIRED TO ACCOMMODATE THE "EQUAL" MANUFACTURER AT NO ADDITIONAL COST TO THE OWNER.
7. PROVIDE AN EMERGENCY STOP BUTTON (MUSHROOM TYPE WITH COVER) LOCATED IN ADMINISTRATION AREA TO SHUT DOWN ALL EXHAUST FANS AND CLOSE ALL OUTSIDE AIR DAMPERS WHEN DEPRESSED.
8. MINIMUM 10' SEPARATION BETWEEN O.A. INTAKES AND EXHAUST OR PLUMBING VENTS.
9. COORDINATE THE EXACT LOCATION OF WALL MOUNTED SWITCHES AND SENSORS WITH DIVISION 26.
10. PROVIDE & INSTALL STEPDOWN TRANSFORMERS AS REQUIRED WHEN 120V IS PROVIDED FOR A 24V DEVICE.
11. ALL SUPPLY AND EXHAUST BRANCH DUCTS SHALL BE PROVIDED WITH VOLUME DAMPERS - ROUND AND RECTANGULAR DAMPERS SHALL BE PROVIDED WITH CONTINUOUS SQUARE SHAFT, END BEARINGS, 2" STANDOFF BRACKET AND LOCKING QUADRANTS.
12. VOLUME DAMPERS SHALL BE ACCESSIBLE VIA A STEP LADDER AND REACHING ABOVE THE CEILING.
13. BRANCH DUCTWORK SHALL BE THE SAME SIZE AS THE AIR DISTRIBUTION DEVICE SERVED U.N.O.
14. HVAC SYSTEM COMPONENT LOCATIONS ARE DIAGRAMMATIC IN NATURE. COORDINATE EQUIPMENT LOCATIONS WITH DUCTWORK, PIPING, CONDUIT, CABLING, & STRUCTURAL MEMBERS TO ENSURE THAT ALL MANUFACTURER'S REQUIRED CLEARANCES ARE MET. COORDINATE ROOF MOUNTED EQUIPMENT LOCATIONS WITH STRUCTURAL MEMBERS TO AVOID DUCT/STRUCTURE CONFLICTS.
15. CONTRACTOR SHALL COORDINATE EQUIPMENT VOLTAGES WITH THE ELECTRICAL CONTRACTOR AND ELECTRICAL PLANS PRIOR TO ORDERING.
16. ALL PENETRATIONS THROUGH A SMOKE PARTITION SHALL BE FIRE CAULKED AROUND THE PENETRATION SMOKE TIGHT. SEE ARCHITECTURAL LIFE SAFETY PLANS FOR WALL RATINGS.
17. WHERE MULTIPLE SPACES ARE SERVED BY A SINGLE UNIT ALL EXHAUST AND RETURN AIR PATHS SHALL BE PROVIDED WITH A MANUAL BALANCING DAMPER. WHERE BALANCING DAMPER IS NOT SHOWN ON PLAN, THE EXHAUST/RETURN GRILLE SHALL BE PROVIDED WITH AN O.B.D. ROUND AND RECTANGULAR DAMPERS SHALL BE PROVIDED WITH CONTINUOUS SQUARE SHAFT, END BEARINGS, 2" STANDOFF BRACKET AND LOCKING QUADRANTS.
18. ALL EQUIPMENT SHALL BE LABELED PER SPECIFICATION REQUIREMENTS. EQUIPMENT LABELS SHALL INCLUDE UNIT NUMBER AND ROOM NAME AND NUMBER OF THE SPACE SERVED.
19. ALL DUCTWORK, PIPING ETC. SHALL BE CONCEALED, LOCATED ABOVE CEILING OR IN CHASE U.N.O.
20. ALL EXHAUST FANS, RELIEF HOODS, FLUES AND PLUMBING VENTS SHALL BE A MINIMUM OF 10' FROM ANY OUTSIDE AIR INTAKES.
21. CONTRACTOR SHALL COORDINATE ALL CONTROL DEVICE ELECTRICAL REQUIREMENTS AND LOCATIONS WITH ELECTRICAL CONTRACTOR.
22. WHERE DUCTWORK, PIPING AND CONDUIT ARE NOT CONCEALED ABOVE A CEILING, THEY SHALL BE PAINTED. COORDINATE COLOR WITH GENERAL CONTRACTOR AND ARCHITECT.
23. WHERE DAMPERS, VALVES AND EQUIPMENT ARE LOCATED ABOVE A HARD CEILING, ACCESS PANELS SHALL BE PROVIDED AND INSTALLED. ACCESS PANELS SHALL BE A MINIMUM OF 18"x18" BUT SHALL BE LARGE ENOUGH TO PROVIDE ACCESS TO CONCEALED DEVICES. IF ACCESS PROVIDED IS NOT LARGE ENOUGH TO PROVIDE ACCESS TO CONCEALED DEVICE, THE ACCESS PANEL SHALL BE REPLACED WITH THE APPROPRIATE SIZE ACCESS PANEL. CONTRACTOR SHALL DEMONSTRATE ADEQUATE ACCESS HAS BE ACHIEVE TO THE OWNER.
24. MECHANICAL CONTRACTOR SHALL COORDINATE ALL DUCTWORK NOTED TO BE ROUTED IN THE JOIST BAY AND WEB WITH THE GENERAL CONTRACTOR FOR COORDINATION WITH THE STRUCTURAL FABRICATOR. THE GENERAL CONTRACTOR SHALL COORDINATE CROSS BRACING BETWEEN JOIST AND ROUTING OF DUCTWORK WITHIN JOIST.

FAN SCHEDULE								
MARK	CFM	DRIVE	E.S.P. (IN. W.G.)	HP	TYPE	SERVICE	BASIS OF DESIGN	NOTES
F-1	75	DIRECT	0.25	0.02	CEILING	ADA RESTROOM	GREENHECK SP-LP0511-1	1, 2
F-2	75	DIRECT	0.25	0.02	CEILING	RESTROOM	GREENHECK SP-LP0511-1	1, 2
F-3	300	DIRECT	0.375	0.25	SIDEWALL	STORAGE	GREENHECK AER-20-03-0605-VG	3, 4

NOTES:

1. PROVIDE WITH BACKDRAFT DAMPER, VIBRATION ISOLATION HANGERS, AND SPEED CONTROLLER.
2. CONTROL BY INTERLOCK WITH LIGHT SWITCH - SEE ELECTRICAL.
3. PROVIDE WITH AN OSHA MOTOR SIDE GUARD, BACKDRAFT DAMPER, AND WALL COLLAR.
4. PROVIDE WITH A THERMOSTAT MOUNTED ON THE SIDE OF THE FAN - SET POINT TO BE 80 DEG F (ADJUSTABLE).

ELECTRIC HEATER SCHEDULE					
MARK	KW	CFM	LOCATION	EH-BOD	NOTES
EH-1	3.0	600	ADA RESTROOM	MARKEL 3480 SERIES	1, 3, 4
EH-2	3.0	600	RESTROOM	MARKEL 3480 SERIES	1, 3, 4
EH-3	5.0	400	STORAGE	MARKEL UH SERIES	2, 3, 4

NOTES:

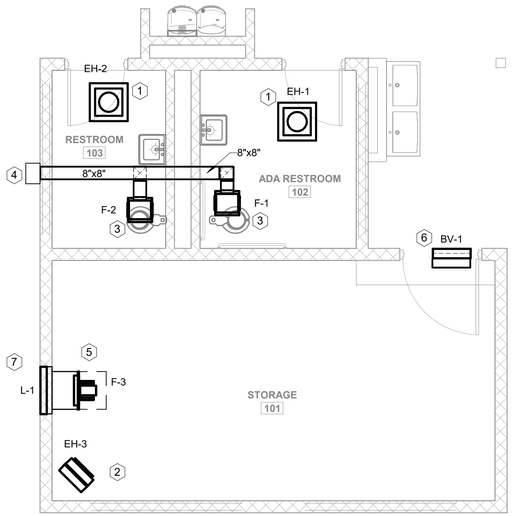
1. SUPPORT FROM STRUCTURE WITH THREADED RODS.
2. PROVIDE WALL BRACKET AND SUPPORT FROM WALL.
3. PROVIDE INTEGRAL THERMOSTAT.
4. SET THERMOSTAT AT 65 DEG F.

LOUVER/BRICK VENT SCHEDULE					
MARK	SIZE	FREE AREA SQ. FT.	SERVICE	BASIS OF DESIGN	NOTES
BV-1	24 X 8	0.5	STORAGE	RUSKIN BV100	1, 2, 3
L-1	32 X 32	3.9	STORAGE	GREENHECK ESD-435	1, 3

NOTES:

1. COORDINATE CUSTOM COLOR FROM FULL RANGE OF COLORS WITH ARCHITECT. PROVIDE WITH KYNAR FINISH.
2. PROVIDE WITH MOTORIZED DAMPER INTERLOCKED WITH FAN SERVED.
3. PROVIDE WITHOUT FLANGE.

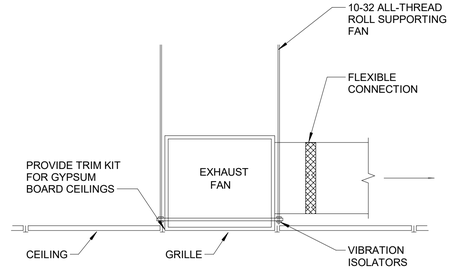
DRAWING LEGEND			
SYMBOL	DEFINITION	SYMBOL	DEFINITION
	SUPPLY DIFFUSER		RETURN GRILLE
X / 000	AIR DEVICE DESIGNATOR	T	THERMOSTAT
X / 000 XX-XX" A.F.F.	SIDEWALL GRILLE DESIGNATOR. A.F.F. HEIGHT IS TO BOTTOM OF GRILLE FACE		DUCTWORK OFFSETS
H	HUMIDISTAT	CO2	CARBON DIOXIDE SENSOR
	SPIN-IN WITH VOLUME DAMPER	MVD	MANUAL VOLUME DAMPER
SD	SMOKE DAMPER	FD	FIRE DAMPER
FSD	FIRE/SMOKE DAMPER	F-	EXHAUST FAN
U.N.O.	UNLESS NOTED OTHERWISE	A.F.F.	ABOVE FINISHED FLOOR
EH-	ELECTRIC HEATER		



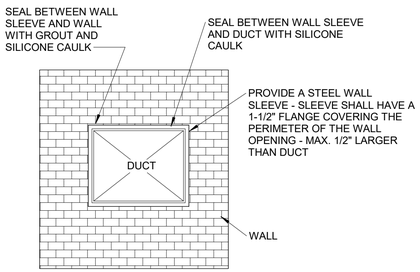
1 HVAC - FLOOR PLAN
1/4" = 1'-0"

KEYNOTES: (APPLIES TO THIS SHEET ONLY)

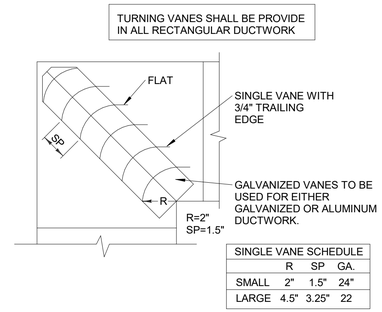
1. NEW CEILING MOUNTED ELECTRIC HEATER SHALL BE MOUNTED IN CEILING GRID.
2. NEW ELECTRIC UNIT HEATER SHALL BE SUPPORTED FROM WALL WITH BRACKET - MOUNT MINIMUM 9' A.F.F.
3. NEW CEILING FAN SHALL BE MOUNTED IN CEILING GRID.
4. FAN MANUFACTURERS WALL CAP - COORDINATE MOUNTING HEIGHT IN WALL WITH ARCHITECT.
5. MOUNT FAN MINIMUM OF 9' A.F.F. - SEE FAN DETAIL.
6. MOUNT BRICK VENT IN BRICK COURSE APPROXIMATELY 9' A.F.F - PROVIDE WITH MOTORIZED DAMPER.
7. MOUNT LOUVER IN BRICK COURSE APPROXIMATELY 8' 6" A.F.F.



2 CEILING MOUNTED EXHAUST FAN DETAIL
SCALE: NONE

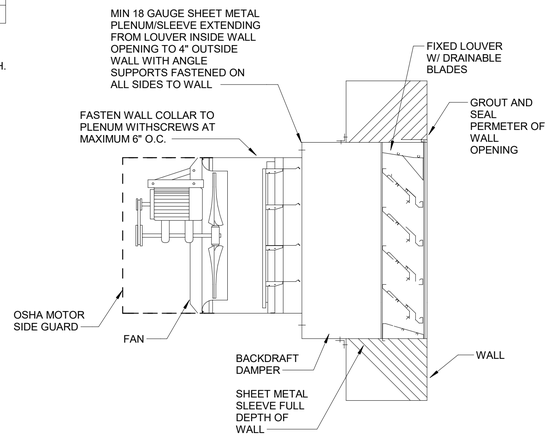


3 DUCT WALL PENETRATION DETAIL
SCALE: NONE

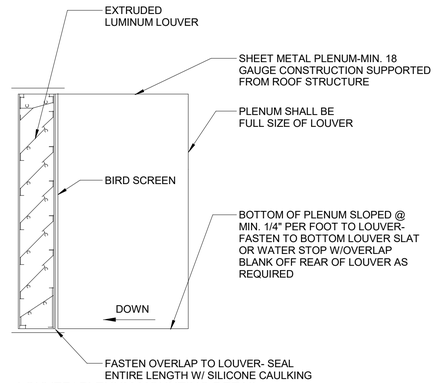


SINGLE VANE SCHEDULE			
	R	SP	GA.
SMALL	2"	1.5"	24"
LARGE	4.5"	3.25"	22

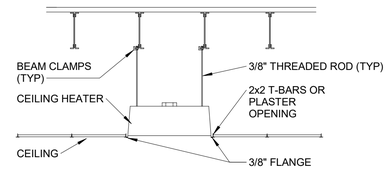
4 SQUARE ELBOW WITH TURNING VANES
SCALE: NONE



7 SIDEWALL EXHUAST FAN DETAIL
SCALE: NONE



LOUVER/ PLENUM MOUNTING DETAIL - TYPICAL
6 SCALE: NONE



PROVIDE SUPPLEMENTAL STEEL AS REQUIRED TO SUPPORT UNIT FROM STRU

5 ELECTRIC CEILING HEATER
SCALE: NONE

MBA# 2341

MATHESON-BALL & ASSOCIATES, INC.
225 REFORMATION PKWY. SUITE F-3
CANTON, GEORGIA 30114
PHONE: (770) 751-0773
WWW.MATHESONBALL.COM

SHELTER BY DESIGN, LLC
Stiliani [Stella] K. Osborn
stella@shelterxdesign.com
404-556-0654

ARCHITECT

CONSULTANT

CLIENT

ACORNS TO OAKS
2870 Peachtree Rd, #356
Atlanta, GA 30305

PROJECT INFORMATION

Garden Hills ES Fieldhouse
285 Sheridan Drive
Atlanta, GA 30305

■ FOR CONSTRUCTION: 09/25/2025

REVISIONS

DATE	NO.	DESCRIPTION
10/07/2025		ISSUED FOR REVIEW

SHEET NAME

HVAC - FLOOR PLAN

M-101

CONSTRUCTION CODES

A. ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE LATEST EDITIONS OF THE CONSTRUCTION CODES AND STANDARDS,REQUIRED BY GA DEPARTMENT OF COMMUNITY AFFAIRS AT THE TIME OF BID.
B. ALL WORKMANSHIP AND MATERIALS SHALL COMPLY WITH ALL ORDINANCES AND REGULATIONS OF ALL LOCAL AUTHORITIES HAVING JURISDICTION.
C. CONTRACTOR SHALL OBTAIN ALL PERMITS AND LICENSES, AND PAY ALL FEES, AS REQUIRED FOR EXECUTION OF THE CONTRACT. ARRANGE FOR NECESSARY INSPECTIONS REQUIRED BY CITY, COUNTY, STATE AND OTHER AUTHORITIES HAVING JURISDICTION, AND DELIVER CERTIFICATES OF APPROVAL TO THE OWNER. IN COMPLIANCE WITH THE GEORGIA STATE BOILER CODE, IT IS THE RESPONSIBILITY OF THE CONTRACTOR (AT HIS EXPENSE) TO HAVE EACH BOILER AND/OR APPLICABLE PRESSURE VESSEL INSPECTED BY A STATE OF GEORGIA CERTIFIED INSPECTOR UPON INSTALLATION OF THIS EQUIPMENT.

FANS

A. MANUFACTURERS:
1. ACME ENGINEERING & MFG CORP.
2. AEROVENT; A TWIN CITY FAN COMPANY
3. BREIDERT AIR PRODUCTS.
4. BROAN MFG CO., INC.
5. GREENHECK
6. LOREN COOK COMPANY.
7. PENN VENTILATION.

B. HOUSING: STEEL.
C. FAN WHEEL: CEILING MOIUNTED FANS SHALL BE MOUNTED WITH CENTRIFUGAL WHEELS DIRECTLY MOUNTED ON MOTOR SHAFT. FAN SHROUDS, MOTOR, AND FAN WHEEL SHALL BE REMOVABLE FOR SERVICE. SIDEWALL FANS SHALL BE EQUIPPED WITH STAMPED METAL PROPELLER BLADES.
D. GRILLE: CEILING FANS SHALL BE EQUIPPED WITH PLASTIC OR METAL GRILLES.
E. ELECTRICAL REQUIREMENTS: SEE ELECTRICAL PLANS FOR AVAILABLE VOLTAGE AND PHASE.
F. ACCESSORIES: SEE SCHEDULE.
WARRANTIES
A. FANS SHALL BE PROVIDED WITH 1 YEAR WARRANTY FROM SUBSTANTIAL COMPLETION.

ELECTRIC HEATERS

1.01 MANUFACTURERS
A. AVAILABLE MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, MANUFACTURERS OFFERING PRODUCTS THAT MAY BE INCORPORATED INTO THE WORK INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
1. RAYWALL
2. MARKEL
3. Q'MARK

1.02 UNIT HEATERS
A. PROVIDE HEAVY DUTY, FORCED AIR HEATERS OF THE VOLTAGE AS SPECIFIED UNDER THE ELECTRICAL DIVISION OF WORK. HEATER SHALL BE EQUIPPED WITH ACCESSORIES AS OUTLINED IN SCHEDULE.
B. HEATING ELEMENT ASSEMBLIES SHALL CONSIST OF TWO OR THREE CORROSION RESISTANT STEEL SHEATHED ELEMENTS, MECHANICALLY BONDED TO CORROSION RESISTANT STEEL FINS. ELEMENTS SHALL BE HELICALLY COILED NICKEL CHROMIUM ALLOY RESISTANCE WIRE COMPLETELY EMBEDDED IN AND SURROUNDED BY MAGNEIUM OXIDE, ENCLOSED AND SWAGED INTO CORROSION RESISTANT STEEL SHEATHS.
C. HEATERS SHALL BE EQUIPPED WITH A ZERO-VOLTAGE RESET THERMAL OVERLOAD WITH MANUAL RESET.
D. UNITS SHALL BE U.L. LISTED WITH INTEGRAL DISCONNECT SWITCH.

1.03 WARRANTY
A. ENTIRE UNIT SHALL BE GUARENTEED FREE OF FAILURES DUE TO MATERIALS AND WORKMANSHIP FOR NOT LESS THAN ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION.

1.04 INSTALLATION
A. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

DUCTWORK

A. ALL RIGID DUCTWORK SHALL BE G90 SHEET METAL. MATERIAL SHALL BE NEW SHEETS CONSTRUCTED TO MEET SMACNA STANDARDS.
B. ALL RIGID DUCT SHALL BE MINIMUM 26 GAUGE OR HEAVIER AS REQUIRED TO MEET SMACNA STANDARDS.
C. ALL FAN CONNECTIONS TO DUCTWORK SHALL BE MADE WITH FLEXIBLE CONNECTORS.
D. ALL SEAMS AND JOINTS SHALL BE SEALED WITH WATER-BASED DUCT SEALANT.
E. ALL DUCTWORK SHALL BE INDEPENDENTLY SUPPORTED WITH MINIMUM HALF INCH WIDE DUCT STRAPS PER SMACNA STANDARDS.

SHELTER BY DESIGN, LLC
Stiliani [Stella] K. Osborn
stella@shelterxdesign.com
404-556-0654

ARCHITECT

CONSULTANT

CLIENT

ACORNS TO OAKS
2870 Peachtree Rd, #356
Atlanta, GA 30305

PROJECT INFORMATION

Garden Hills ES Fieldhouse
285 Sheridan Drive
Atlanta, GA 30305

■ FOR CONSTRUCTION: 09/25/2025

REVISIONS

DATE	NO.	DESCRIPTION
10/07/2025		ISSUED FOR REVIEW

MBA CONSULTING ENGINEERS

MBA# 2341

MATHESON-BALL & ASSOCIATES, INC.
225 REFORMATION PKWY, SUITE F-3
CANTON, GEORGIA 30114
PHONE: (770) 751-0773
WWW.MATHESONBALL.COM

SHEET NAME
HVAC - SPECIFICATIONS

M-201

SPECIFICATIONS

DOMESTIC WATER PIPING
TYPE "L" HARD COPPER TUBE, ASTM B88 W/ SWEAT COPPER FITTINGS ASME B16.22, LEAD FREE SOLDER JOINTS. CAMBRIDGE LEE, HOWELL METALS, OR CERRO FLOW PRODUCTS. VALVES SHALL BE FULL PORT BALL VALVES W/ SOLDER END JOINTS.

SANITARY WASTE AND VENT PIPING
SCHEDULE 40 PVC SOLID CORE, ASTM D-2665 W/ DMV FITTINGS SOLVENT WELD. CHARLOTTE PIPE AND FOUNDRY CO., SANDERSON, OR LASCO.

INSULATION
ALL DOMESTIC H&CW PIPING SHALL BE INSULATED W/ 1" THICK FIBERGLASS INSULATION. OWENS CORNING, JOHNS-MANVILLE, OR KNAUF. JOINTS SHALL BE SEALED AND COATED WITH MASTIC.

TRAP PRIMER VLAVE
PRECISION PLUMBING PRODUCTS (PPP) MODEL P2-500 WITH DU4/DU-U DISTRIBUTION UNIT

PLUMBING FIXTURE SPECIFICATIONS

P101 WATER CLOSET - FLOOR MOUNTED - FLUSH VALVE - 1.28 GPF - KOHLER "WELLCOMME ULTRA" NO. K-96053 WHITE VITREOUS CHINA TOILET, ELONGATED SIPHON JET ACTION BOWL, TWO BOLT CAPS, KOHLER MANUAL FLUSH VALVE K-13517-RF WITH INCLUDED ANGLE STOP AND BACKFLOW PROTECTION. CHURCH MODEL 295-SSCT WHITE SOLID PLASTIC OPEN FRONT HEAVY DUTY SEAT.

P101H WATER CLOSET - FLOOR MOUNTED - FLUSH VALVE - ADA - 1.28 GPF - KOHLER "HIGHCLIFF" NO. K-96057 WHITE VITREOUS CHINA TOILET, ELONGATED SIPHON JET ACTION BOWL, TWO BOLT CAPS, KOHLER MANUAL FLUSH VALVE K-13517-RF WITH INCLUDED ANGLE STOP AND BACKFLOW PROTECTION. CHURCH MODEL 295-SSCT WHITE SOLID PLASTIC OPEN FRONT HEAVY DUTY SEAT.

P301 LAVATORY - WALL HUNG - AMERICAN STANDARD "LUCERNE" NO. 0356.421 WHITE VITREOUS CHINA LAVATORY WITH CONCEALED OVERFLOW, ZURN SINGLE INLET 0.5 GPM FAUCET MODEL Z7440-XL-FC. MCGUIRE MODEL NO. 155WC OFFSET GRID DRAIN ASSEMBLY, MCGUIRE NO. 8872CCECO 1-1/4" CHROME PLATED P-TRAP WITH BRASS NUTS, CLEANOUT PLUG AND DEEP WALL ESCUTCHEON, MCGUIRE NO. LF2165 SUPPLIES WITH ANGLE STOPS, WHEEL HANDLE, AND DEEP WALL ESCUTCHEONS.

P301H LAVATORY - WALL HUNG - ADA - AMERICAN STANDARD "LUCERNE" NO. 0356.421 WHITE VITREOUS CHINA LAVATORY WITH CONCEALED OVERFLOW, ZURN SINGLE INLET 0.5 GPM FAUCET MODEL Z7440-XL-FC. MCGUIRE MODEL NO. 155WC OFFSET GRID DRAIN ASSEMBLY, MCGUIRE NO. 8872CCECO 1-1/4" CHROME PLATED P-TRAP WITH BRASS NUTS, CLEANOUT PLUG AND DEEP WALL ESCUTCHEON, MCGUIRE NO. LF2165 SUPPLIES WITH ANGLE STOPS, WHEEL HANDLE, AND DEEP WALL ESCUTCHEONS.

P302F LAVATORY - WALL HUNG - ADA - ZURN DOUBLE BASIN HAND WASH MODEL Z5004.02 WITH TWO ZURN SINGLE INLET 0.5 GPM FAUCET MODEL Z7440-XL-FC, ZURN Z8700 P-TRAP, ZURN Z8802 LOOSE KEY ANGLE STOP WITH 16" FLEXIBLE SUPPLIES. (FAUCET, P-TRAP, STOPS AND FLEXIBLE SUPPLIES TO BE SUPPLIED WITH UNIT.)

P401B DRINKING FOUNTAIN - ELKAY ezH20 BOTTLE FILLING STATION MODEL EZWS-EDFP21K, STAINLESS STEEL, BI-LEVEL, WALL MOUNTED, ANTIMICROBIAL, HANDS FREE, LAMINAR FLOW, FRONT BUBBLER BUTTON ACTIVATION, ELECTRIC BOTTLE FILLER SENSOR.

Plumbing Fixture Schedule

MARK	DESCRIPTION	CW	HW	S/W	RIM HEIGHT	MAXIMUM FLOW RATE	NOTES
P101	WATER CLOSET, FLOOR MNTD, FLUSH VALVE	1-1/4"	-	4"	15" AFF	1.28 GPF	
P101H	WATER CLOSET, ADA - FLOOR MNTD, FLUSH VALVE	1-1/4"	-	4"	16-1/2" RIM NOT INCLUDING SEAT	1.28 GPF	
P301	LAVATORY, WALL HUNG	1/2"	1/2"	1-1/4"	32" TOP OF RIM TO FLOOR	0.5 GPM	
P301H	LAVATORY, WALL HUNG, ADA	1/2"	1/2"	1-1/2"	29" TOP OF RIM TO FLOOR	0.5 GPM	
P302F	LAVATORY, DOUBLE BASON, WALL HUNG, ADA	1/2"	1/2"	1-1/4"	32" TOP OF RIM TO FLOOR	0.5 GPM	
P401B	ELECTRIC DRINKING FOUNTAIN, BI-LEVEL, W/ BOTTLE FILL STATION	1/2"	1/2"	1-1/2"	36" CENTER OF BUBBLER TO FLOOR	NOT RATED	

ALL PIPE FITTINGS SHALL COMPLY TO TABLE 706.3 IN THE 2018 IPC.

PIPE FITTINGS FOR CHANGE IN DIRECTION

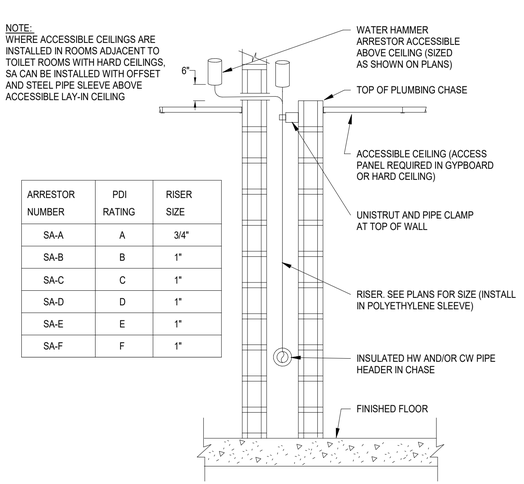
TYPE OF FITTING PATTERN	CHANGE IN DIRECTION: HORIZONTAL TO VERTICAL	VERTICAL TO HORIZONTAL	HORIZONTAL TO HORIZONTAL
SIXTEENTH BEND	X	X	X
EIGHT BEND	X	X	X
SIXTH BEND	X	X	X
QUARTER BEND	X	X[a]	X[a]
SHORT SWEEP	X	X[a,b]	X[a]
LONG SWEEP	X	X	X
SANITARY TEE	X[c]	--	--
WYE	X	X	X
COMBINATION WYE AND EIGTH BEND	X	X	X

a. THE FITTINGS SHALL ONLY BE PERMITTED FOR 2-INCH OR SMALLER FIXTURE DRAIN.
b. THREE INCHES OR LARGER.
c. BACK-TO-BACK WATER CLOSET CONNECTIONS TO DOUBLE SANITARY TEES SHALL ONLY BE PERMITTED WHERE THE HORIZONTAL DEVELOPED LENGTH BETWEEN THE OUTLET OF THE WATER CLOSET AND THE CONNECTION TO THE DOUBLE SANITARY TEE PATTERN IS 18 INCHES OR GREATER.

PRESSURE REDUCING VALVE SELECTION

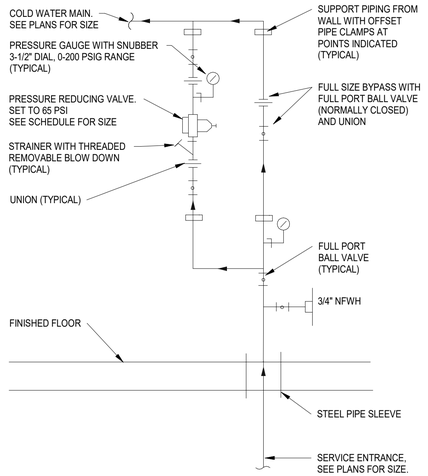
MAIN SIZE	MAX. GPM @ 8FT/SEC	VALVE SIZE	BASIS OF DESIGN (WATTS)
3"	169	2-1/2"	LF223
2-1/2"	119	2"	
2"	77	1-1/2"	
1-1/2"	44	1-1/4"	
1-1/4"	31	1"	
1"	20	3/4"	
3/4"	12	1/2"	

NOTE:
WHERE ACCESSIBLE CEILINGS ARE INSTALLED IN ROOMS ADJACENT TO TOILET ROOMS WITH HARD CEILINGS, SA CAN BE INSTALLED WITH OFFSET AND STEEL PIPE SLEEVE ABOVE ACCESSIBLE LAY-IN CEILING



ARRESTOR NUMBER	PDI RATING	RISER SIZE
SA-A	A	3/4"
SA-B	B	1"
SA-C	C	1"
SA-D	D	1"
SA-E	E	1"
SA-F	F	1"

② WATER HAMMER ARRESTOR
SCALE: NONE



① PRESSURE REDUCING VALVE (PRV) ASSEMBLY DETAIL
NO SCALE

PLUMBING LEGEND

SYMBOL	DESCRIPTION
———	SANITARY PIPING (S)
- - - - -	SANITARY VENT PIPING (V)
—— – – ——	DOMESTIC HOT WATER PIPING (H)
——— – ———	DOMESTIC COLD WATER PIPING (C)
— – – – —	HOT WATER RECIRCULATING PIPING (HR)
———	LOW PRESSURE (LESS THAN 2.0 PSIG) NATURAL GAS PIPING (LPG)
———	MEDIUM PRESSURE (5.0 PSIG) NATURAL GAS PIPING (MPG)
———	KITCHEN WASTE (K)
— — — — —	STORM PIPING (ST)
— — — — —	STORM OVERFLOW PIPING (SO)
———	CONDENSATE DRAIN (CD)
———	TRAP PRIMER LINE (TP)
——— F ———	FIRE MAIN OR FEED MAIN
TP/CD	COMBINED TRAP PRIMER/CONDENSATE DRAIN
CI	CAST IRON
DIP	DUCTILE IRON PIPE (THICKNESS CLASS 50)
CMP	CORRUGATED METAL PIPE, FULLY COATED, PAVED INVERT
HD	HUB DRAIN
W.CO.	WALL CLEANOUT
Y.CO.	YARD CLEANOUT
F.CO.	FLOOR CLEANOUT
AP	ACCESS PANEL
P-1	PLUMBING FIXTURE NUMBER
①	SEE PLUMBING NOTES
—||—	UNION
——►	FLOW ARROW
⊘	CONNECT TO EXISTING PIPING
VTR	VENT THROUGH ROOF
|◦|	BALL VALVE (FULL PORT)
A/C	ABOVE CEILING
B/F	BELOW FLOOR
#"FD-1	FLOOR DRAIN (# INDICATES SIZE, NUMBER INDICATES TYPE - SEE SPECS)
HB	HOSE BIBB WITH VANDAL PROOF VACUUM BREAKER
RD	ROOF DRAIN-NUMBER INDICATES TYPE - SEE SPECS
NPW	NON-POTABLE WATER
—|◁	CHECK VALVE (CHKV)
BFP	USC/ASSE APPROVED BACKFLOW PREVENTION DEVICE ASSEMBLY
RPZ	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
DCV	DOUBLE CHECK VALVE BACKFLOW PREVENTER
DDC	DOUBLE DETECTOR CHECK VALVE BACKFLOW PREVENTER
VB	3 PIECE ADJUSTABLE VALVE BOX
TP-2	TRAP PRIMER - NUMBER INDICATES TYPE - SEE SPECS
TPDU-2	TRAP PRIMER DISTRIBUTION UNIT - NUMBER INDICATES TYPE - SEE SPECS
NFWH	NON-FREEZE WALL HYDRANT
WH	WALL HYDRANT
RWH	RECESSED WALL HYDRANT
—■	AGA RATED LUBRICATED PLUG COCK
BV	BALL VALVE (FULL PORT)
—▷◁—	GATE VALVE (GV)
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
⊗ GV & VB	GATE VALVE WITH VALVE BOX AT FIN. GRADE
IE	INVERT ELEVATION
SA "B"	SHOCK ARRESTOR - LETTER INDICATES SIZE (PER PDI STANDARDS)
PRV	PRESSURE REDUCING VALVE ASSEMBLY
—⊂	OS & Y GATE VALVE IN VERTICAL
CHKV	CHECK VALVE
INV.	INVERT
OFD	OVERFLOW ROOF DRAIN
RH	ROOF HYDRANT
CD	CONDENSATE DRAIN
DA	DENTAL AIR
DV	DENTAL VACUUM
CA	COMPRESSED AIR

SHELTER BY DESIGN, LLC
Stiliani [Stella] K. Osborn
stella@shelterxdesign.com
404-556-0654

ARCHITECT

CONSULTANT

CLIENT

ACORNS TO OAKS
2870 Peachtree Rd, #356
Atlanta, GA 30305

PROJECT INFORMATION

Garden Hills ES Fieldhouse
285 Sheridan Drive
Atlanta, GA 30305

■ FOR CONSTRUCTION: 09/25/2025

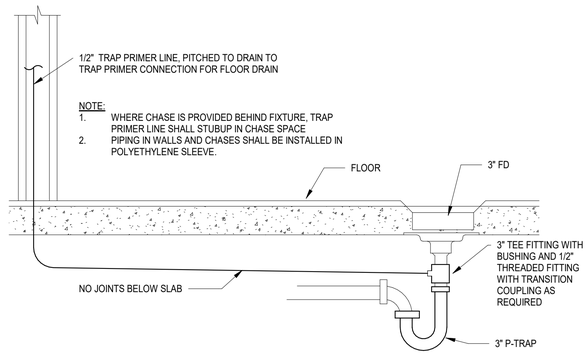
REVISIONS

DATE	NO.	DESCRIPTION
10/07/2025		ISSUED FOR REVIEW

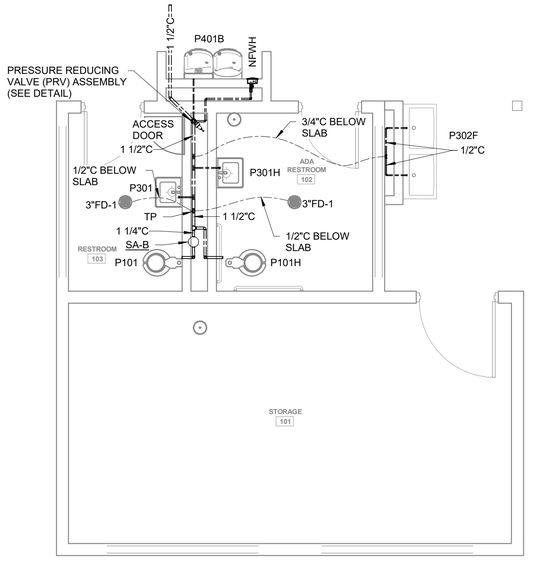
MBA CONSULTING ENGINEERS
MBA# 2341
MATHESON-BALL & ASSOCIATES, INC.
225 REFORMATION PKWY, SUITE F-3
CANTON, GEORGIA 30114
PHONE: (770) 751-0773
WWW.MATHESONBALL.COM

PLUMBING LEGEND, SPECIFICATIONS, SCHEDULES & DETAILS

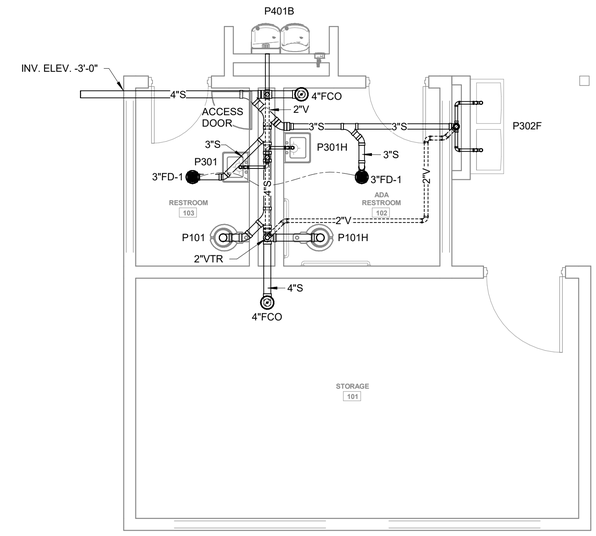
P-101



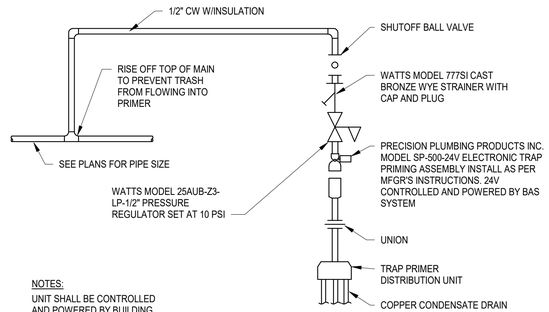
1 TRAP PRIMER PIPE IN WALL/ BELOW SLAB INSTALLATION DETAIL
NO SCALE



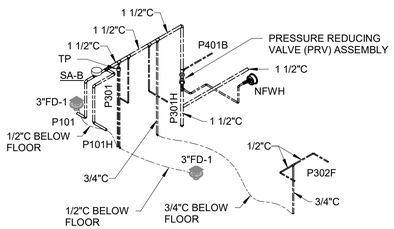
2 H&CW PLUMBING PLAN
1/4" = 1'-0"



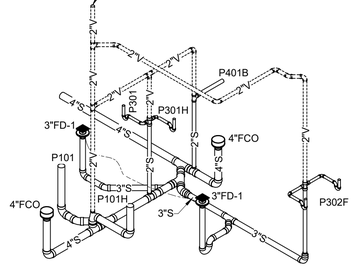
3 SW&V PLUMBING PLAN
1/4" = 1'-0"



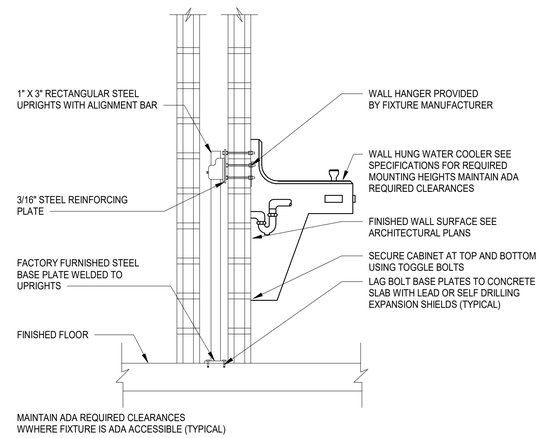
4 TRAP PRIMER UNIT (TP) PIPING DIAGRAM
SCALE: NONE



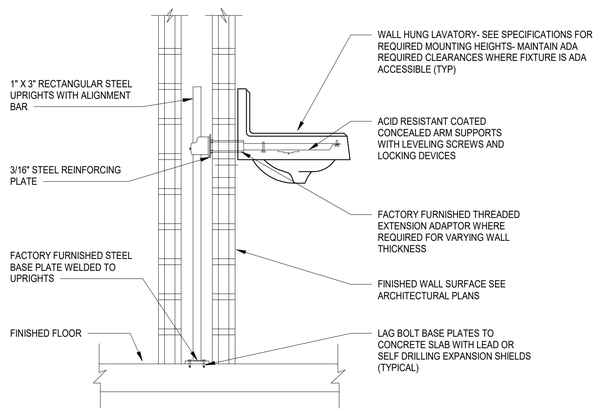
5 WATER RISER DIAGRAM
NO SCALE



6 WASTE RISER DIAGRAM
NO SCALE



7 WATER COOLER CARRIER INSTALLATION DETAIL
SCALE: NONE



8 LAVATORY CARRIER INSTALLATION
NO SCALE

SHELTER BY DESIGN, LLC
Stiliani [Stella] K. Osborn
stella@shelterxdesign.com
404-556-0654

ARCHITECT

CONSULTANT

CLIENT

ACORNS TO OAKS
2870 Peachtree Rd, #356
Atlanta, GA 30305

PROJECT INFORMATION

Garden Hills ES Fieldhouse
285 Sheridan Drive
Atlanta, GA 30305

■ FOR CONSTRUCTION: 09/25/2025

REVISIONS

DATE	NO.	DESCRIPTION
10/07/2025		ISSUED FOR REVIEW

SHEET NAME
PLUMBING PLANS & DETAILS

P-201

MBA CONSULTING ENGINEERS
MBA# 2341

MATHESON-BALL & ASSOCIATES, INC.
225 REFORMATION PKWY, SUITE F-3
CANTON, GEORGIA 30114
PHONE: (770) 751-0773
WWW.MATHESONBALL.COM

LIGHTING FIXTURE NOTES:

EACH FIXTURE SHALL BE DESIGNED TO MOUNT IN THE TYPE OF CEILING IN WHICH IT IS BEING INSTALLED (I.E. PLASTER, GRID, CONCEALED SPLINE, SLOPED, ETC.). EACH LIGHTING FIXTURE SHALL BE UL LABELED FOR PROPER OPERATION IN THE TYPE OF CEILING CONSTRUCTION AND FOR THE MOUNTING ARRANGEMENT ON/IN WHICH IT IS INSTALLED. WHERE SIMILAR FIXTURES OR A FAMILY OF SIMILAR FIXTURES ARE SPECIFIED OBTAIN FORM ONE MANUFACTURER. COORDINATE THE CEILING TYPE WITH THE ARCHITECT'S CEILING PLANS PRIOR TO THE SHOP DRAWING SUBMITTALS.

OCCUPANCY SENSOR NOTES:

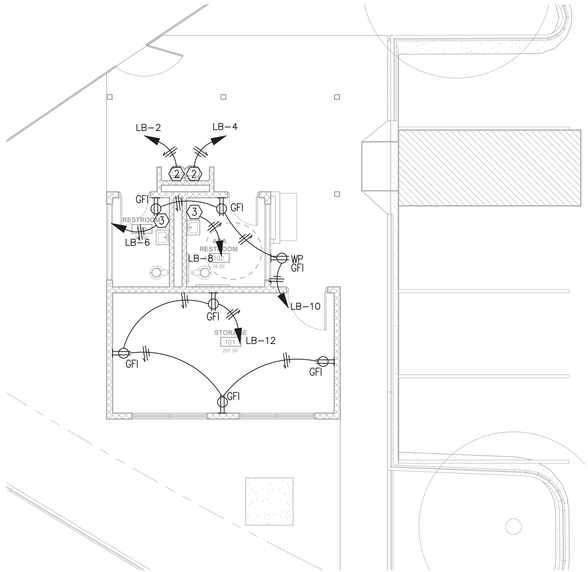
1. OCCUPANCY SENSORS SHALL BE PROVIDED IN EACH SPACE FOR CONTROL OF NORMAL LIGHTING IN THE SPACE. SENSORS SHALL BE CEILING MOUNTED, DUAL TECHNOLOGY DEVICES AS MANUFACTURED BY WATTSTOPPER OR EQUIVALENT. REFER TO THE SPECIFICATIONS FOR ADDITIONAL SENSOR REQUIREMENTS.
2. OCCUPANCY SENSOR CONTROL OF LIGHTING SHALL BE AHEAD OF LOCAL SWITCHING SO THAT THE SENSORS CONTROL THE LIGHTS IN THE ROOM REGARDLESS OF SWITCH POSITIONS.
3. OCCUPANCY SENSOR LOCATIONS ARE SHOWN AS A GUIDE. SENSOR MANUFACTURER SHALL PROVIDE IN THE SHOP DRAWING PACKAGE A PLAN SHOWING EXACT SENSOR LOCATIONS AND COVERAGE PATTERN FOR EACH DEVICE. PROVIDE MULTIPLE SENSORS WITHIN LARGER SPACES AS REQUIRED TO ENSURE FULL COVERAGE OF THE SPACE.
4. WHERE MULTIPLE SENSORS ARE REQUIRED WITHIN A SPACE, LIGHTS SHALL REMAIN ON (CIRCUIT ENERGIZED) IF MOTION IS DETECTED BY ANY OF THE SENSORS, AND SHALL BE TURNED OFF (OPEN THE CIRCUIT) ONLY IF MOTION IS NOT DETECTED BY ANY OF THE SENSORS.
5. WHEN MOTION IS DETECTED IN A SPACE, LIGHTS SHALL ONLY BE TURNED ON TO 50% POWER. RAISING LIGHTS TO 100% POWER SHALL REQUIRE OPERATION OF THE DIMMER SWITCHES.
6. OCCUPANCY SENSORS SHALL BE SET TO TURN THE LIGHTS OFF WHEN MOTION HAS NOT BEEN DETECTED FOR 20 MINUTES.

LIGHTING FIXTURE SCHEDULE:

A	RECESSED TWO FOOT BY FOUR FOOT LED, 120 MVOLT, 80 CRI, 0–10V DIMMING CONTROLS, 4000K COLOR TEMP, 3200 LUMEN OUTPUT, SATIN WHITE LENS. LITHONIA CPX 2X4 SERIES, OR EQUAL BY CREE, COOPER, HUBBELL, VISIONEERING, PHILIPS, SESCO AND GE.
B	WALL MOUNTED LED, 120 VOLT, 30W, 0–10V DIMMING CONTROLS, 4000K COLOR TEMP. FIXTURE SELECTED BY ARCHITECT.
C	CHAIN SUSPENDED FOUR FOOT LED, 120 VOLT, 80 CRI, 0–10V DIMMING CONTROLS, 4000K COLOR TEMP, 4000 LUMEN OUTPUT. COORDINATE FIXTURE HEIGHT WITH ARCHITECT PRIOR TO ROUGH–IN. LITHONIA ZL1D SERIES OR EQUAL BY CREE, COOPER, HUBBELL, ILP, COLUMBIA, VISIONEERING, PHILIPS AND GE.
EX	NINETY MINUTE EMERGENCY BATTERY PACK WITH TWO HIGH OUTPUT 5.4W LED HEADS, WIRE GUARD, WHITE FINISH, 120 MVOLT. EXITRONIX NFT–HO, MULE LIGHTING TSR–HO SERIES OR EQUAL BY LITHONIA, CREE, COOPER, HUBBELL, VISIONEERING, PHILIPS AND GE.
F	SIX INCH RECESSED LED DOWNLIGHT, CLEAR SPECULAR REFLECTOR, 4000K COLOR TEMP, DAMP LOCATION, 1500 LUMENS, 0–10V DIMMING, 120 VOLTS, MAXIMUM DEPTH OF 4". LITHONIA LDN6 SERIES OR EQUAL BY CREE, COOPER, PRESCOLITE, HUBBELL, COLUMBIA, VISIONEERING, PHILIPS AND GE.
L	EXTERIOR WALL MOUNTED LED WALL PACK, 120 VOLT, 15W INPUT, 1500 LUMENS, 4000K COLOR TEMP, FINISH AS SELECTED BY ARCHITECT. TRACELITE SLW–15–4K SERIES OR EQUAL BY CREE, PHILIPS AND GE.

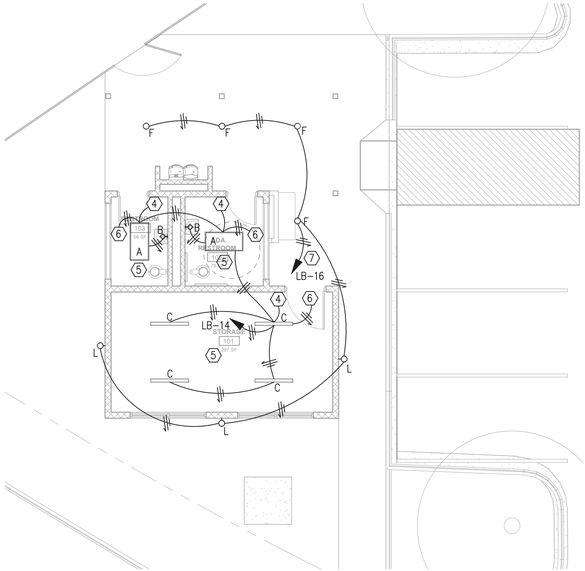
ELECTRICAL KEY NOTES:

1. CONNECT TO THE MOTORIZED HVAC LOUVER. FURNISH AND INSTALL A 30A/1P DISCONNECT SWITCH AT EACH DAMPER. COORDINATE THE EXACT LOCATION OF THE DAMPER WITH THE HVAC CONTRACTOR PRIOR TO ROUGH–IN.
2. INSTALL THE RECEPTACLE FOR THE ELECTRICAL WATER COOLER CONCEALED BEHIND THE EQUIPMENT. COORDINATE THE EXACT LOCATION WITH THE PLUMBING CONTRACTOR PRIOR TO ROUGH–IN. RUN THE CIRCUIT TO THE GFI BREAKER IN THE DESIGNATED PANEL.
3. MAKE CONNECTION TO 120V ELECTRIC HAND DRYER. COORDINATE LOCATION AND MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH–IN. RUN THE CIRCUIT TO THE GFI BREAKER IN THE DESIGNATED PANEL.
4. 0–10V LED DIMMER SWITCH. FURNISH AND INSTALL THE SWITCH TO CONTROL THE LIGHTS IN THIS SPACE. RUN ALL LOW VOLTAGE CONTROL CABLING IN CONDUIT.
5. FURNISH AND INSTALL THE CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR. CONTRACTOR SHALL INTERCEPT THE EXISTING HOT CONDUCTOR BEFORE THE LIGHT SWITCH CONTROLS IN THIS SPACE. FURNISH AND INSTALL THIS POWER PACK IN A NEMA 1 ENCLOSURE LOCATED ABOVE THE CEILING. UPON COMPLETION OF THE SENSOR THE LIGHT SWITCHES SHALL STILL CONTROL THE LIGHTS IN THE SPACE WITH THE OCCUPANCY SENSOR PROVIDING CONTROL. THE CEILING MOUNTED OCCUPANCY SENSOR SHALL BE LOCATED IN THE CENTER OF THE ROOM.
6. FURNISH AND INSTALL A TYPE "EX" EMERGENCY BATTERY PACK AT THIS LOCATION. COORDINATE THE MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH–IN.
7. RUN THE EXTERIOR LIGHTING CIRCUITS THROUGH CONTACTOR 'T1'. CONTACTOR SHALL BE E.D.E.H., 120 VOLT COIL WITH 'ON' CONTROL BY A PHOTOCELL AND 'OFF' CONTROL BY A TIME CLOCK. CONTACTOR SHALL BE PROVIDED WITH A H–O–A SWITCH.



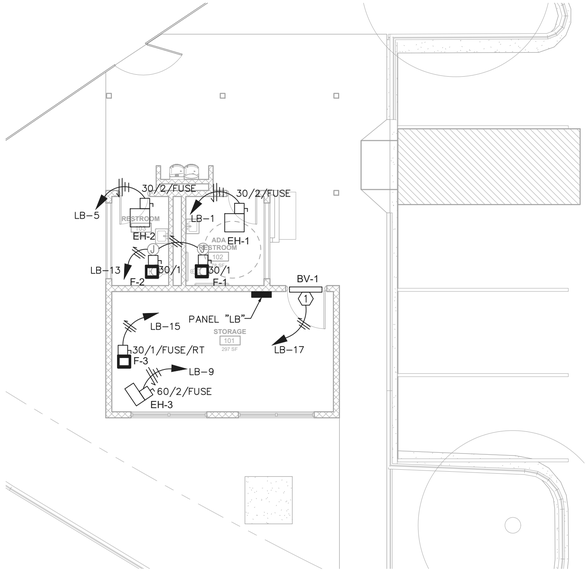
FLOOR PLAN - POWER

1/8" = 1'-0"



FLOOR PLAN - LIGHTING

1/8" = 1'-0"



FLOOR PLAN - HVAC

1/8" = 1'-0"

SHELTER BY DESIGN, LLC
Stiliani [Stella] K. Osborn
stella@shelterxdesign.com
404-556-0654

ARCHITECT

CONSULTANT

STATE OF GEORGIA
PAUL T. TANNERSHEY
CERTIFICATE NUMBER 029251
REGISTERED ENGINEER

CLIENT

ACORNS TO OAKS
2870 Peachtree Rd, #356
Atlanta, GA 30305

PROJECT INFORMATION

Garden Hills ES Fieldhouse
285 Sheridan Drive
Atlanta, GA 30305

■ FOR CONSTRUCTION: 09/25/2025

REVISIONS

DATE	NO.	DESCRIPTION
10/7/2025	1	ISSUED FOR REVIEW

SHEET NAME

FLOOR PLAN - ELECTRICAL

E-101

MBA CONSULTING ENGINEERS

1.1 GENERAL REQUIREMENTS FOR PANELBOARDS

A. Fabricate and test panelboards according to IEEE 344 to withstand seismic forces.

B. Enclosures: Flush- and surface-mounted cabinets as scheduled.

1. Rated for environmental conditions at installed location.

a. Indoor Dry and Clean Locations: NEMA 250, Type 1, unless otherwise listed in the panel schedule.

b. Indoor Locations Subject to Dust, Falling Dirt, and Dripping Noncorrosive Liquids: NEMA 250, Type 12.

2. Hinged Front Cover: **Entire front trim continuous piano hinged** to box and with standard door within hinged trim cover.

3. Finishes:

a. Panels and Trim: Steel and galvanized steel, factory finished immediately after cleaning and pretreating with manufacturer's standard two-coat, baked-on finish consisting of prime coat and thermosetting topcoat.

b. Back Boxes: Galvanized steel same finish as panels and trim.

7. Directory Card: Inside panelboard door, mounted in metal frame with transparent protective cover. Directory card shall be typewritten with spares and spaces indicated neatly in pencil.

C. Incoming Mains Location: Top or Bottom.

D. Phase, Neutral, and Ground Buses:

1. Material: Hard-drawn copper, 98 percent conductivity.

2. Equipment Ground Bus: Adequate for feeder and branch-circuit equipment grounding conductors; bonded to box.

E. Conductor Connectors: Suitable for use with conductor material and sizes.

1. Material: Hard-drawn copper, 98 percent conductivity.

2. Main and Neutral Lugs: Mechanical type.

F. Service Equipment Label: NRTL labeled for use as service equipment for panelboards with one or more main service disconnecting and overcurrent protective devices.

G. Panelboard Short-Circuit Current Rating: Fully rated to interrupt symmetrical short-circuit current available at terminals.

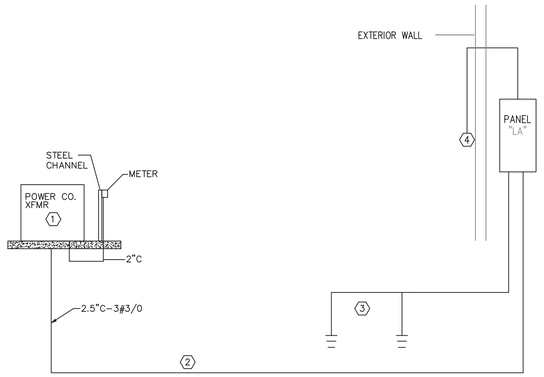
H. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1. Eaton Electrical Inc.; Cutler-Hammer Business Unit.

2. General Electric Company; GE Consumer & Industrial - Electrical Distribution.

3. Siemens Energy & Automation, Inc.

4. Square D; a brand of Schneider Electric.



ELECTRICAL RISER DIAGRAM
NOT TO SCALE

ELECTRICAL KEY NOTES:

1. PROPOSED LOCATION OF POWER COMPANY TRANSFORMER. COORDINATE THE EXACT LOCATION OF TRANSFORMER WITH POWER COMPANY AND ARCHITECT PRIOR TO BID. INCLUDE IN THE BASE BID ANY AND ALL COST FOR INSTALLATION, CONNECTION, CONCRETE PAD, METER, ETC. OF THE UTILITY TRANSFORMER. FEEDER IS SIZED SO THAT THE TRANSFORMER SHOULD BE NO FARTHER THAN 100 FEET FROM THE BUILDING.

2. PROPOSED ROUTE OF UNDERGROUND FEEDER. FEEDER SHALL BE ENCASED WITH 10" OF 3000 PSI CONCRETE ON ALL SIDES, TOP AND BOTTOM ON THE EXTERIOR OF THE BUILDING. FURNISH AND INSTALL SPACERS EVERY FIVE FEET OF CONDUIT RUN TO MAINTAIN CLEARANCES DURING POUR. SERVICE FEEDER SHALL BE RUN 24" BELOW GRADE.

3. RUN #4 GROUND CONDUCTOR TO THREE 5/8" x 10' COPPERCLAD GROUND RODS SPACED TEN FEET APART ON THE EXTERIOR OF THE BUILDING, TO THE MAIN METAL DOMESTIC WATER PIPE EXTENDING 10' OR MORE OUTSIDE THE NEW BUILDING, UFER GROUND, TO BUILDING STEEL, AND FOOTING REINFORCEMENT STEEL. ALL WILL BE BONDED TO THE GROUNDING ELECTRODE SYSTEM IN COMPLIANCE WITH THE NEC 250.50 AND 250.52(A)(1) & (A)(3).

4. FURNISH AND INSTALL A KNOX-BOX ON THE EXTERIOR OF THE BUILDING. FURNISH AND INSTALL A SHUNT TRIP ON THE MAIN FOR THE SWITCHBOARDS. FURNISH AND INSTALL A SWITCH MOUNTED IN THE KNOX-BOX THAT WILL CONTROL THESE SHUNT TRIP BREAKERS. COORDINATE THE EXACT LOCATION OF THE EQUIPMENT WITH THE OWNER PRIOR TO ROUGH-IN.

PNL.BRD.	LB	NO. OF CKT. SPACES:	42		MAIN DEVICE:	
PP VOLT.	240	AIC RATING:	42,000		TYPE:	MCB
NO. PH.	1	CABINET:	SURFACE		SIZE:	%%150A

NO.	TA	WS	COND	DESCRIPT	TL	LOAD	NO.	TA	WS	COND	DESCRIPT	TL	LOAD
1	30/2	10	"3/4"	EH-1	H	3000	2	**20	12	"1/2"	EWC	R	1200
3	-----	-----	-----	-----	-----		4	**20	12	"1/2"	EWC	R	1200
5	30/2	10	"3/4"	EH-2	H	3000	6	**20	12	"1/2"	H DRYER	O	1450
7	-----	-----	-----	-----	-----		8	**20	12	"1/2"	H DRYER	O	1450
9	40/2	8	"1"	EH-3	H	5000	10	20	12	"1/2"	RECPT	R	600
11	-----	-----	-----	-----	-----		12	20	12	"1/2"	RECPT	R	800
13	20	12	"1/2"	F-1,2	M	400	14	20	12	"1/2"	LIGHTING	L	300
15	20	12	"1/2"	F-3	M	900	16	20	12	"1/2"	LIGHTING	L	200
17	20	12	"1/2"	BV-1	M	400	18	20			SPARE		
19	20			SPARE			20	20			SPARE		
21	20			SPARE			22	20			SPARE		
23	20			SPARE			24	20			SPARE		
25	20			SPARE			26	20			SPARE		
27							28						
29							30						
31							32						
33							34						
35							36						
37							38						
39							40						
41							42						

DESCRIPT.	DF	LOAD
OTH. PNLS.	1	0
RECEPT.	1	3800
LIGHT	1.25	500
HEAT	1	11000
COOL	1	0
MOTOR	1	1700
OTHER	1	2900
SPARE	1	995
	CONN.LOAD	AMP
	20895	87

VOLTAGE:	240
PHASES:	1
SPARE %:	0.05

DEMAND
0
3800
625
11000
0
1700
2900
995
DEM.LOAD
21020

	AMP
	88

NOTES: ** - DENOTES GFI BREAKER.
%% - DENOTES SHUNT TRIP BREAKER.

ELECTRICAL SPECIFICATIONS

SCOPE OF WORK

FURNISH ALL LABOR, MATERIAL, EQUIPMENT, SERVICES, ETC. REQUIRED FOR COMPLETE ELECTRICAL SYSTEMS AS SPECIFIED AND/OR SHOWN IN THESE DOCUMENTS.

GENERAL REQUIREMENTS

APPLICABLE RULES OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND LOCAL CODES OR ORDINANCES SHALL APPLY AS MINIMUM STANDARDS FOR WORK PERFORMED UNDER THIS CONTRACT.

EXISTING CONDITIONS

VISIT THE BUILDING SITE TO DETERMINE EXISTING CONDITIONS. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THESE IN HIS BID.

LAWS, PERMITS, AND INSPECTIONS

OBTAIN ALL NECESSARY PERMITS, PAY ALL LEGAL FEES AND COMPLY WITH ALL STATE AND LOCAL BUILDING AND SAFETY LAWS RELATING TO BUILDING AND PUBLIC HEALTH AND SAFETY. FURNISH A FINAL INSPECTION CERTIFICATE FROM THE LOCAL INSPECTION AUTHORITIES TO THE ARCHITECT.

GUARANTEE

GUARANTEE ALL WORK INSTALLED UNDER THIS CONTRACT FOR ONE YEAR FROM THE DATE OF FINAL WRITTEN ACCEPTANCE OF THE PROJECT AGAINST DEFECTS IN MATERIAL AND WORKMANSHIP. FURNISH ALL MATERIALS AND LABOR TO COMPLY WITH THIS GUARANTEE FREE OF CHARGE TO THE OWNER.

MATERIALS AND EQUIPMENT

MATERIALS AND EQUIPMENT SHALL CONFORM IN ALL ASPECTS TO THE REQUIREMENTS SET FORTH IN THESE DOCUMENTS. WHERE MANUFACTURER'S NAME IS USED, EQUAL PRODUCTS WHICH MEET THE ARCHITECT'S WRITTEN APPROVAL MAY BE SUBSTITUTED. SUBMIT SHOP DRAWINGS ON: LIGHTING FIXTURES, AND PANELBOARDS.

EQUIPMENT LABELS

PANELBOARDS, SAFETY SWITCHES, EQUIPMENT CABINETS, MOTOR STARTERS FURNISHED AND INSTALLED UNDER THIS CONTRACT SHALL BE LABELED WITH LAMINATED PLASTIC NAMEPLATES, BLACK (OR BLUE) WITH 1/4" WHITE ETCHED LETTERS.

SALVAGED MATERIALS

REMOVE AND DELIVER, TO A LOCATION ON THE SITE SELECTED BY THE OWNER, ANY MATERIALS AND EQUIPMENT SELECTED TO REMAIN THE OWNER'S PROPERTY.

EXCAVATION AND BACKFILLING

EXCAVATING AND BACKFILLING FOR UNDERGROUND ELECTRICAL FACILITIES SHALL BE PERFORMED UNDER THIS SECTION OF THE CONTRACT. AFTER SETTLING IS COMPLETE, THE SURFACE SHALL BE REPAIRED TO IT'S ORIGINAL CONDITION.

CUTTING AND PATCHING

CUTTING FOR INSTALLATION OF ELECTRICAL EQUIPMENT SHALL BE BY THIS CONTRACTOR. OBTAIN WRITTEN APPROVAL FROM ARCHITECT/ENGINEER PRIOR TO CUTTING ANY STRUCTURAL MEMBERS. PATCHING SHALL BE BY THE VARIOUS CRAFTS WHOSE WORK IS INVOLVED.

PAINTING

PAINTING OF EXPOSED CONDUITS, SUPPORTS, BOXES,ETC. SHALL BE PERFORMED UNDER OTHER SECTIONS OF THIS CONTRACT.

WIRING FOR EQUIPMENT BY OTHERS.

FURNISH AND INSTALL ELECTRICAL SERVICE FOR ALL EQUIPMENT FURNISHED UNDER ANY SECTION OF THIS CONTRACT, OR SHOWN TO BE FURNISHED BY OTHERS OUTSIDE OF THIS CONTRACT. OBTAIN CORRECT ROUGH -IN REQUIREMENTS FROM THE EQUIPMENT SUPPLIER(S) AND COORDINATE WORK WITH SUCH REQUIREMENTS.

GROUNDING

ALL ELECTRICAL WORK SHALL BE GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE. ALL CONDUITS SHALL BE PROVIDED WITH A GREEN GROUND CONDUCTOR, SIZED IN ACCORDANCE WITH NEC TABLE 250-95.

MOUNTING HEIGHTS

UNLESS NOTED OTHERWISE THE FOLLOWING MOUNTING HEIGHTS SHALL APPLY:

TOGGLE SWITCHES	4'0" TO BOTTOM
RECEPTACLES	1'6" TO BOTTOM
PANELBOARDS	6'6" TO TOP
TELEPHONE OUTLETS	1'6" TO BOTTOM

WIRE

WIRE SHALL BE TYPE MC CABLE.

CONDUIT

RIGID STEEL CONDUIT OR INTERMEDIATE CONDUIT SHALL BE USED FOR ALL FEEDERS INSTALLED IN WET LOCATIONS. PVC, SCHEDULE 40 CONDUIT SHALL BE USED IN LIEU OF RIGID STEEL WHERE RUN IN SLAB OR BELOW GRADE.

ALL ABOVE GRADE CONDUITS SHALL BE SUPPORTED WITH APPROVED HANGERS, FASTENERS OR CLAMPS ATTACHED DIRECTLY TO THE BUILDING STRUCTURE.

FIRE STOPS

FURNISH AND INSTALL UL/ASTM FIRE RATED SEAL AT EVERY CONDUIT OR CABLE PENETRATION THROUGH A FIRE RATED WALL OR CEILING/FLOOR ASSEMBLY. SEALING MATERIAL SHALL BE 3M FIRE PROTECTION PRODUCTS.

PULL AND JUNCTION BOXES

FURNISH AND INSTALL PULL BOXES AND JUNCTION BOXES AS SHOWN ON THE DRAWINGS AND AS REQUIRED IN THE NATIONAL ELECTRIC CODE. BOXES SHALL BE CODE GAUGE GALVANIZED STEEL WITH SCREW ATTACHED ACCESS PANELS IN TOP SIDE OR BOTTOM AS NEEDED.

OUTLET BOXES

OUTLET BOXES SHALL BE GALVANIZED RIGID STEEL OF SUFFICIENT SIZE TO ACCOMMODATE DEVICES SHOWN AND SHALL HAVE RAISED COVERS TO MEET THE REQUIREMENTS OF NEC ARTICLE 370-10.

WIRING DEVICES

WIRING DEVICES SHALL BE SPECIFICATION GRADE AND SHALL BE MANUFACTURED BY SLATER, GENERAL ELECTRIC, HUBBELL, LEVITON, OR PASS & SEYMOUR. DEVICES SHALL MATCH COVERPLATES IN COLOR.

OUTLET COVER PLATES

OUTLET COVERPLATES SHALL BE PLASTIC WITH FINISH AS SELECTED BY ARCHITECT. DEVICES SHALL BE UNIFORM IN DESIGN FOR ALL DEVICES REQUIRING A COVER PLATE. ALL DEVICES INCLUDING TELEPHONE OUTLETS SHALL BE COMPLETE WITH COVER PLATES.

WEATHERPROOF DEVICES

WEATHERPROOF DEVICES SHALL BE STANDARD DEVICES AS SPECIFIED UNDER WIRING DEVICES MOUNTED IN CAST IRON, TYPE FD, BOX WITH GASKETED METAL COVER AND SPRING DOOR. WHEREVER INSTALLED IN EXTERIOR WALLS, DEVICES SHALL BE FLUSH MOUNTED.

SERVICE CONTINUITY

AT ALL TIMES, SERVICE SHALL BE MAINTAINED TO ALL PORTIONS OF THE SITE EXCEPT WITH WRITTEN PERMISSION OF THE ARCHITECT. WORK WHICH REQUIRES POWER OUTAGE SHALL BE SCHEDULED OUTSIDE OF 8:00AM TO 5:00PM MONDAY THROUGH FRIDAY.

LIGHTING

LIGHTING FIXTURES SHALL BE COMPLETE WITH LAMPS, AND ACCESSORIES AS SCHEDULED. COORDINATE FIXTURE/CEILING COMPATIBILITY WITH EXACT CEILING TYPE TO BE INSTALLED AND OBTAIN FIXTURE COMPATIBLE WITH CEILING TYPE DEVIATING ONLY TO THE EXTENT NECESSARY TO INSURE COMPATIBILITY.

LIGHTING FIXTURES SHALL BE INDEPENDENTLY SUSPENDED FROM THE BUILDING STRUCTURE, AND SHALL NOT RELY ON THE CEILING GRID FOR SUPPORT.

LIGHTING AND APPLIANCE BRANCH-CIRCUIT PANELBOARDS

A. LISTING CRITERIA: NEMA PB 1, LIGHTING AND APPLIANCE BRANCH-CIRCUIT TYPE.

B. MAINS: CIRCUIT BREAKER.

C. BRANCH OVERCURRENT PROTECTIVE DEVICES: BOLT-ON CIRCUIT BREAKERS, REPLACEABLE WITHOUT DISTURBING ADJACENT UNITS.

D. DOORS: DOOR-IN-DOOR CONSTRUCTION WITH CONCEALED HINGES; SECURED WITH FLUSH LATCH WITH TUMBLER LOCK; KEYED ALIKE. OUTER DOOR MUST PERMIT FULL ACCESS TO PANEL INTERIOR. INNER DOOR MUST PERMIT ACCESS TO BREAKER OPERATING HANDLES AND LABELING, BUT CURRENT CARRYING TERMINALS AND BUS MUST REMAIN CONCEALED.]

SYMBOL SCHEDULE

	DUPLEX OUTLET, 20A, 125V.
	120/240 PANELBOARD AS SCHEDULED
	DISCONNECT OR SAFETY SWITCH, SIZE AS INDICATED ON THE DRAWINGS
	CONDUIT, HOMERUN (CROSS MARKS = # OF CONDUCTORS WHERE MORE THAN THREE)
	CONDUIT CONCEALED OVERHEAD IN FINISHED SPACES, EXPOSED IN UNFINISHED SPACES (U.N.O.)
	CONDUIT EMBEDDED IN THE SLAB OR BELOW GRADE.
	ISOLATED GROUND DUPLEX OUTLET, 20A, 125V.
G	GROUND
	DATA OUTLET WITH 1" C AND PULLWIRE TO ABOVE CEILING
WP	WEATHERPROOF
RT	RAINTIGHT (NEMA 3R)
	ONE PHASE CONDUCTOR
	ONE NEUTRAL CONDUCTOR
	ONE EQUIPMENT GROUNDING CONDUCTOR

MBA CONSULTING ENGINEERS

SHELTER BY DESIGN, LLC
Stiliani [Stella] K. Osborn
stella@shelterxdesign.com
404-556-0654

ARCHITECT

CONSULTANT

STATE OF GEORGIA
PAUL TANVERSHEY
CERTIFICATE NUMBER 029251
REGISTERED ENGINEER

CLIENT

ACORNS TO OAKS
2870 Peachtree Rd, #356
Atlanta, GA 30305

PROJECT INFORMATION

Garden Hills ES Fieldhouse
285 Sheridan Drive
Atlanta, GA 30305

■ FOR CONSTRUCTION: 09/25/2025

REVISIONS

DATE	NO.	DESCRIPTION
10/7/2025	1	ISSUED FOR REVIEW

SHEET NAME

E-201