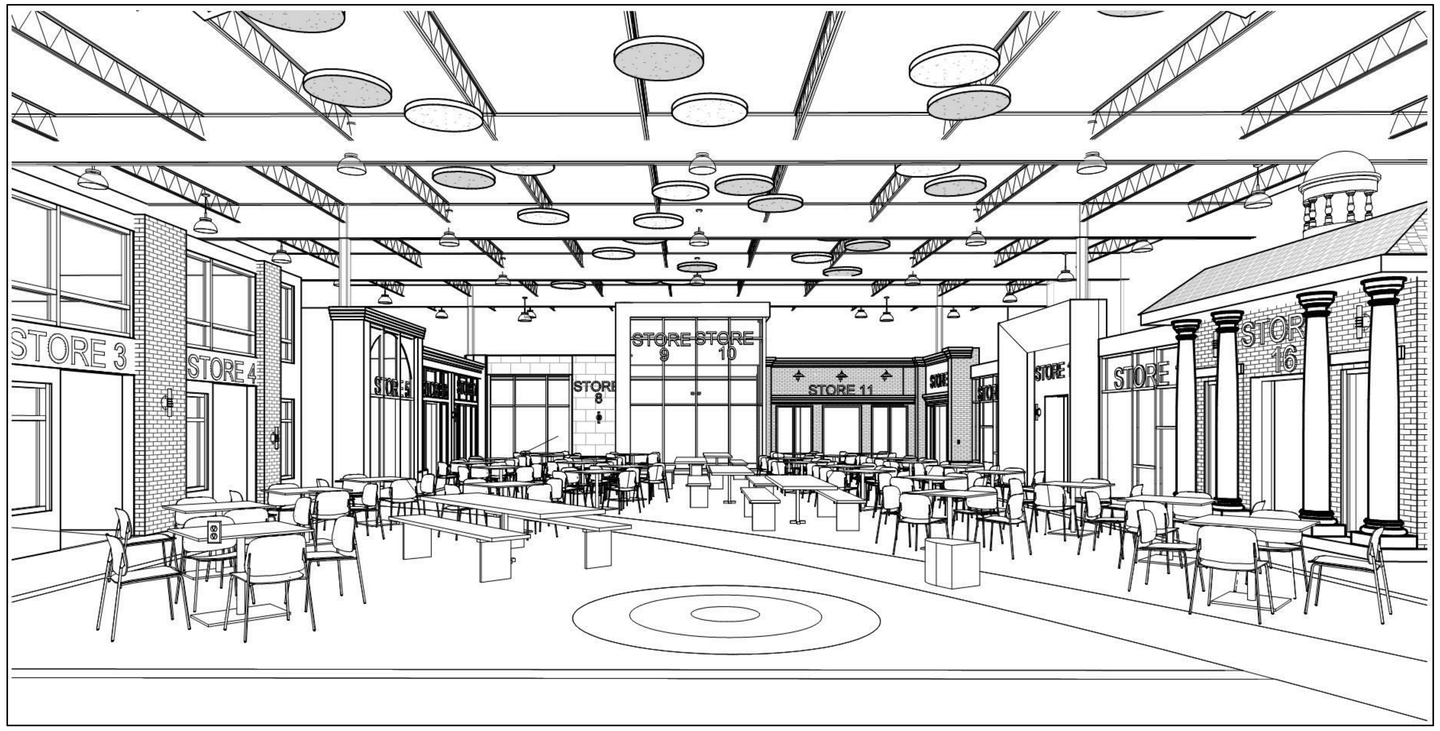
JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

ISSUE FOR CONSTRUCTION
02.03.2023



*RENDERING FOR VISUAL REPRESENTATION ONLY. NOT TO BE USED AS A REFERENCE FOR CONSTRUCTION

PROJECT DIRECTORY

OWNER/DEVELOPER:
JUNIOR ACHIEVEMENT OF GEORGIA
275 NORTHSIDE DR, NW
ATLANTA, GA 30014
404-257-1932

ARCHITECT/INTERIOR DESIGNER:
RULE JOY TRAMMELL + RUBIO, LLC.
ARCHITECTURE + INTERIOR DESIGN
300 GALLERIA PKWY.
SUITE 740
ATLANTA, GA 30339
770-661-1492 (PHONE)

GENERAL CONTRACTOR:
MCKNIGHT CONSTRUCTION
635 NW FRONTAGE RD,
AUGUSTA, GA 30907
(706) 863-7784

STRUCTURAL ENGINEER:
SDL
2300 WINDY RIDGE PKWAY SE, SUITE 675 SOUTH
ATLANTA, GA 30339
(770) 850-1347

ELECTRICAL ENGINEER:
ELECTRICAL DESIGN CONSULTANTS, INC.
1201 BROAD STREET
AUGUSTA, GA 30901
706-724-3551 EXT 209

MECHANICAL & PLUMBING ENGINEER:
PFA ENGINEERING, INC.
1201 BROAD STREET, STE 3A
AUGUSTA, GA 30901
706-722-3959
706-990-9167

LOW VOLTAGE:
STAGE FRONT
1000 HOLCOMB WOODS PKWY, STE 116
ROSWELL, GA
30076
800-736-9242

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Rev #	Date	Issue/Revision
1	02.03.23	ISSUE FOR CONSTRUCTION

STATE OF GEORGIA
SCOTT T. NORMAN
CERTIFICATE NO. 30076
REGISTERED ARCHITECT
Scott T. Norman
2/3/2023

ISSUED FOR CONSTRUCTION

COVER SHEET

JUNIOR ACHIEVEMENT
4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024

DRAWING NO:
AT-00

LOCATION MAP:

PROJECT DESCRIPTION

PROJECT NAME	JA DISCOVERY CENTER AUGUSTA INTERIOR FIT-UP
RJT+R COMMISSION NO.	22-024
JURISDICTION	STATE OF GEORGIA,
EXISTING USE CLASS	S-1
PROPOSED	MIXED USE
NFPA USE CLASS	S-1, A3, & B - 2012 & 2018 iBC
CONSTRUCTION TYPE	TYPE IIB (UNLIMITED AREA FOR 2B PER 507.2 / FULLY SPRINLERED & 60 YARD BUFFER)
HIGH-RISE	NO
SPRINKLERED	YES
NUMBER OF FLOORS	1
YEAR BUILT	1974

CODES & ORDINANCES

APPLICABLE CODES AND STANDARDS		EFFECTIVE DATE
BUILDING:	INTERNATIONAL BUILDING CODE, 2018 EDITION WITH GA. STATE AMENDMENTS	2020
FUEL GAS:	INTERNATIONAL FUEL GAS CODE, 2018 EDITION WITH GA. STATE AMENDMENTS	2020
MECHANICAL:	INTERNATIONAL MECHANICAL CODE, 2018 EDITION WITH GA. STATE AMENDMENT	2020
PLUMBING:	INTERNATIONAL PLUMBING CODE, 2018 EDITION WITH GA. STATE AMENDMENTS	2020
FIRE CODE:	INTERNATIONAL FIRE CODE, 2018 EDITION WITH GA. STATE AMENDMENTS	2018
ENERGY CONSERVATION:	INTERNATIONAL ENERGY CONSERVATION CODE, 2015 EDITION W/ GA. AMENDMENTS	2020
ELECTRICAL:	NATIONAL ELECTRICAL CODE, 2020	2020
EGRESS & LIFE SAFETY:	NFPA 101 LIFE SAFETY CODE, 2018 EDITION WITH GA. STATE AMENDMENTS	2018
ACCESSIBILITY:	2010 ADA STANDARDS FOR ACCESSIBILITY	2010

ABBREVIATIONS:

AB Anchor Bolt
A/C Air Condition (ED) (ING)
ACCESS Accessible
ACS PNL Access Panel
ACP Acoustical Ceiling Panel
ACST Acoustic (AL)
ACT Acoustical Ceiling Tile
AD Area Drain
ADD Addendum
ADH Adhesive
ADJ Adjustable
AFF Above Finish Floor
AGGR Aggregate
AHU Air Handling Unit
ALT Alternate
ALUM Aluminum
ANN Annunciator
ANOD Anodized
APPROX Approximate
ARCH Architect (URAL)
ASPH Asphalt
AUTO Automatic
AWI Architectural Woodwork Institute

B Base
B/ Bottom of
B/B Back to Back
B BD Baseboard
B MK Benchmark
BB Bulletin Board
BBN Bolt, Beranek & Newman
BD Board
BG Bumper Guard
BITUM Bituminous
BLDG Building
BLKG Blocking
BM Beam
BOT Bottom
BR Brick
BRG Bearing
BRZ Bronze
BSMT Basement

C Compact parking
CAB Cabinet
CAC Ceiling Attenuation Class
CB Catch Basin
CCTV Closed Circuit Television
CEM Cement
CG Corner Guard
CH Coat Hook
CI Cast Iron
CIP Cast-in-Place
CIR Circle
CIRC Circulation
CJ Control Joint
CL Center Line
CL AN Clear Anodized
CLG Ceiling
CLG HT Ceiling Height
CLOS Closet
CLR Clear (ANCE)
CM Centimeter
CM Construction Manager
CMU Concrete Masonry Unit
CO Cleanout
COL Column
CONC Concrete
CONF Conference
CONN Connection
CONST Construction
CONT Continuous
CONTR Contractor
COORD Coordinate
CORR Corridor
CPT Carpet (ED) (ING)
CSK Countersunk
CT Ceramic Tile
CTR Center
CU Cubic
CW Cold Water

d penny (nail)
D Depth

DBL Double
DEG Degree
DEMO Demolish
DEPT Department
DET Detail
DF Drinking Fountain
DIA Diameter
DIAG Diagonal
DIFF Diffuser
DIM Dimension
DISP Dispenser
DIV Division
DL Dead Load
DN Down
DP Dampproofing
DR Door
DS Downspout
DTL Detail
DW Dishwasher
DWG Drawing
DWR Drawer

E East
EA Each
EDF Electric Drinking Fountain
EIFS Exterior Insulation Finish System
EJ Expansion Joint
EL Elevation
ELAST Elastomeric
ELEC Electric (AL)
ELEV Elevator
EMER Emergency
ENCL Enclosure
ENGR Engineer
ENTR Entrance
EO Electrical Outlet
EOS Edge of Slab
EP Electrical Panel
EQ Equal
EQUIP Equipment
EPX Epoxy
ES Emergency Shower
ETC Etcetera
EWC Electric Water Cooler
EXH Exhaust
EXIST Existing
EXP Expansion
EXP Expansion
EXT Exterior

F/ Face of
F/F Face to Face
FA Fire Alarm

GHM Galvanized Hollow Metal
GL Glass, Glazing
GLU LAM Glue Laminated Wood
GR Grade
GSF Gross Square Foot(FEET)
GT Grease Trap
GWB Gypsum Wall Board
GYP Gypsum
GYP PLAS Gypsum Plaster

H High
HB Hose Bibb
HC Hollow Core
H/C Handicap (PED)
HDBD Hardboard
HDW Hardware
HDWD Hardwood
HM Hollow Metal
HO Hold Open
HORIZ Horizontal (LY)
HP High Point
HPC High Performance Coating
HPL High Pressure Laminate

HR Hour
HT Height
HTG Heating
HTR Heater
HV Homogeneous Vinyl
HVAC Heating, Ventilation, Air Conditioning
HW Hot Water
HYD Hydrant

ID Inside Diameter
IN Inches
INCAND Incandescent
INCL Include(D), including
INSUL Insulation
INT Interior
INTERM Intermediate
INV Invert

JAN Janitor (CLOSET)
JAN CLO Janitor Closet
JB Junction Box
JT Joint

KD Knockdown
KIT Kitchen
KO Knockout

L Length
LAM Laminate
LAV Lavatory
LB(S) pound(s)
LEV Level
LF Linear Foot (FEET)
LH Left Hand
LKR Locker
LL Live Load
LNG Longitude, longitudinal
LP Low Point
LT Light
LTG Lighting
LVP Low Voltage Panel
LWC Lightweight Concrete
LYR Layer

MACH Machine
MAINT Maintenance
MAS Masonry
MATL Material
MAX Maximum
MDF Medium Density Fiberboard
MECH Mechanic (AL)
MEMB Membrane
MEZZ Mezzanine
MFR Manufacturer
MIN Minimum
MIN Minute
MIR Mirror
MISC Miscellanious
MKR BD Marker Board
MLDG Moulding
MO Masonry Opening
MRO Masonry Rough Opening
MTD Mounted
MTG Mounting
MTL Metal
MULL Mullion
MVBL Movable

N North
N/A Not Applicable
NIC Not in Contract
NO Number
NOM Nominal
NRC Noise Reduction Coefficient
NSF Net Square Foot (Feet)
NTS Not to Scale

OA Overall
OC On Center
OD Outside Diameter
OFD Overflow Drain
OFF Office

OH Opposite Hand
OPNG Opening
OPP Opposite
OS Overflow Scupper

P Paint
PA Public Address
PBD Particle Board
PC Precast
PCC Precast Concrete
PERP Perpindicular
PGBD Pegboard
PL Plastic Laminate
PL Plate
PLAM Plastic Laminate
PLBG Plumbing
PLYWD Plywood
PNL Panel
PNT Paint
POL Polished
PR Pair
PREFAB Prefabricated
PRKG Parking
PROJ Project
PROJ SCRN Projection Screen
PROP Property
PSF Pounds per Square Foot
PSI Pounds per Square Inch
PSS Polished Stainless Steel
PT Paint
PTN Partition
PVC Polyvinyl Chloride
PVG Paving

QT Quarry Tile
QTY Quantity

R Measure of Thermal Resistance
RAD Radius
RAF Raised Access Floor(ING)
RAL Riverbank Acoustical Laboratories
RB Rubber Base
RC Reinforced Concrete
RCP Reflected Ceiling Plan
RCPTN Reception
RD Roof Drain
RE: Reference
REC Recessed
REFR Refrigerator
REINF Reinforce (ING) (MENT)
REQD Required
RESIL Resilient
REV Revise (D) (ION)
RFG Roofing
RH Right Hand
RL Rain Leader
RM Room
RO Rough Opening
ROW Right-of-Way

S South
SAB Sound Attenuation Batts
SAN Sanitary
SC Solid Core
SCHED Schedule
SCONC Sealed Concrete
SCWD Solid Core Wood(Door)
SECT Section
SERV Service
SF Square Foot (FEET)
SHLV Shelving
SHR Shower
SHT Sheet
SHTH Sheathing
SIM Similar
SP Standpipe
SPEC(S) Specification(S)
SPKR Speaker
SQ Square
SQ IN Square Inch
SS Stainless Steel
SS4 Stainless Steel #4 Finish
ST Stain

STC Sound Transmission Coefficient
STD Standard
STL Steel
STN Stone
STOR Storage
STRUCT Structure (AL)
SUSP Suspended
SUSP CLG Suspended Ceiling
SV Sheet Vinyl
SVC Sprinkler Valve Cabinet
SYMM Symmetrical
SYS System

T Tread
T/ Top of
T/F Top of Footing
T/P Top of Parapet
T/S Top of Steel
T/W Top of Wall
T&B Top & Bottom
T&G Tounge & Groove
TAND Tandem parking
TEL Telephone
TEMP Temporary
TER Terrazzo
THK Thick (ENED) (NESS)
TKBD Tackboard
TLT Toilet
TMPD Tempered
TOPO Topograph (Y) (IC)
TRANS Transformer
TRTD Treated
TS Tube Steel
TV Television
TYP Typical

U Heat Transfer Coefficient
UC Undercut
UGND Underground
UH Unit Heater
UL Underwriters Laboratories Inc.
UNEXC Unexcavated
UNFIN Unfinished
UNO Unless Noted Otherwise
UPH Upholstery
US Underslab
USG USG Corporation
UTIL Utility

V SHT Vinyl Sheet
VB Vinyl Base
VCT Vinyl Composition Tile
VENT Ventilation
VERT Vertical
VEST Vestibule
VIF Verify in Field
VOL Volume
VT Vinyl Tile
VWC Vinyl Wallcovering

W West
W Wide, Width
W/ With
W/D Washer/Dryer
W/O Without
WC Water Closet
WD Wood
WF Wide Flange
WG Wire Glass
WH Water Heater
WI Wrought Iron
WIN Window
WM Wire Mesh
WMN Women's
WSCT Wainscoat
WP Workpoint
WRO Window Rough Opening
WT Weight
WWF Welded Wire Fabric

X By

YD Yard

MATERIAL & ARCHITECTURAL SYMBOLS:

PROJECT DESCRIPTION:

A. PROJECT SCOPE SUMMARY:
1. THE PURPOSE OF THIS PROJECT IS TO REDEVELOP THE EXISTING COLUMBIA COUNTY SCHOOL DISTRICT I.T./TRANSPORTATION DEPARTMENT BUILDING TO ACCOMODATE AN ASSEMBLY SPACE FOR JUNIOR ACHIEVEMENT.
2. WORK IS LIMITED TO INTERIOR FIT-UP INCLUDING DEMOLITION, ELECTRICAL, MECHANICAL, PLUMBING, STRUCTURAL, AND DATA CABLING. THE EXISTING SLAB, AND EXTERIOR WALLS TO REMAIN.
3. EXTERIOR WORK IS LIMITED TO COMPLIANT EGRESS LANDINGS. RE-STRIPING OF PARKING SPACES
4. WORK WILL BE PERFORMED IN A MIXED OCCUPANCY/MULTIPLE TENANT EXISTING BUILDING.

GENERAL NOTES:

1. ALL DIMENSIONS ARE TO FINISHED FACE OF PARTITION, EXCLUDING WOOD OR STONE FINISHES, UNLESS NOTED OTHERWISE.
2. ELEVATIONS AND LEVELS ARE SHOWN TO TOP OF FINISHED HARD SURFACES (CONCRETE FLOOR SLAB), EXCLUDING APPLIED FINISHES (CARPET, VCT, OTHER THINSET FINISH MATERIALS).
3. DO NOT SCALE DRAWINGS - DIMENSIONS SHALL GOVERN. DETAILS SHALL GOVERN OVER PLANS AND ELEVATIONS. LARGE SCALE DETAILS SHALL GOVERN OVER SMALL SCALE DETAILS. WRITTEN SPECIFICATIONS SHALL GOVERN OVER ALL.
4. ALL MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION ELEMENTS LOCATED IN PUBLIC AREAS SHALL BE FIELD LOCATED AND APPROVED BY THE ARCHITECT.
5. CEILING AND ACCESS PANELS SHALL BE PROVIDED IN NON-ACCESSIBLE CEILINGS, INCLUDING BUT NOT LIMITED TO BELOW THE FOLLOWING MECHANICAL, AND PLUMBING DEVICES:
   A. VALVES
   B. FLOW MEASURING DEVICES
   C. MIXING BOXES
   D. POWER OPERATED DAMPERS
   E. ACCESS PANELS IN DUCTWORK
   F. VOLUME AND BALANCING DEVICES
   G. WATER FLOW SWITCHES
   H. SPRINKLER SYSTEM DRAINS AND TEST CONNECTIONS
   I. PRESSURE SWITCHES
6. DEVICES REQUIRING ACCESS PANELS SHALL NOT BE LOCATED ABOVE NON-ACCESSIBLE CEILINGS IN PUBLIC AREAS UNLESS APPROVED BY THE ARCHITECT.
7. ALL FASTENERS AND ATTACHMENTS SHALL BE FULLY CONCEALED FROM VIEW, UNLESS NOTED OTHERWISE.
8. THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, CONDITIONS, AND EQUIPMENT LOCATIONS IN THE FIELD PRIOR TO ORDERING MATERIALS OR COMMENCING WORK. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ALL DISCREPANCIES OR QUESTIONS AND OBTAIN REQUIRED CLARIFICATION PRIOR TO COMMENCING WORK.

AREA SUMMARY:

ASSEMBLY UNCONCENTRATED	17,144 SF
STORAGE JA'S SPACE	2,934 SF
STORAGE APS SPACE	4,253 SF
CIRCULATION	2,778 SF
THEATRE	1, 772 (# OF SEATS = 169)
BUSINESS	3,541
TOTAL SF: 32,522	

RJ TR

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ISSUED FOR CONSTRUCTION

GENERAL INFORMATION

JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024
DRAWING NO:

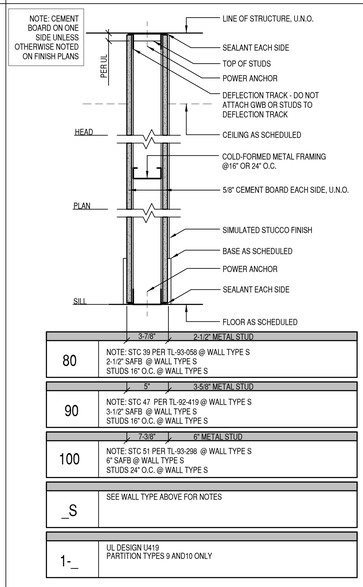
AT-02

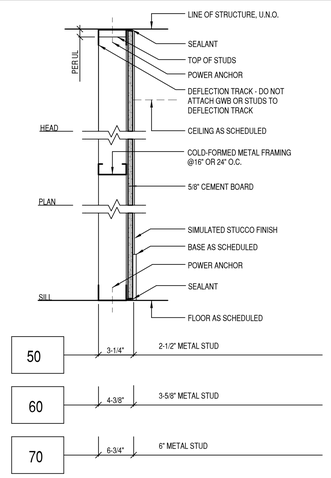
LEGEND

PARTITION NUMBER

_	NON-RATED COLD-FORMED METAL FRAMING TO STRUCTURE GWB TO STRUCTURE
_P	NON-RATED PARTIAL HEIGHT PARTITION COLD-FORMED METAL FRAMING & GWB TO 12'-0" AFF OR AS NOTED ON A1-01 PARTITION PLAN OR A7-01 TO A7-06 DETAIL SHEETS
_C	NON-RATED COLD-FORMED METAL FRAMING & GWB TO FINISHED CEILING PROVIDE BRACING AS REQUIRED
_CS	NON-RATED _C WITH 3" SOUND ATTENUATION BLANKETS (SAB)& 4' WIDE SAB ABOVE CEILING CTRD ON PARTITION
_K	NON-RATED COLD-FORMED METAL FRAMING & GWB TO 4" ABOVE CEILING W BRACING AS REQUIRED OR EXTEND STUDS TO STRUCTURE
_KS	NON-RATED K WITH 3" SOUND ATTENUATION BLANKETS (SAB)& 4' WIDE SAB ABOVE CEILING CTRD ON PARTITION
_S	NON-RATED COLD-FORMED METAL FRAMING & GWB TO STRUCTURE 3" SOUND ATTENUATION BLANKETS, U.N.O.
1-_	1 HOUR FIRE-RATED COLD-FORMED METAL FRAMING & GWB TO STRUCTURE THERMAL INSULATION PER UL REQUIREMENTS
2-_	2 HOUR FIRE-RATED (TYP FOR 3 & 4 HOUR RATED) COLD-FORMED METAL FRAMING & GWB TO STRUCTURE THERMAL INSULATION PER UL REQUIREMENTS
_E	EXISITING
_T	THERMAL INSULATION - R-19 BATT INSULATION

NOTE: CEMENT BOARD ON ONE SIDE UNLESS OTHERWISE NOTED ON FINISH PLANS



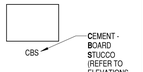


ABUSE-RESISTANT SUFFIXES

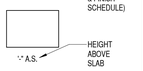
NOTE: SUFFIX MAY BE ADDED TO ANY OF THE ABOVE PARTITIONS

_A	ABUSE-RESISTANT GYPSUM BOARD ON OUTER LAYER TO 8'-0" AFF - 1 SIDE
_B	ABUSE-RESISTANT GYPSUM BOARD ON OUTER LAYER TO 8'-0" AFF - 2 SIDES

FINISH DESIGN APPLICATION SUFFIXES



PARTITION HEIGHTS



GENERAL NOTES

1. CONTRACTOR SHALL ADJUST STUD GUAGE AND/OR SPACING AND BRACE AS NECESSARY SO AS NOT TO EXCEED L/240 DESIGN CRITERIA.

2. PROVIDE RATED WALLS ACCORDING TO THE FULL REQUIREMENTS OF THE INDICATED TEST NUMBER.

3. RATED WALLS AND SMOKE BARRIERS SHALL BE PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING ABOVE ANY CEILING AND/OR IN CONCEALED SPACE WITH LETTERS A MINIMUM OF 2" HIGH ON A CONTRASTING BACKGROUND SPACED A MAXIMUM OF 12' OC WITH A MINIMUM OF 1 PER WALL OR BARRIER. THE HOURLY FIRE RATING SHALL BE INCLUDED ON ALL RATED BARRIERS OR WALLS. SUGGESTED WORDING " ( ) HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS."

4. FOR RATED WALLS THAT EXTEND TO FLUTED STEEL DECK/CONCRETE FLOOR ASSEMBLY, COMPLY WITH FIRE-RATING REQUIREMENTS OF U.L. SYSTEM No. HW-D-0001 OR HW-D-0002.

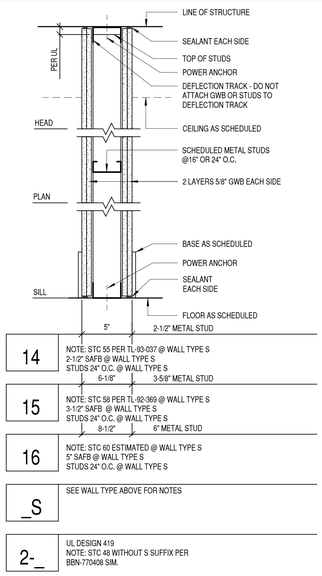
5. APPLY SEALANT TO WALLS AS REQUIRED TO MEET THE INDICATED STC OR FIRE RATING. APPLY SEALANT TO ENTIRE PARTITION PERIMETER AND PENETRATIONS PER MFR'S RECOMMENDATIONS OR UL REQUIREMENTS.

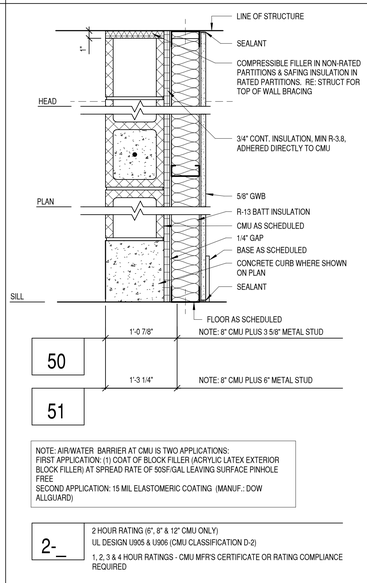
6. STAGGER ELECTRICAL OUTLETS 12" MINIMUM AT ALL PARTITIONS.

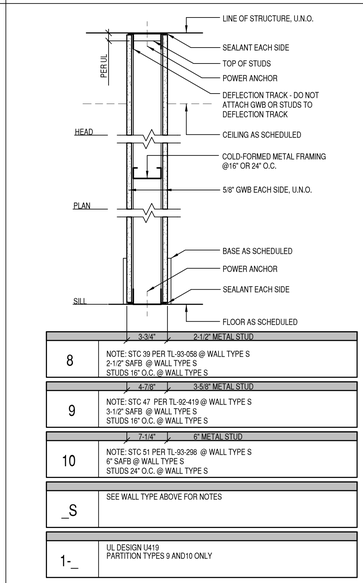
7. PROVIDE IN WALL BLOCKING FOR MILLWORK, ARTWORK, FURNISHINGS, HARDWARE, WALL STOPS, TOILET ACCESSORIES, GRAB BARS, CLOSET RODS, HANDRAILS, WALL BUMPERS, MODULAR OFFICE WALLS, ETC.

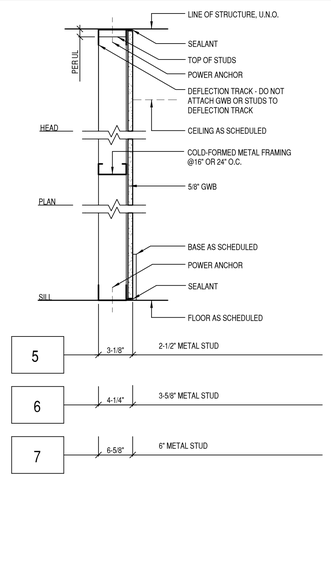
8. ALL VERTICAL PIPING EXPOSED IN ROOMS SHALL BE FURRED WITH SAME MATERIAL AS ADJACENT WALLS. EXCEPTIONS ARE: MECHANICAL ROOMS, ELECTRICAL ROOMS, TELEPHONE ROOMS.

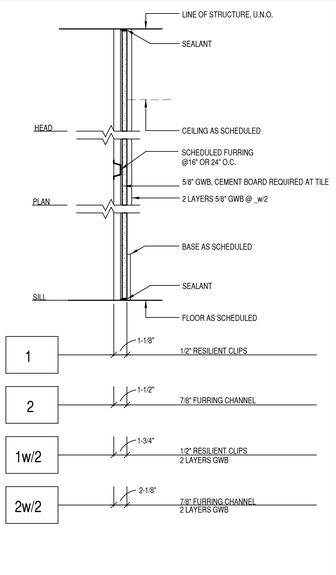
9. METAL STUD PARTITIONS BEHIND ALL PLUMBING AND OTHER FIXTURES SHALL BE BRACED TO STRUCTURE WHERE REQUIRED TO SUPPORT THE EQUIPMENT PROVIDED.











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Rev #	Date	Issue/Revision
1	02.03.23	ISSUE FOR CONSTRUCTION

STATE OF GEORGIA
SCOTT T. NORMAN
CERTIFICATE NO. 32867
REGISTERED ARCHITECT
2/3/2023

ISSUED FOR CONSTRUCTION

PARTITION NOTES & TYPES

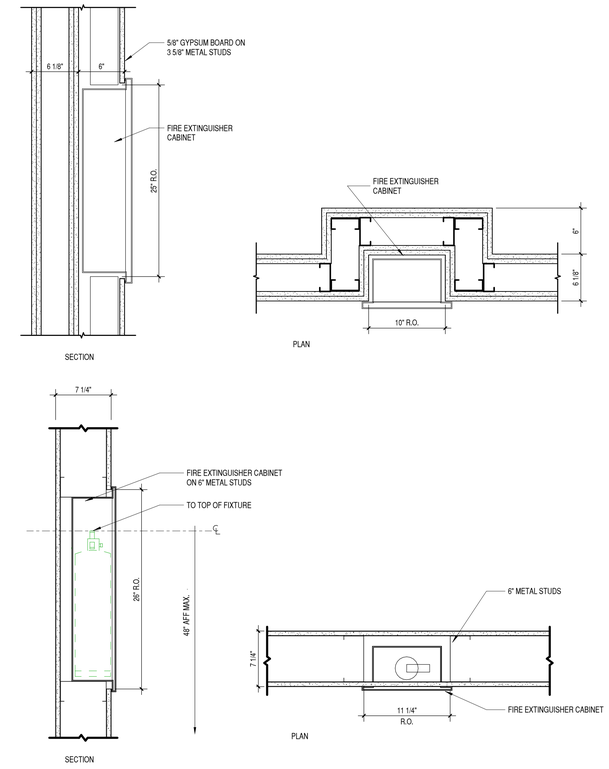
JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024

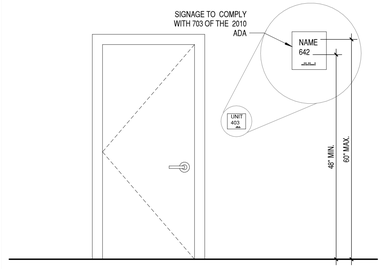
DRAWING NO:

AT-03



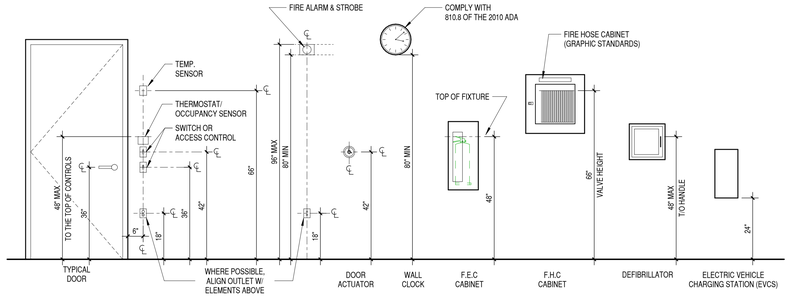
TYP FIRE EXTINGUISHER CABINET

1 1/2" = 1'-0"



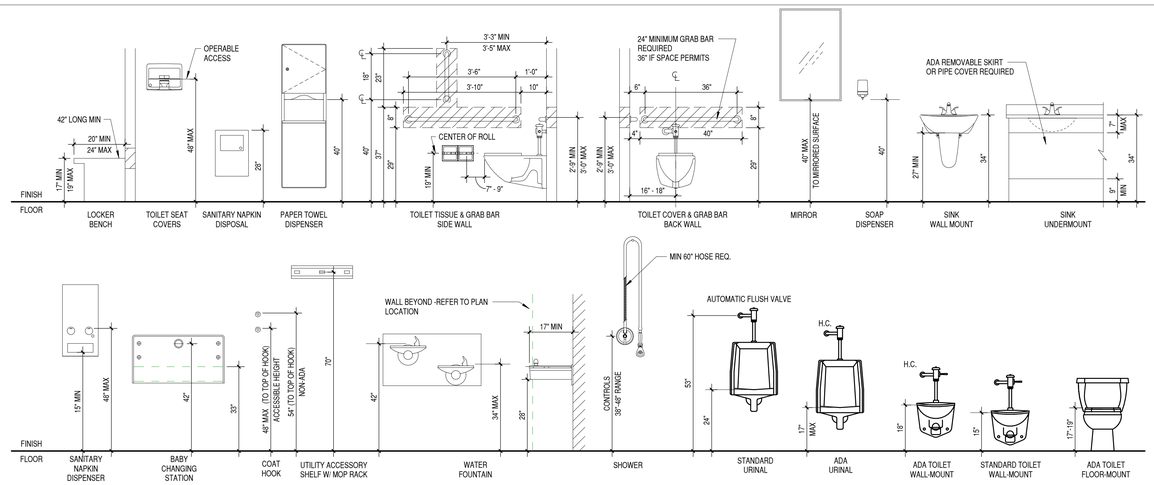
TYP DOOR SIGNAGE HEIGHTS

1/2" = 1'-0"



TYP MOUNTING HEIGHTS

1/2" = 1'-0"



TYP PUBLIC MOUNTING HEIGHTS

1/2" = 1'-0"

2010 ADA

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Rev #	Date	Issue/Revision
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STATE OF GEORGIA
SCOTT T. NORMAN
CERTIFICATE NO. 5[illegible]
REGISTERED ARCHITECT
2/3/2023

ISSUED FOR CONSTRUCTION

TYPICAL PUBLIC MOUNTING HEIGHTS

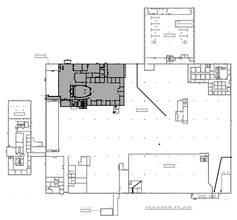
JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

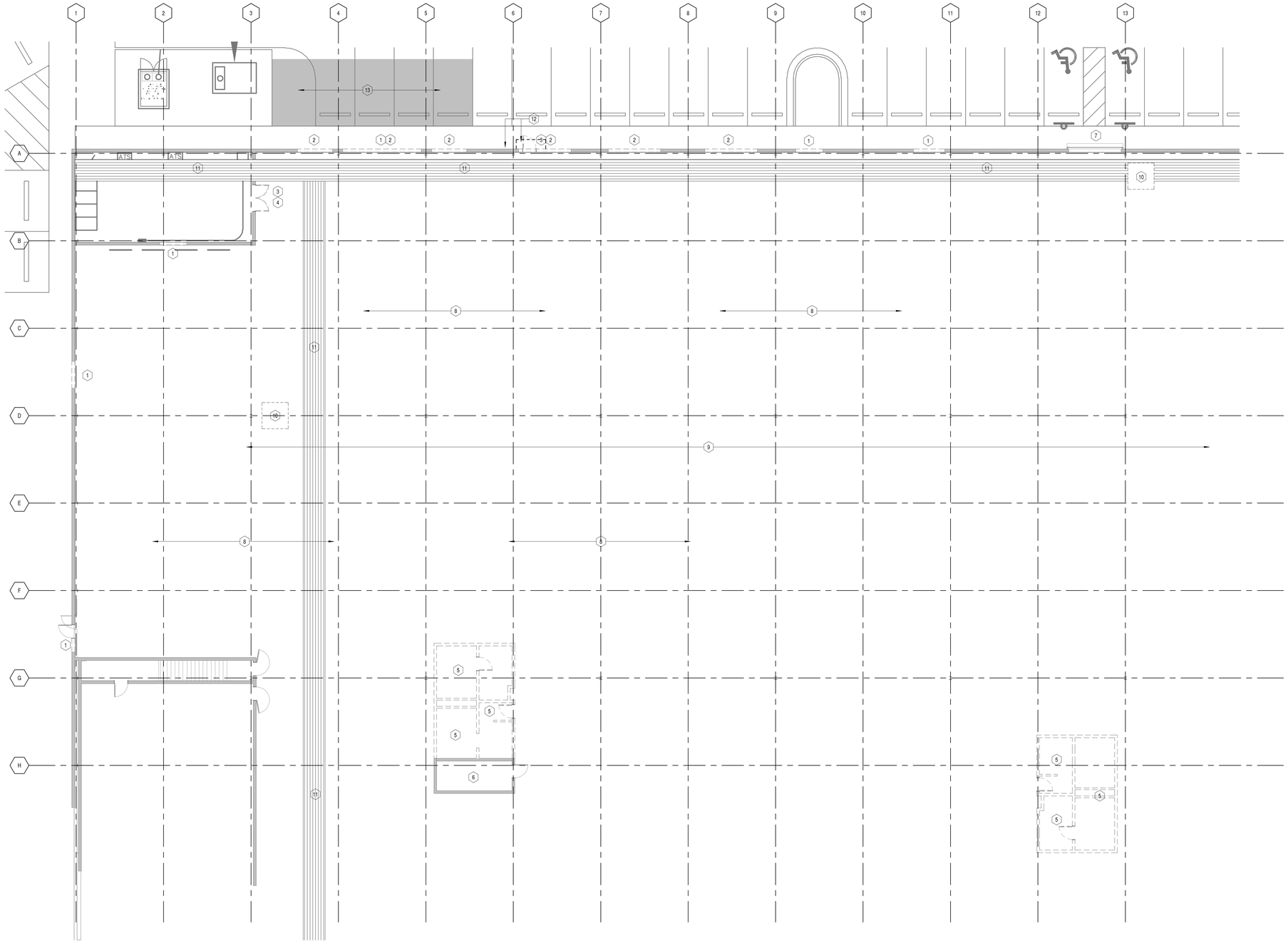
COMMISSION NO: 22_024

DRAWING NO:

AT-06



2 **KEYPLAN**
1" = 200'-0"



1 **DEMOLITION PLAN**
1" = 10'-0"

DEMO PLAN LEGEND:

	AREA NOT IN CONTRACT
	EXISTING PARTITION TO REMAIN
	DEMOLISHED PARTITION
	EXISTING DOOR AND FRAME TO BE REMOVED / RELOCATED
	EXISTING DOOR AND FRAME TO REMAIN

DEMO PLAN GENERAL NOTES:

1. DEMOLITION IS NOT NECESSARILY LIMITED TO WHAT IS SHOWN ON THE DRAWINGS. THE INTENT OF THE DRAWINGS IS TO INDICATE THE GENERAL SCOPE OF DEMOLITION REQUIRED TO COMPLETE THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. CONTRACTOR SHOULD BE FAMILIAR WITH ALL PHYSICAL CONDITIONS OF SITE, PRIOR TO BIDDING WORK.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING AND/OR REPAIRING ANY DAMAGE CAUSED BY THE GENERAL CONSTRUCTION. REFINISH DAMAGED SURFACES TO MATCH EXISTING ADJACENT FINISH.
3. CONTRACTOR SHALL RETAIN ALL EXISTING FIRE ALARM DEVICES AND WIRING. TIE UP ALL WIRING FROM CEILING AND LEAVE IN PLACE. THE EXISTING FIRE ALARM SYSTEM SHALL REMAIN FUNCTIONAL DURING THE ENTIRE TIME OF RENOVATION.
4. REFER TO MECHANICAL PLANS FOR REUSE OR RELOCATION OF ANY ABOVE CEILING DUCTWORK, DIFFUSERS, GRILLES, SPRINKLER PIPES OR OTHER EQUIPMENT, AS REQUIRED FOR PROPER DISTRIBUTION WITH NEW LAYOUT.
5. EXISTING CARPET AND BASE TO BE REMOVED. PREP FOR NEW FINISHES. REFER TO A4 SERIES.

DEMO PLAN KEYNOTES:

1. NEW OPENING FOR SCHEDULED DOOR(S)
2. NEW OPENING FOR SCHEDULED CURTAIN / WINDOW WALL
3. DEMO EXISTING DOOR
4. INFILL DOOR OPENING, PREP FOR NEW FINISH
5. DEMO EXISTING RESTROOMS, REMOVE & CAP ALL PLUMBING FIXTURES, WALL & FLOOR TILE, LIGHTING. PREP FLOORING FOR NEW FINISHES
6. DATA CLOSET TO REMAIN IN PLACE
7. EXISTING GARAGE DOOR TO REMAIN
8. EXISTING CONCRETE / OIL SPILLS TO BE CLEANED AND TREATED/SEALED AS REQUIRED TO PREVENT FLOORING DELAMINATION
9. RELOCATE WATERLINE AT CEILING
10. OVERHEAD GAS HEATERS TO BE REMOVED, COORDINATE WITH OWNER ON STORAGE
11. EXISTING DATA RACEWAY TO REMAIN, COORDINATE WITH IT FOR ALL NEW INFRASTRUCTURE - FIRE SEAL ALL WALL PENETRATIONS.
12. REMOVE EXISTING WALL SCONCE AND ENTRY CANOPY
13. DEMO EXISTING PARKING SPACES & CONCRETE. MAKE READY FOR NEW ENTRY SLAB, CURBS AND FOOTINGS AS REQUIRED. SEE STRUCTURAL

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STATE OF GEORGIA
Scott T. Norman
SCOTT T. NORMAN
2/3/2023
CERTIFICATE NO. 5[illegible]
REGISTERED ARCHITECT

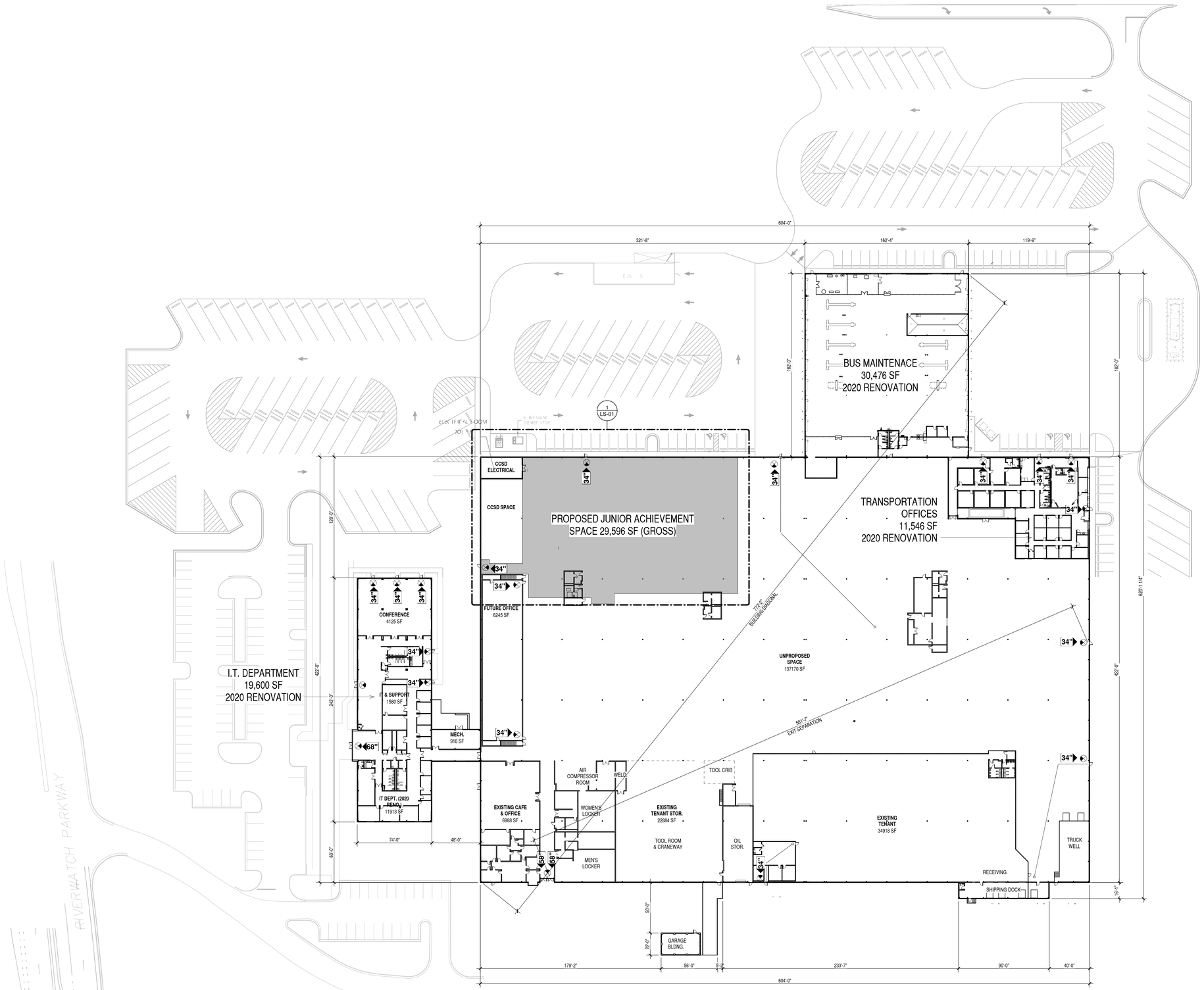
ISSUED FOR CONSTRUCTION

DEMOLITION PLAN

JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024
DRAWING NO:
D1-01



307,555 SF TOTAL

CONSTRUCTED IN 1974

1 EXISTING BUILDING LIFE SAFETY & SITE PLAN

1" = 40'-0"

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Rev #	Date	Issue/Revision
1	02.03.23	ISSUE FOR CONSTRUCTION

STATE OF GEORGIA
SCOTT T. NORMAN
CERTIFICATE NO. 5986
REGISTERED ARCHITECT
2/3/2023

ISSUED FOR CONSTRUCTION

EXISTING BUILDING LIFE SAFETY & SITE PLAN

JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024

DRAWING NO:

LS-00

LIFE SAFETY OCCUPANCY LEGEND

- **ASSEMBLY WITHOUT FIXED SEATS (Tables and chairs)** 15 SF / PERSON
- **STORAGE** 500 SF / PERSON
- **BUSINESS** 150 SF / PERSON
- **THEATRE (ASSEMBLY WITH FIXED SEATS)** PER # OF CHAIRS
- **CLASSROOM** 20 SF / PERSON

OCCUPANT LOAD CALCULATIONS:

OCCUPANCY COUNTS NFPA 101 TABLE 7.3.1.2 JUNIOR ACHIEVEMENT SPACE	
ASSEMBLY UNCONCENTRATED STORAGE THEATRE BUSINESS CLASSROOM	11,498 SF / 15 = 767 2,789 SF / 500 = 6 2,261 (# OF SEATS = 169) 9,898 / 150 = 66 1,084 / 55
	TOTAL SF: 31,529 TOTAL OCCUPANTS: 1,063

CCSD SPACE:	
STORAGE:	4,253 / 500 = 9
	TOTAL OCCUPANTS: 9

ASSEMBLY OCCUPANCY PLUMBING CALCULATIONS IBC 2018 Table 2902.2 - A3 Occupancy	PROVIDED
Total Assembly Occupants - 1,063/2 = 532M, 532F WATERCLOSETS: 1 PER 65 FEMALE = 532/65 = (9) 1 PER 125 MALE = 532/125 = (5) TOTAL REQUIRED = 14 (9 FEMALE, 5 MALE)	WATERCLOSETS: WOMEN - 9 (INCLUDES 1 ADA) MEN -7 (INCLUDES 1 ADA) UNISEX- 2 (INCLUDES 2 ADA) MEETS OR EXCEEDS MINIMUM
LAVATORIES: A3 ASSEMBLY REQUIRED: 1 PER 200 FEMALE = (3) 1 PER 200 MALE = (3) TOTAL REQUIRED = 6	LAVATORIES: 13 MEETS OR EXCEEDS MINIMUM
Fountain: 1 PER 1000 = 1063/1000 = 2.	FOUNTAIN: 1 BI-LEVEL FOUNTAIN AND ONE SINK AT BREAK ROOM

EGRESS CAPACITY PROVIDED:

#	WIDTH	FACTOR	OCC. LOAD
1	80"	0.2"	400
2	68"	0.2"	340
3	68"	0.2"	340
4A&B	68"	0.2"	340
	284"		1,420

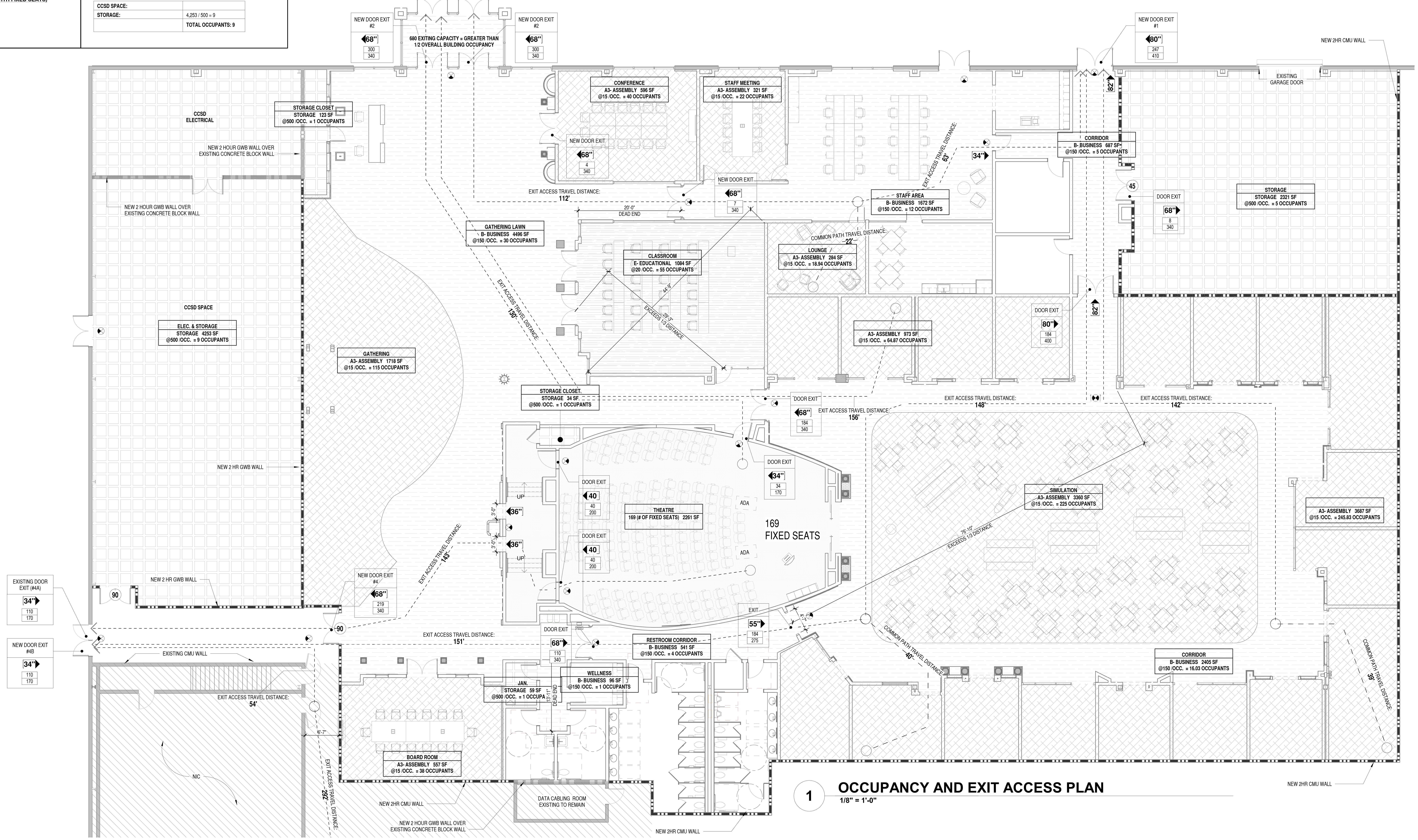
EGRESS CAPACITY NOTES:

SUMMARY: MEETS OR EXCEEDS MINIMUM, OCCUPANT LOAD = 1,063

TRAVEL DISTANCE
200' MAX IF FIRE SPRINKLERED: 2018 LSC TABLE A.7.6
PROVIDED- 40' + 151" = 191

MAX DEAD END
20' MAX IF FIRE SPRINKLERED: 2018 LSC TABLE A.7.6
PROVIDED- 20'-0"

MAX COMMON PATH OF TRAVEL
75 MAX IF FIRE SPRINKLERED: 2018 LSC TABLE A.7.6
PROVIDED- 40'



1 OCCUPANCY AND EXIT ACCESS PLAN
1/8" = 1'-0"

LIFE SAFETY LEGEND:

- 1 HOUR FIRE RATED
- 2 HOUR FIRE RATED
- 3 HOUR FIRE RATED
- 4 HOUR FIRE RATED
- SMOKE PARTITION
- 1 HOUR FIRE/SMOKE PARTITION
- 150' - 0" EGRESS PATH & TRAVEL DISTANCE
- FE BRACKET MOUNTED FIRE EXTINGUISHER
- FEC FIRE EXTINGUISHER CABINET
- EXIT LIGHT WITH ARROW DIRECTION
- EXIT LIGHT
- 20 45 60 90 RATED DOOR ASSEMBLY (MINUTES)
- SD SELF-CLOSING SMOKE&DRAFT CONTROL DOOR
- 34" DOOR EXIT WIDTH (INCHES)
- 60" STAIR EXIT WIDTH (INCHES)
- 1 / 200 STAIR OCCUPANT LOAD SERVED / STAIR OCCUPANT LOAD CAPACITY
- 1 / 300 DOOR OCCUPANT LOAD SERVED / DOOR OCCUPANT LOAD CAPACITY

LIFE SAFETY KEYNOTES:

AS ASSEMBLY SEPARATION
1 HOUR FIRE BARRIER W/ FIRE SPRINKLER:
IBC TABLE 508.4 & LSC TABLE 6.1.14.4.1
45 MINUTE DOORS: IBC TABLE 716.5

BS BUILDING EXIT STAIR
2 HOUR FIRE BARRIER: IBC 707.3.3 & 1009.3.1.2
PRESSURIZED STAIR OPTION: IBC 1022.10
(SMOKEPROOF ENCLOSURE: REQUIRED PER SFR 120-3-3, LSC 11.8.2.3 & IBC 403.5.4 & 909.20 IF HIGH-RISE)
90 MINUTE DOORS (100 SQUARE INCH GLASS): IBC TABLE 716.5
PROVIDE LUMINOUS EGRESS MARKINGS: IBC 403.5.5

CA CHUTE ACCESS ROOM
1 HOUR FIRE BARRIER: IBC 713.13.3
45 MINUTE DOOR: IBC 713.13.3

CH CHUTE (TRASH/LAUNDRY)
2 HOUR FIRE BARRIER: IBC 713.13.1 & 713.4

CS RESIDENTIAL SEPARATION
1 HOUR FIRE BARRIER W/ FIRE SPRINKLER:
IBC TABLE 508.4 & LSC TABLE 6.1.14.4.1
45 MINUTE DOORS: IBC TABLE 716.5

CT CHUTE TERMINATION (TRASH/LAUNDRY) ROOM
1 HOUR FIRE BARRIER: IBC 713.13.4 & 713.11 EX 2

EG EMERGENCY GENERATOR ROOM
2 HOUR FIRE BARRIERS: IBC 403.4.8.1
(RELATED SPACES INCLUDED)
90 MINUTE DOORS: IBC TABLE 716.5

EL ELEVATOR LOBBY
SMOKE PARTITIONS IF HIGH-RISE:
IBC 708, 713.14.1 EX 4.3 & EX 5 & 710
SELF-CLOSING SMOKE & DRAFT CONTROL DOORS: = SD
IBC 713.14.1 EX 5 & 710.5.2.2 & 710.5.2.3

EP EXIT PASSAGEWAY
2 HOUR FIRE BARRIER (MATCH RATING OF STAIR):
LSC 7.2.6, IBC 1023.3
90 MINUTE DOORS: IBC TABLE 716.5

ER ELECTRICAL ROOM
2 HOUR FIRE RATED: TO ADDRESS T-RATINGS IN FLOOR PENETRATIONS
90 MINUTE DOORS: IBC TABLE 716.5

ES ELEVATOR SHAFT
2 HOUR FIRE BARRIER > 3 FLOORS: IBC 713.4 & 713.5
90 MINUTE ELEVATOR DOORS: IBC TABLE 716.5

EX ELEVATOR LOBBY AT EXIT DISCHARGE
NOT REQUIRED IF SPRINKLERS: IBC 713.14.1 EX 1 & IBC 3007.7.2 EX

FA FIRE SERVICE ACCESS
BUILDING > 120', 2 ELEVATORS, 3500# MIN
PROVIDED PER IBC 3007: IBC 403.6.1
SERVE ALL FLOORS: IBC 3007.1
NO SPRINKLERS IN HOISTWAY OR MACHINE ROOM: IBC 3007.3.1
PROTECT HOISTWAY FROM WATER: IBC 3007.4
ELEVATOR LOBBY - 1 HOUR FIRE/SMOKE BARRIER, 45 MINUTE DOOR, 150 SF MIN, 8' MIN, PROVIDE FIRE HAT SYMBOL: IBC 3007.7
LOBBY ACCESS TO STAIR W/ CLASS I STANDPIPE: IBC 3007.7.1 & 3007.10
INCLUDE STAIR ACCESS OUTSIDE LOBBY: IBC 3007.10.1

FC FIRE COMMAND CENTER
1 HOUR FIRE BARRIER 200 SF & 10' WIDTH MIN: IBC 403.4.6 & 911
45 MINUTE DOORS: IBC TABLE 716.5

FP FIRE PUMP ROOM
2 HOUR FIRE BARRIER: IBC 403.3.3 & 913.2.1
90 MINUTE DOORS: IBC 716.5

HC HOTEL CONNECTING DOORS
DOOR CLOSERS NOT REQUIRED IN HOTEL (R-1)
CONNECTING ROOM DOORS: IBC 716.5.9 EX 1

LY LAUNDRY SEPARATION
NO RATING REQUIRED IF FIRE SPRINKLERS: IBC TABLE 509

MR ELEVATOR MACHINE ROOM
2017 GA AMENDMENTS TO IBC 2012 (SECTION 3006.4)
2 HOUR FIRE BARRIER: ASME A17.1-2004 SECTION 2.7.1.1.1

MS MECHANICAL SHAFT
2 HOUR FIRE BARRIER: IBC 713.4

OS OFFICE SEPARATION
1 HOUR FIRE BARRIER: IBC TABLE 508.4 & LSC TABLE 6.1.14.4.1
45 MINUTE DOORS: IBC TABLE 716.5

PS PARKING GARAGE SEPARATION (OFFICE/RETAIL)
2 HOUR BARRIER: LSC 36.1.3.2.1 & 38.1.3.2.1
NON-RATED OPENINGS & GLAZING ALLOWED PER CONDITIONS

RC FIRE RESISTANT RATED CORRIDOR
0.5 (1 PROVIDED) HOUR FIRE BARRIER:
IBC TABLE 1018.1 GROUP R OCCUPANCY
20 MINUTE DOORS: IBC TABLE 716.5

RS RETAIL SPACE SEPARATION
1 HOUR FIRE BARRIER: IBC TABLE 508.3.3 & LSC 36.1.2.2.4(3)
45 MINUTE DOORS PER IBC TABLE 715.4

SA STRETCHER ACCESS ELEVATOR
PROVIDED TO ALL FLOORS > 3 FLOORS: IBC 3002.4

SC SMOKE CONTAINMENT
ELEVATOR DOOR OPENING PROTECTIVE DEVICE IN ACCORDANCE W/ UL1784 AND COMPLIANT W/ ICC ES AC77 PROVIDED AT HOISTWAY OPENING PER 2010 GA INTERNATIONAL BUILDING CODE AMENDMENTS - SECTION 707.14.1 EXCEPTION 9.

ST STORAGE SEPARATION
NOT REQUIRED: IBC TABLE 508.4

SU SLEEPING UNIT SEPARATION
1 HOUR FIRE PARTITION (HOTEL & CONDO): IBC 420.2 & 708

TS TOWER EXIT STAIR
NOTE: ALL LISTED UNDER LIFE SAFETY KEYNOTE "BS" ARE APPLICABLE
STAIR WIDTH 56" MIN, CUMULATIVE OCCUPANT LOAD > 2000 (60" PROVIDED): LSC 7.2.2.2.1.2
3RD STAIR NOT REQUIRED, GROUP B < 420': IBC 403.5.2
STRUCTURAL INTEGRITY WALLS NOT REQUIRED: IBC 403.2.3

WC WATER CURTAIN
GLAZED OPENINGS IN 1 HOUR PARTITIONS.
PROVIDE AUTOMATIC SPRINKLERS SPACED 6'-0" OR LESS ALONG BOTH SIDES OF SEPARATION WALL, 4" - 12" AWAY FROM GLASS DESIGNATED SO THAT THE ENTIRE SURFACE OF GLASS IS WET UPON ACTIVATION OF THE SPRINKLER SYSTEM WITHOUT OBSTRUCTION. THE GLASS SHALL BE INSTALLED IN A GASKET FRAME.
PRECEDENT: IBC 404.6 EX 1

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Rev #	Date	Issue/Revision
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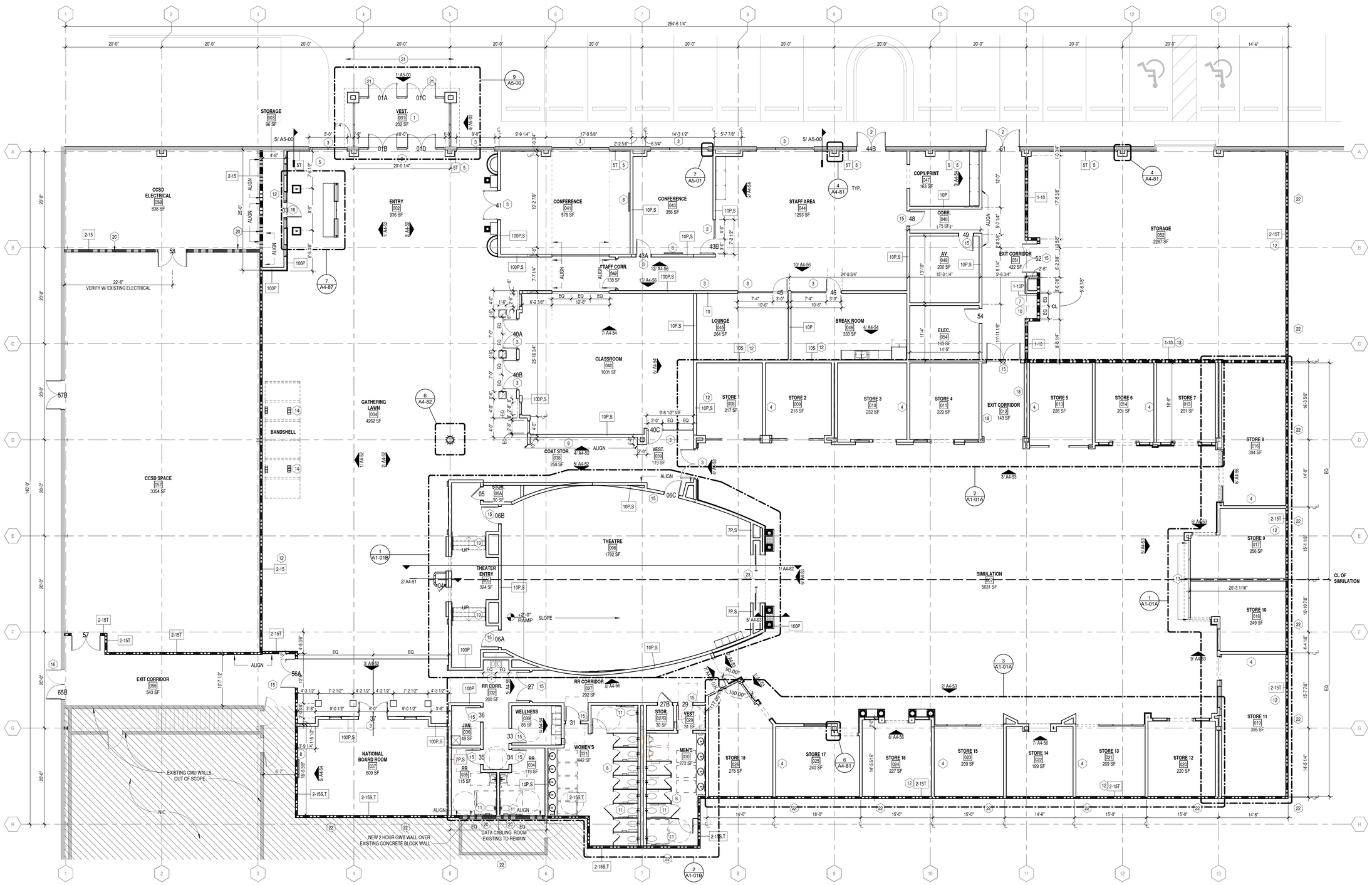
STATE OF GEORGIA — SCOTT T. NORMAN — CERTIFICATE NO. 5992 — REGISTERED ARCHITECT — Scott T. Norman 2/3/2023

ISSUED FOR CONSTRUCTION

OCCUPANCY AND EXIT ACCESS PLAN

JUNIOR ACHIEVEMENT
4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024
DRAWING NO:
LS-01



1 PARTITION PLAN

1/8" = 1'-0"

PARTITION LEGEND:

- EXISTING WALL TO REMAIN
- NEW PARTITIONS
- EXISTING DOOR TO REMAIN
- NEW DOOR
- 1 HOUR RATED PARTITION
- NIC — AREA NOT IN SCOPE

PARTITION GENERAL NOTES:

1. REFER TO SPECIFICATIONS AND SHEET ***A1-01*** AND ***A1-02*** FOR ADDITIONAL GENERAL NOTES.
2. ALL TRADES MUST BE FAMILIAR WITH OWNER AND BUILDING RULES AND REGULATION FOR WORKING ON PREMISES.
3. WORK SHALL BE EXECUTED IN CONFORMANCE WITH ALL CODES AND AS SET FORTH BY ALL GOVERNING AUTHORITIES AND OWNER'S INSTRUCTIONS.
4. REFER TO SPECIFICATIONS FOR INTERIM LIFE SAFETY MEASURES.
5. VERIFY THAT EXIT EGRESS IS MAINTAINED FOR ALL OCCUPIED AREAS OF THE BUILDING THROUGHOUT CONSTRUCTION, AND MAINTAIN RATED CORRIDORS AS REQUIRED BY CODE. THE EXISTING FIRE ALARM SYSTEM SHALL REMAIN FUNCTIONAL DURING THE ENTIRE TIME OF CONSTRUCTION.
6. ALL MEASURES NECESSARY TO ASSURE SAFE CONSTRUCTION OF THE AREAS INDICATED ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
7. GENERAL CONTRACTOR TO BECOME FAMILIAR WITH EXISTING CONDITIONS PRIOR TO CONSTRUCTION COMMENCEMENT, AND NOTIFY ARCHITECT OF ANY FIELD CONDITIONS THAT DO NOT APPEAR ON DRAWINGS.
8. THESE DRAWINGS HAVE BEEN MADE FROM EXISTING DRAWINGS WHICH MAY NOT REFLECT ACTUAL FIELD CONDITIONS. VERIFY EXISTING FIELD CONDITIONS AND NOTIFY THE ARCHITECT IMMEDIATELY OF INCONSISTENCIES BEFORE PROCEEDING WITH CONSTRUCTION.
9. CONSTRUCT TEMPORARY PARTITIONS AS REQUIRED BY PHASING OR SCOPE OF WORK TO MINIMIZE THE SPREAD OF DUST AND NOISE.
10. IN THE EVENT THAT THE CONSTRUCTION WORK IS PERFORMED BY SUBCONTRACTORS, THE GENERAL CONTRACTOR MUST PROVIDE SUPERVISION OVER THE SUB-CONTRACTOR'S WORK.
11. BRACE ALL STRUCTURES OR STRUCTURAL ELEMENTS AS NECESSARY DURING CONSTRUCTION.
12. THE BUILDING ENVELOPE SHALL BE MAINTAINED IN A WATER TIGHT CONDITION AT ALL TIMES.
13. NOTIFY THE ARCHITECT IMMEDIATELY IF THE REMOVAL OF MECHANICAL, ELECTRICAL, PLUMBING SYSTEMS OR COMPONENTS WILL ADVERSELY AFFECT THE OPERATION OF MEP SYSTEMS OUTSIDE THE LIMIT OF CONSTRUCTION.
14. CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE CONSTRUCTION SITE DAILY TO A WASTE AREA PROVIDED BY THE CONTRACTOR AND AGREED ON BY OWNER.
15. SEE ***A1-02*** FOR TYPICAL MOUNTING HEIGHTS OF PLUMBING FIXTURES, TOILET ACCESSORIES, DRINKING FOUNTAINS, AND OTHER DEVICES.
16. REFER TO ***A1-01*** FOR TYPICAL PARTITION TYPES, HEIGHTS, SOUND ATTENUATION AND THICKNESS.
17. REFER TO ***LS-01*** SHEET FOR GRAPHIC EXTENT OF FIRE RATED PARTITIONS.
18. CONTRACTOR SHALL FURNISH AND INSTALL FIRE-TREATED WOOD BLOCKING CONCEALED IN WALLS FOR ALL WALL-MOUNTED MILLWORK, CABINETRY, COUNTERS, SHELVING-FIXTURES, GRAB BARS AND A/V EQUIPMENT AS REQUIRED. UNO.
19. ALL MATERIALS SHALL BE NEW, UNUSED, AND OF THE HIGHEST QUALITY UON. MATERIALS AND EQUIPMENT SHALL BE INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS.
20. DO NOT SCALE DRAWINGS - DIMENSIONS GOVERN.
21. ALL PARTITIONS ARE DIMENSIONED TO FINISH FACE OF PARTITION, TO CENTERLINE OF COLUMNS, AND TO FACE OF CONCRETE ON MASONRY WALLS, UNO. ALL DIMENSIONS INDICATED ON DRAWINGS SHALL BE CONSIDERED CRITICAL. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DEVIATIONS IN PLACEMENT PRIOR TO INSTALLATION. MAINTAIN DIMENSIONS MARKED " CLEAR" OR " HOLD". ALLOW FOR THICKNESS OF FINISHES.
22. WHERE NEW GYPSUM BOARD PARTITIONS ARE A CONTINUATION OF AN EXISTING PARTITION OR COLUMN ENCASEMENT, THE FACE OF THE NEW GYPSUM BOARD SHALL BE ALIGNED WITH THE FACE OF THE EXISTING SURFACE WITH NO VISIBLE JOINTS/SEAMS. STUDS SHALL BE OFFSET AND ADDITIONAL LAYERS OF GYPSUM AS REQUIRED TO PROVIDE FACE ALIGNMENT OR MAINTAIN REQUIRED FIRE RATING.
23. DOOR OPENINGS IF NOT DIMENSIONED, THE HINGE SIDE OF DOOR JAMBS SHALL BE SPACED 4" FROM THE ADJACENT WALL.
24. PROVIDE A 1'-4" WIDE CHASE BEHIND SINGLE SIDED TOILETS, AND A 1'-10" WIDE CHASE BETWEEN BACK TO BACK TOILETS FOR WALL HUNG FIXTURES. FOR FLOOR MOUNTED FIXTURES, PROVIDE A 6" STUD, MINIMUM.

PARTITION PLAN KEY NOTES:

1. NEW ENTRY VESTIBULE WITH 2x SETS OF DOUBLE DOORS AS SHOWN. GC TO PRICE ADDITIONAL 2x SETS AS SEPERATE LINE ITEM FOR GMP
2. NEW GLASS / ANNODIZED ALUMINUM DOORS AT BUILDING EXTERIOR
3. GLASS / ANNODIZED ALUMINUM STOREFRONT SYSTEM
4. DEMISING WALLS AT STORES AT 12'-00" AFF
5. FURRING AT EXTERIOR WALLS TO 12'-00" AFF
6. NEW BOBRICK 1042 SERIES OVERHEAD BRACED TOILET PARTITION SYSTEM
7. NEW FILTERED & CHILLED BI-LEVEL WATER FOUNTAINS
8. BLOCKING FOR AV AS REQUIRED, REFER TO A3-01
9. GC TO PROVIDE BLOCKING IN WALLS FOR MILLWORK SHELF AND COAT HOOKS
10. REMOTE CHILLER OVERHEAD
11. BLOCKING FOR GRAB BARS AND TOILET PARTITIONS AS REQUIRED
12. PARTITION TO DECK
13. STEEL TUBE TOWER, PER STRUCTURAL
14. METAL BANDSHELL CANOPY & SUPPORTS, COORDINATE W/. STRUCTURAL
15. SOLID CORE SLAB WOOD DOOR STAINED TO MATCH CONTROL SAMPLE. ATLTERNATE TO PROVIDE VENEER FACED DOORS
16. NEW METAL SLAB DOORS AT SIDE ENTRY
17. SOUND ATTENUATION AT RESTROOM WALLS & CEILING
18. WALL HEIGHT TO MATCH FACADE HEIGHT
19. HAND RAIL BOTH SIDES OF STAIRS, TYP
20. NEW 2 HOUR RATED PARTITION TO DECK ABOVE EXISTING 8' CMU WALL. EXISTING WALL TO BE MODIFIED AS REQUIRED TO MEET 2 HR RATING.
21. NEW SLAB, CURBS AND FOOTINGS AS REQUIRED AT ENTRY, SEE STRUCTURAL. RESTRIPE PARKING SPACES AS REQUIRED.
22. PRECAST CONCRETE TIRE STOPS AT 8'-0" ON CENTER AT PERIMETER
23. MODERNFOLD ACOUSTI-SEAL 935 SLIDING PANELS SYSTEM STC 52 MANUALLY OPERATED STEEL PANELS

ISSUED FOR CONSTRUCTION

RJTR

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Rev #	Date	Issue/Revision
1	02.03.23	ISSUE FOR CONSTRUCTION

STATE OF GEORGIA
Scott T. Norman
SCOTT T. NORMAN
CERTIFICATE NO. 035837
REGISTERED ARCHITECT
2/3/2023

PARTITION PLAN

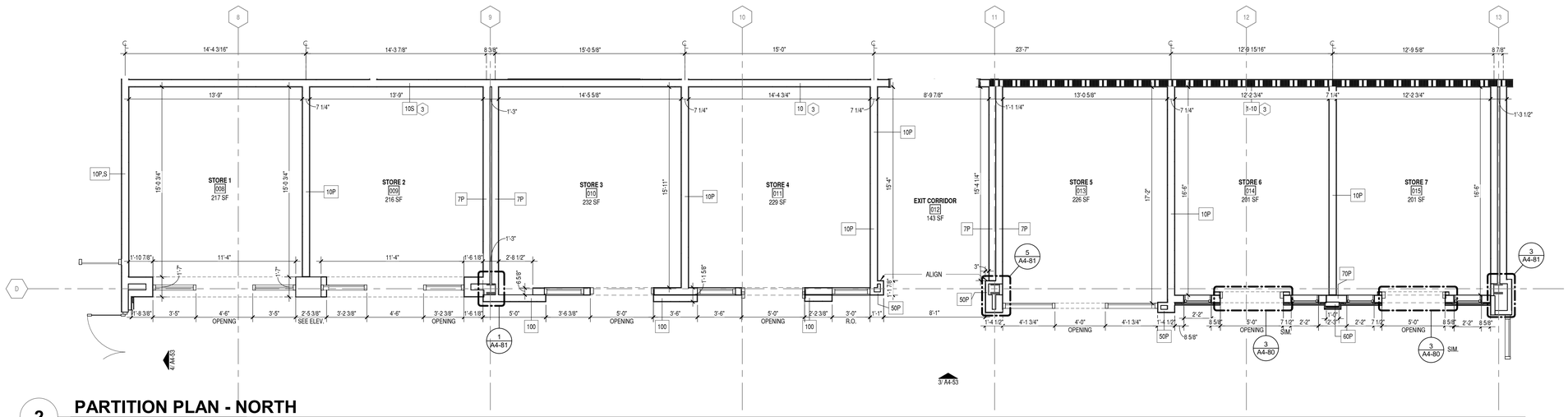
JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024

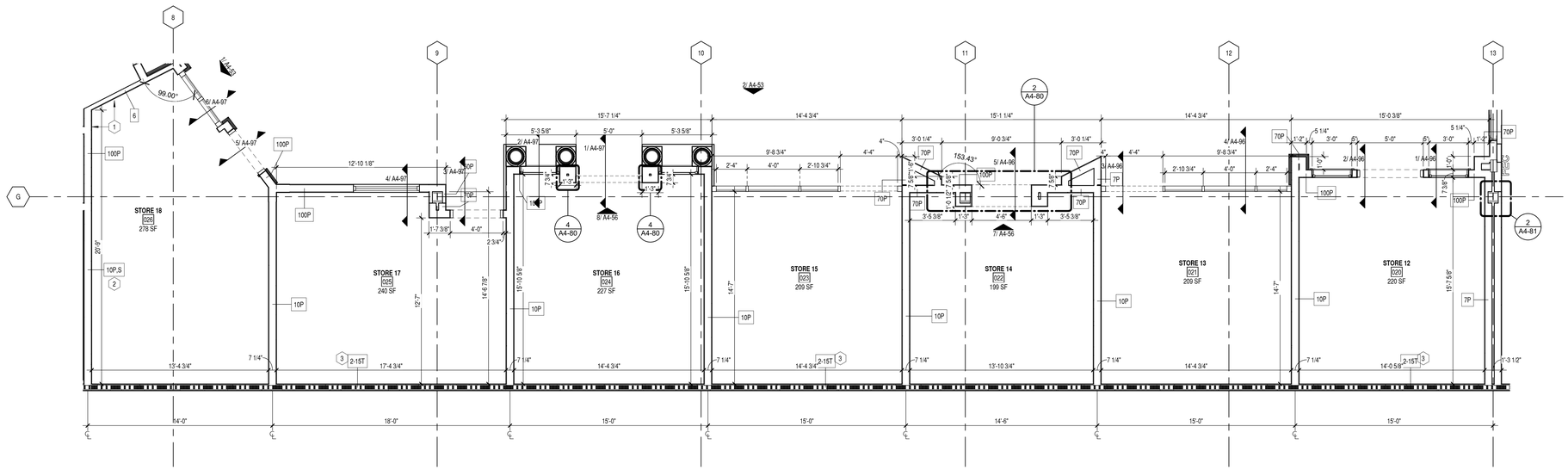
DRAWING NO:

A1-01



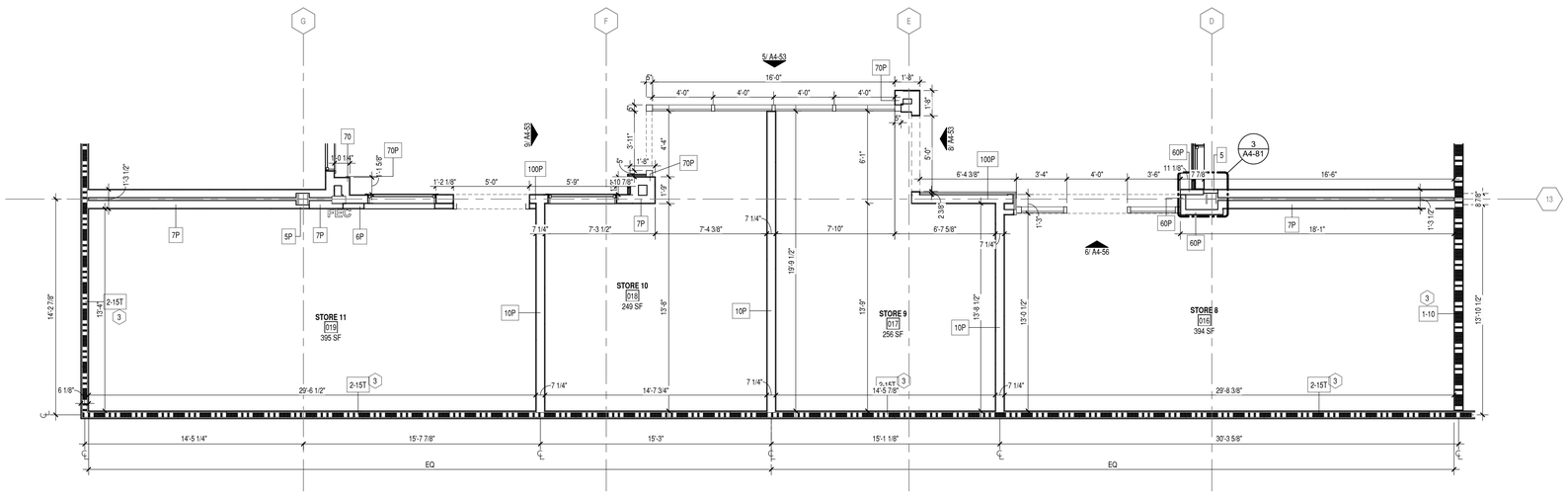
2 PARTITION PLAN - NORTH

1/4" = 1'-0"



3 PARTITION PLAN - SOUTH

1/4" = 1'-0"



1 PARTITION PLAN - EAST

1/4" = 1'-0"

PARTITION LEGEND:

- PARTITION TO BE REMOVED
- EXISTING WALL TO REMAIN
- NEW PARTITIONS
- EXISTING DOOR TO REMAIN
- NEW DOOR
- NIC — AREA NOT IN SCOPE
- ETR — EXISTING FINISHES TO REMAIN

KEY NOTESNOTES:

1. CEMENT BOARD ON CORRIDOR SIDE ONLY, DRYWALL ON STORE SIDE
2. SOUND ATTENUATION BATTS AT RESTROOM & WELLNESS
3. PARTITION TO STRUCTURE

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Rev #	Date	Issue/Revision
1	02.03.23	ISSUE FOR CONSTRUCTION

STATE OF GEORGIA
SCOTT T. NORMAN
CERTIFICATE NO. 5986
REGISTERED ARCHITECT
2/3/2023

ISSUED FOR CONSTRUCTION

ENLARGED PLANS

JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024

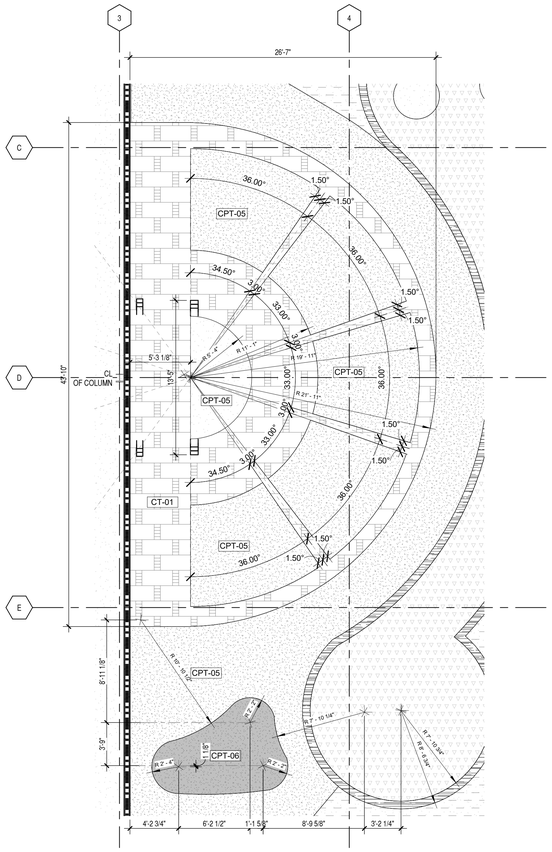
DRAWING NO:

A1-01A

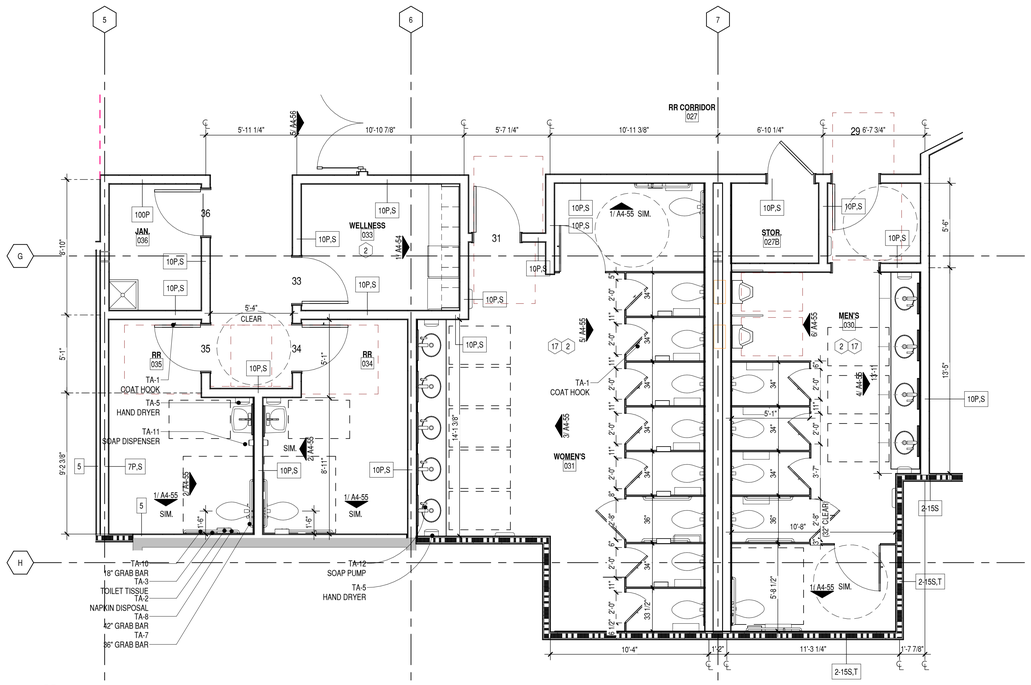
TOILET ACCESSORY SCHEDULE

TAG:	MANUFACTURER:	PRODUCT TYPE:	PRODUCT NO.:	FINISH:	LOCATION:	NOTES:
TA-1	BOBRICK	COAT HOOK	B-212	ALUMINUM	ALL RESTROOMS	INSTALL UNIT W/ TOP OF HOOK AT 48" A.F.F. UNITS TO BE LOCATED BEHIND EACH STALL DOOR AND UNISEX RR DOOR.
TA-2	BOBRICK	SANITARY NAPKIN DISPOSAL	B-270	SS		
TA-3	SAN JAMAR	SINGLE ROLL TP DISPENSER	TBD	BLACK PEARL		
TA-4	GEORGIA PACIFIC	DOUBLE ROLL TP DISPENSER	59209	TRANSLUCENT SMOKE		
TA-5	WORLD DRYER	HAND DRYER	VERDE DRI	SS		
TA-6	CASCADES TISSUE	PAPER TOWEL DISPENSER	C225	WHITE		
TA-7	ASI	GRAB BAR		SSS		36" LENGTH
TA-8	ASI	GRAB BAR		SSS		42" LENGTH
TA-9	BOBRICK	RECESSED TRASH	B-43644	SSS		
TA-10	ASI	GRAB BAR		SSS		18" LENGTH
TA-11	DEB STOKO	WALL MOUNTED SOAP DISPENSER	TBD (1 LITER)	WHITE		INSTALL CENTER OF UNIT AT 48" A.F.F.
TA-12		SOAP PUMP AT COUNTER				

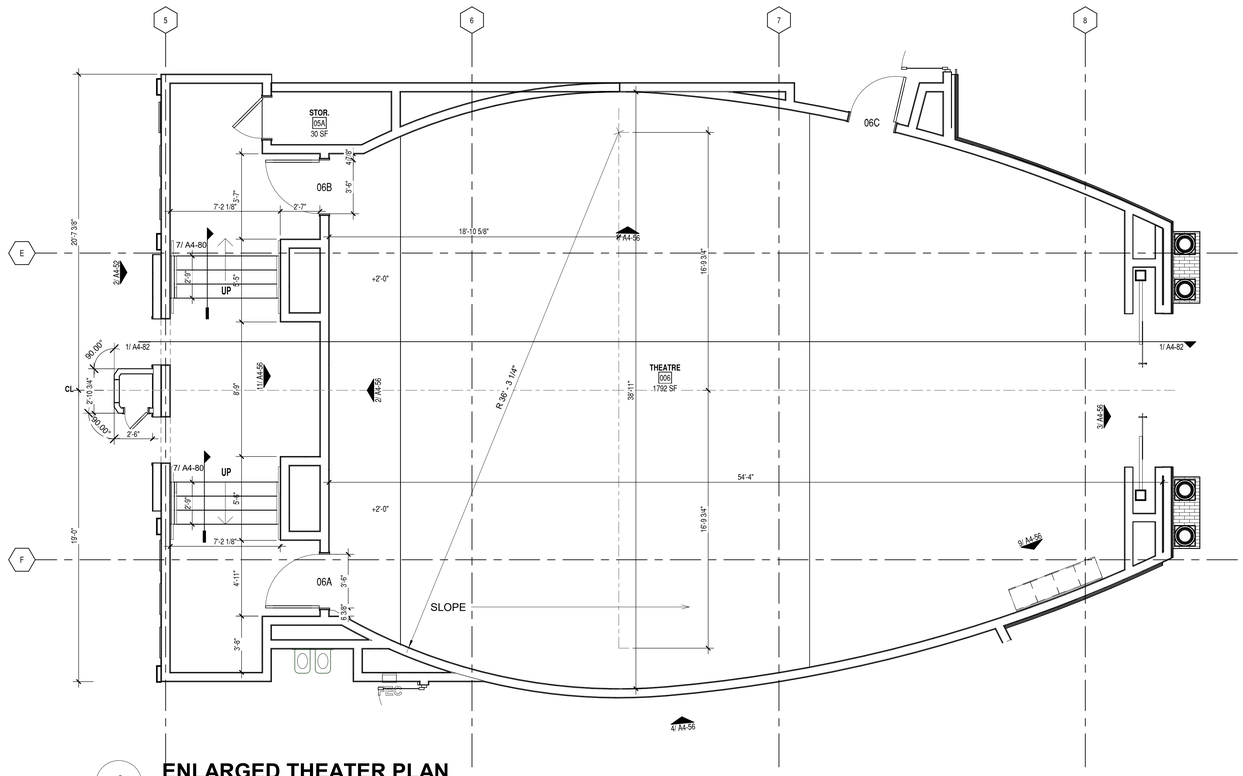
NOTE: TOILET & URINAL PARTITIONS TO HAVE CONCEALED STAINLESS STEEL HARDWARE & HIGH PRESSURE LAMINATE FACES / EDGES
SEE AT-06 FOR ACCESSORY MOUNTING HEIGHTS



3 **ENLARGED GATHERING LAWN**
3/16" = 1'-0"



2 **PARTITION PLAN - RESTROOM MAIN**
1/4" = 1'-0"



1 **ENLARGED THEATER PLAN**
1/4" = 1'-0"

PARTITION LEGEND:

- PARTITION TO BE REMOVED
- EXISTING WALL TO REMAIN
- NEW PARTITIONS
- EXISTING DOOR TO REMAIN
- NEW DOOR
- NIC — AREA NOT IN SCOPE
- ETR — EXISTING FINISHES TO REMAIN

KEY NOTESNOTES:

1. CEMENT BOARD ON CORRIDOR SIDE ONLY, DRYWALL ON STORE SIDE
2. SOUND ATTENUATION BATTS AT RESTROOM & WELLNESS
3. PARTITION TO STRUCTURE

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Rev #	Date	Issue/Revision

STATE OF GEORGIA
Scott T. Norman
SCOTT T. NORMAN
2/3/2023
CERTIFICATE NO. 5[illegible]
REGISTERED ARCHITECT

ISSUED FOR CONSTRUCTION

ENLARGED PLANS

JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024
DRAWING NO:
A1-01B

1 REFLECTED CEILING PLAN

1/8" = 1'-0"

RCP LEGEND:

ACT-01	CEILING TYPE
8' - 0"	CEILING HEIGHT
PT - 1	CEILING FINISH
	2X2 TROFFER
	2X4 TROFFER
	SUSPENDED LINEAR LIGHT
	SUSPENDED STRIP LIGHT
	ROUND RECESSED DOWNLIGHT
	SQUARE RECESSED DOWNLIGHT
	ROUND RECESSED WALL WASHER
	SQUARE RECESSED WALL WASHER
	SURFACE MOUNTED FIXTURE
X-XX	FIXTURE TYPE MODIFIER SEE SPECIFICATIONS AND ENGINEERING DRAWINGS FOR MORE INFORMATION
	2X2 ACOUSTICAL CEILING SYSTEM
	2X4 ACOUSTICAL CEILING SYSTEM
	GYP CEILING
	OUT OF SCOPE
	HVAC SUPPLY AIR REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION
	HVAC RETURN AIR REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION
	WALL SCONCE
	VANITY FIXTURE
	WALL STRIP FIXTURE
	LIGHTED MIRROR
	PENDANT
	CEILING FAN
	COVE LIGHTING
	TRACK LIGHTING
	PROJECTOR
	TYPE C - ARMSTRONG CEILING CLOUD - SEE A2-00
	HVAC STRIP SUPPLY AIR REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION
	HVAC SIDE WALL SUPPLY AIR REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION
	MECH. EXHAUST REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION
	SPRINKLER REFER TO FIRE PROTECTION DRAWINGS FOR INFORMATION
S	SPEAKERS REFER ENGINEERING DRAWINGS FOR INFORMATION
	DIRECTIONAL EXIT SIGNAGE

LIGHTING FIXTURE LENGEND:

L1	○	USAI OR EQ BEVELED BASIC ROUND LED DOWNLIGHT, 4.5"D
L1.B	○	USAI OR EQ BEVELED BASIC ROUND LED DOWNLIGHT, 3"D AT RESTROOM VANITY ONLY
L2	◑	USAI OR EQ BEVELED BASIC ROUND LED WALL WASHER, 4.5"D
L3	○	USAI OR EQ BEVELED BASIC ROUND LED FOR SLOPED CEILING, , 4.5"D
L4	□	LITHONIA OR EQ 2X2 RECESSED LED TROFFER
L5	◎	LED HIGHBAY, MOUNT AT 21'-0" AFF
L6	= = =	ACOLYTE B2 - RGB LED IN BENDABLE CHANNEL
L7		PINNACLE EDGE EVOLUTION EX4 LED WALL LIGHT DIRECT/INDIRECT EX4DI-HE-HE-835VHO-4-WA-U-OL1-1-0-W (LABELED LT-01 ON STORE SHEET) MOUNT AT 10-0" AFF
	LS	STORE FACADE TO HAVE POWER FOR 120V LIT SIGN. REFER TO STORE DWG FOR LOCATION. LIT SIGNAGE BY OTHERS.

DECORATIVE FIXTURE LENGEND:

L8	EXTERIOR WALL SCONCE - ALVA TESS 45"
L9	DECORATIVE WALL SCONCE - CONFERENCE NUVO 60-4966, BOXWOOD 1 LGT 19" OUTDOOR WALL
L10	DECORATIVE WALL SCONCE - THEATER OUTSIDE HOUSE OF TROY, DIRECT WIRE SLIM-LINE PICTURE LIGHT, ANTIQUE BRASS, LARGE, ITEM #: R336937 https://www.lumens.com/cart/?pid=R336937
L11	DECORATIVE WALL SCONCE - THEATER INSIDE GEORGE KOVACS FABRIC WALL SCONCE, HONEY GOLD WITH OFF WHITE, ITEM #: GKO664210 https://www.lumens.com/cart/?pid=GKO664210
L12	DECORATIVE WALL SCONCE - STORES 3-4 OXYGEN, REFLEX WALL SCONCE, SATIN NICKEL, ITEM #: OXY666155 https://www.lightology.com/index.php?module=prod_detail&prod_id=666155&option_id=666155
L13	DECORATIVE WALL SCONCE - STORES 3-7 SAVOY HOUSE GLEN WALL LIGHT, MATTE BLACK, ITEM #: SVY818340 https://www.lightology.com/index.php?module=prod_detail&prod_id=818343&option_id=818340
L14	DECORATIVE WALL SCONCE - STORE 8 WAC LIGHTING CALIBER OUTDOOR WALL SCONCE, BLACK, ITEM #: WS-W36614
L15	DECORATIVE WALL SCONCE - STORE 11 COCOWEB GOODYEAR INDOOR/OUTDOOR BARN LIGHT - 22", BLACK, PRODUCT #: BGYW22BK-15B https://www.cocoweb.com/barn-lights/gooseneck-barn-lights/customizable-goodyear-indoor-outdoor-led-barn-light
L16	DECORATIVE WALL SCONCE - STORE 12-15 KICHLER SEDO 24" OUTDOOR WALL LIGHT, PLATINUM, ITEM #: BCI2305185 HTTPS://WWW.KICHLER.COM/KICHLER/PRODUCTS/OUTDOOR-LIGHTING/OUTDOOR-WALL-LIGHTS/OUTDOOR-WALL-LIGHTS-NO-ARMS/OUTDOOR-WALL-1-LIGHT-LED-PL-D124A5B9/
L17	DECORATIVE WALL SCONCE - STORE 16 HINKLEY BROMLEY OUTDOOR WALL SCONCE, MUSEUM BLACK, ITEM #: HKY1850631
L18	DIRECTIONAL UPLIGHT AT THEATER

RCP GENERAL NOTES:

1. REFER TO SPECIFICATIONS AND SHEET ***AT-02*** FOR ADDITIONAL GENERAL NOTES.
2. VERIFY THAT THE EXISTING FIRE ALARM SYSTEM SHALL REMAIN FUNCTIONAL DURING THE ENTIRE TIME OF CONSTRUCTION.
3. GENERAL CONTRACTOR TO BECOME FAMILIAR WITH EXISTING CONDITIONS PRIOR TO CONSTRUCTION COMMENCEMENT, AND NOTIFY ARCHITECT OF ANY FIELD CONDITIONS THAT DO NOT APPEAR ON DRAWINGS.
4. THESE DRAWINGS HAVE BEEN MADE FROM EXISTING DRAWINGS WHICH MAY NOT REFLECT ACTUAL FIELD CONDITIONS. VERIFY EXISTING FIELD CONDITIONS AND NOTIFY THE ARCHITECT IMMEDIATELY OF INCONSISTENCIES BEFORE PROCEEDING WITH CONSTRUCTION.
5. IN THE EVENT THAT THE CONSTRUCTION WORK IS PERFORMED BY SUBCONTRACTORS, THE GENERAL CONTRACTOR MUST PROVIDE SUPERVISION OVER THE SUB-CONTRACTOR'S WORK.
6. BRACE ALL STRUCTURES OR STRUCTURAL ELEMENTS AS NECESSARY DURING CONSTRUCTION.
7. THE BUILDING ENVELOPE SHALL BE MAINTAINED IN A WATER TIGHT CONDITION AT ALL TIMES.
8. NOTIFY THE ARCHITECT IMMEDIATELY IF THE REMOVAL OF MECHANICAL, ELECTRICAL, PLUMBING SYSTEMS OR COMPONENTS WILL ADVERSELY AFFECT THE OPERATION OF MEP SYSTEMS OUTSIDE THE LIMIT OF CONSTRUCTION.
9. THE CONTRACTOR SHALL COMPARE THE REFLECTED CEILING PLAN WITH ALL APPLICABLE CONSULTANT DRAWINGS INCLUDING BUT NOT LIMITED TO ELECTRICAL LIGHTING PLANS AND MECHANICAL. THE CONTRACTOR SHALL REPORT ANY OMISSIONS OR INCONSISTENCIES TO THE ARCHITECT.
10. REFER TO ELECTRICAL ENGINEERING DRAWINGS FOR ALL LIFE SAFETY DEVICES REQUIRED BY CODE AND ALL EMERGENCY LIGHT FIXTURES. ARCHITECTURAL DRAWINGS SHALL GOVERN LOCATION OF THESE DEVICES.
11. REFLECTED CEILING PLANS INDICATE LOCATIONS AND HEIGHTS OF CEILINGS AND FIXTURES. REFER TO ELECTRICAL ENGINEERING DRAWINGS FOR FIXTURE TYPES, CIRCUITING, WIRING LAYOUT, SWITCH LOCATIONS AND ADDITIONAL INFORMATION.
12. PRIOR TO THE INSTALLATION OF FIXTURES, CONTRACTOR SHALL NOTIFY ARCHITECT AT ONCE IN WRITING OF ANY OBSTRUCTIONS WHICH WOULD PROHIBIT THE FIXTURES. FROM BEING LOCATED WHERE INDICATED ON DRAWINGS. REVISED FIXTURE LOCATION SHALL BE OBTAINED FROM ARCHITECT.
13. LOCATE ALL CEILING MOUNTED LIGHTING FIXTURES AND OTHER DEVICES IN THE CENTER OF CEILING PANELS OR CEILING TILES, UNO.
14. ALL CEILING GRIDS TO BE CENTERED IN ROOM, UNO.
15. THE CONTRACTOR SHALL VERIFY THAT ACCESS PANELS OF TYPE SPECIFIED ARE INSTALLED IN NON-ACCESSIBLE TYPE CEILINGS WHERE SERVICE OR ADJUSTMENTS TO MECHANICAL, PLUMBING OR ELECTRICAL ITEMS MAY BE REQUIRED. COORDINATE LOCATION AND CUT SHEET WITH ARCHITECT OF ANY REQUIRED ACCESS PANEL PRIOR TO INSTALLATION.
16. 18" MINIMUM VERTICAL CLEARANCE SHALL BE MAINTAINED BETWEEN THE BOTTOM OF EXTENDED SPRINKLER HEADS AND THE TOP OF ANY FILES, SHELVING, LOCKERS, ETC.
17. THE CONTRACTOR SHALL RELOCATE EXISTING AND ADD NEW SPRINKLERS AS REQUIRED TO COMPLY WITH ALL APPLICABLE CODES. SUBMIT SPRINKLER DRAWINGS TO ARCHITECT FOR APPROVAL PRIOR TO COMMENCING WORK.
18. DEGREASE SPRINKLER LINES PRIOR TO PAINTING (ONLY FOR OPEN TO STRUCTURE PROJECTS).
19. CONTINUE GYPSUM BOARD CEILING CONTROL JOINTS VERTICALLY ONTO ADJACENT SOFFITS WHERE APPLICABLE.
20. ALL LIGHT FIXTURES TO BE U.L. LISTED.
21. GENERAL CONTRACTOR TO PROVIDE ALL LAMPS AT TIME OF FIXTURE INSTALLATION.
22. MULTIPLE SWITCHES AT ONE LOCATION SHALL BE GANGED TOGETHER AND FINISHED WITH ONE COVER PLATE, UNO.
23. LINEAR SUPPLY & DIFFUSERS REQUIRED AT ALL GWB CEILINGS, ROUND SUSPENDED AT OPEN TO STRUCTURE CEILINGS IN LOBBY.
24. FOG OUT DECK PT-05 SW 9063 PORCH CEILING
25. WORK WITH BUILDING MAINTENANCE TO LOCATE & REPAIR LEAKS AS REQUIRED.

RCP PLAN KEY NOTES:

1. CABLE TROUGH & POWER
2. DIRECTIONAL & STAGE LIGHTING TO BE SWITCHED SEPERATELY
3. CEILING MOUNTED PROJECTOR
4. 12' RECESSED PROJECTOR SCREEN
5. SURFACE MOUNTED PROJECTOR
6. 20' RECESSED PROJECTOR SCREEN
7. FOG OUT DECK PT-05, OVER K13 SPRAY INSULATION
8. UPLIGHTING AT FACE OF THEATRE BEHIND MARQUEE
9. SF-07 CEILING BAFFLES
10. STUCCO HEADER
11. ARMSTRONG PRELUDE CLOUDS, SEE A2-00
12. PROVIDE J-BOX FOR STORE SIGNAGE AT EACH STORE FRONT, TYP. FINAL LOCATIONS TO BE DETERMINED. REFER TO ELEVATIONS.
14. SPRINKLER HEADS AS REQUIRED AT ALL OVERHANGS AND ENCLOSED CEILINGS
15. PROGRAMMABLE LED TAPE LIGHT IN CASING WITH DIFFUSER LENSE AT THEATER MARQUEE
16. SF-01 SHINGLE ROOF, UNDERSIDE FINSHED PT-02
17. COORDINATE LOW VOLTAGE & AV W. CONSULTANTS FOR SPEAKERS, SCREEN & PROJECTOR
18. CENTER LIGHT IN SPACE, TYP.
19. METAL BANDSHELL CANOPY & SUPPORTS, COORDINATE W/. STRUCTURAL
20. RECESSED PROJECTOR
21. COORDINATE CONTROL JOINTS IN GWB CEILINGS WITH ARCHITECT. REFER TO SPECIFICATIONS FOR SPAN REQUITEMENTS
22. 14" JOISTS AT 16" O.C. AT THEATER. GC TO PROVIDE ALTERNATE FOR SUSPENDING CEILING WITH UNISTRUT AND AIRCRAFT CABLE TO UNDERSIDE OF ROOF DECK

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1	02.03.23	ISSUE FOR CONSTRUCTION

STATE OF GEORGIA · Scott T. Norman · SCOTT T. NORMAN · 2/3/2023 · CERTIFICATE NO. 5962 · REGISTERED ARCHITECT

REFLECTED CEILING PLAN

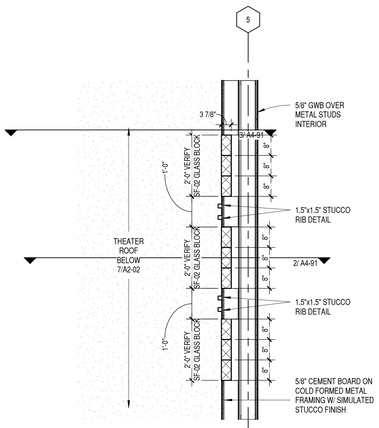
JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

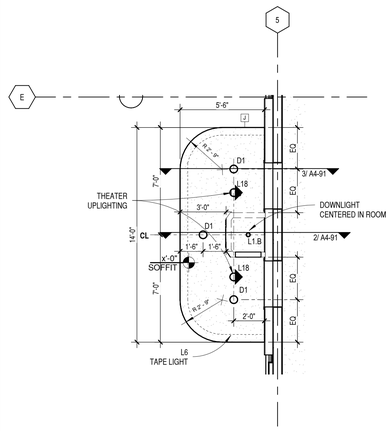
COMMISSION NO: 22_024

DRAWING NO:

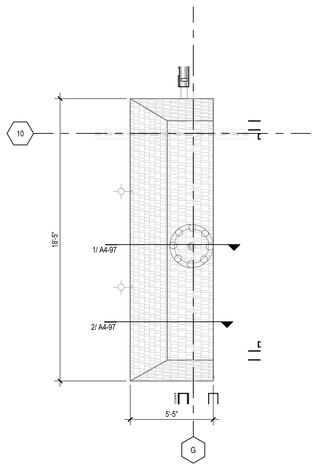
A2-01



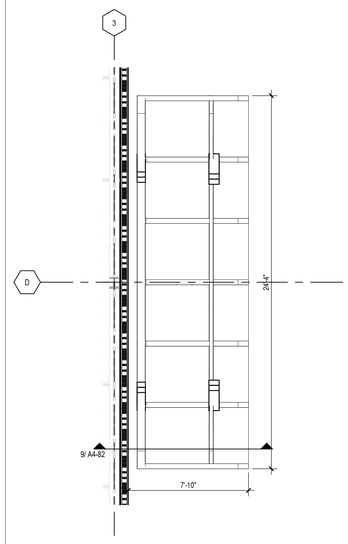
8 **THEATER FACADE**
1/2" = 1'-0" (SECTION AT SF-02 GLASS BLOCK)



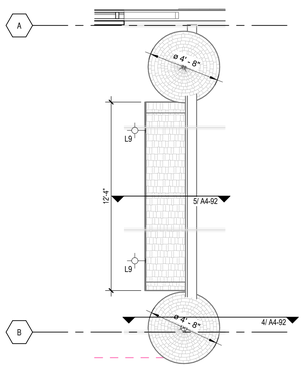
7 **THEATER RCP**
1/4" = 1'-0"



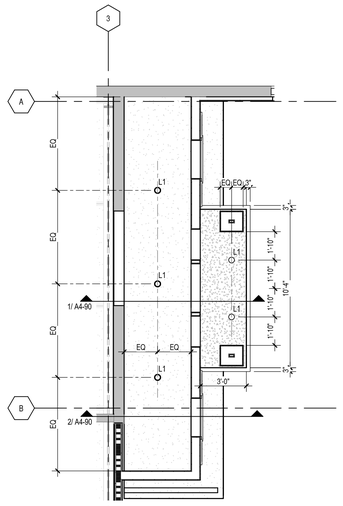
6 **STORE 16 ROOF PLAN**
1/4" = 1'-0"



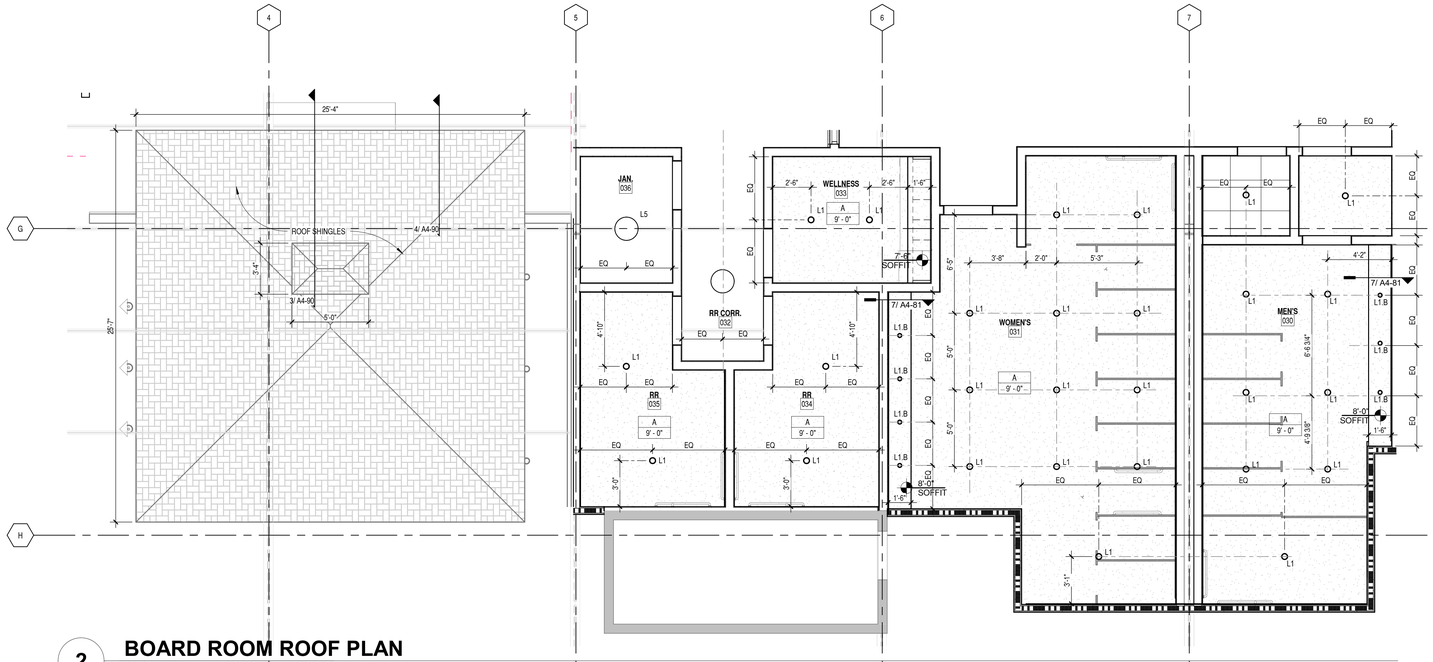
5 **BANDSHELL ROOF**
1/4" = 1'-0"



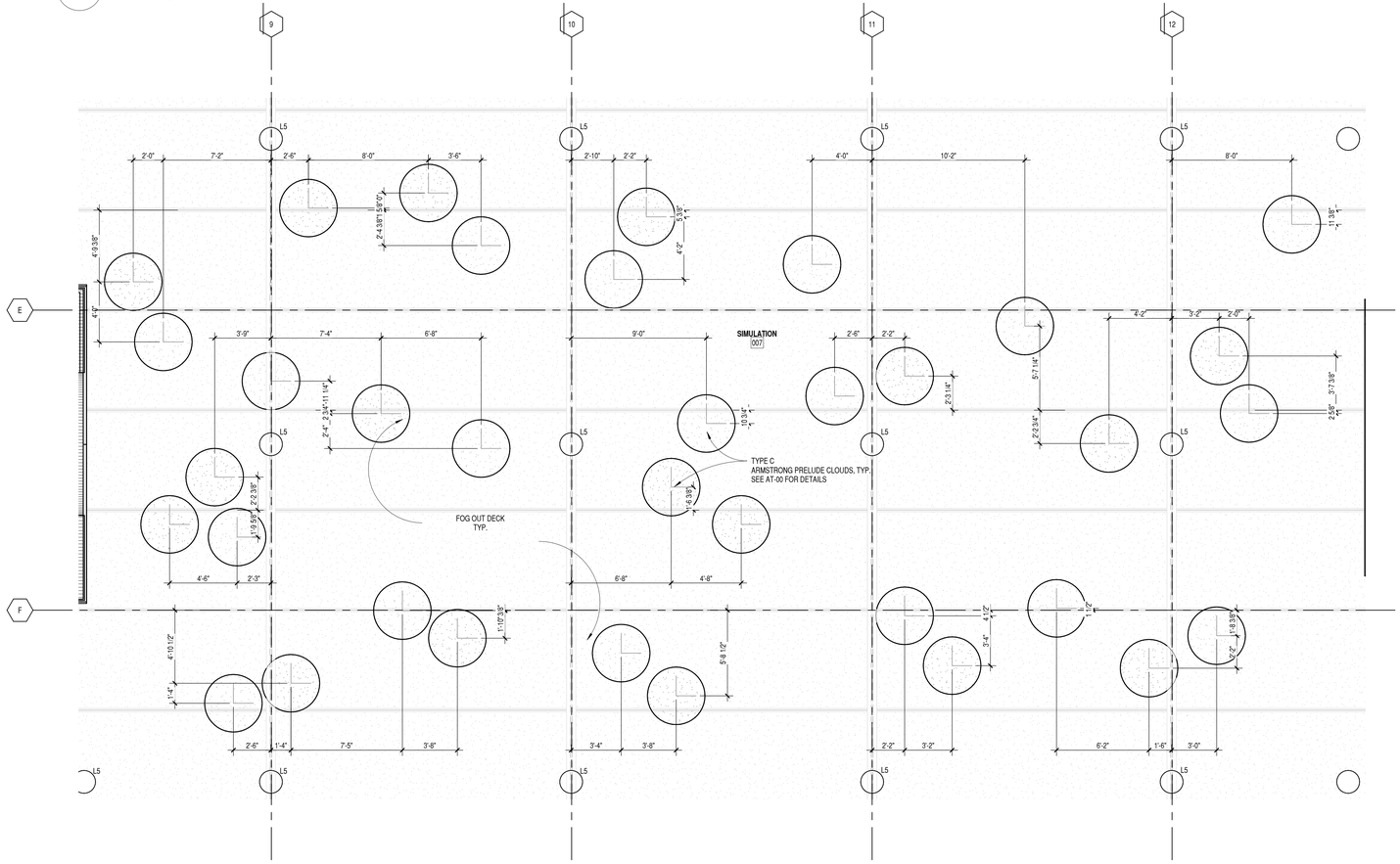
4 **SACRED HEART ROOF**
1/4" = 1'-0"



3 **ENTRY HOUSE ROOF**
1/4" = 1'-0"



2 **BOARD ROOM ROOF PLAN**
1/4" = 1'-0"



1 **ENLARGED SIMULATION REFLECTED CEILING PLAN**
1/4" = 1'-0"

RJTR
RULE JOY TRAMMELL RUBIO, LLC
ARCHITECTURE INTERIOR DESIGN
300 Galleria Parkway Suite 740 Atlanta, Georgia 30339
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Rev #	Date	Issue/Revision
1	02.03.23	ISSUE FOR CONSTRUCTION

STATE OF GEORGIA
SCOTT T. NORMAN
CERTIFICATE NO. 5[illegible]
REGISTERED ARCHITECT
2/3/2023

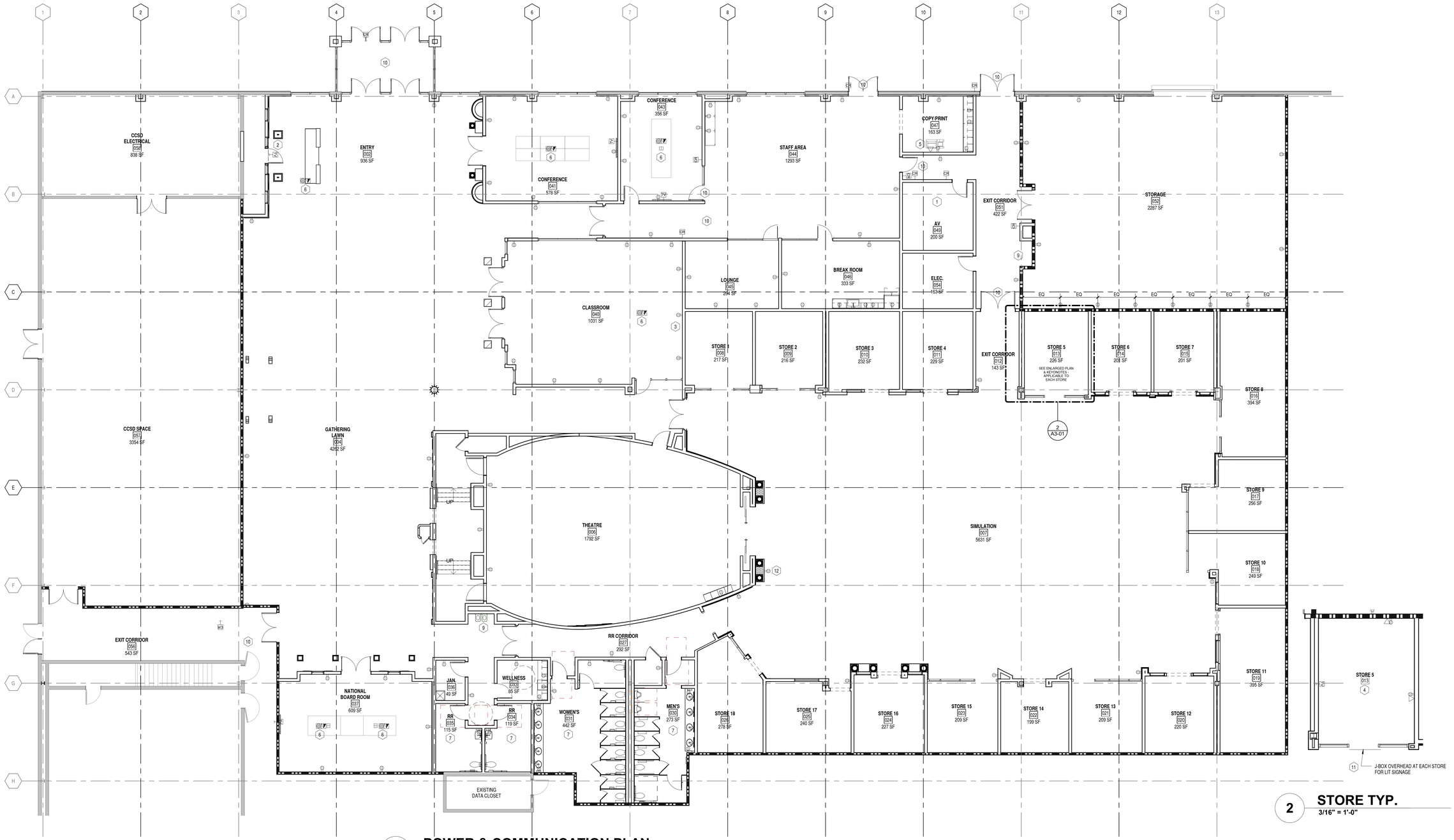
ISSUED FOR CONSTRUCTION

ENLARGED REFLECTED CEILING PLANS

JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024
DRAWING NO:
A2-01A



1 POWER & COMMUNICATION PLAN
1/8" = 1'-0"

2 STORE TYP.
3/16" = 1'-0"

P & C LEGEND:

36" — INDICATES ATYPICAL MOUNTING HEIGHT

PLAN	ELEVATION	DESCRIPTION	PLAN	ELEVATION	DESCRIPTION
		DUPLEX ELECTRICAL			CODE BLUE
		DUPLEX ELECTRICAL (EMERGENCY)			DATA PORT
		DUPLEX ELECTRICAL (GFCI)			NURSE CALL
		DUPLEX ELECTRICAL (USB)			NURSE CALL MASTER
		QUAD ELECTRICAL	P		PACS
		QUAD ELECTRICAL (EMERGENCY)			TELEPHONE PORT
		QUAD ELECTRICAL (GFCI)			TELEPHONE / DATA PORT
		QUAD ELECTRICAL (USB)	TV		TELEVISION COAX
		FLOOR BOX	DB		DOOR BELL / CHIME
J		JUNCTION BOX	DB		DOOR BELL / CHIME W/ LIGHT FLASH
		SWITCH	F		FIRE ALARM SPEAKER
		SWITCH (DOUBLE)	F		FIRE ALARM STROBE
		SWITCH (3-WAY)	FL		FIRE ALARM SPEAKER & STROBE
		SWITCH (DIMMER)			SMOKE DETECTOR
T		THERMOSTAT	PP		FURNITURE POWER FEED

P & C GENERAL NOTES:

1. REFER TO SPECIFICATIONS AND SHEET ***AT-02*** FOR ADDITIONAL GENERAL NOTES.
2. VERIFY THAT THE EXISTING FIRE ALARM SYSTEM SHALL REMAIN FUNCTIONAL DURING THE ENTIRE TIME OF CONSTRUCTION.
3. GENERAL CONTRACTOR TO BECOME FAMILIAR WITH EXISTING CONDITIONS PRIOR TO CONSTRUCTION COMMENCEMENT, AND NOTIFY ARCHITECT OF ANY FIELD CONDITIONS THAT DO NOT APPEAR ON DRAWINGS.
4. THESE DRAWINGS HAVE BEEN MADE FROM EXISTING DRAWINGS WHICH MAY NOT REFLECT ACTUAL FIELD CONDITIONS. VERIFY EXISTING FIELD CONDITIONS AND NOTIFY THE ARCHITECT IMMEDIATELY OF INCONSISTENCIES BEFORE PROCEEDING WITH CONSTRUCTION.
5. IN THE EVENT THAT THE CONSTRUCTION WORK IS PERFORMED BY SUBCONTRACTORS, THE GENERAL CONTRACTOR MUST PROVIDE SUPERVISION OVER THE SUB-CONTRACTOR'S WORK.
6. BRACE ALL STRUCTURES OR STRUCTURAL ELEMENTS AS NECESSARY DURING CONSTRUCTION.
7. THE BUILDING ENVELOPE SHALL BE MAINTAINED IN A WATER TIGHT CONDITION AT ALL TIMES.
8. NOTIFY THE ARCHITECT IMMEDIATELY IF THE REMOVAL OF MECHANICAL, ELECTRICAL, PLUMBING SYSTEMS OR COMPONENTS WILL ADVERSELY AFFECT THE OPERATION OF MEP SYSTEMS OUTSIDE THE LIMIT OF CONSTRUCTION.
9. REFER TO ***AT-01*** FOR TYPICAL MOUNTING HEIGHTS OF ELECTRICAL ITEMS, LIGHT SWITCHES, THERMOSTATS, FIRE STROBES, AND OTHER DEVICES.
10. FURNITURE IS SHOWN FOR REFERENCE ONLY.
11. ALL CRITICAL DIMENSIONS ARE TO BE FROM CENTER LINE OF OUTLETS, SWITCHES, ETC TO FACE OF PARTITION OR FINISHED FLOOR.
12. ALL PROJECTORS, MONITORS AND AUDIO/VISUAL SCREEN DEVICES TO BE COORDINATED WITH OWNER, A/V VENDOR AND ELECTRICAL ENGINEER.
13. ADJACENT OUTLETS SHALL BE GANGED IN A SINGLE COVER PLATE WHEN POSSIBLE. IF THEY CANNOT BE GANGED, THEY SHALL BE INSTALLED WITH MINIMUM DISTANCE BETWEEN.
14. ALL OUTLETS DIMENSIONED AS TYPICAL ARE TYPICAL FOR ALL SIMILAR ROOMS AND CONDITIONS.
15. REFER TO REFLECTED CEILING PLAN FOR PLACEMENT OF CEILING MOUNTED EQUIPMENT REQUIRING POWER OR COMMUNICATION.
16. LOCATION OF FLOOR AND WALL POWER AND COMMUNICATION DEVICES FOR FURNITURE, EQUIPMENT AND MILLWORK TO BE COORDINATED IN THE FIELD WITH ARCHITECT, FURNITURE VENDOR AND OWNER TO APPROVE PRIOR TO INSTALLATION IF FIELD CONDITIONS DIFFER FROM DRAWINGS.
17. GC TO SUBMIT PLAN OF EXACT CORE LOCATIONS TO ARCHITECT FOR REVIEW / APPROVAL PRIOR TO CORING.
18. FOR DETAILS AND SPECIFICATIONS ON SWITCHES, PANEL BOXES, CIRCUITING, DUCT WORK, AIR SUPPLY DIFFUSERS, THERMOSTATS, SMOKE DETECTORS, EXIT SIGNS, SPEAKERS, EMERGENCY LIGHTING, NIGHT LIGHTING, PULL STATIONS, ETC, REFER TO SPECIFICATIONS, ELECTRICAL AND MECHANICAL DRAWINGS.
19. FLOOR OUTLETS SHALL BE FLUSH, UNO AND INSTALLED BY CONTRACTOR. IF DEVICES ARE IN CONFLICT WITH BUILDING STRUCTURE OR UTILITIES, CONTRACTOR TO NOTIFY ARCHITECT AND OBTAIN ALTERNATE LOCATION. ALL FLOOR CORE COVERS TO BE ***DARK GRAY*** UNO. FLOOR CORES THAT CORRESPOND WITH FURNITURE TO BE DIMENSIONED AND COORDINATED WITH FURNITURE VENDOR.
20. PROVIDE FIRE-STOPPING AT ALL FLOOR PENETRATIONS TO MEET APPLICABLE BUILDING CODES.
21. WALL-MOUNTED POWER & COMMUNICATION OUTLETS SHALL BE MOUNTED AT 1'-6" OC ABOVE FINISHED FLOOR, UNO AND SHALL BE SUPPORTED BY STUDS AT ALL LOCATIONS.
22. OUTLETS ABOVE COUNTER TOPS AND DESKTOPS SHALL BE MOUNTED HORIZONTALLY, UNO.
23. DO NOT PLACE OUTLETS BACK TO BACK AT OPPOSITE FACES OF THE SAME PARTITION. ALL DEVICES TO BE STAGGERED AND ACOUSTICALLY SEALED.
24. THE COVER PLATE FINISH OF ALL WALL MOUNTED POWER AND COMMUNICATION DEVICES SHALL BE ***WHITE***, UNO. REPLACE ANY EXISTING COVERS TO MATCH.
25. COORDINATE WITH FINISH PLAN FOR MOTORIZED WINDOW TREATMENTS, AND FLOOR PLAN FOR ELECTRIC OPERABLE PARTITIONS IF APPLICABLE.
26. COORDINATE POWER FOR ENTRY INTERCOMS, DOOR RELEASE BUTTONS, AD * PUSH TO OPEN* ACTUATORS, AND CARD READERS WITH SECURITY AND LOW VOLTAGE IF APPLICABLE.

P & C PLAN KEY NOTES:

1. POWER REQUIREMENTS PER IT CONSULTANT, SEPERATE AC UNIT TO BE PROVIDED IN I.T. ROOM
2. POWER AND DATA FOR TV MONITOR ABOVE RECEPTION DESK, LOCATION TO BE DETERMINED
3. COORDINATE AV / PROJECTOR CONTROLS WITH VENDOR
4. PROVIDE DROPS FOR SPECIFIED POWER & DATA AT STORES, FINAL DEVICE LOCATIONS & AV BY OWNER
5. COORDINATE POWER REQUIREMENTS WITH OWNER PROVIDED PRINTER / FAX / PLOTTER SPECIFICATIONS FOR OUTLET TYPES AND SIZES.
6. XRAY SLAB AT NEW FLOOR CORES, COORDINATE WITH MEP DRAWINGS
7. POWER FOR HAND TOWELS, SOAP DISPENSERS, AND FAUCETS AS REQUIRED. FINAL SPECS TBD
8. FOUNDERS WALL TV, PROVIDE BLOCKINBG. EXACT LOCATION TO BE DETERMINED
9. POWER AS REQUIRED FOR FOUNTAIN AND WATER BOTTLE FILLER
10. ALL SECURITY REQUIREMENTS TO BE COORDINATED WITH SECURITY VENDOR
11. COORDINATE J-BOX AT EACH STOREFRONT FOR FUTURE LIT SIGNAGE
12. POWER AND AV BOX FOR PODIUM, COORDINATE WITH AV DRAWINGS

P & C PLAN KEY NOTES CONTINUED:

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Rev #	Date	Issue/Revision
1	02.03.23	ISSUE FOR CONSTRUCTION

STATE OF GEORGIA
SCOTT T. NORMAN
CERTIFICATE NO. 32
REGISTERED ARCHITECT
2/3/2023

ISSUED FOR CONSTRUCTION

POWER & COMMUNICATION PLAN

JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024

DRAWING NO:

A3-01

FINISH LEGEND

ACOUSTIC CEILING TILE (ACT)

ACT-01	MANUFACTURER:	ARMSTRONG
	PRODUCT:	ULTIMA SQ. LAY-IN #1910 (.70 NRC)
	COLOR:	WHITE
	SIZE:	24" X 24" 3/4"
	GRID TYPE:	
	GRID SIZE:	
	GRID COLOR:	
	CONTACT:	JODY TEETER
	PHONE / EMAIL:	700-262-5955 /JTTEETER@ARMSTRONG.COM
	NOTES:	WHERE NOTED
ACT-02	MANUFACTURER:	ARMSTRONG
	PRODUCT:	#5443 SOUNDSCAPE SHAPES
	COLOR:	WHITE (REFER TO SHEET A2-02)
	SIZE:	48" X 48" CIRCLE PANELS
	GRID TYPE:	
	GRID SIZE:	
	GRID COLOR:	
	CONTACT:	JODY TEETER
	PHONE / EMAIL:	700-262-5955 /JTTEETER@ARMSTRONG.COM
	NOTES:	WHERE NOTED

CONCRETE COATING (CC)

CC-01	MANUFACTURER:	SCOFIELD
	PRODUCT:	LITHOCHROME TINTURA STAIN
	COLOR / FINISH:	2626 LIGHT GRAY (2 LIGHT COATS)
	SIZE/INSTALLATION:	LIGHT SAND FINISH/400 GRIT
	CONTACT:	JAMIE HUSTEY
	PHONE / EMAIL:	404-735-7184 /JAMIE.HUSTEY@SCOFIELD.COM
	NOTES:	WHERE NOTED

CARPET (CPT)

CPT-01	MANUFACTURER:	SHAW
	PRODUCT:	IN COMMON TILE
	STYLE:	5T451
	COLOR:	TOGETHER COLOR 50210
	SIZE:	
	BACKING:	
	INSTALLATION:	MONOTHILITHIC
	CONTACT:	JESSA FINNEGAN
	PHONE / EMAIL:	404-558-1806 /JESSA.FINNEGAN@SHAWINC.COM
	NOTES:	CONFERENCE ROOM
CPT-02	MANUFACTURER:	SHAW
	PRODUCT:	WRITTEN TILE
	STYLE:	5T407
	COLOR:	CONNECTION 05105
	SIZE:	
	BACKING:	
	INSTALLATION:	MONOTHILITHIC
	CONTACT:	JESSA FINNEGAN
	PHONE / EMAIL:	404-558-1806 /JESSA.FINNEGAN@SHAWINC.COM
	NOTES:	CLASSROOM
CPT-03	MANUFACTURER:	SHAW
	PRODUCT:	RETHREAD TILE
	STYLE:	5T165
	COLOR:	GREY SLATE 64535
	SIZE:	
	BACKING:	
	INSTALLATION:	HERRINGBONE
	CONTACT:	JESSA FINNEGAN
	PHONE / EMAIL:	404-558-1806 /JESSA.FINNEGAN@SHAWINC.COM
	NOTES:	STAFF ROOMS
CPT-04	MANUFACTURER:	SHAW
	PRODUCT:	LANDING EDGE TILE
	STYLE:	5T375
	COLOR:	EXPANSIVE REEF 71870
	SIZE:	18X36
	BACKING:	
	INSTALLATION:	??
	CONTACT:	JESSA FINNEGAN
	PHONE / EMAIL:	404-558-1806 /JESSA.FINNEGAN@SHAWINC.COM
	NOTES:	THEATRE
CPT-05	MANUFACTURER:	SHAW
	PRODUCT:	ENDLESS TILE
	STYLE:	5T305
	COLOR:	NATURE 05326
	SIZE:	
	BACKING:	
	INSTALLATION:	MONOTHILITHIC
	CONTACT:	JESSA FINNEGAN
	PHONE / EMAIL:	404-558-1806 /JESSA.FINNEGAN@SHAWINC.COM
	NOTES:	GATHERING LAWN, SIMULATION "LIGHT GREEN GRASS"
CPT-06	MANUFACTURER:	SHAW
	PRODUCT:	ZONE TILE
	STYLE:	5T158
	COLOR:	GREEN 58300
	SIZE:	
	BACKING:	
	INSTALLATION:	MONOTHILITHIC
	CONTACT:	JESSA FINNEGAN
	PHONE / EMAIL:	404-558-1806 /JESSA.FINNEGAN@SHAWINC.COM
	NOTES:	PUTTING GREEN, SIMULATION "TURF"

CERAMIC / PORCELAIN TILE (CT)

CT-01	MANUFACTURER:	ARCHITESSA
	PRODUCT:	BRICK WORLD SOHO
	COLOR / FINISH:	COTTO
	SIZE:	3X12
	JOINT SIZE:	
	INSTALLATION:	
	GROUT MFR:	
	GROUT COLOR:	
	CONTACT:	KYMBERLEE BRASELTON
	PHONE / EMAIL:	404-670-4743 /KYMBERLEE@ARCHITESSA.COM
	NOTES:	BANDSHELL
CT-02	MANUFACTURER:	TRINITY TILE
	PRODUCT:	DEFINE
	COLOR / FINISH:	HEATHER GRAY
	SIZE:	12X24
	JOINT SIZE:	
	INSTALLATION:	
	GROUT MFR:	
	GROUT COLOR:	
	CONTACT:	ELIZABETH CHAMBLEY
	PHONE / EMAIL:	770-865-5139 /ECHAMBLEY@TRINITYSURFACES.COM
	NOTES:	RESTROOMS
CT-03	MANUFACTURER:	CERAMIC TECHNICS
	PRODUCT:	MARRADO ART DECO
	COLOR / FINISH:	BLUE LAGOON PEAK
	SIZE:	2.5X10.5
	JOINT SIZE:	
	INSTALLATION:	
	GROUT MFR:	
	GROUT COLOR:	
	CONTACT:	KELLY BOWEN
	PHONE / EMAIL:	404-433-6997 /KBOWEN@CERAMICTECHNICS.COM
	NOTES:	UNISEX RESTROOMS
CT-04	MANUFACTURER:	CERAMIC TECHNICS
	PRODUCT:	STONEWORKS INDUSTRIAL REFLECTIONS
	COLOR / FINISH:	OCEAN /NATURAL
	SIZE:	8"X24"
	JOINT SIZE:	
	INSTALLATION:	
	GROUT MFR:	
	GROUT COLOR:	
	CONTACT:	KELLY BOWEN
	PHONE / EMAIL:	404-433-6997 /KBOWEN@CERAMICTECHNICS.COM
	NOTES:	WOMENS RESTROOMS
CT-05	MANUFACTURER:	CERAMIC TECHNICS
	PRODUCT:	STONEWORKS INDUSTRIAL REFLECTIONS
	COLOR / FINISH:	EMERALD /NATURAL
	SIZE:	8"X24"
	JOINT SIZE:	
	INSTALLATION:	
	GROUT MFR:	
	GROUT COLOR:	
	CONTACT:	KELLY BOWEN
	PHONE / EMAIL:	404-433-6997 /KBOWEN@CERAMICTECHNICS.COM
	NOTES:	MEN'S RESTROOMS

CERAMIC / PORCELAIN TILE BASE (CTB)

CTB-01	MANUFACTURER:	TRINITY TILE
	PRODUCT:	DEFINE BULLNOSE
	COLOR / FINISH:	HEATHER GRAY
	SIZE:	3X12
	JOINT SIZE:	
	INSTALLATION:	
	GROUT MFR:	
	GROUT COLOR:	
	CONTACT:	ELIZABETH CHAMBLEY
	PHONE / EMAIL:	770-865-5139 /ECHAMBLEY@TRINITYSURFACES.COM
	NOTES:	RESTROOMS

DECORATIVE FILM (DF)

DF-01	MANUFACTURER:	3M COMMERCIAL GRAPHICS DIVISION
	PRODUCT:	SCOTCHCAL
	COLOR / FINISH:	7725-324 /FROSTED CRYSTAL
	SIZE:	.075 MM, SEE ELEVATIONS
	CONTACT:	BRYAN BAKER
	PHONE / EMAIL:	630-379-6 /BBAKER3@MMM.COM
	NOTES:	STAFF AREAS, STOREFRONT THROUGHOUT. TYPE II. BY GRAPHICS VENDOR

DECORATIVE HARDWARE (DH)

DH-01	MANUFACTURER:	RICHELIEU
	PRODUCT:	DRAWER PULL, BP30596195
	FINISH:	BLACK
	SIZE:	6 15/16" L
	CONTACT:	KARROLL BOYD
	PHONE / EMAIL:	770-362-6397 /KBOYD@RICHELIEU.COM
	NOTES:	BREAKROOM, WELLNESS, 8/32" SCREW/NAIL NOT INCLUDED

EXTERIOR WINDOW SHUTTERS (EWS)

EWS-1	MANUFACTURER:	CUSTOM SHUTTER COMPANY OR EQ.
	PRODUCT:	EXTERIOR WOODEN LOUVERED WESTERN RED CEDAR
	COLOR / FINISH:	PAINTED TBD
	SIZE:	MATCH WINDOW HEIGHT
	JOINT SIZE:	
	INSTALLATION:	
	GROUT MFR:	
	GROUT COLOR:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	FIRE TREAT PRIOR TO PAINTING

FINISH TRANSITION (FT)

FT-01	MANUFACTURER:	JOHNSONITE
	PRODUCT:	
	COLOR / FINISH:	
	SIZE / EDGE:	
	INSTALLATION:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	

FIBER CEMENT SIDING (FCS)

FT-01	MANUFACTURER:	ALLURA USA
	PRODUCT:	FIBER CEMENT LAP SIDING, TRADITIONAL LAP
	COLOR / FINISH:	SNOW /TRADITIONAL CEDAR
	SIZE / EDGE:	6" EXPOSURE (7 1/4")
	INSTALLATION:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	AT BOARDROOM

LUXURY VINYL TILE (LVT)

LVT-01	MANUFACTURER:	SHAW
	PRODUCT:	0601V UNVEIL
	COLOR / FINISH:	TARNISH 01585
	SIZE / GAUGE:	9X36 /3 MM THICKNESS
	INSTALLATION:	
	CONTACT:	JESSA FINNEGAN
	PHONE / EMAIL:	404-558-1806 /JESSA.FINNEGAN@SHAWINC.COM
	NOTES:	BREAK ROOM
LVT-02	MANUFACTURER:	SHAW
	PRODUCT:	0515V SURFACE LVT
	COLOR / FINISH:	CASHMERE 15114
	SIZE / GAUGE:	18X36 /2.5 MM THICKNESS
	INSTALLATION:	BRICK INSTALL
	CONTACT:	JESSA FINNEGAN
	PHONE / EMAIL:	404-558-1806 /JESSA.FINNEGAN@SHAWINC.COM
	NOTES:	COURTYARD/SIMULATION WALKWAYS
LVT-03	MANUFACTURER:	SHAW
	PRODUCT:	4077V COMPOUND LVT
	COLOR / FINISH:	AZURE 77436
	SIZE / GAUGE:	24X24 /5 MM THICKNESS
	INSTALLATION:	BRICK INSTALL
	CONTACT:	JESSA FINNEGAN
	PHONE / EMAIL:	404-558-1806 /JESSA.FINNEGAN@SHAWINC.COM
	NOTES:	WATER FOUNTAIN - WATER
LVT-04	MANUFACTURER:	SHAW
	PRODUCT:	SURFACE 0515V
	COLOR / FINISH:	GRAVEL 15530
	SIZE / GAUGE:	24X24 /20 MM THICKNESS
	INSTALLATION:	BRICK INSTALL
	CONTACT:	JESSA FINNEGAN
	PHONE / EMAIL:	404-558-1806 /JESSA.FINNEGAN@SHAWINC.COM
	NOTES:	SIDEWALK EDGING IN GATHERING LAWN

METAL (MTL)

MTL-01	MANUFACTURER:	BY GC
	PRODUCT:	MATTE
	COLOR / FINISH:	
	SIZE / GUAGE:	
	INSTALLATION:	
	CONTACT:	
	PHONE / EMAIL:	STEEL LINTELS, EXTERIOR CANOPY
	NOTES:	

PLASTIC LAMINATE (PL)

PL-01	MANUFACTURER:	FORMICA
	PRODUCT:	STANDARD PLASTIC LAMINATE
	COLOR / FINISH:	WEATHERED ASH /8842-WR
	INSTALLATION:	VERTICAL SURFACES
	CONTACT:	LESLIE GALIFIANAKIS
	PHONE / EMAIL:	404-312-7633 /LESLIE.GALIFIANAKIS@FORMICA.COM
	NOTES:	BREAK, WELLNESS, STAFF
PL-02	MANUFACTURER:	FORMICA
	PRODUCT:	STANDARD PLASTIC LAMINATE
	COLOR / FINISH:	DOVE WHITE /7197-58
	INSTALLATION:	HORIZONTAL SURFACES
	CONTACT:	LESLIE GALIFIANAKIS
	PHONE / EMAIL:	404-312-7633 /LESLIE.GALIFIANAKIS@FORMICA.COM
	NOTES:	BREAK, WELLNESS, STAFF

PAINT (PT)

PT-01	MANUFACTURER:	SHERWIN WILLIAMS
	PRODUCT:	SEE SPECIFICATIONS
	COLOR:	SW7661 REFLECTION
	FINISH:	EGGSHELL
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	WALL PAINT THROUGHOUT
PT-02	MANUFACTURER:	SHERWIN WILLIAMS
	PRODUCT:	SEE SPECIFICATIONS
	COLOR:	7006 CEILING BRIGHT WHITE
	FINISH:	EGGSHELL
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	RESTROOM WALLS
PT-03	MANUFACTURER:	SHERWIN WILLIAMS
	PRODUCT:	SEE SPECIFICATIONS
	COLOR:	SW 9063 PORCH CEILING
	FINISH:	FLAT
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	FOG OUT DECK
PT-04	MANUFACTURER:	SHERWIN WILLIAMS
	PRODUCT:	SEE SPECIFICATIONS
	COLOR:	SW 6147 PANDA WHITE
	FINISH:	SEMI-GLOSS
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	ACCENTS
PT-05	MANUFACTURER:	SHERWIN WILLIAMS
	PRODUCT:	SEE SPECIFICATIONS
	COLOR:	SW 6990 CAVIAR
	FINISH:	SEMI-GLOSS
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	ACCENTS AT BOARD ROOM, STORES 6/7
PT-06	MANUFACTURER:	NOT USED
	PRODUCT:	
	COLOR:	
	FINISH:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	
PT-07	MANUFACTURER:	SHERWIN WILLIAMS
	PRODUCT:	SEE SPECIFICATIONS
	COLOR:	SW 7005 PURE WHITE
	FINISH:	SEMI-GLOSS
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	ACCENTS
PT-08	MANUFACTURER:	SHERWIN WILLIAMS
	PRODUCT:	SEE SPECIFICATIONS
	COLOR:	SW 7757 HIGH REFLECTIVE WHITE
	FINISH:	SEMI-GLOSS
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	ACCENTS
PT-10	MANUFACTURER:	SHERWIN WILLIAMS
	PRODUCT:	SEE SPECIFICATIONS
	COLOR:	SW 0016 BILLIARD GREEN
	FINISH:	SEMI-GLOSS
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	ACCENTS
PT-11	MANUFACTURER:	SHERWIN WILLIAMS
	PRODUCT:	SEE SPECIFICATIONS
	COLOR:	SW 6234 UNCERTAIN GRAY
	FINISH:	SEMI-GLOSS
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	ACCENTS AT CONFERENCE 041

QUARTZ AGGLOMERATE (QA)

QA-01	MANUFACTURER:	SILESTONE
	PRODUCT:	SOLID SURFACE
	COLOR / FINISH:	MIAMI WHITE 17
	SIZE:	3CM
	INSTALLATION:	
	CONTACT:	PACE PICKEL
	PHONE / EMAIL:	PPICKEL@CSENTINO.COM
	NOTES:	RESTROOMS, BREAKROOM, WELLNESS (EASED EDGE)
QA-02	MANUFACTURER:	SILESTONE
	PRODUCT:	SOLID SURFACE
	COLOR / FINISH:	ET. MARFIL PULIDO
	SIZE:	3CM
	INSTALLATION:	
	CONTACT:	PACE PICKEL
	PHONE / EMAIL:	PPICKEL@CSENTINO.COM
	NOTES:	RECEPTION DESK & CONSOLE (EASED EDGE)

RESILIENT BASE (RB)

RB-01	MANUFACTURER:	JOHNSONITE
	PRODUCT:	TRADITIONAL WALL BASE
	COLOR / FINISH:	29 MOON ROCK
	SIZE:	4"
	STYLE:	
	CONTACT:	MARJORIE BOSELY
	PHONE / EMAIL:	404-550-3644 /MBOSLEY@JOHNSONITE.COM
	NOTES:	THROUGHOUT, EXCEPT AT BASE CABINETS

RESILIENT FLOOR (RF)

RF-01	MANUFACTURER:	CAPRI COLLECTIONS
	PRODUCT:	RT4103
	COLOR / FINISH:	FOSSIL
	SIZE / GUAGE:	
	INSTALLATION:	ROLLS, TILES
	CONTACT:	ELIZABETH CHAMBLEY
	PHONE / EMAIL:	770-856-5139 /ECHAMBLEY@TRINITYSURFACES.COM
	NOTES:	GATHERING LAWN & SIMULATION AS NOTED

SPECIALTY FINISH (SF)

SF-01	MANUFACTURER:	GAF OR EQUAL
	PRODUCT:	3-TAB ARCHITECTURAL SHINGLES
	COLOR / FINISH:	MULTI-DIMENSIONAL TBD
	SIZE / GUAGE:	
	TRIM:	
	INSTALLATION:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	GC TO PROVIDE COLOR BOARD FOR SELECTION
SF-02	MANUFACTURER:	MASONPRO OR SIM.
	PRODUCT:	8" CROSS RIBBED GLASS BLOCK
	COLOR / FINISH:	
	SIZE / GUAGE:	
	TRIM:	
	INSTALLATION:	
	CONTACT:	
	PHONE / EMAIL:	1-800-659-4731, sales@masonpro.com
	NOTES:	https://0455864.netsolhost.com/wp-content/uploads/2013/05/GlassBlock_CrossRibbed-1.pdf AT THEATER FACADE
SF-03	MANUFACTURER:	AWNTEC OR SIM.
	PRODUCT:	SLOPE WINDOW AWNING, AWNT3202
	COLOR / FINISH:	FOREST GREEN/ WHITE
	SIZE / GUAGE:	16"H, x 100.5"L, 30"D
	TRIM:	
	INSTALLATION:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	
SF-04	MANUFACTURER:	MELTON CLASSICS
	PRODUCT:	GFRG COLUMNS - ROUND, TAPERED PLAIN TUSCAN
	COLOR / FINISH:	
	SIZE / GUAGE:	SEE PLANS & ELEVATIONS
	TRIM:	
	INSTALLATION:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	INTERIOR SUPPORT AS REQUIRED
SF-05	MANUFACTURER:	MELTON CLASSICS
	PRODUCT:	GFRG COLUMNS - SQUARE, TUSCAN SQUARE
	COLOR / FINISH:	
	SIZE / GUAGE:	14' TALL x 12" DIAMETER /SEE PLANS & ELEVATIONS
	TRIM:	
	INSTALLATION:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	INTERIOR SUPPORT AS REQUIRED
SF-07	MANUFACTURER:	ACOUFELT
	PRODUCT:	TETRA CEILING BAFFLES
	COLOR / FINISH:	OREGANO
	SIZE / GUAGE:	
	TRIM:	
	INSTALLATION:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	
SF-08	MANUFACTURER:	ACOUFELT
	PRODUCT:	TETRA CEILING BAFFLES
	COLOR / FINISH:	WASABI
	SIZE / GUAGE:	
	TRIM:	
	INSTALLATION:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	
SF-09A	MANUFACTURER:	ACOUFELT
	PRODUCT:	SOLID WALL PANELS
	COLOR / FINISH:	LIPSTICK RED
	SIZE / GUAGE:	
	TRIM:	
	INSTALLATION:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	
SF-09B	MANUFACTURER:	ACOUFELT
	PRODUCT:	SOLID WALL PANELS
	COLOR / FINISH:	PISTACHIO
	SIZE / GUAGE:	
	TRIM:	
	INSTALLATION:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	
SF-09C	MANUFACTURER:	ACOUFELT
	PRODUCT:	SOLID WALL PANELS
	COLOR / FINISH:	PEARL
	SIZE / GUAGE:	
	TRIM:	
	INSTALLATION:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	
SF-10	MANUFACTURER:	ARCHITECTURAL FIBERGLASS, INC.
	PRODUCT:	FIBERGLASS HEMISPHERE DOME A-142
	COLOR / FINISH:	R 1'-5", D 2'-10"
	SIZE / GUAGE:	
	TRIM:	
	INSTALLATION:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	
SF-11	MANUFACTURER:	ARCHITECTURAL FIBERGLASS, INC.
	PRODUCT:	FIBERGLASS FINIAL DST-106
	COLOR / FINISH:	W 6", H 8"
	SIZE / GUAGE:	
	TRIM:	
	INSTALLATION:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	
SF-12	MANUFACTURER:	VINTAGE WOODWORKS
	PRODUCT:	6" MONTGOMERY BALLUSTER (M624)
	COLOR / FINISH:	PAINT, SEE ELEVATION
	SIZE / GUAGE:	6" DIAM. X 24" TALL
	TRIM:	
	INSTALLATION:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	FIRE TREAT BEFORE PAINTING

STONE (ST)

ST-01	MANUFACTURER:	ELDEORADO STONE
	PRODUCT:	MESQUITE
	COLOR / FINISH:	CLIFFSTONE
	SIZE:	
	JOINT SIZE:	
	INSTALLATION:	
	GROUT MFR:	
	GROUT COLOR:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	RESTROOM CORRIDOR ENTRY, CONFERENCE 041
ST-02	MANUFACTURER:	ELDEORADO STONE
	PRODUCT:	VANTAGE 30
	COLOR / FINISH:	WHITE ELM
	SIZE:	
	JOINT SIZE:	
	INSTALLATION:	
	GROUT MFR:	
	GROUT COLOR:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	BUILDING EXTERIOR

SIMULATED STUCCO / EIFS (STU)

STU-01	MANUFACTURER:	MASTER WALL INC. OR SIM.
	PRODUCT:	EIFS
	COLOR / FINISH:	WILLIAMSBURG LIGHT RED /CIFS BRICK
	SIZE:	
	JOINT SIZE:	
	INSTALLATION:	
	GROUT MFR:	
	GROUT COLOR:	#403 WEATHERED VERSATEX 0.5
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	TYPICAL BRICK
STU-02	MANUFACTURER:	MASTER WALL INC. OR SIM.
	PRODUCT:	EIFS
	COLOR / FINISH:	REFER TO YANKEE HILL BRICK: CAPITAL, IRON SPOT SM.
	SIZE:	
	JOINT SIZE:	
	INSTALLATION:	
	GROUT MFR:	
	GROUT COLOR:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	BLACKENED BRICK, STORES 6/7
STU-03	MANUFACTURER:	MASTER WALL INC. OR SIM.
	PRODUCT:	EIFS
	COLOR / FINISH:	REFER TO CHEROKEE BRICK: PROVIDENCE, MACON
	SIZE:	
	JOINT SIZE:	
	INSTALLATION:	
	GROUT MFR:	
	GROUT COLOR:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	CONFERENCE 041
STU-04	MANUFACTURER:	MASTER WALL INC. OR SIM.
	PRODUCT:	EIFS (SMOOTH STUCCO)
	COLOR / FINISH:	REFER TO SHERWIN WILLIAMS 6990 CAVIAR
	SIZE:	
	JOINT SIZE:	
	INSTALLATION:	
	GROUT MFR:	
	GROUT COLOR:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	CLASSROOM 040
STU-05	MANUFACTURER:	MASTER WALL INC. OR SIM.
	PRODUCT:	EIFS (SMOOTH STUCCO)
	COLOR / FINISH:	REFER TO SHERWIN WILLIAMS 7719 FRESCO CREAM
	SIZE:	
	JOINT SIZE:	
	INSTALLATION:	
	GROUT MFR:	
	GROUT COLOR:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	CLASSROOM 040
STU-07	MANUFACTURER:	MASTER WALL INC. OR SIM.
	PRODUCT:	EIFS (SMOOTH STUCCO)
	COLOR / FINISH:	REFER TO SHERWIN WILLIAMS 6147 PANDA WHITE
	SIZE:	
	JOINT SIZE:	
	INSTALLATION:	
	GROUT MFR:	
	GROUT COLOR:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	THEATER, CLASSROOM 040
STU-08	MANUFACTURER:	MASTER WALL INC. OR SIM.
	PRODUCT:	EIFS (SMOOTH STUCCO)
	COLOR / FINISH:	REFER TO SHERWIN WILLIAMS SW 0016 BILLIARD GREEN
	SIZE:	
	JOINT SIZE:	
	INSTALLATION:	
	GROUT MFR:	
	GROUT COLOR:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	
STU-10	MANUFACTURER:	MASTER WALL INC. OR SIM.
	PRODUCT:	EIFS (SMOOTH STUCCO)
	COLOR / FINISH:	REFER TO SHERWIN WILLIAMS 6234 UNCERTAIN GRAY
	SIZE:	
	JOINT SIZE:	
	INSTALLATION:	
	GROUT MFR:	
	GROUT COLOR:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	STORE 17
STU-12	MANUFACTURER:	MASTER WALL INC. OR SIM.
	PRODUCT:	EIFS (SMOOTH STUCCO)
	COLOR / FINISH:	REFER TO SHERWIN WILLIAMS 7757 HIGH REFLECTIVE WHITE
	SIZE:	
	JOINT SIZE:	
	INSTALLATION:	
	GROUT MFR:	
	GROUT COLOR:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	ACCENTS
STU-14	MANUFACTURER:	MASTER WALL INC. OR SIM.
	PRODUCT:	EIFS (SMOOTH STUCCO)
	COLOR / FINISH:	MATCH STU-23, MINUS PANELS
	SIZE:	
	JOINT SIZE:	
	INSTALLATION:	
	GROUT MFR:	
	GROUT COLOR:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	VENETIAN PLASTER TYPE FINISH - STORE 8
STU-15	MANUFACTURER:	MASTER WALL INC. OR SIM.
	PRODUCT:	EIFS (SMOOTH STUCCO)
	COLOR / FINISH:	REFER TO SHERWIN WILLIAMS SW 9109 NATURAL LINEN
	SIZE:	
	JOINT SIZE:	
	INSTALLATION:	
	GROUT MFR:	
	GROUT COLOR:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	CONF. 041, STORE 18, THEATER: SIM SIDE,
STU-17	MANUFACTURER:	MASTER WALL INC. OR SIM.
	PRODUCT:	SILVER METALLIC SMOOTH STUCCO
	COLOR / FINISH:	MASTERWALL METALLIC COTE OR SIM. IN POLISHED NICKEL
	SIZE:	
	JOINT SIZE:	
	INSTALLATION:	
	GROUT MFR:	
	GROUT COLOR:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	REFER TO MANUFACTURE INSTALLATION INSTRUCTIONS FOR "SMOOTH LOOK" APPLICATION. STORES 1,2 & 13, 14, 15
STU-18	MANUFACTURER:	MASTER WALL INC. OR SIM.
	PRODUCT:	EIFS (WOOD PANEL FINISH)
	COLOR / FINISH:	REFER TO DUCHATEAU VERNAL VEROBE7-SS
	SIZE:	
	JOINT SIZE:	
	INSTALLATION:	
	GROUT MFR:	
	GROUT COLOR:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	STORE 17
STU-19	MANUFACTURER:	MASTER WALL INC. OR SIM.
	PRODUCT:	EIFS (WOOD PANEL FINISH)
	COLOR / FINISH:	SEE NOTES /CIFS WOOD GRAIN TEX
	SIZE:	
	JOINT SIZE:	
	INSTALLATION:	
	GROUT MFR:	
	GROUT COLOR:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	REFER TO ARTISTRY HARDWOOD FLOORING WINDSOR COLLECTION EMERSON OAK 50150. RESTROOM CORRIDOR ENTRY
STU-22	MANUFACTURER:	MASTER WALL INC. OR SIM.
	PRODUCT:	EIFS (SAVANNAH FINISH)
	COLOR / FINISH:	REFER TO SHERWIN WILLIAMS SW 7532 URBAN PUTTY
	SIZE:	
	JOINT SIZE:	
	INSTALLATION:	
	GROUT MFR:	
	GROUT COLOR:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	VENETIAN PLASTER TYPE FINISH, THEATER
STU-23	MANUFACTURER:	MASTER WALL INC. OR SIM.
	PRODUCT:	EIFS (SAVANNAH FINISH)
	COLOR / FINISH:	"LIMESTONE PANELS" LOOK
	SIZE:	
	JOINT SIZE:	
	INSTALLATION:	
	GROUT MFR:	
	GROUT COLOR:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	VENETIAN PLASTER TYPE FINISH - STORE 8
STU-24	MANUFACTURER:	MASTER WALL INC. OR SIM.
	PRODUCT:	EIFS (SAVANNAH FINISH)
	COLOR / FINISH:	"CONCRETE" LOOK
	SIZE:	
	JOINT SIZE:	
	INSTALLATION:	
	GROUT MFR:	
	GROUT COLOR:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	VENETIAN PLASTER TYPE FINISH - STORES 3-4
STU-25	MANUFACTURER:	MASTER WALL INC. OR SIM.
	PRODUCT:	EIFS (SMOOTH STUCCO)
	COLOR / FINISH:	REFER TO SW 7005 PURE WHITE
	SIZE:	
	JOINT SIZE:	
	INSTALLATION:	
	GROUT MFR:	
	GROUT COLOR:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	STORE 5

WALL COVERING (WC)

WC-01	MANUFACTURER:	COMMAND
	PRODUCT:	JACQUARD WEAVE
	COLOR / FINISH:	GLACIER
	WIDTH / REPEAT:	52 /54"
	WEIGHT:	20 OZ
	BACKING:	OSNABURG
	INSTALLATION:	
	CONTACT:	HEATHER THAGARD
	PHONE / EMAIL:	404-281-0710 /HEATHER.THAGARD@NATIONALSOLUTIONS.COM
	NOTES:	AT BREAKROOM AND WELLNESS

WINDOW TREATMENT / DRAPERY (WT)

WT-01	MANUFACTURER:	MECHOSHADES
	PRODUCT:	MANUAL ROLLERSHADES
	COLOR:	TBD, 5% OPENNESS
	WIDTH / REPEAT:	SEE PLANS
	CONTENT:	
	BACKING:	
	FINISH:	
	INSTALLATION:	FACE OF MULLION, PROVIDE ALUMINUM FASCIA
	CONTACT:	CHERIE SIMMONS
	PHONE / EMAIL:	(770) 519-0570 /CHERIE.SIMMONS@MECHOSHADE.COM
	NOTES:	ENTRY, CONFERENCE ROOMS, STAFF AREAS

WALK OFF MATT (WM)

WT-01	MANUFACTURER:	SHAW
	PRODUCT:	WELCOME II 5T031
	COLOR:	STERLING 31557
	WIDTH / REPEAT:	24" X 24"
	CONTENT:	
	BACKING:	
	FINISH:	
	INSTALLATION:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	

WOOD (WD)

WD-02	MANUFACTURER:	SURFACING SOLUTION
	PRODUCT:	383 SOLID WOOD TAMBOUR
	SPECIES:	
	COLOR / FINISH:	POPLAR
	SIZE:	3/4" WIDE SLATS 5/16" DEEP
	PROFILE:	
	CONTACT:	
	PHONE / EMAIL:	JERAMY@SURFACINGSOLUTIONS.COM
	NOTES:	STORE 17
WD-03	MANUFACTURER:	WEABER
	PRODUCT:	S4S OAK BOARD
	SPECIES:	
	COLOR / FINISH:	OAK
	SIZE:	1" X 10" X 8'
	PROFILE:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	RECEPTION DESK CONSOLE TOP

WOOD STAIN (WS)

WS-01	MANUFACTURER:	XXXX
	PRODUCT:	
	COLOR / FINISH:	
	SIZE / GUAGE:	
	INSTALLATION:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	

WOOD VENEER (WV)

WV-01	MANUFACTURER:	VT INDUSTRIES
	PRODUCT:	FIGT FUMED OAK
	COLOR / FINISH:	/RIFT CUT
	SIZE / GUAGE:	
	INSTALLATION:	
	CONTACT:	DAN TULLY
	PHONE / EMAIL:	312-330-8819 /DTULLY@ARCHVENEERS.COM
	NOTES:	ALL WOOD DOORS, U.N.O.

WOOD ACCESSORIES (WA)

WA-01	MANUFACTURER:	WOODGRAIN MILLWORK
	PRODUCT:	DM CM-1176 SOLID PINE CROWN MOLDING
	COLOR / FINISH:	TO BE PAINTED SW 0016 BILLIARD GREEN
	SIZE / GUAGE:	5/8" X 4 7/8"
	INSTALLATION:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	FINISHED TO BE DISTRESSED
WA-02	MANUFACTURER:	EKENA MILLWORK
	PRODUCT:	UNFINISHED WOOD ALDER DIANE RECESSED WOOD CORBEL
	COLOR / FINISH:	TO BE PAINTED SW 0016 BILLIARD GREEN
	SIZE / GUAGE:	5"X4"X10"
	INSTALLATION:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	FINISHED TO BE DISTRESSED
WA-03	MANUFACTURER:	ORNAMENTAL MOULDINGS
	PRODUCT:	1644 WHITE HARDWOOD FLUTED CASING MOULDING
	COLOR / FINISH:	TO BE PAINTED SW 0016 BILLIARD GREEN
	SIZE / GUAGE:	1/2"X4"X84"
	INSTALLATION:	
	CONTACT:	
	PHONE / EMAIL:	
	NOTES:	FINISHED TO BE DISTRESSED

RJTR

RULE JOY TRAMMELL RUBIO LLC
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Rev #	Date	Issue/Revision
1	02.03.23	ISSUE FOR CONSTRUCTION

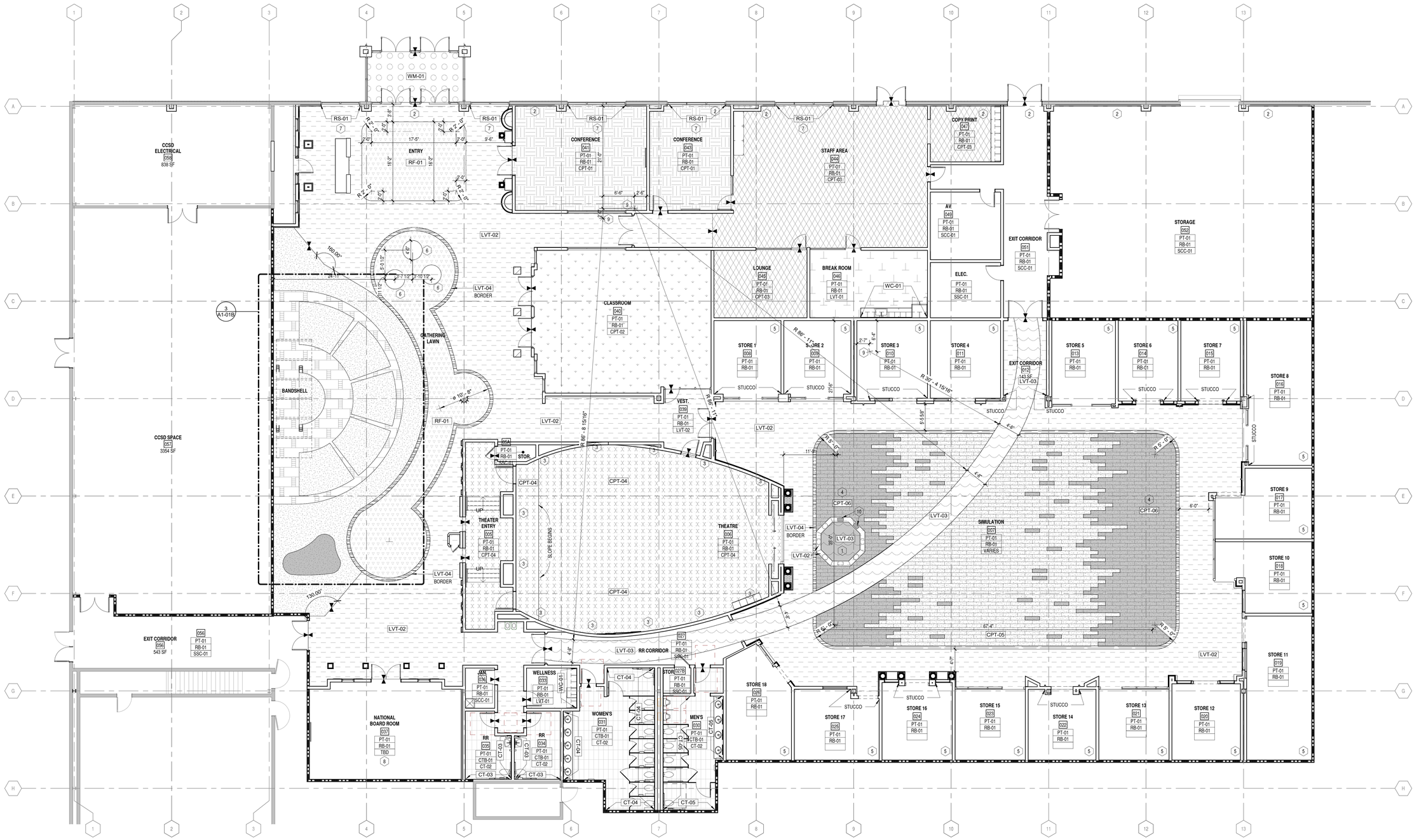
STATE OF GEORGIA
Scott T. Norman
SCOTT T. NORMAN
2/3/2023
CERTIFICATE NO. 596
REGISTERED ARCHITECT

ISSUED FOR CONSTRUCTION

FINISH SCHEDULE

JUNIOR ACHIEVEMENT
4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024
DRAWING NO:
A4-00



1 FINISH PLAN

1/8" = 1'-0"

FINISH PLAN LEGEND:

- XXX — ROOM NUMBER
- XX-XX — WALL FINISH
- XX-XX — BASE FINISH
- XX-XX — FLOOR FINISH
- XX-XX — EXTENT OF WALL FINISH
- XX-XX / XX-XX — FINISH TRANSITION
- X.XX-XX — FLOOR TRANSITION DETAIL
- FINISH MATERIAL PATTERN OR GRAIN DIRECTION

FINISH GENERAL NOTES:

1. REFER TO SPECIFICATIONS AND SHEET ***A1-01*** FOR ADDITIONAL GENERAL NOTES.
2. GENERAL CONTRACTOR TO BECOME FAMILIAR WITH EXISTING CONDITIONS PRIOR TO CONSTRUCTION COMMENCEMENT, AND NOTIFY ARCHITECT OF ANY FIELD CONDITIONS THAT DO NOT APPEAR ON DRAWINGS.
3. THESE DRAWINGS HAVE BEEN MADE FROM EXISTING DRAWINGS WHICH MAY NOT REFLECT ACTUAL FIELD CONDITIONS. VERIFY EXISTING FIELD CONDITIONS AND NOTIFY THE ARCHITECT IMMEDIATELY OF INCONSISTENCIES BEFORE PROCEEDING WITH CONSTRUCTION.
4. IN THE EVENT THAT THE CONSTRUCTION WORK IS PERFORMED BY SUBCONTRACTORS, THE GENERAL CONTRACTOR MUST PROVIDE SUPERVISION OVER THE SUB-CONTRACTOR'S WORK.
5. ALL FINISH MATERIALS SHALL BE CLASS "A", "B" OR "C" AS REQUIRED BY CODE.
6. ALL FLOORING SLIP RESISTANCE TO MEET ICC/ANSI A117.1-2009, SECTION 302.1
7. ALL INTERIOR FLOOR FINISHES COMPLY WITH IBS 804 GENERAL, 8043 TESTING AND IDENTIFICATION, 8045 INTERIOR FLOOR FINISH REQUIREMENTS, 80451 MINIMUM CRITICAL RADIANT FLUX.
8. FINISH LOCATIONS ON FINISH SCHEDULE ARE FOR GENERAL USE. REFER TO FINISH PLANS ON ***A4-SERIES*** FOR ALL LOCATIONS.
9. REFER TO SHEET ***A4-00*** FOR INTERIOR FINISH LEGEND FOR DETAILS ON FINISH MANUFACTURER, COLOR & OTHER SPECIFICATION INFORMATION.
10. ALL FINISHES AND MATERIALS SHALL BE INDICATED ON THE FINISH PLANS. NO SUBSTITUTIONS WILL BE ACCEPTED WITHOUT PRIOR APPROVAL OF THE ARCHITECT.
11. REFER TO RCPS, ELEVATIONS AND DETAILS FOR ADDITIONAL FINISH INFORMATION.
12. ALL SURFACES SHALL BE PREPARED TO RECEIVE NEW FINISH AS REQUIRED BY MANUFACTURER'S PRODUCT INSTALLATION SPECIFICATIONS.
13. REFER TO SHEET ***A8-05*** FOR FLOOR TRANSITION DETAILS.
14. USE CRACK SUPPRESSION MEMBRANE AT SLAB CONTROL JOINTS & CRACKS THAT DEVELOP PRIOR TO TILE INSTALLATION.
15. CLOSETS TO RECEIVE SAME FLOORING AND BASE AS ADJACENT ROOM, UNO.
16. ALL FLOOR FINISH TRANSITIONS SHALL OCCUR AT THE CENTERLINE OF DOOR OR CASED OPENINGS WHEN DOOR IS IN CLOSED POSITION, UNO.
17. CONTINUE SCHEDULED FLOORING UNDER MILLWORK, UNO.
18. PROVIDE SOUND CONTROL MATS (AS PART OF THE GYPSUM CEMENT UNDERLAYMENT SYSTEMS) AT ALL HARD SURFACE (NON-CARPETED) FLOOR FINISH AREAS AT THE FOLLOWING LOCATIONS:
    A. BETWEEN VERTICALLY ADJACENT DWELLINGS (RESIDENTIAL) UNITES
    B. BETWEEN DWELLING (RESIDENTIAL) UNITS AND VERTICALLY ADJACENT PUBLIC AREAS.
19. ALL WALLS TO RECEIVE WALL COVERING SHALL BE PRIMED WITH SIZING.
20. ALL WALLS RECEIVING WRITABLE PAINT FINISH OR WALL WASHERS TO RECEIVE LEVEL 5 FINISH, UNO.
21. ITEMS IN OR ON WALL(I.E. ELECTRICAL PANELS, FIRE PROTECTION CABINETS, GRILLS OR CLOSURES AND LOUVERED ACCESS PANELS TO UNIT VTAC(S) SHALL BE PAINTED TO MATCH THE ADJACENT WALL SURFACE COLOR, UNO OR OTHER MANUFACTURER FINISHES ARE SPECIFIED. REVIEW ARCHITECTURAL ELEVATIONS PRIOR TO PLACEMENT TO AVOID CONFLICT WITH DECORATIVE APPLIED MOLDINGS AND CASEWORK. CONSULT WITH ARCHITECT IF CONFLICT CANNOT BE AVOIDED.
22. SEALANT AND CAULKING TO MATCH ADJACENT SURFACE.
23. COVED METAL BASE AT PUBLIC RESTROOMS.
24. DOOR FRAMES TO BE PAINTED WITH SEMI-GLOSS FINISH, UNO.
25. ALL STANDARD PLASTIC LAMINATE CABINETS: ***WHITE*** MELAMINE INTERIOR
26. ALL WOOD VENEER CABINETS: ***BLACK*** MELAMINE INTERIOR.
27. THE COVER PLATE FINISH OF ALL WALL MOUNTED POWER AND COMMUNICATION DEVICES SHALL BE ***WHITE*** UNO. REPLACE ANY EXISTING COVERS TO MATCH.
28. COORDINATE WITH POWER AND RCP PLAN FOR MOTORIZED WINDOW TREATMENTS, AND FLOOR PLAN FOR ELECTRIC OPERABLE PARTITIONS IF APPLICABLE.

FLOOR MATERIAL LEGEND:

CPT-01	LVT-01
CPT-02	LVT-02
CPT-03	LVT-03
CPT-04	LVT-04
CPT-05	RF-01
CPT-06	SSC-01
CT-01	WM-01
CT-02	

FINISH PLAN KEY NOTES:

1. LVT "FOUNTAIN"
2. PAINT WALLS TO DECK
3. ACOUSTIC PANELS AT THEATER WALL
4. CPT-05 TO BE MIXED IN, PATTERN TO BE DETERMINED
5. FLOOR FINISHES PER STORE PACKAGE, CLEAN UP CONCRETE SLAB AND PREPARE FOR NEW FINISHES AS SCHEDULED
6. G-FLOOR FOUNDERS PLAQUE. COORDINATE WITH GRAPHICS VENDOR ON INSTALL ONCE PLAQUE IS ON SITE.
7. MANUAL ROLLER SHADE
8. CARPET AT BOARD ROOM SPEC TBD
9. MAP OUT FLOORING ARCH BEFORE FRAMING
10. PRINTED G-FLOOR PLAQUES VY GRAPHICS VENDOR INSET INTO SCHEDULED LVT FLOORING.

FINISH PLAN PRICING NOTES:

1. PROVIDE PRICING FOR RUBBER FLOOR ALTERNATE AT LVT-03 - KEYNOTE 3.

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Rev #	Date	Issue/Revision
1	02.03.23	ISSUE FOR CONSTRUCTION

STATE OF GEORGIA — Scott T. Norman — 2/3/2023 — CERTIFICATE NO. 19... — REGISTERED ARCHITECT

ISSUED FOR CONSTRUCTION

JUNIOR ACHIEVEMENT

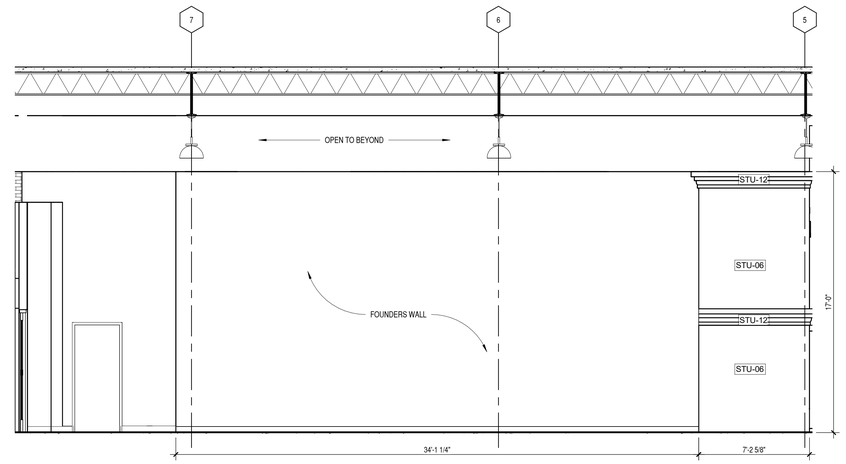
4395 RIVER WATCH PARKWAY
EVANS, GA 30809

FINISH PLAN

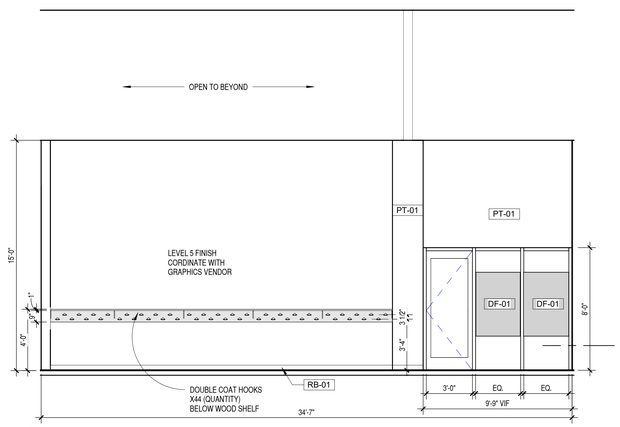
COMMISSION NO: 22_024

DRAWING NO:

A4-01



5 MURAL SOUTH
1/4" = 1'-0"



4 MURAL NORTH
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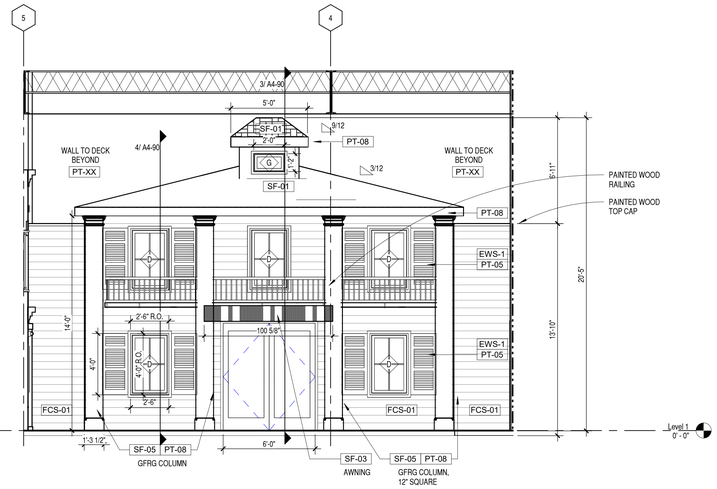
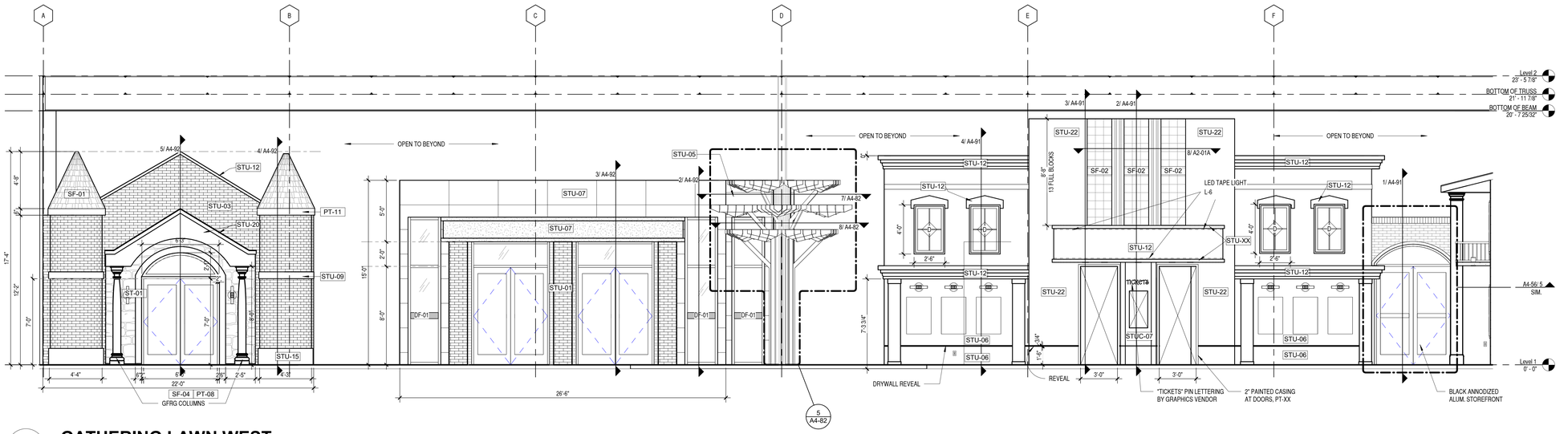
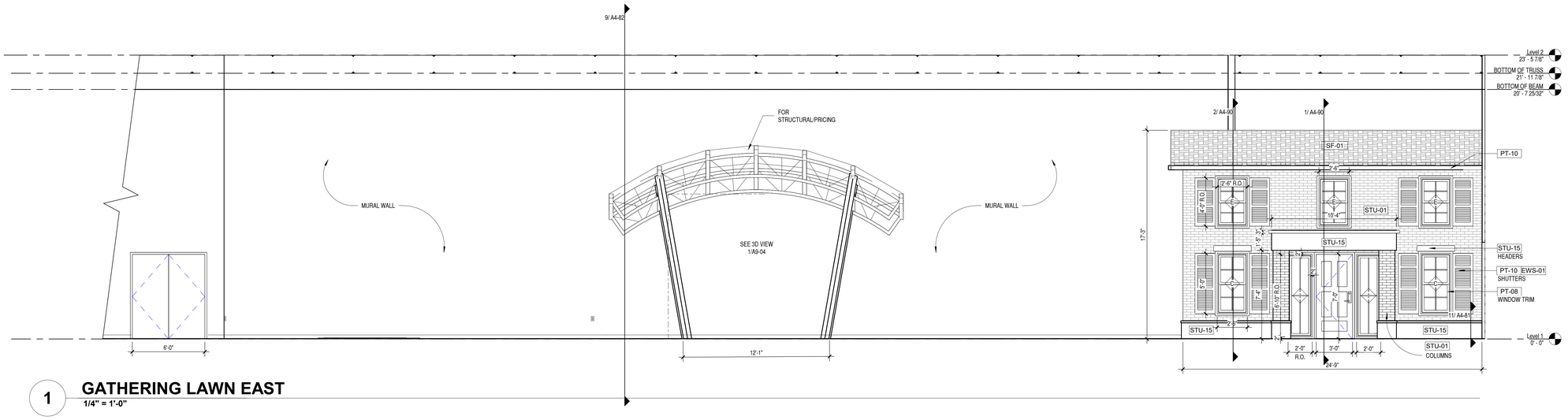


3 NATIONAL BOARDROOM
1/4" = 1'-0"



2 GATHERING LAWN WEST
1/4" = 1'-0"



1 GATHERING LAWN EAST
1/4" = 1'-0"

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Rev #	Date	Issue/Revision
1	02.03.23	ISSUE FOR CONSTRUCTION

STATE OF GEORGIA
SCOTT T. NORMAN
CERTIFICATE NO. 035
REGISTERED ARCHITECT
Scott T. Norman
2/3/2023

ISSUED FOR CONSTRUCTION

INTERIOR ELEVATIONS - LOBBY

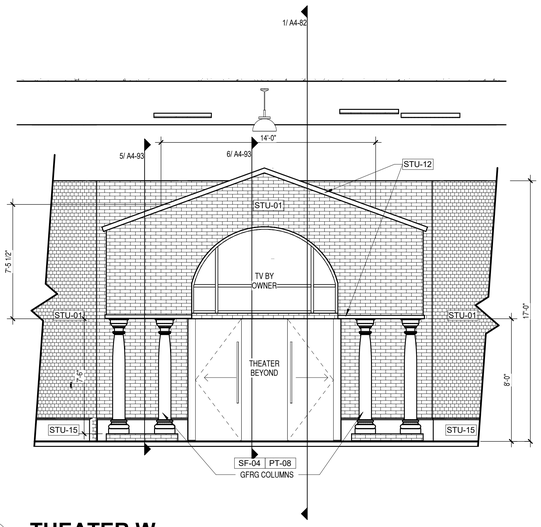
JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

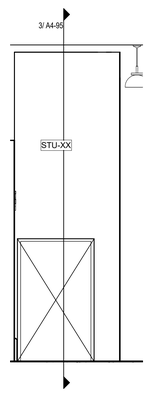
COMMISSION NO: 22_024

DRAWING NO:

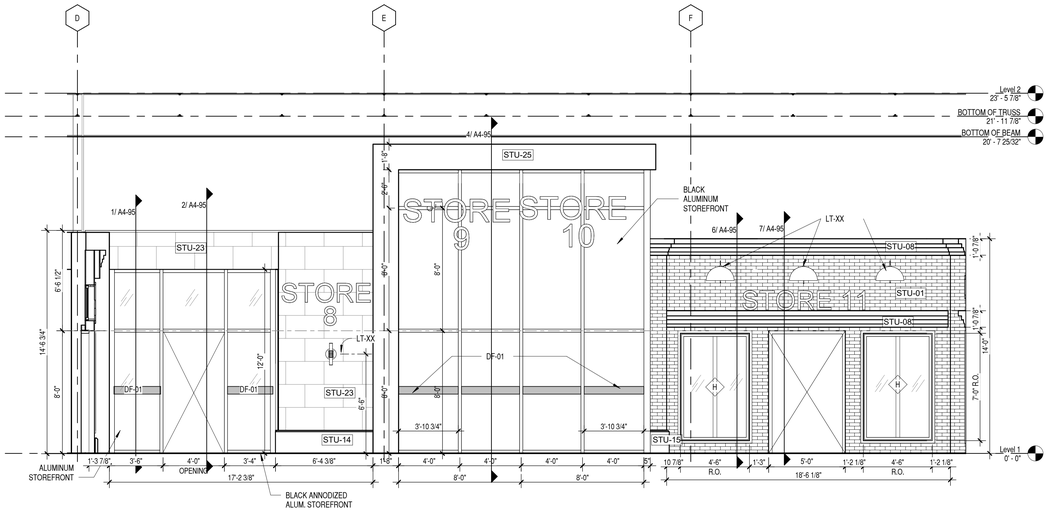
A4-52



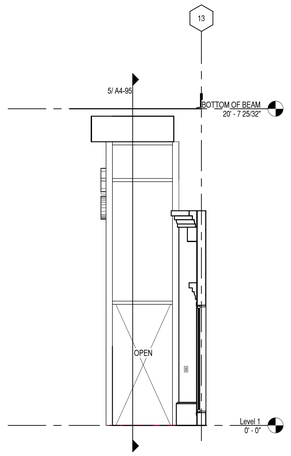
6 THEATER W.
1/4" = 1'-0"



8 STORE 9 ENTRY
1/4" = 1'-0"



5 STORE ELEVATIONS E.
1/4" = 1'-0"

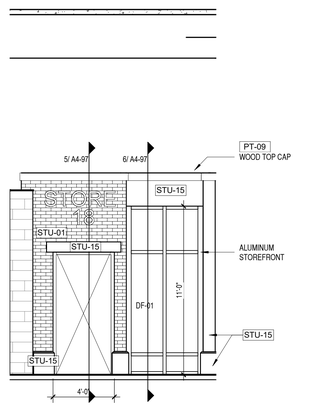


9 STORE 10 ENTRY
1/4" = 1'-0"

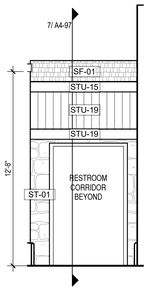
4 STORES NW
1/4" = 1'-0"

3 STORE ELEVATIONS N.
1/4" = 1'-0"

2 STORE ELEVATIONS S.
1/4" = 1'-0"



1 STORES SW NEW
1/4" = 1'-0"



7 RR TUNNEL
1/4" = 1'-0"

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STATE OF GEORGIA
SCOTT T. NORMAN
CERTIFICATE NO. 035
REGISTERED ARCHITECT
Scott T. Norman
2/3/2023

ISSUED FOR CONSTRUCTION

INTERIOR ELEVATIONS - STORES

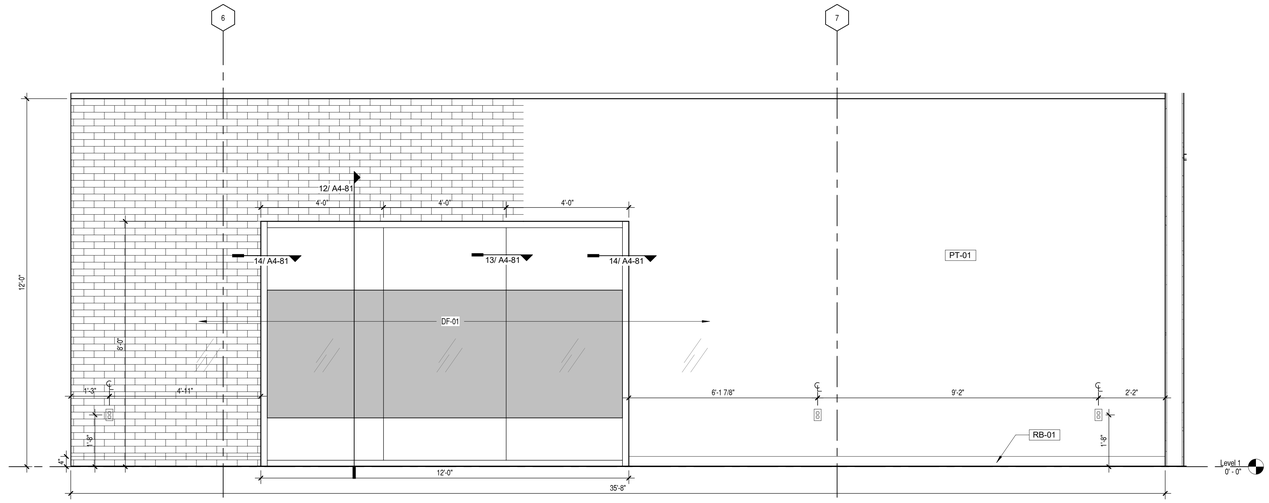
JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

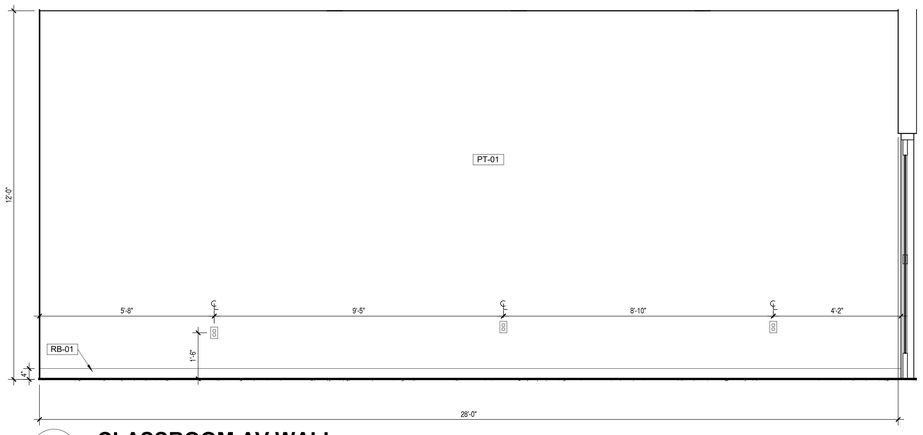
COMMISSION NO: 22_024
DRAWING NO:
A4-53

APPLIANCE SCHEDULE

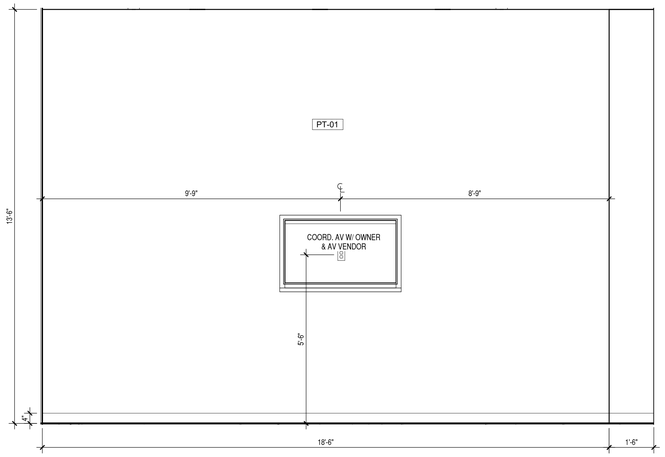
TAG:	MANUFACTURER:	PRODUCT TYPE:	PRODUCT NO.:	FINISH:	NOTES:
AP-1	GE	ADA DISHWASHER	GLDT696JSS	SS	CONTRACTOR TO PROVIDE; COORDINATE POWER REQUIREMENTS, WATER SUPPLY AND DRAIN LINES WITH EQUIPMENT SPECIFICATIONS AND MEP
AP-2	GE	REFRIGERATOR	PSE25KSHSS	SS	CONTRACTOR TO PROVIDE; COORDINATE POWER REQUIREMENTS, WATER SUPPLY AND DRAIN LINES WITH EQUIPMENT SPECIFICATIONS AND MEP
AP-3	PER OWNER	MICROWAVE OVEN	PER OWNER	SS	OWNER TO SUPPLY
AP-4	FRIGIDAIRE	UNDER COUNTER BEVERAGE COOLER	FFBC4622QS	SS	ADA NOT REQUIRED
AP-5	PER OWNER	COFFEE MAKER	PER OWNER		PROVIDE WATER LINE, OWNER TO SUPPLY



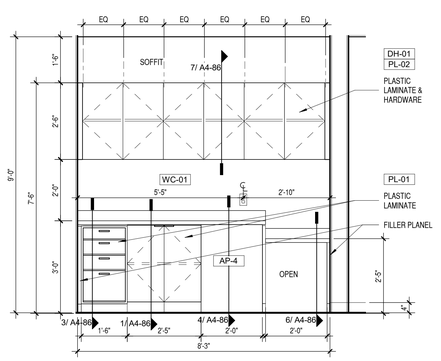
7 CLASSROOM NORTH
1/2" = 1'-0"



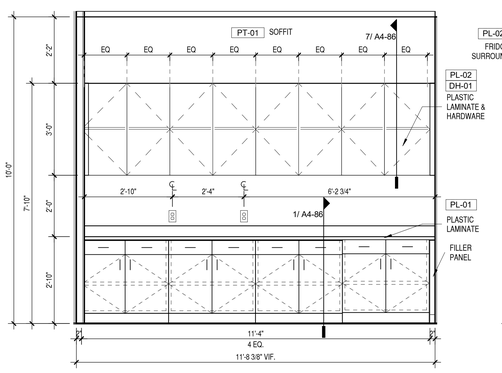
6 CLASSROOM AV WALL
1/2" = 1'-0"



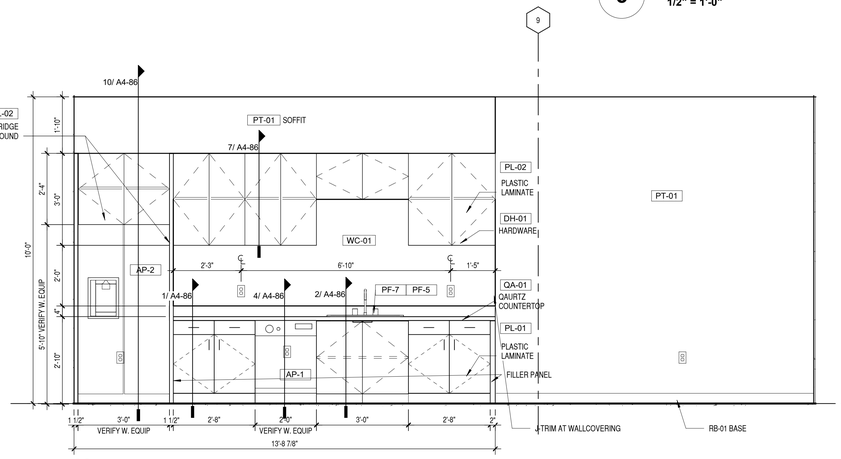
5 BOARD ROOM AV WALL
1/2" = 1'-0"



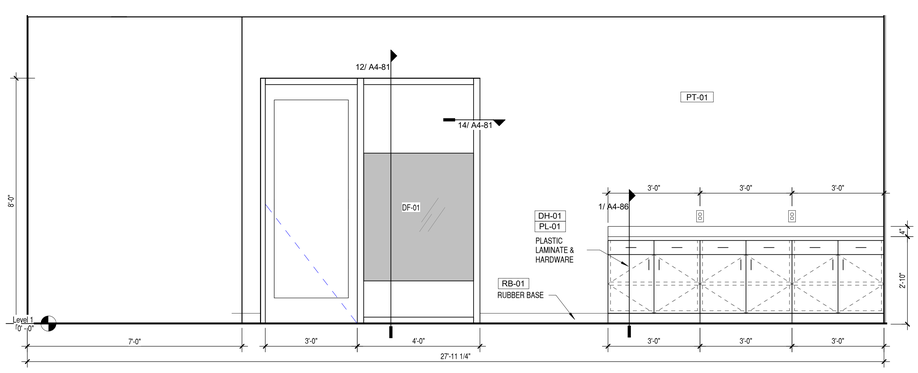
1 WELLNESS COUNTER
1/2" = 1'-0"



3 COPY/PRINT
1/2" = 1'-0"



4 BREAK ROOM NEW
1/2" = 1'-0"



2 STAFF AREA
1/2" = 1'-0"

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Rev #	Date	Issue/Revision
1	02.03.23	ISSUE FOR CONSTRUCTION

ISSUED FOR CONSTRUCTION

INTERIOR ELEVATIONS - CLASSROOM & SUPPORT

JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024

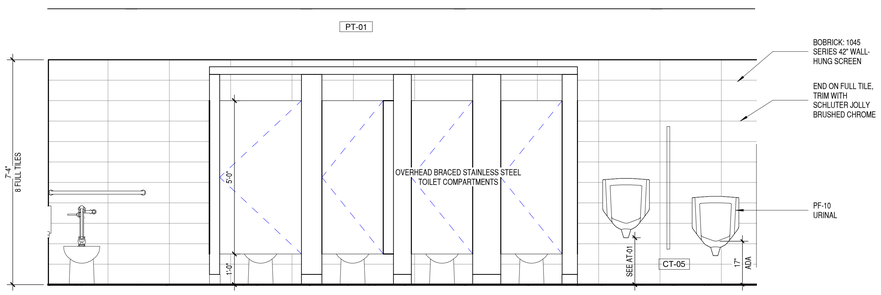
DRAWING NO:

A4-54

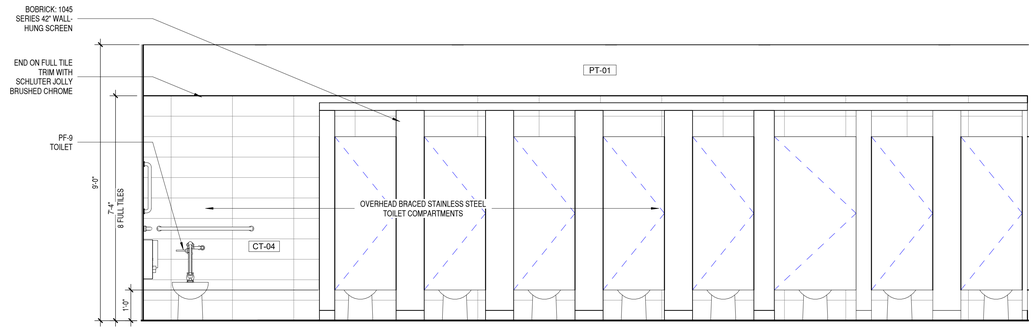
TOILET ACCESSORY SCHEDULE

TAG:	MANUFACTURER:	PRODUCT TYPE:	PRODUCT NO.:	FINISH:	LOCATION:	NOTES:
TA-1	BOBRICK	COAT HOOK	B-212	ALUMINUM	ALL RESTROOMS	INSTALL UNIT W/ TOP OF HOOK AT 48" A.F.F. UNITS TO BE LOCATED BEHIND EACH STALL DOOR AND UNISEX RR DOOR.
TA-2	BOBRICK	SANITARY NAPKIN DISPOSAL	B-270	SS		
TA-3	SAN JAMAR	SINGLE ROLL TP DISPENSER	TBD	BLACK PEARL		
TA-4	GEORGIA PACIFIC	DOUBLE ROLL TP DISPENSER	59209	TRANSLUCENT SMOKE		
TA-5	WORLD DRYER	HAND DRYER	VERDE DRI	SS		
TA-6	CASCADES TISSUE	PAPER TOWEL DISPENSER	C225	WHITE		
TA-7	ASI	GRAB BAR		SSS		36" LENGTH
TA-8	ASI	GRAB BAR		SSS		42" LENGTH
TA-9	BOBRICK	RECESSED TRASH	B-43644	SSS		
TA-10	ASI	GRAB BAR		SSS		18" LENGTH
TA-11	DEB STOKO	WALL MOUNTED SOAP DISPENSER	TBD (1 LITER)	WHITE		INSTALL CENTER OF UNIT AT 48" A.F.F.
TA-12		SOAP PUMP AT COUNTER				

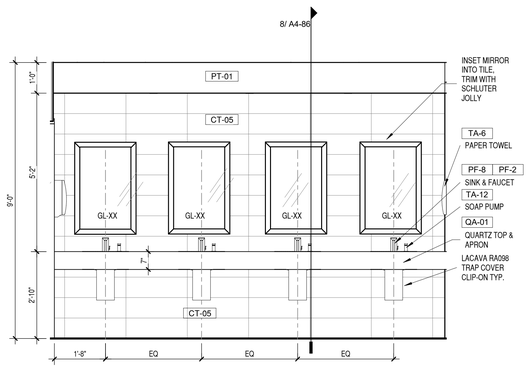
NOTE: TOILET & URINAL PARTITIONS TO HAVE CONCEALED STAINLESS STEEL HARDWARE & HIGH PRESSURE LAMINATE FACES / EDGES
SEE AT-06 FOR ACCESSORY MOUNTING HEIGHTS



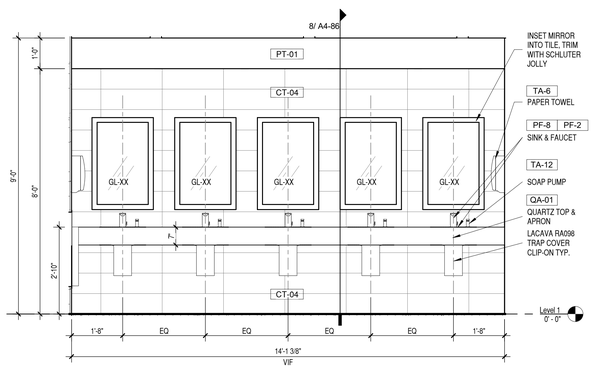
6 MEN'S RR STALLS
1/2" = 1'-0"



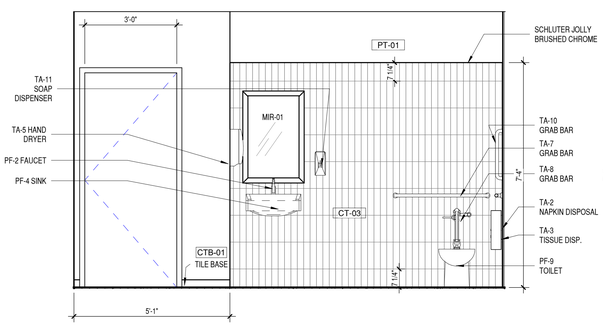
5 WOMEN'S RR STALLS
1/2" = 1'-0"



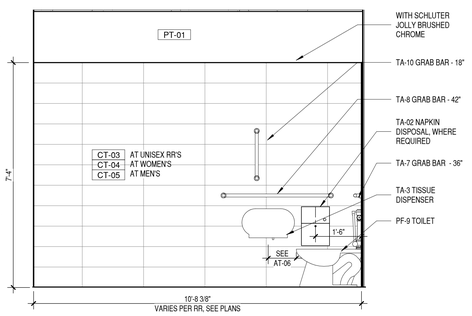
4 MEN'S RESTROOM VANITY
1/2" = 1'-0"



3 WOMEN'S RESTROOM VANITY
1/2" = 1'-0"



2 UNISEX RR
1/2" = 1'-0"



1 ADA RR SIDE VIEW
1/2" = 1'-0"

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STATE OF GEORGIA
SCOTT T. NORMAN
2/3/2023
CERTIFICATE NO. 32
REGISTERED ARCHITECT

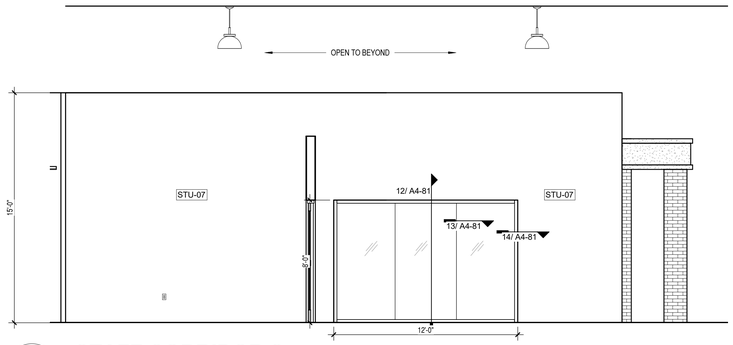
ISSUED FOR CONSTRUCTION

INTERIOR ELEVATIONS - RESTROOMS

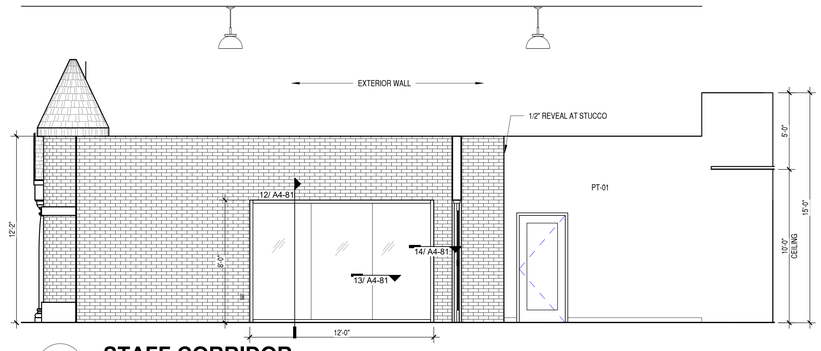
JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

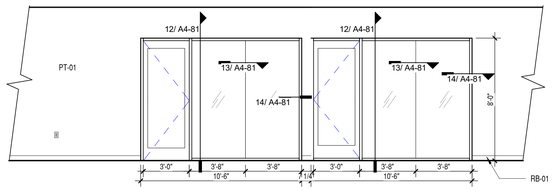
COMMISSION NO: 22_024
DRAWING NO:
A4-55



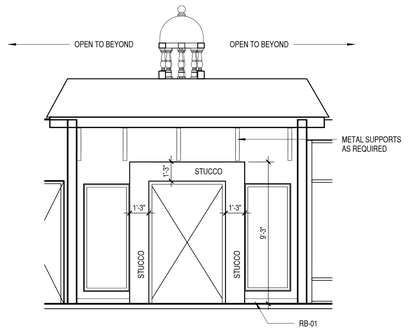
13 STAFF CORRIDOR S.
1/4" = 1'-0"



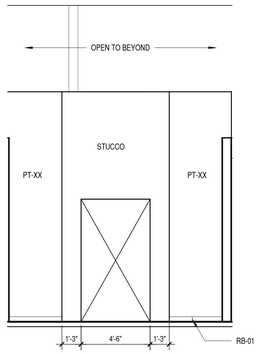
12 STAFF CORRIDOR
1/4" = 1'-0"



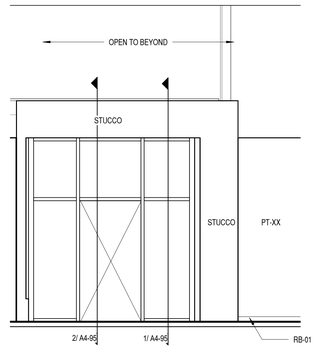
10 STOREFRONT AT STAFF BREAK AREA
1/4" = 1'-0"



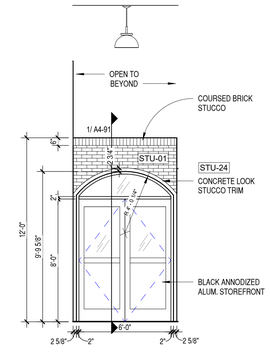
8 STORE 16 INTERIOR
1/4" = 1'-0"



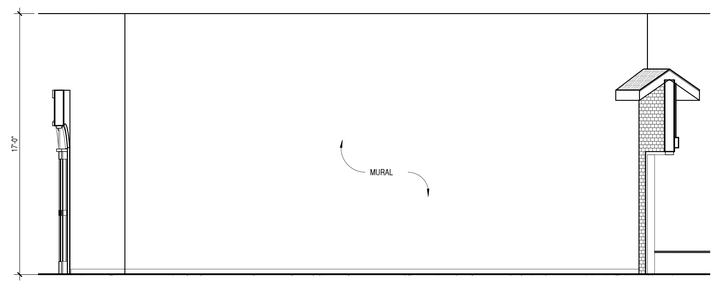
7 STORE 14 INTERIOR
1/4" = 1'-0"



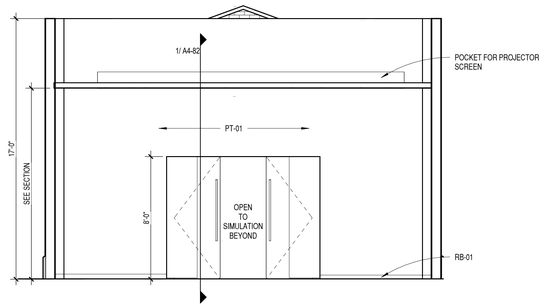
6 STORE 8 INTERIOR
1/4" = 1'-0"



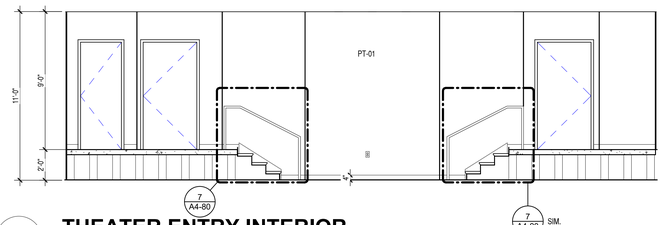
5 RR CORRIDOR WEST
1/4" = 1'-0"



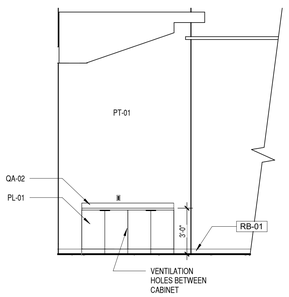
4 RESTROOM CORRIDOR MURAL WALL
1/4" = 1'-0"



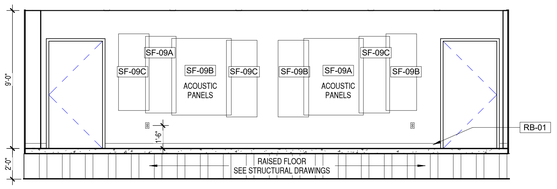
3 THEATER STAGE WALL
1/4" = 1'-0"



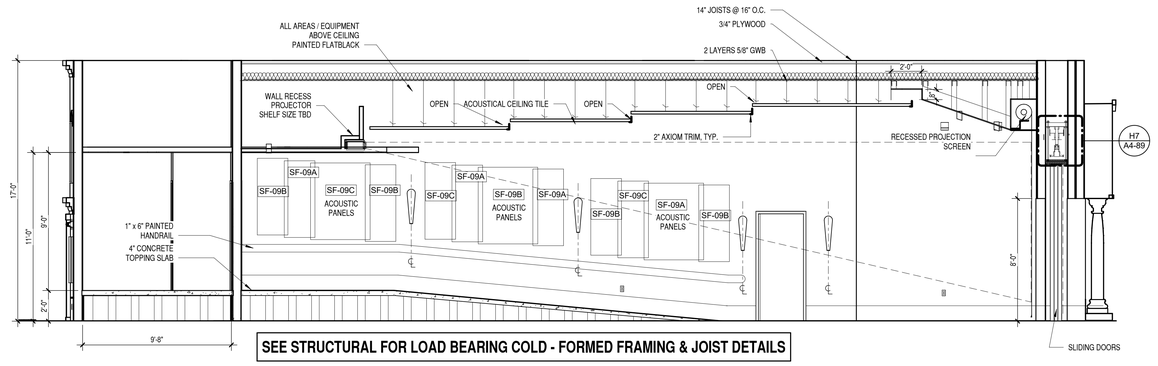
11 THEATER ENTRY INTERIOR
1/4" = 1'-0"



9 AV CONSOLE
1/4" = 1'-0"



2 THEATER BACK WALL
1/4" = 1'-0"



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

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1	02.03.23	ISSUE FOR CONSTRUCTION

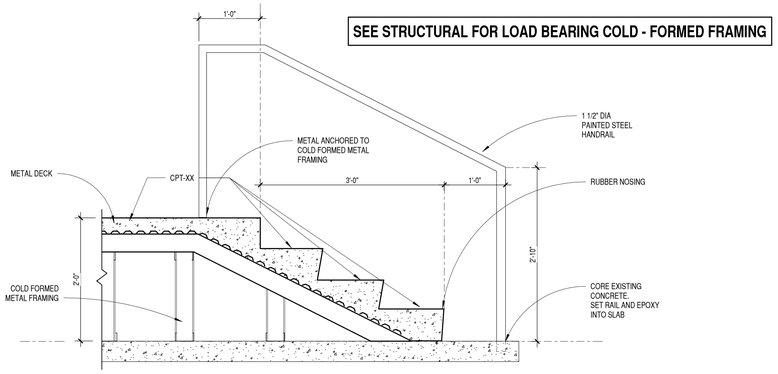
STATE OF GEORGIA
SCOTT T. NORMAN
2/3/2023
CERTIFICATE NO. 32000
REGISTERED ARCHITECT

ISSUED FOR CONSTRUCTION

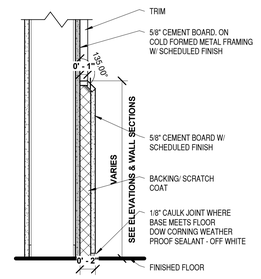
INTERIOR ELEVATIONS - MISC.

JUNIOR ACHIEVEMENT
4395 RIVER WATCH PARKWAY
EVANS, GA 30809

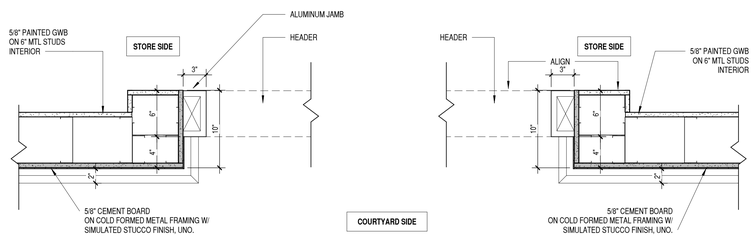
COMMISSION NO: 22_024
DRAWING NO:
A4-56



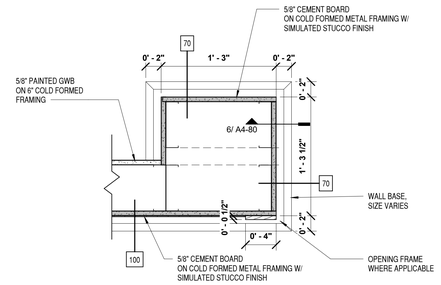
7 SECTION AT THEATER STAIR
1" = 1'-0"



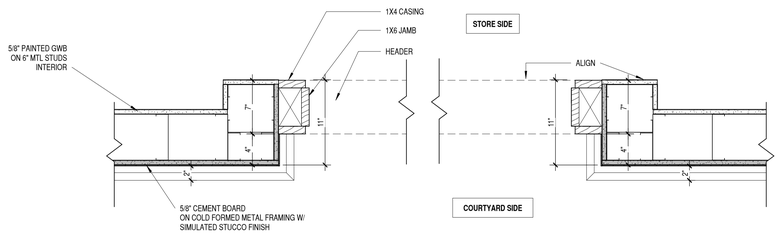
6 STUCCO WALL BASE, TYP.
1 1/2" = 1'-0"



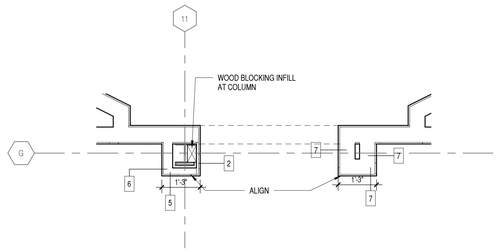
5 ALUMINUM JAMB AT STORES
1 1/2" = 1'-0"



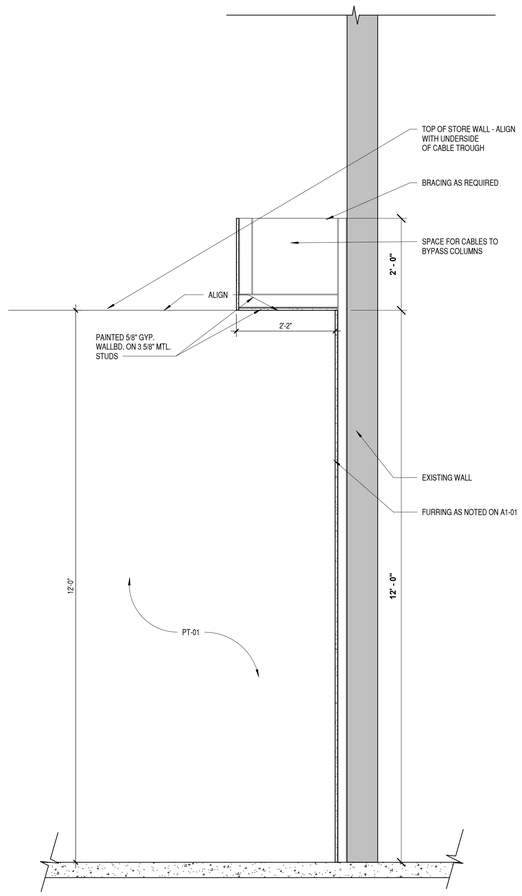
4 STUCCO JAMB AT STORES
1 1/2" = 1'-0"



3 PAINTED WOOD CASING
1 1/2" = 1'-0"



2 STORE 14 ENTRY
1/2" = 1'-0"



1 CABLE TROUGH SECTION
3/4" = 1'-0"

RULE JOY TRAMMELL | RUBIO, LLC
ARCHITECTURE | INTERIOR DESIGN
300 Galleria Parkway Suite 740 Atlanta, Georgia 30339
770-661-1492 (phone) 770-661-1493 (fax)
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Rev #	Date	Issue/Revision
1	02.03.23	ISSUE FOR CONSTRUCTION

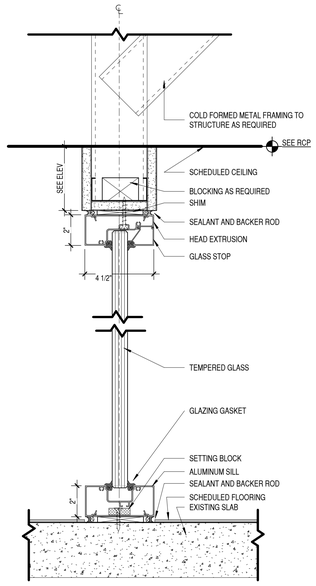
ISSUED FOR CONSTRUCTION

INTERIOR DETAILS

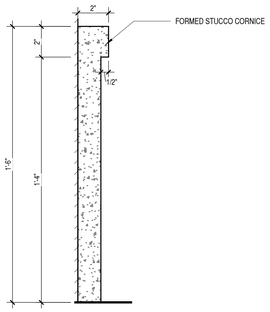
JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

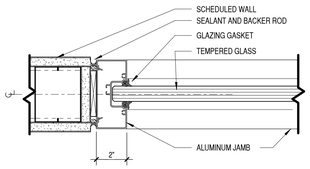
COMMISSION NO: 22_024
DRAWING NO:
A4-80



12 HEAD/SILL INTERIOR STOREFRONT
3" = 1'-0"



11 BASE AT HOUSE
3" = 1'-0"



14 ALUM. STOREFRONT JAMB
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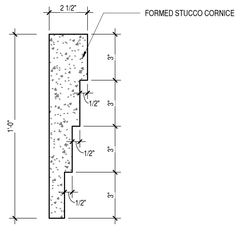
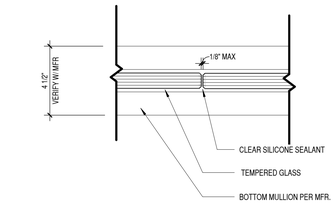
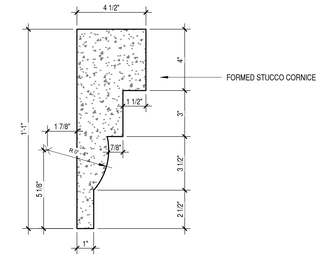


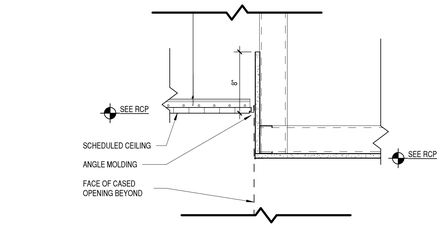
10 STORE 5 CORNICE
3" = 1'-0"



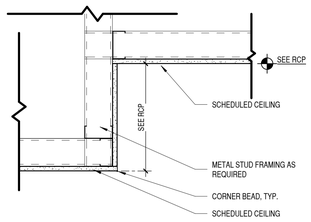
13 GLASS BUTT JOINT
3" = 1'-0"



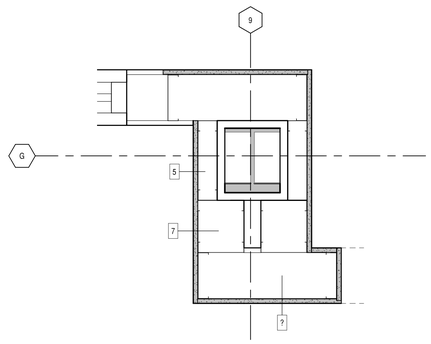
9 STORE 6 CORNICE
3" = 1'-0"



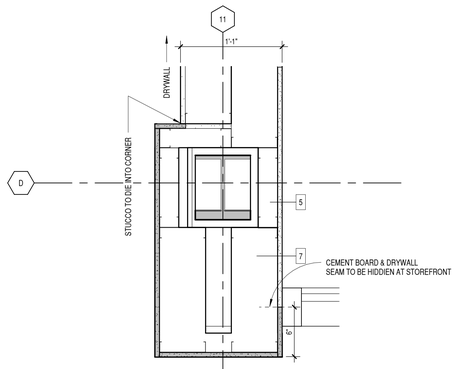
8 SOFFIT GWB/ACT
1 1/2" = 1'-0"



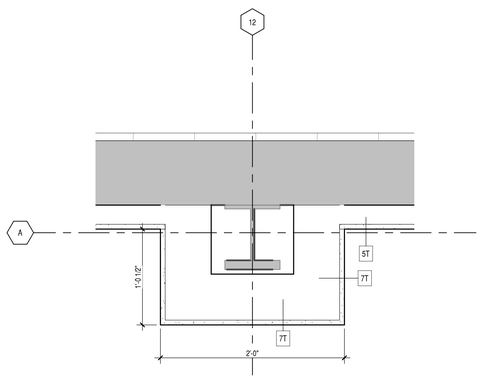
7 SOFFIT GWB/GWB
1 1/2" = 1'-0"



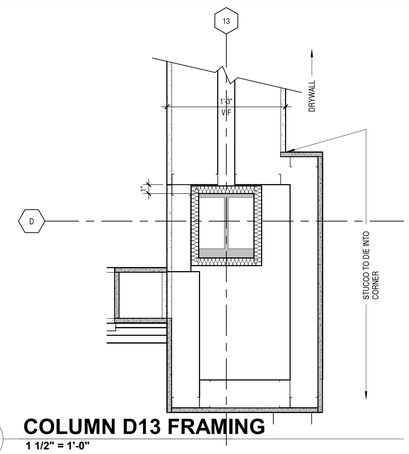
6 COLUMN G9 FRAMING
1 1/2" = 1'-0"



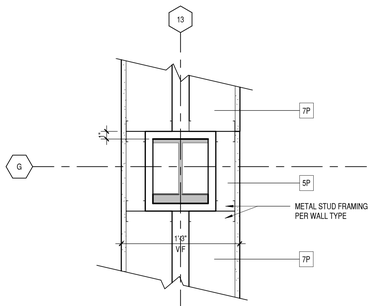
5 COLUMN D11 FRAMING
1 1/2" = 1'-0"



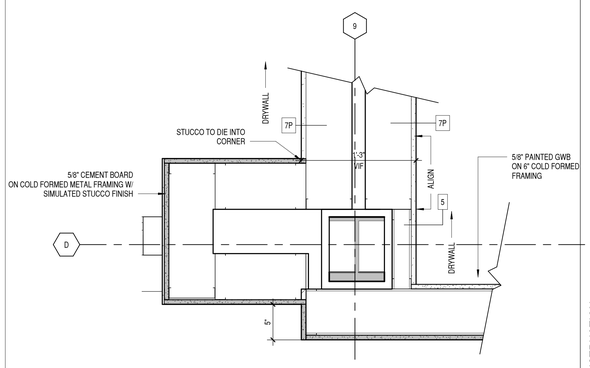
4 TYPICAL COLUMN COVER
1 1/2" = 1'-0"



3 COLUMN D13 FRAMING
1 1/2" = 1'-0"



2 COLUMN G13 FRAMING
1 1/2" = 1'-0"



1 COLUMN D9 FRAMING
1 1/2" = 1'-0"

RULE JOY TRAMMELL RUBIO LLC
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Rev #	Date	Issue/Revision
1	02.03.23	ISSUE FOR CONSTRUCTION

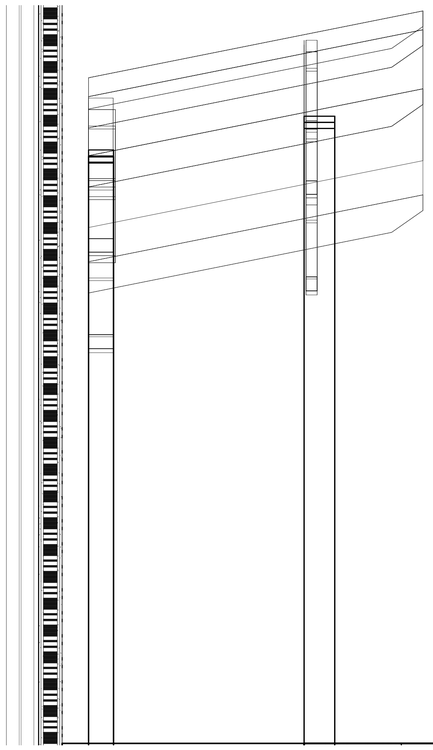
STATE OF GEORGIA
SCOTT T. NORMAN
2/3/2023
CERTIFICATE NO. 32887
REGISTERED ARCHITECT

ISSUED FOR CONSTRUCTION

INTERIOR DETAILS

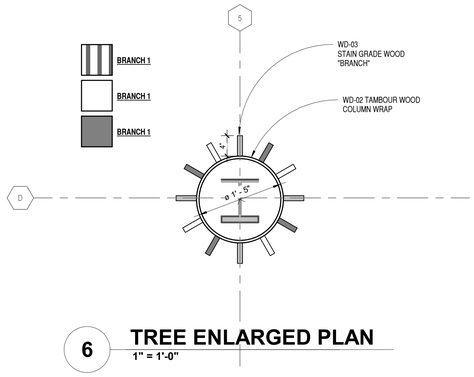
JUNIOR ACHIEVEMENT
4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024
DRAWING NO:
A4-81

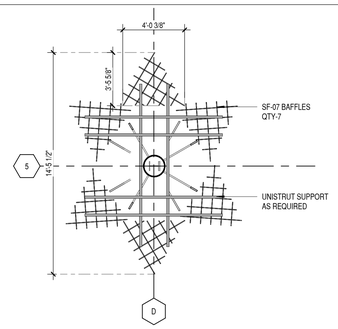


SEE STUCTURAL DRAWINGS

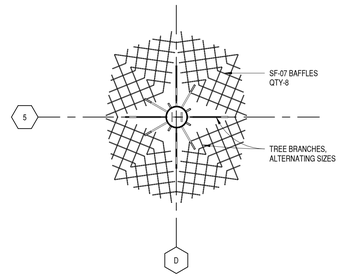
9 BANDSHELL FACADE
3/4" = 1'-0"



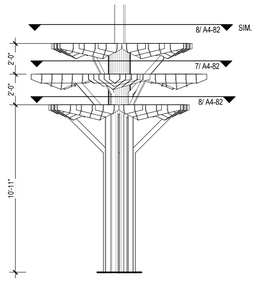
6 TREE ENLARGED PLAN
1" = 1'-0"



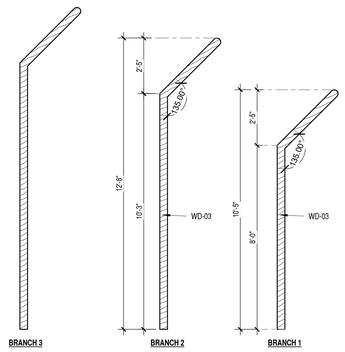
7 MIDDLE TREE PLAN
1/4" = 1'-0"



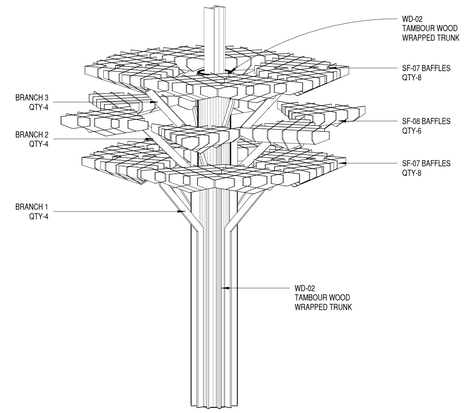
8 LOWER & UPPER TREE PLAN
1/4" = 1'-0"



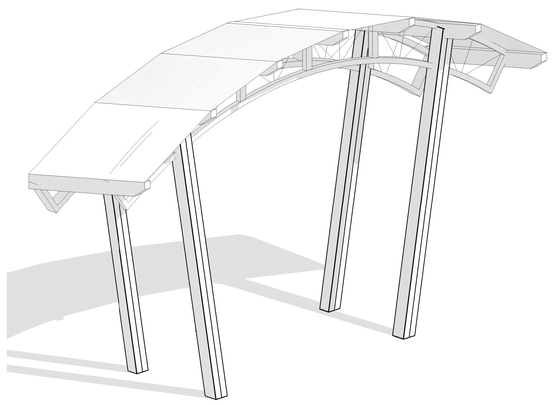
5 TREE ELEVATION
1/4" = 1'-0"



4 TREE BRANCHES
3/8" = 1'-0"

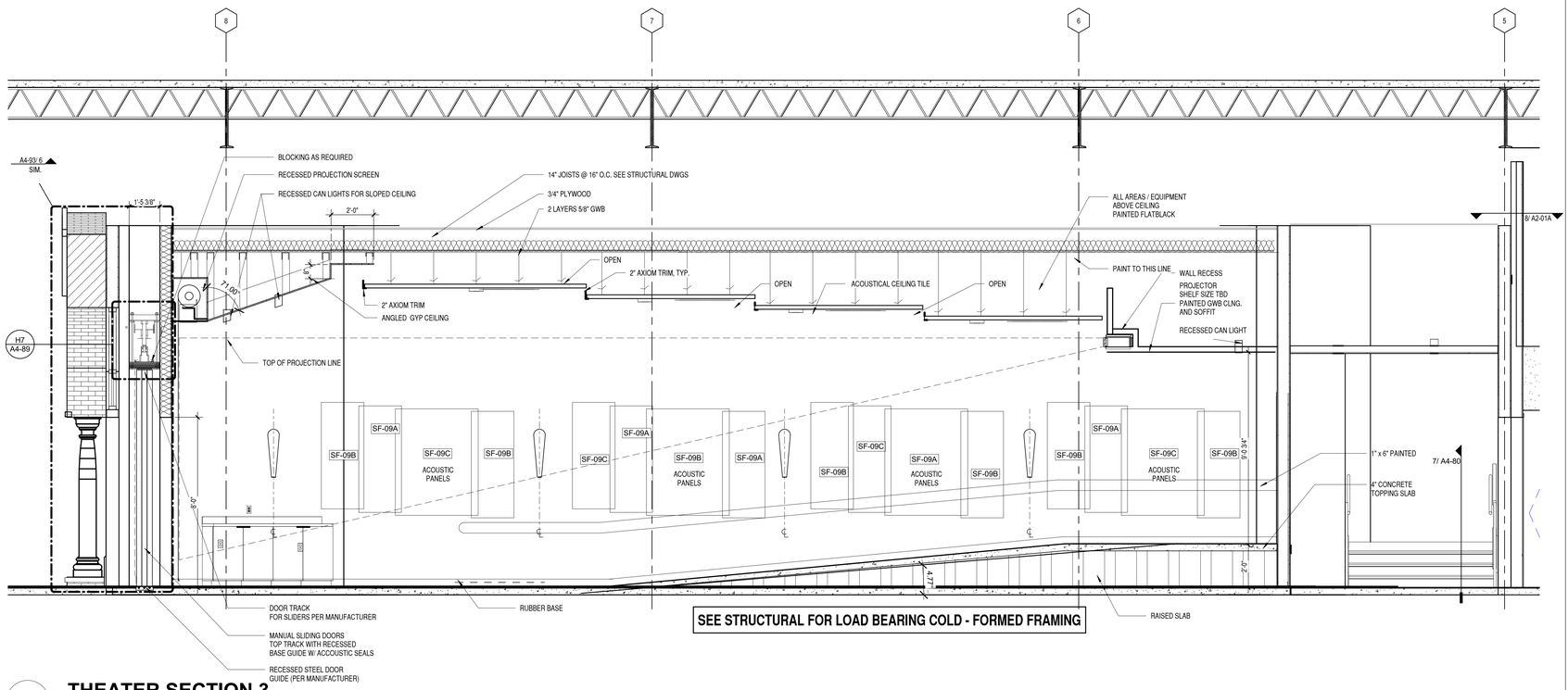


3 TREE AXON



SEE STRUCTURAL DRAWINGS

2 BANDSHELL



SEE STRUCTURAL FOR LOAD BEARING COLD - FORMED FRAMING

1 THEATER SECTION 3
3/8" = 1'-0"

RULE JOY TRAMMELL RUBIO LLC
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Rev #	Date	Issue/Revision
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STATE OF GEORGIA
SCOTT T. NORMAN
CERTIFICATE NO. 32
REGISTERED ARCHITECT
Scott T. Norman
2/3/2023

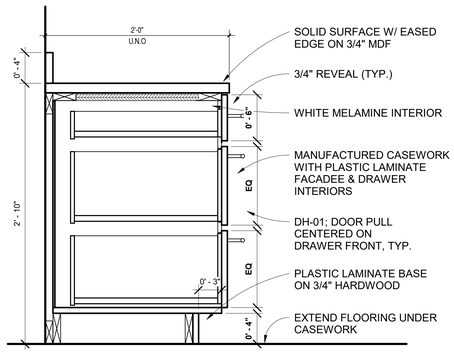
ISSUED FOR CONSTRUCTION

INTERIOR DETAILS

JUNIOR ACHIEVEMENT

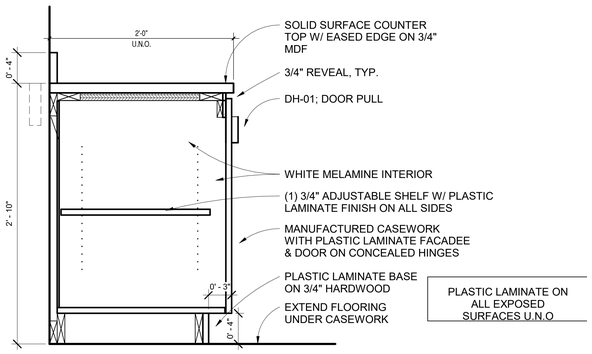
4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024
DRAWING NO:
A4-82



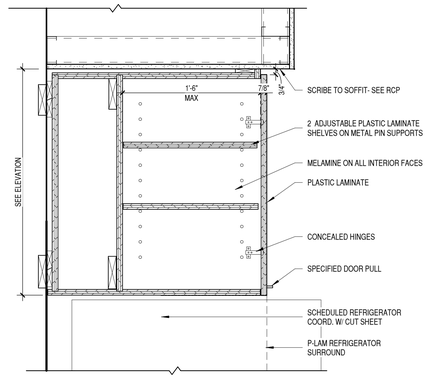
13 3 DRAWER CABINET

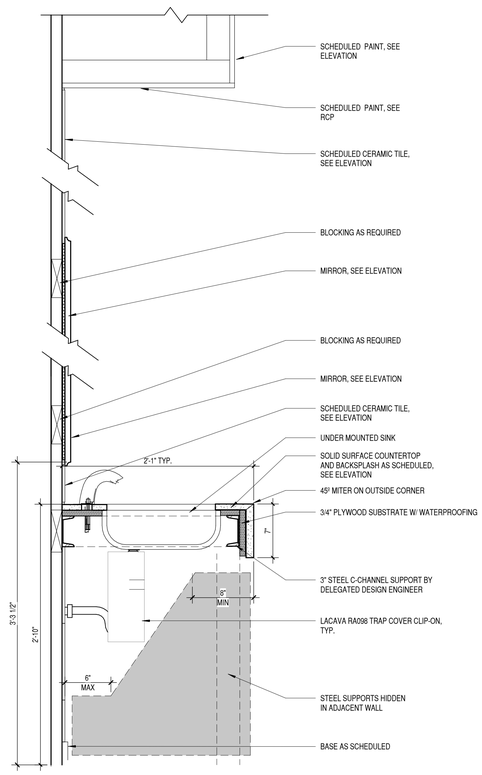
1 1/2" = 1'-0"



12 SECTION AT BASE CABINET W/ NO DRAWER

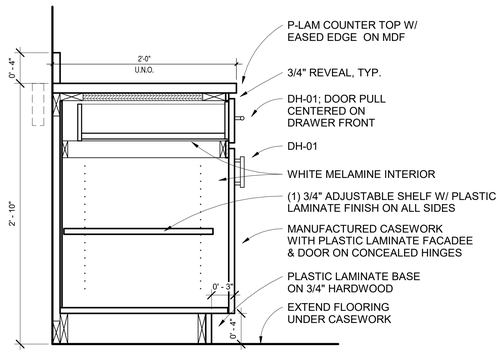
1 1/2" = 1'-0"





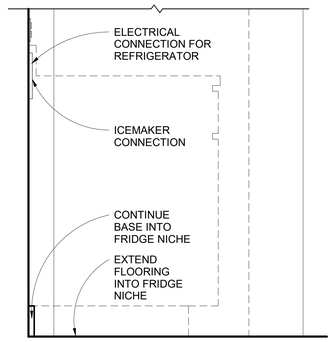
8 SECTION @ RESTROOM VANITY

1 1/2" = 1'-0"



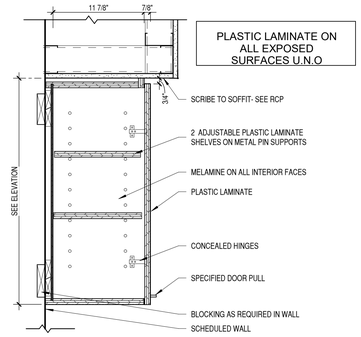
11 BASE CABINET WITH P-LAM TOP

1 1/2" = 1'-0"



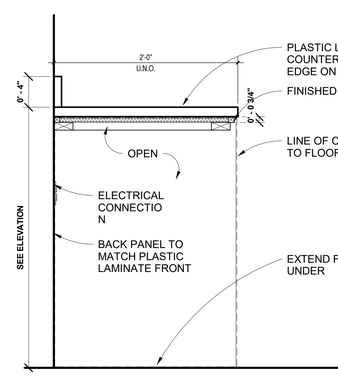
10 SECTION @ REFRIGERATOR SURROUND

1 1/2" = 1'-0"



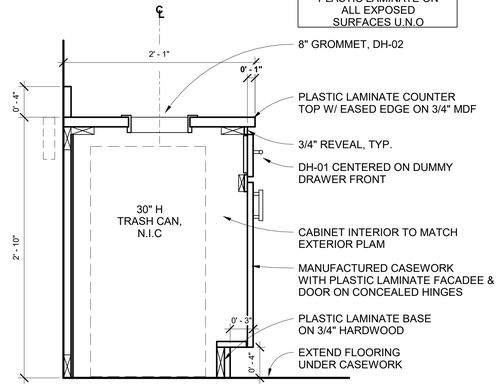
9 UPPER CABINET - SOFFIT

1 1/2" = 1'-0"



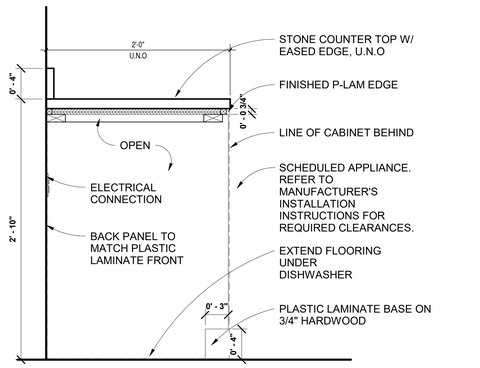
6 OPEN KNEE SPACE AT WELLNESS

1 1/2" = 1'-0"



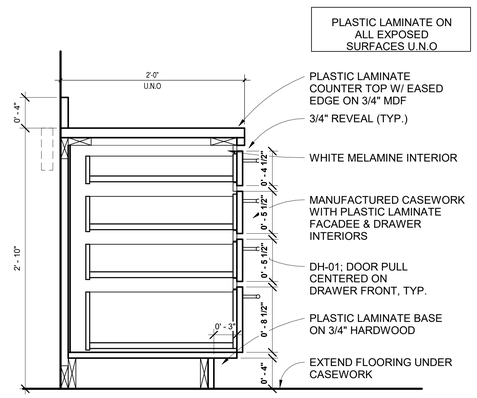
5 SECTION @ MILLWORK TRASH DROP

1 1/2" = 1'-0"



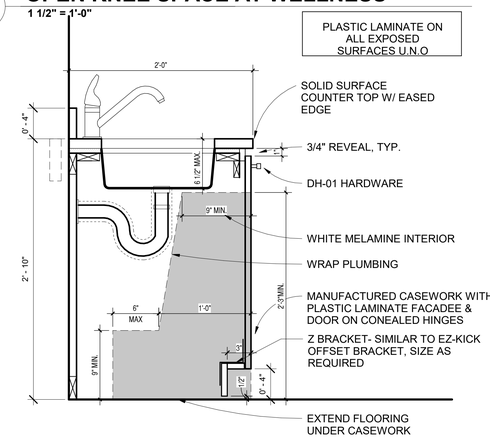
4 SECTION @ EQUIPMENT

1 1/2" = 1'-0"



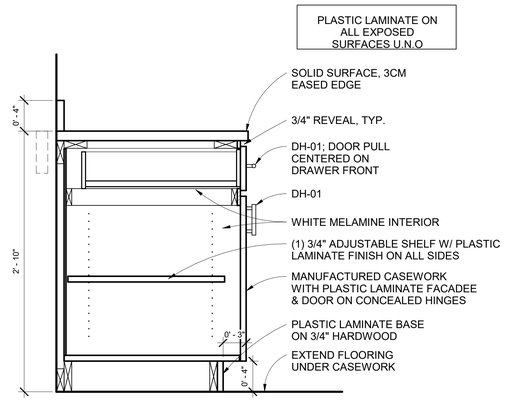
3 SECTION @ WELNESS DRAWERS

1 1/2" = 1'-0"



2 SECTION @ SINK

1 1/2" = 1'-0"



1 SECTION @ MILLWORK TYP.

1 1/2" = 1'-0"

RJTR
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STATE OF GEORGIA
SCOTT T. NORMAN
CERTIFICATE NO. 029
REGISTERED ARCHITECT
Scott T. Norman
2/3/2023

ISSUED FOR CONSTRUCTION

INTERIOR DETAILS - MILLWORK

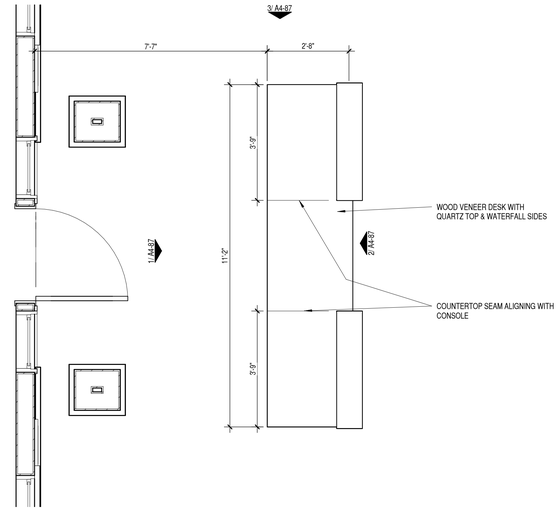
JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

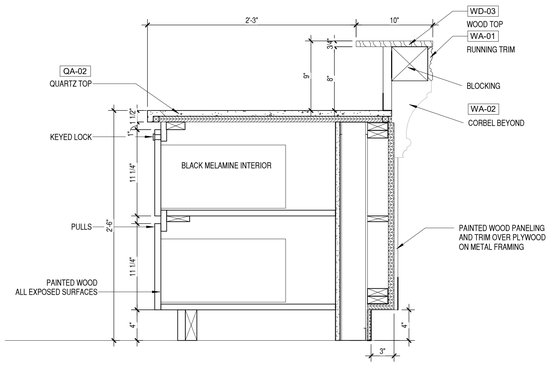
COMMISSION NO: 22_024

DRAWING NO:

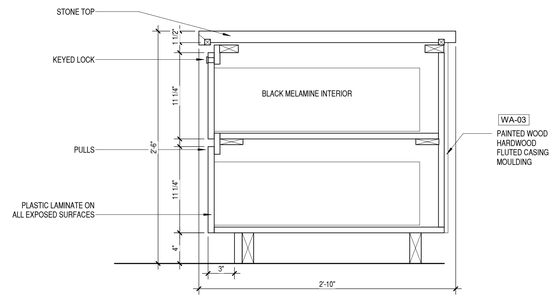
A4-86



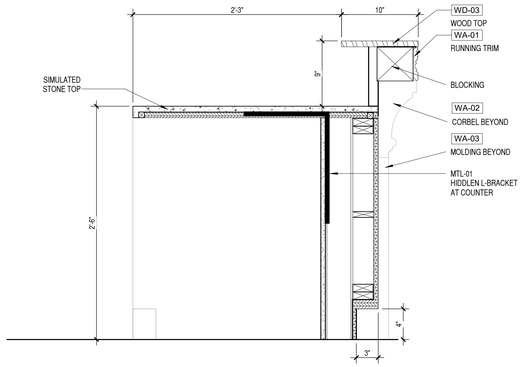
7 **RECEPTION DESK**
1/2" = 1'-0"



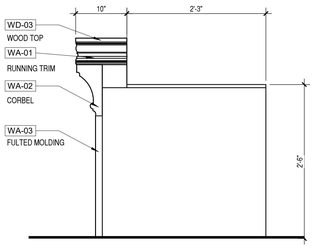
6 **DESK STORAGE**
1 1/2" = 1'-0"



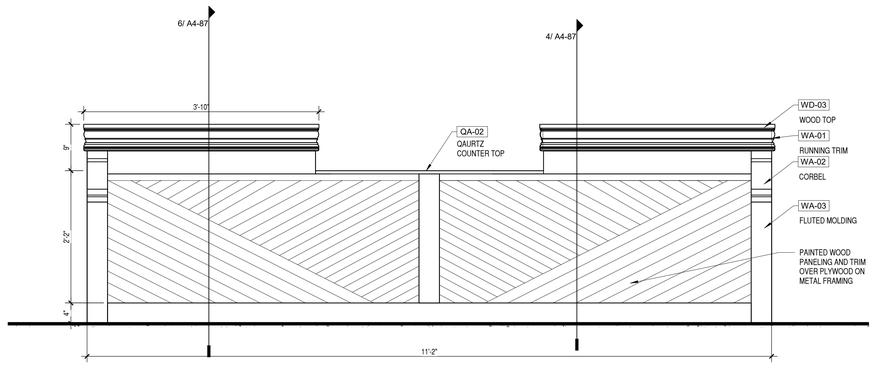
5 **DESK DRAWER**
1 1/2" = 1'-0"



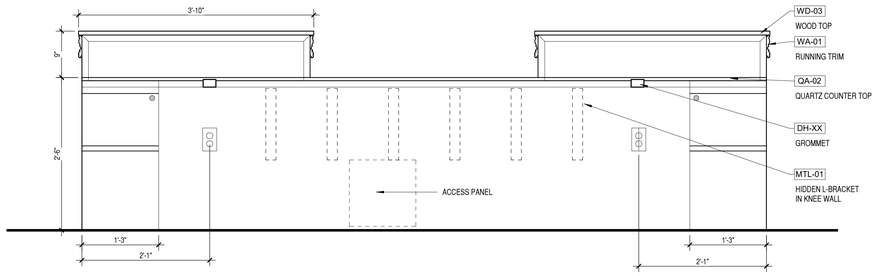
4 **DESK AT KNEE WALL**
1 1/2" = 1'-0"



3 **DESK NORTH**
1" = 1'-0"



2 **DESK FRONT**
1" = 1'-0"



1 **DESK BACK**
1" = 1'-0"

RULE JOY TRAMMELL | RUBIO, LLC
ARCHITECTURE | INTERIOR DESIGN
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Rev #	Date	Issue/Revision
1	02.03.23	ISSUE FOR CONSTRUCTION

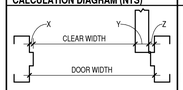
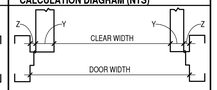
ISSUED FOR CONSTRUCTION

INTERIOR DETAILS - MILLWORK

JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024
DRAWING NO:
A4-87

SINGLE DOOR CLEAR WIDTH CALCULATION DIAGRAM (NTS)	DOUBLE DOOR CLEAR WIDTH CALCULATION DIAGRAM (NTS)
	

VARIABLES
X = ASSUME 1/2"
Y = ASSUME 1-3/4"
Z = ASSUME 3/4"

FORMULA
DOOR WIDTH - (X+Y+Z) = CLEAR WIDTH
X+Y+Z = 3" (GIVEN ASSUMED)

TYPICAL DOOR CLEARANCE TABLE

DOOR WIDTH	CLEAR WIDTH	CALCULATION
36"	33"	36"-(3") = 33"
42"	39"	42"-(3") = 39"
48"	45"	48"-(3") = 45"

VARIABLES
Y = ASSUME 1-3/4"
Z = ASSUME 3/4"

FORMULA
DOOR WIDTH - ((Y+Z)*2) = CLEAR WIDTH
(Y+Z)*2 = 5" (GIVEN ASSUMED)

TYPICAL DOOR CLEARANCE TABLE

DOOR WIDTH	CLEAR WIDTH	CALCULATION
48"	43"	48"-(5") = 43"
60"	55"	60"-(5") = 55"
72"	67"	72"-(5") = 67"

ABBREVIATIONS

HM - HOLLOW METAL
GL - GLASS
WD - WOOD
ST - STAINED
PTD - PAINTED
ALUM - ALUMINIUM
SS - STAINLESS STEEL

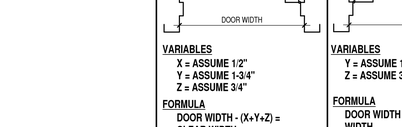
GENERAL NOTES

1.CONFIRM HARDWARE NEEDS WITH OWNER.
2. SEE LIFE SAFETY SHEETS FOR DOOR RATING INFORMATION.
3. ALL DOORS TO BE SOLID CORE, U.N.O.
4. CONTRACTOR TO VERIFY DOOR DIMENSIONS AND OPENINGS IN THE FIELD, NOTIFY ARCHITECT OF ANY DISCREPANCIES.
5. CONTRACTOR TO REVIEW CYLINDER REQUIREMENTS & COORDINATE KEYING SCHEDULE WITH OWNER.
6. CONTRACTOR SHALL COORDINATE ALL SECURITY REQUIREMENTS WITH THE OWNER AND THE SECURITY CONSULTANT PRIOR TO THE FABRICATION AND INSTALLATION OF DOORS AND FRAMES.
7. ALL MAGNETIC LOCKS & ELETRIC LOCKSETS ARE TO BE PERMITTED SEPARATELY BY THE OWNERS SECURITY VENDOR. ALL DOORS TO RECEIVE ELECTRO-MAGNETIC LOCKS SHALL COMPLY WITH THE FOLLOWING CRITERIA:
   a. THE DOOR SHALL UNLOCK WITH THE ACTIVATION OF THE BUILDING FIRE DETECTION OR SPRINKLER SYSTEM.
   b. THE DOOR SHALL UNLOCK UPON OR IF ABNORMAL CONDITIONS IN THE SUPERVISORY SYSTEMS OF THE BUILDING FIRE DETECTION OR SPRINKLER SYSTEM.
   c. THE DOOR SHALL BE "FAIL SAFE" - UNLOCK WITH THE LOSS OF POWER TO THE LOCK OR LOSS OF POWER TO THE BUILDING.
   d. THE ELECTRO-MAGNETIC LOCK SHALL NOT HAVE BACK-UP POWER.
   e. A MOTION SENSOR AND PNEUMATIC BYPASS PUSH BUTTON SWITCH MARKED "PUSH TO EXIT" THAT UNLOCKS THE DOOR SHALL INTERRUPT POWER TO THE LOCK FOR A MINIMUM OF 30 SECONDS.
   f. PROVIDE KEY OVERRIDE SWITCH AT THE SECURE SIDE OF THE DOOR.
8. CONTRACTOR TO PROVIDE A STRIKE BOX AT ALL DOOR STRIKES.
9. ALL CLOSERS SHALL BE ADJUSTED SO THAT THE MAXIMUM OPENING FORCE AND THE SWEEP PERIOD SHALL COMPLY WITH THE ADA/TAS REQUIREMENTS.
10. PROVIDE REQUIRED ACCESSIBLE CLEARANCES AT ALL DOORS.
11. ALL PAINTED DOOR FRAMES ARE TO MATCH THE COLOR OF THE WALL, SEMI GLOSS FINISH.
12. ALL DOOR HARDWARE SHOULD BE COORDINATED WITH SECURITY VENDOR. REFER TO SECURITY VENDOR DRAWINGS FOR ADDITIONAL LOCATIONS, INFORMATION, ETC.

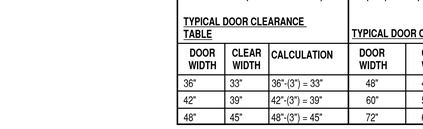
DOOR SCHEDULE - NEW DOORS

IP-DOOR NUMBER	IP-ROOM NAME	DOOR WIDTH	DOOR HEIGHT	DOOR THICKNESS	DOOR FINISH	TP-DOOR TYPE	FRAME FRAME TYPE	FRAME MATERIAL	FRAME FINISH	DETAILS JAMB	DETAILS HEAD	HARDWARE SET NO.	IP-FIRE RATING	IP-DR-LOCK	IP-DR-CARD READER	Comments
		2' - 8"		1"										No	No	
01C	EXTERIOR VESTIBULE 001	6' - 0"		1 3/4"		D								Yes	Yes	
01D	EXTERIOR VESTIBULE 001	5' - 11"		1 3/4"		D								Yes	Yes	
27B	WOMEN'S RR 031	3' - 0"		1 3/4"		B								No	No	
AL																
01A	EXTERIOR VESTIBULE 001	6' - 0"	8'-0" FRAME HT.	1 3/4"	ALUMINUM/ GLASS	D		AL	CLEAR ANNODIZED ALUMINUM	J1	H1			Yes	Yes	VERIFY CARD READER W/ LOW VOLTAGE DWGS
01B	VESTIBULE 001	6' - 0"	8'-0" FRAME HT.	1 3/4"	ALUMINUM/ GLASS	D		AL	CLEAR ANNODIZED ALUMINUM	J1	H1			Yes	Yes	VERIFY CARD READER W/ LOW VOLTAGE DWGS
27	RESTROOM CORRIDOR	6' - 0"	8'-0" FRAME HT.	1 3/4"	BLACK ANNO. ALUMINUM/ GLASS	D		AL	BLACK ANNODIZED ALUMINUM	J1	H1			No	No	
37	NATIONAL BOARDROOM 037	6' - 0"	7'-0" FRAME HT.	1 3/4"	ALUMINUM/ GLASS	D		AL	CLEAR ANNODIZED ALUMINUM	J1	H1			No	No	
40A	CLASSROOM 040	6' - 0"	8'-0" FRAME HT.	1 3/4"	ALUMINUM/ GLASS	D		AL	CLEAR ANNODIZED ALUMINUM	J1	H1			No	No	
40B	CLASSROOM 040	6' - 0"	8'-0" FRAME HT.	1 3/4"	ALUMINUM/ GLASS	D		AL	CLEAR ANNODIZED ALUMINUM	J1	H1			No	No	
40C	CLASSROOM 040	3' - 0"	8'-0" FRAME HT.	1 3/4"	ALUMINUM/ GLASS	A		AL	CLEAR ANNODIZED ALUMINUM	J1	H1			No	No	
41	CONFERENCE 041	6' - 0"	8'-0" FRAME HT.	1 3/4"	ALUMINUM/ GLASS	D		AL	CLEAR ANNODIZED ALUMINUM	J1	H1			No	No	
43A	CONFERENCE 043	3' - 0"	8'-0" FRAME HT.	1 3/4"	ALUMINUM/ GLASS	A		AL	CLEAR ANNODIZED ALUMINUM	J1	H1			No	No	
43B	CONFERENCE 043	3' - 0"	8'-0" FRAME HT.	1 3/4"	ALUMINUM/ GLASS	A		AL	CLEAR ANNODIZED ALUMINUM	J1	H1			Yes	No	
44A	STAFF CORRIDOR	6' - 0"	8'-0" FRAME HT.	1 3/4"	ALUMINUM/ GLASS	D		AL	CLEAR ANNODIZED ALUMINUM	J1	H1			Yes	Yes	VERIFY CARD READER W/ LOW VOLTAGE DWGS
44A	STAFF CORRIDOR	6' - 0"	8'-0" FRAME HT.	1 3/4"	ALUMINUM/ GLASS	D		AL	CLEAR ANNODIZED ALUMINUM	J1	H1			Yes	Yes	VERIFY CARD READER W/ LOW VOLTAGE DWGS
44B	EXIT DOOR	6' - 0"	8'-0" FRAME HT.	1 3/4"	ALUMINUM/ GLASS	D		AL	CLEAR ANNODIZED ALUMINUM	J1	H1			Yes	Yes	VERIFY CARD READER W/ LOW VOLTAGE DWGS
45	LOUNGE 045	3' - 0"	8'-0" FRAME HT.	1 3/4"	ALUMINUM/ GLASS	A		AL	CLEAR ANNODIZED ALUMINUM	J1	H1			No	No	
46	BREAK ROOM 046	3' - 0"	8'-0" FRAME HT.	1 3/4"	ALUMINUM/ GLASS	A		AL	CLEAR ANNODIZED ALUMINUM	J1	H1			No	No	
48	STAFF EXIT CORRIDOR	3' - 0"	8'-0" FRAME HT.	1 3/4"	ALUMINUM/ GLASS	A		AL	CLEAR ANNODIZED ALUMINUM	J1	H1		0	Yes	Yes	VERIFY CARD READER W/ LOW VOLTAGE DWGS
51	EXIT DOOR	7' - 0"	8'-0" FRAME HT.	1 3/4"	ALUMINUM/ GLASS			AL	CLEAR ANNODIZED ALUMINUM	J1	H1			Yes	Yes	VERIFY CARD READER W/ LOW VOLTAGE DWGS
HM																
03	HOUSE DOOR (STOR. 003)	3' - 0"	7'-0"	1 3/4"	PAINTED, SCW	C		HM	PAINTED	J2	H2			No	No	
04	BOX OFFICE	1' - 6"	7'-0"	1 3/4"	PAINTED, SCW	B		HM	PAINTED					No	No	
05	THEATER STORAGE 05A	2' - 8"	7'-0"	1 3/4"	VENEER, SCW	B		HM	PAINTED	J2	H2			No	No	
06A	THEATER ENTRY 005	3' - 6"	7'-0"	1 3/4"	VENEER, SCW	B		HM	PAINTED	J2	H2			No	No	
06B	THEATER ENTRY 005	3' - 6"	7'-0"	1 3/4"	VENEER, SCW	B		HM	PAINTED	J2	H2			No	No	
06C	THEATER 006	3' - 0"	7'-0"	1 3/4"	VENEER, SCW	B		HM	PAINTED	J2	H2			No	No	
12	EXIT CORRIDOR 012	7' - 0"	7'-0"	1 3/4"	PAINTED, SCW			HM	PAINTED	J2	H2		0	Yes	Yes	VERIFY CARD READER W/ LOW VOLTAGE DWGS
29	MEN'S RR. 029	3' - 0"	7'-0"	1 3/4"	VENEER, SCW	B		HM	PAINTED	J2	H2			No	No	
029	MEN'S RR VEST.	3' - 0"	7'-0"		FRAME ONLY	N/A		HM	PAINTED	J2	H2			No	No	CASED OPENING
31	WOMEN'S RR 031	3' - 0"	7'-0"	1 3/4"	VENEER, SCW	B		HM	PAINTED	J2	H2			No	No	
33	WELLNESS 033	3' - 0"	7'-0"	1 3/4"	VENEER, SCW	B		HM	PAINTED	J2	H2			Yes	No	PRIVACY SET W/ OCCUPANCY INDICATOR
34	UNISEX RESTROOM 034	3' - 0"	7'-0"	1 3/4"	VENEER, SCW	B		HM	PAINTED	J2	H2			Yes	No	PRIVACY SET W/ OCCUPANCY INDICATOR
35	UNISEX RESTROOM 035	3' - 0"	7'-0"	1 3/4"	VENEER, SCW	B		HM	PAINTED	J2	H2			Yes	No	PRIVACY SET W/ OCCUPANCY INDICATOR
36	JANITOR 036	3' - 0"	7'-0"	1 3/4"	VENEER, SCW	B		HM	PAINTED	J2	H2			Yes	No	
49	AV 049	3' - 0"	7'-0"	1 3/4"	VENEER, SCW	B		HM	PAINTED	J2	H2			Yes	Yes	VERIFY CARD READER W/ LOW VOLTAGE DWGS
52	STORAGE 052	6' - 0"	7'-0"	1 3/4"	VENEER, SCW	E		HM	PAINTED	J2	H2		45	Yes	Yes	VERIFY CARD READER W/ LOW VOLTAGE DWGS
54	ELECTRICAL 054	3' - 0"	7'-0"	1 3/4"	VENEER, SCW	B		HM	PAINTED	J2	H2			Yes	No	
56A	EXIT CORRIDOR 056	6' - 0"	7'-0"	1 3/4"	VENEER, SCW	E		HM	PAINTED	J2	H2		90	Yes	Yes	VERIFY CARD READER W/ LOW VOLTAGE DWGS
58	APS ELECTRICAL 058	6' - 0"	7'-0"	1 3/4"	PAINTED, SCW	E		HM	PAINTED	J2	H2			Yes	No	
(* NOTE - CLOSERS AND STOPS REQUIRED AT ALL DOORS. KICK PLATES REQUIRED AT WOOD DOORS. COORDINATE CONSTRUCTION CORES WITH BUILDING SECURITY / MAINTENANCE AND SECURITY VENDOR.														Yes	No	VERIFY EXISTING LOCK / HARDWARE
SLIDING TRACK BY MFR																
	THEATER SLIDING DOOR	3' - 0"	8'-0"	1 3/4"	WHITEBOARD FINISH	F		SLIDING TRACK BY MFR	CLEAR ANNODIZED ALUMINUM							MODERNFOLD ACOUSTI-SEAL 935 SLIDING PANELS SYSTEM STC 52 MANUALLY OPERATED STEEL PANELS & POCKETING WALL, LOW PROFILE HANDLE
	THEATER SLIDING DOOR	3' - 0"	8'-0"	1 3/4"	WHITEBOARD FINISH	F		SLIDING TRACK BY MFR	CLEAR ANNODIZED ALUMINUM							MODERNFOLD ACOUSTI-SEAL 935 SLIDING PANELS SYSTEM STC 52 MANUALLY OPERATED STEEL PANELS & POCKETING WALL, LOW PROFILE HANDLE

TYPICAL DOOR JAMB CONDITIONS

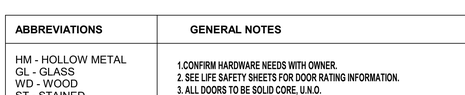


TYPICAL ACCESSIBILITY REQUIREMENT



NOTE: X=12" IF DOOR HAS BOTH A CLOSER AND LATCH.

FRONT APPROACH-SWINGING DOORS SLIDING DOORS AND FOLDING DOORS



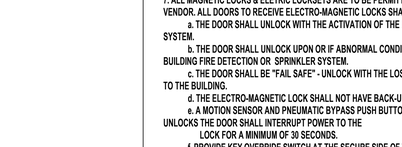
NOTE: ALL DOORS IN ALCOVES SHALL COMPLY WITH THE CLEARANCES FOR FRONT APPROACHES.

NOTE: Y=54" min. IF DOOR HAS CLOSER
NOTE: Y=48" IF DOOR HAS BOTH A CLOSER AND LATCH.

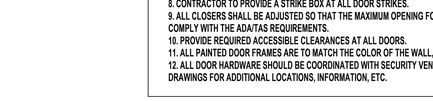
LATCH SIDE APPROACH-SWINGING DOORS SLIDING DOORS AND FOLDING DOORS

TYPICAL ACCESSIBILITY REQUIREMENT

GC NOTE: ALL DOORS SHALL MEET ADA ACCESSIBILIY REQUIREMENTS.

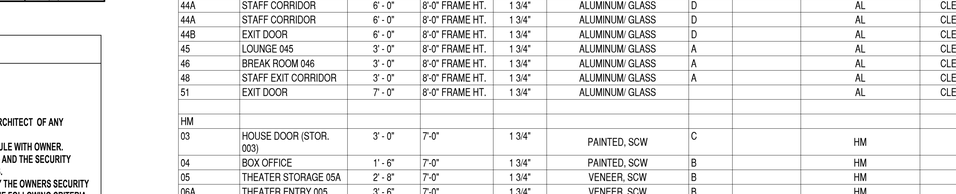


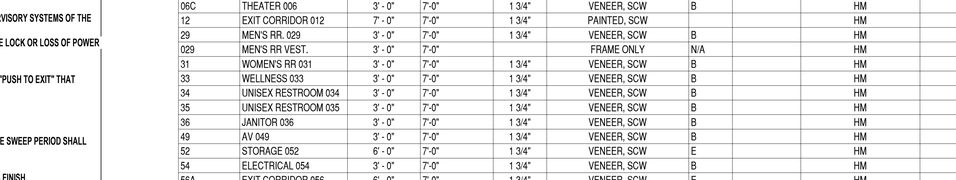
CLEARANCES FOR ALL DOORS IN ACCESSIBLE ROOMS & PATH



NOTE: X=36" min. IF Y=60" X=42" min. IF Y=54"
NOTE: Y=48" IF DOOR HAS BOTH A CLOSER AND LATCH.

HINGE SIDE APPROACH-SWINGING DOORS SLIDING DOORS AND FOLDING DOORS TWO HINGED DOORS IN SERIES



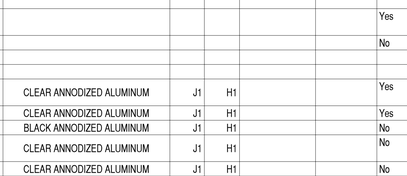


MODERNFOLD ACOUSTI-SEAL 935 SLIDING PANELS SYSTEM STC 52 MANUALLY OPERATED STEEL PANELS

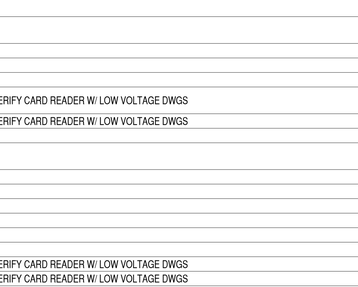
EXTERIOR STOREFRONT

EXTERIOR METAL DOORS

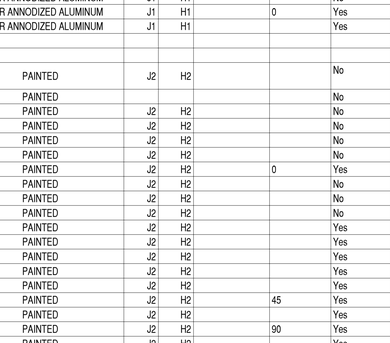
STANDARD DOOR TYPES
1/4" = 1'-0"



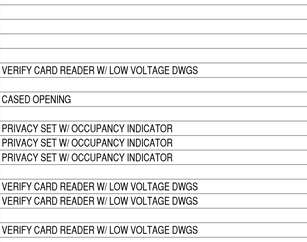
J2 HOLLOW METAL JAMB
3" = 1'-0"



J1 ALUMINUM JAMB
3" = 1'-0"



H2 HOLLOW METAL HEADER
3" = 1'-0"



H1 ALUMINUM HEADER
3" = 1'-0"

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www.rjtrdesign.com

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Rev #	Date	Issue/Revision
1	02.03.23	ISSUE FOR CONSTRUCTION

STATE OF GEORGIA
SCOTT T. NORMAN
2/3/2023
CERTIFICATE NO. 32
REGISTERED ARCHITECT

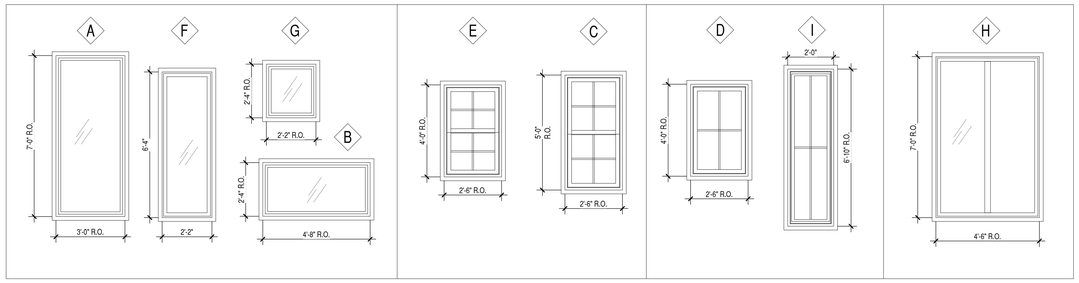
ISSUED FOR CONSTRUCTION

INTERIOR DETAILS - DOOR SCHEDULE & DETAILS

JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

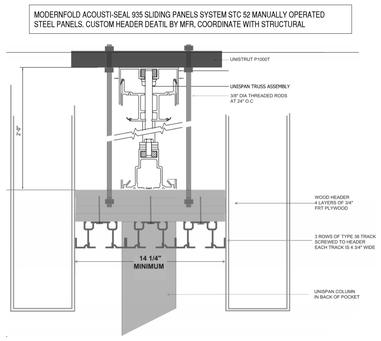
COMMISSION NO: 22_024
DRAWING NO:
A4-88



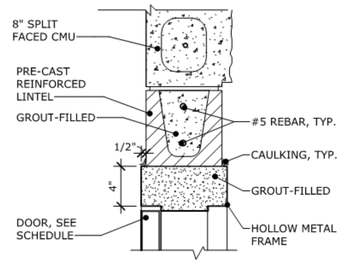
WINDOW LEGEND
3/8" = 1'-0"

WINDOW SCHEDULE - NEW WINDOWS					
Type Mark	Rough Height	Rough Width	MAIN AREA	Comments	Description
A					
A	7' - 0"	3' - 0"	STORE 12		WOOD FRAMED FIXED SNGL WINDOW
A	7' - 0"	3' - 0"	STORE 12		WOOD FRAMED FIXED SNGL WINDOW
A	7' - 0"	3' - 0"	STORE 16		WOOD FRAMED FIXED SNGL WINDOW
A	7' - 0"	3' - 0"	STORE 16		WOOD FRAMED FIXED SNGL WINDOW
B					
B	2' - 4"	4' - 8"	STORE 6		WOOD FRAMED FIXED SNGL WINDOW
B	2' - 4"	4' - 8"	STORE 7		WOOD FRAMED FIXED SNGL WINDOW
C					
C	5' - 0"	2' - 6"	ENTRY HOUSE		WOOD FRAMED, DOUBLE HUNG, PANED
C	5' - 0"	2' - 6"	ENTRY HOUSE		WOOD FRAMED, DOUBLE HUNG, PANED
D					
D	4' - 0"	2' - 6"	BOARD ROOM		WOOD FRAMED FIXED SNGL WINDOW, PANED
D	4' - 0"	2' - 6"	BOARD ROOM		WOOD FRAMED FIXED SNGL WINDOW, PANED
D	4' - 0"	2' - 6"	BOARD ROOM		WOOD FRAMED FIXED SNGL WINDOW, PANED
D	4' - 0"	2' - 6"	BOARD ROOM		WOOD FRAMED FIXED SNGL WINDOW, PANED
D	4' - 0"	2' - 6"	BOARD ROOM		WOOD FRAMED FIXED SNGL WINDOW, PANED
D	4' - 0"	2' - 6"	THEATER		WOOD FRAMED FIXED SNGL WINDOW, PANED
D	4' - 0"	2' - 6"	THEATER		WOOD FRAMED FIXED SNGL WINDOW, PANED
D	4' - 0"	2' - 6"	THEATER		WOOD FRAMED FIXED SNGL WINDOW, PANED
D	4' - 0"	2' - 6"	THEATER		WOOD FRAMED FIXED SNGL WINDOW, PANED
E					
E	4' - 0"	2' - 6"	ENTRY HOUSE		WOOD FRAMED, DOUBLE HUNG, PANED
E	4' - 0"	2' - 6"	ENTRY HOUSE		WOOD FRAMED, DOUBLE HUNG, PANED
E	4' - 0"	2' - 6"	ENTRY HOUSE		WOOD FRAMED, DOUBLE HUNG, PANED
F					
F	2' - 2"	6' - 4"	STORE 6		WOOD FRAMED FIXED SNGL WINDOW
F	2' - 2"	6' - 4"	STORE 6		WOOD FRAMED FIXED SNGL WINDOW
F	2' - 2"	6' - 4"	STORE 7		WOOD FRAMED FIXED SNGL WINDOW
F	2' - 2"	6' - 4"	STORE 7		WOOD FRAMED FIXED SNGL WINDOW
G					
G	1' - 2"	2' - 0"	BOARD ROOM		WOOD FRAMED FIXED SNGL WINDOW
G	2' - 4"	2' - 2"	STORE 6		WOOD FRAMED FIXED SNGL WINDOW
G	2' - 4"	2' - 2"	STORE 6		WOOD FRAMED FIXED SNGL WINDOW
G	2' - 4"	2' - 2"	STORE 7		WOOD FRAMED FIXED SNGL WINDOW
G	2' - 4"	2' - 2"	STORE 7		WOOD FRAMED FIXED SNGL WINDOW
H					
H	7' - 0"	4' - 6"	STORE 11		WOOD FRAMED FRENCH CASEMENT (CENTER STILE)
H	7' - 0"	4' - 6"	STORE 11		WOOD FRAMED FRENCH CASEMENT (CENTER STILE)
I					
I	6' - 10"	2' - 0"	ENTRY		WOOD FRAMED FIXED SNGL WINDOW, PANED
I	6' - 10"	2' - 0"	ENTRY		WOOD FRAMED FIXED SNGL WINDOW, PANED

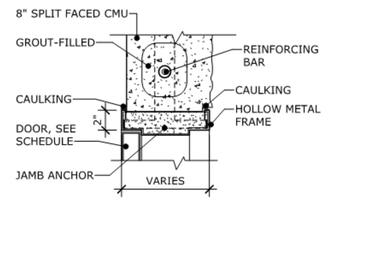
Grand total: 33



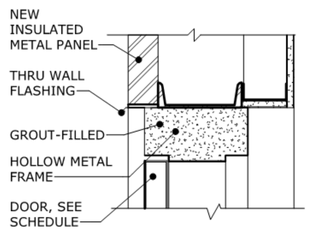
H7 DOUBLE SLIDING DOOR TRACK
NOT TO SCALE



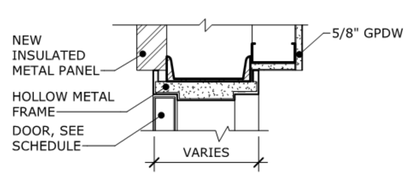
H6 HEADER AT CMU - HM
NOT TO SCALE



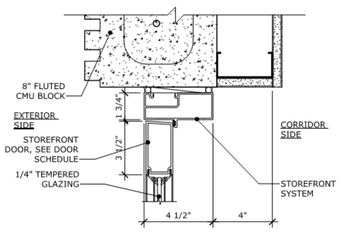
J6 JAMB AT CMU - HM
NOT TO SCALE



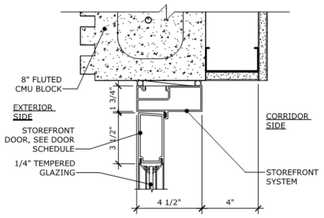
H5 HEADER AT METAL PANEL- HM
NOT TO SCALE



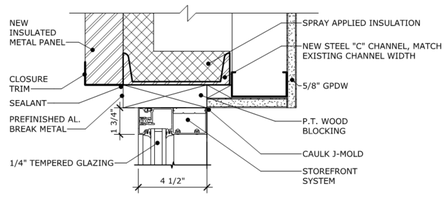
J5 JAMB AT METAL PANEL - HM
NOT TO SCALE



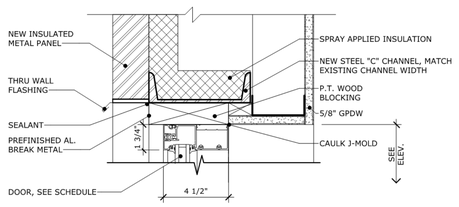
J4 JAMB AT CMU - AL.
3" = 1'-0"



H4 HEADER AT CMU - AL.
3" = 1'-0"



J3 JAMB AT METAL PANEL - AL.
3" = 1'-0"



H3 HEADER AT METAL PANEL - AL.
3" = 1'-0"

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Rev #	Date	Issue/Revision
1	02.03.23	ISSUE FOR CONSTRUCTION

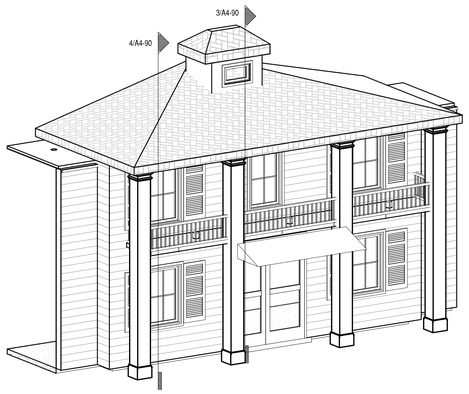
STATE OF GEORGIA
SCOTT T. NORMAN
2/3/2023
CERTIFICATE NO. 32809
REGISTERED ARCHITECT

ISSUED FOR CONSTRUCTION

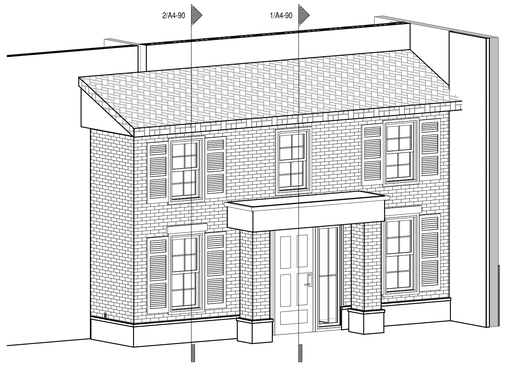
INTERIOR DETAILS - DOOR/WINDOW SCHEDULE

JUNIOR ACHIEVEMENT
4395 RIVER WATCH PARKWAY
EVANS, GA 30809

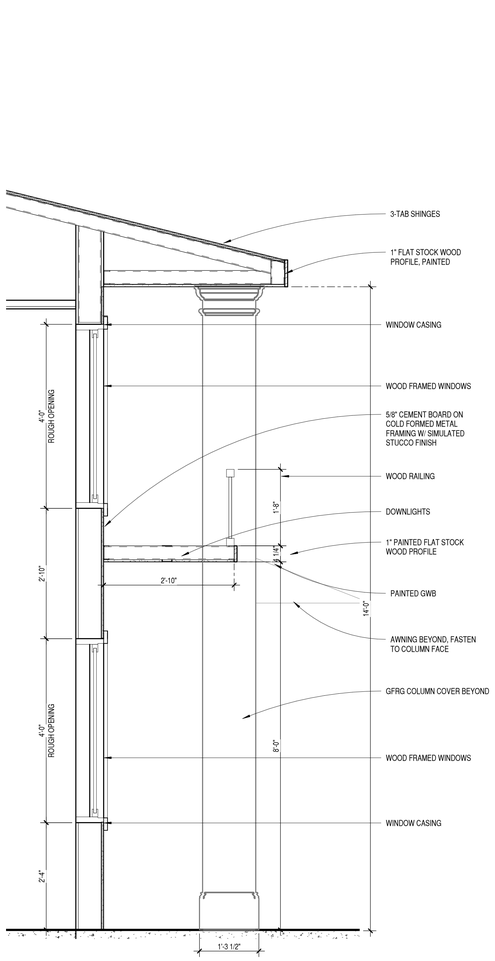
COMMISSION NO: 22_024
DRAWING NO:
A4-89



00 BOARD ROOM

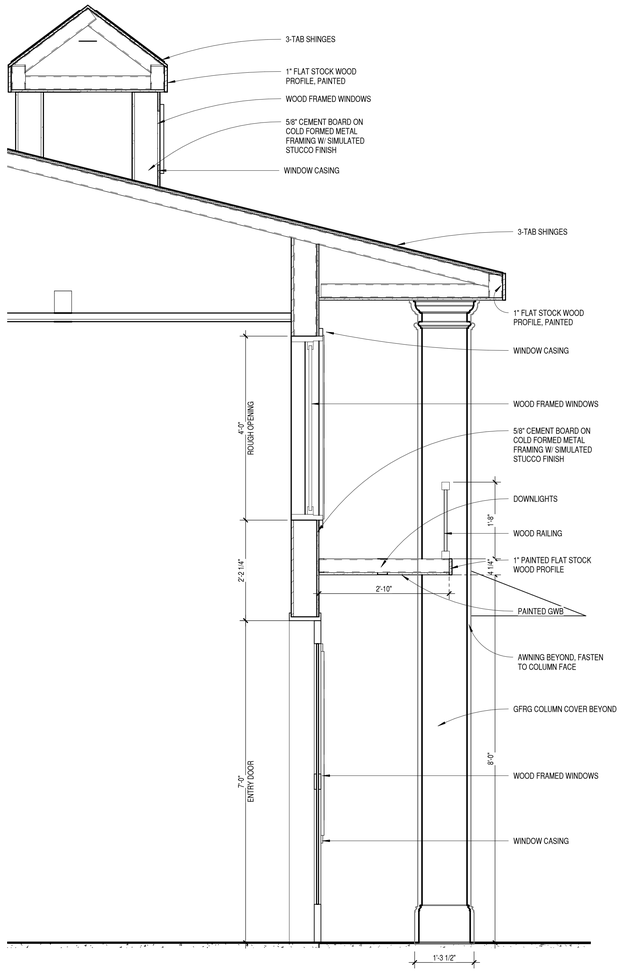


0 ENTRY HOUSE



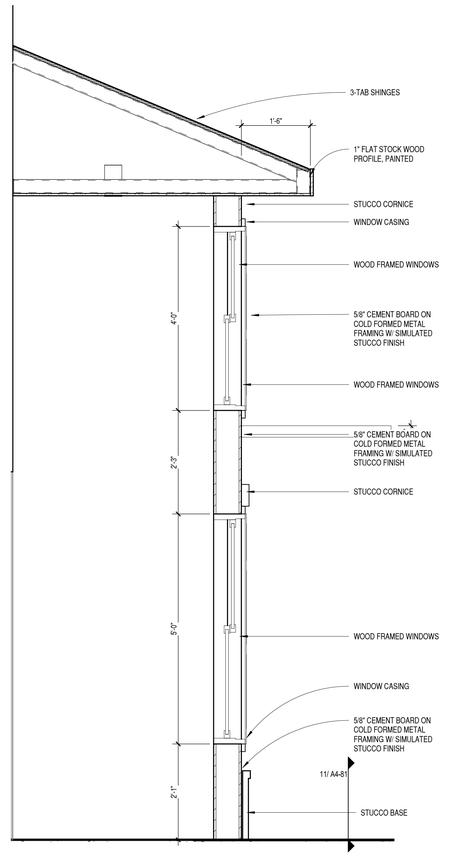
4 BOARD ROOM WINDOW

3/4" = 1'-0"



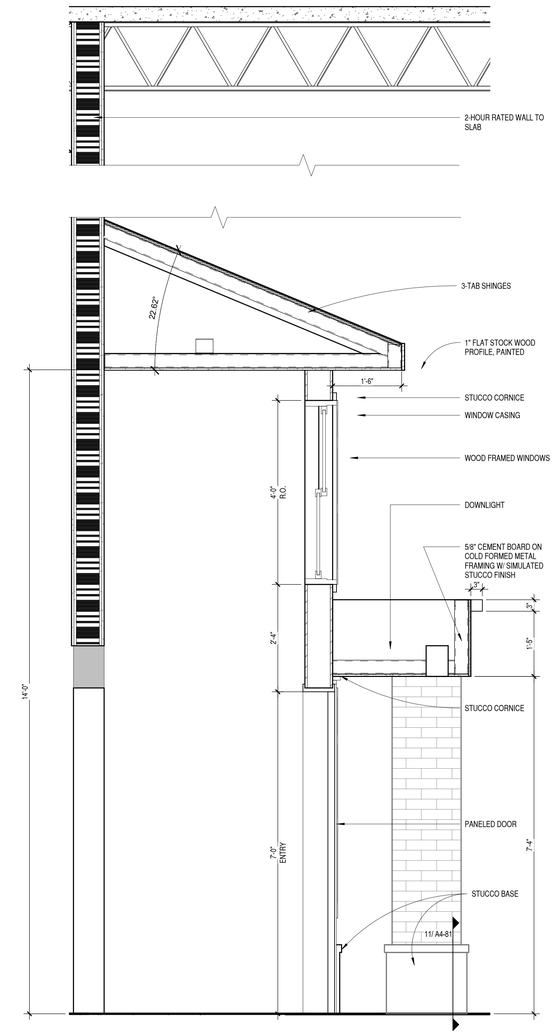
3 BOARD ROOM ENTRY

3/4" = 1'-0"



2 RECEPTION WINDOW

3/4" = 1'-0"



1 RECEPTION ENTRY

3/4" = 1'-0"

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Rev #	Date	Issue/Revision
1	02.03.23	ISSUE FOR CONSTRUCTION

STATE OF GEORGIA
SCOTT T. NORMAN
CERTIFICATE NO. 32
REGISTERED ARCHITECT
Scott T. Norman
2/3/2023

ISSUED FOR CONSTRUCTION

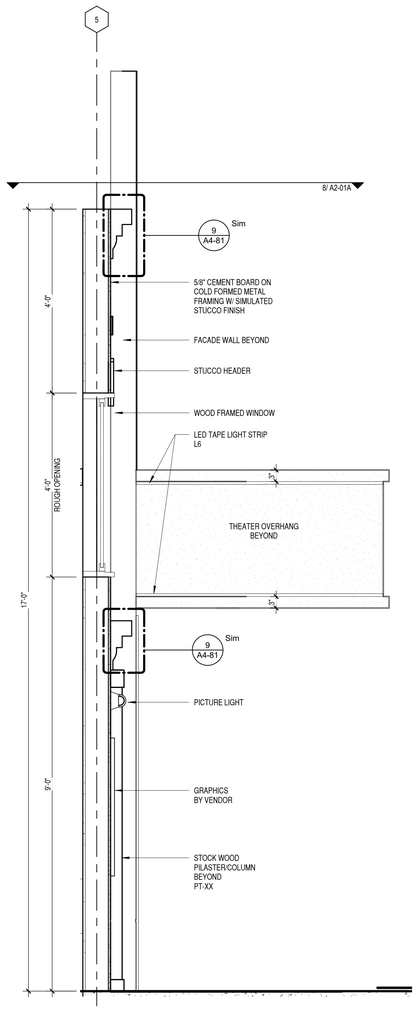
WALL SECTIONS - LOBBY

JUNIOR ACHIEVEMENT

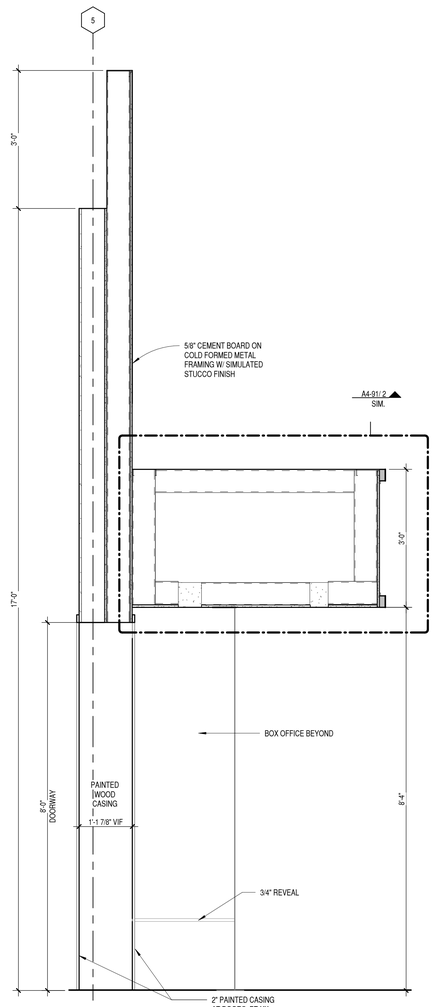
4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024
DRAWING NO:
A4-90

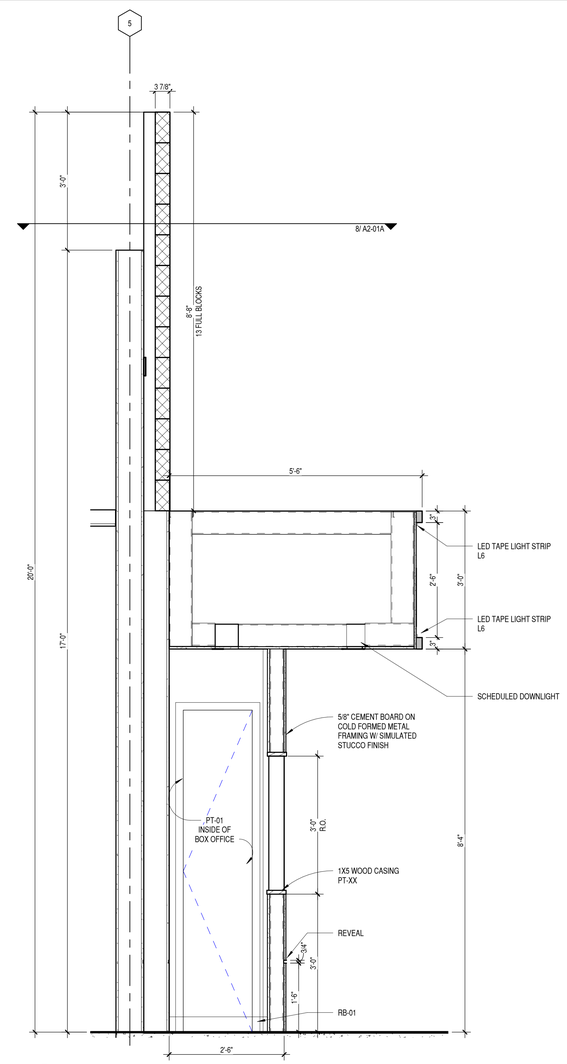
0 THEATER AXON



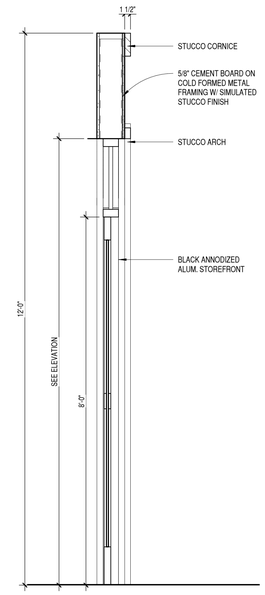
4 THEATER WINDOW
3/4" = 1'-0"



3 THEATER ENTRY
3/4" = 1'-0"



2 THEATER OVERHANG
3/4" = 1'-0"



1 RESTROOM ENTRY
3/4" = 1'-0"

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Rev #	Date	Issue/Revision
1	02.03.23	ISSUE FOR CONSTRUCTION

STATE OF GEORGIA
Scott T. Norman
SCOTT T. NORMAN
2/3/2023
CERTIFICATE NO. 5[illegible]
REGISTERED ARCHITECT

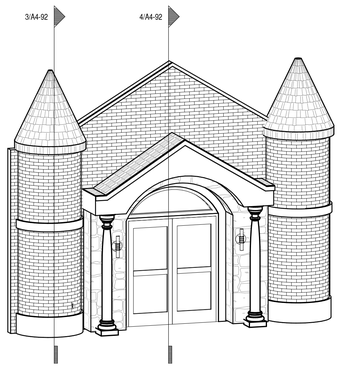
ISSUED FOR CONSTRUCTION

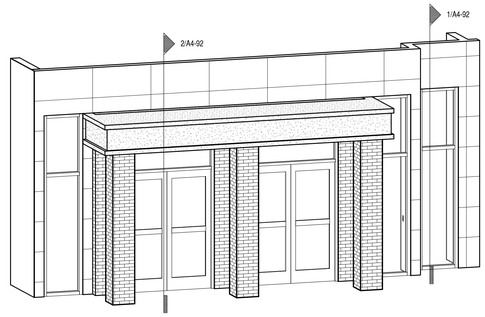
WALL SECTIONS - LOBBY

JUNIOR ACHIEVEMENT

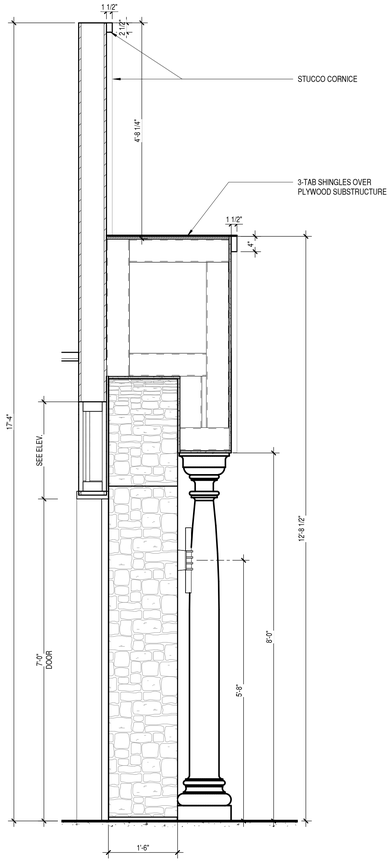
4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024
DRAWING NO:
A4-91

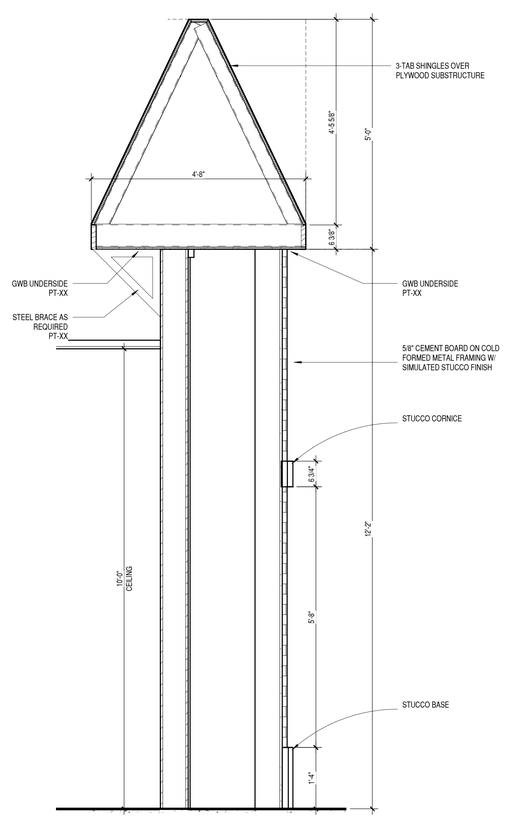




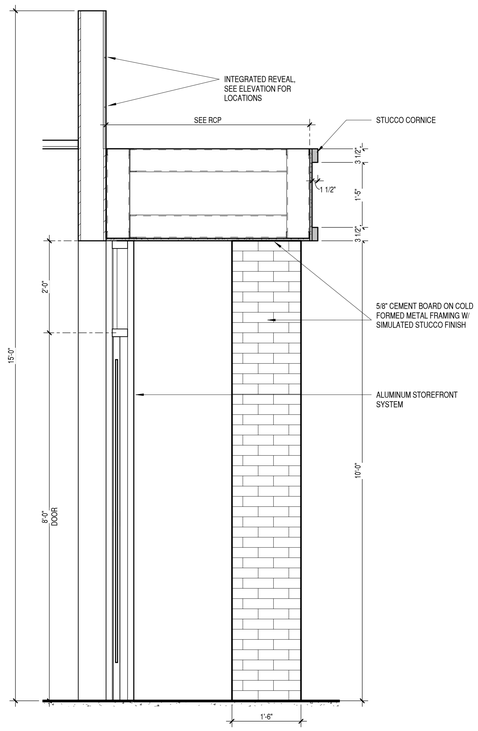
1 LOBBY AXON EAST



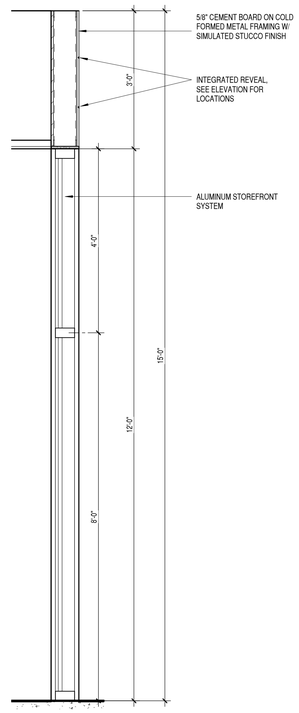
5 CONFERENCE ROOM ENTRY
3/4" = 1'-0"



4 CONFERENCE FACADE
3/4" = 1'-0"



3 CLASSROOM ENTRY
3/4" = 1'-0"



2 CLASSROOM WINDOW
3/4" = 1'-0"

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STATE OF GEORGIA
SCOTT T. NORMAN
CERTIFICATE NO. 029
REGISTERED ARCHITECT
2/3/2023

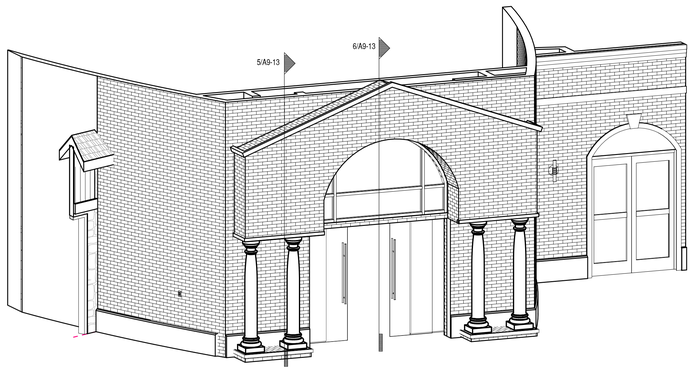
ISSUED FOR CONSTRUCTION

WALL SECTIONS - LOBBY

JUNIOR ACHIEVEMENT

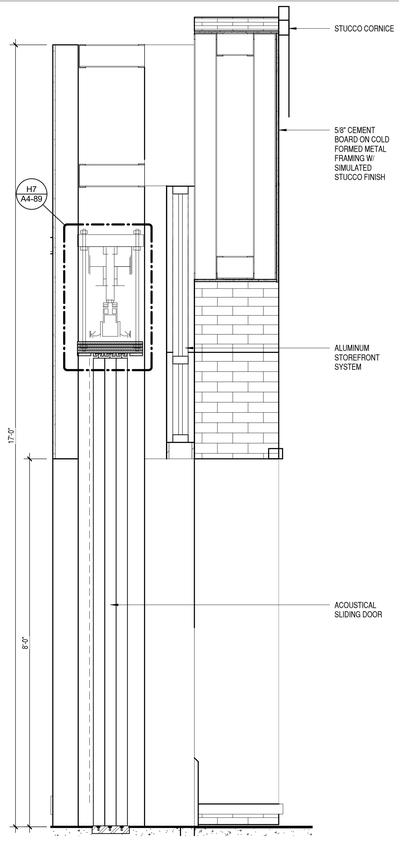
4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024
DRAWING NO:
A4-92

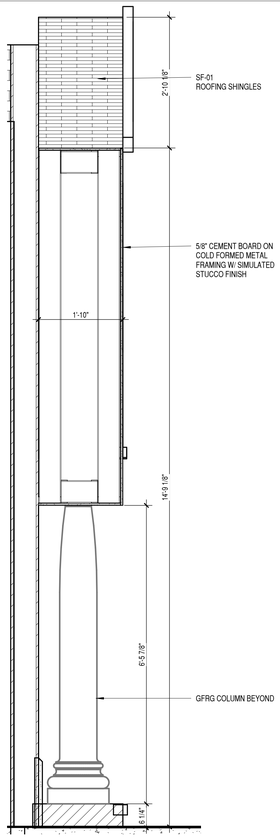


00 THEATER AXON NORTH

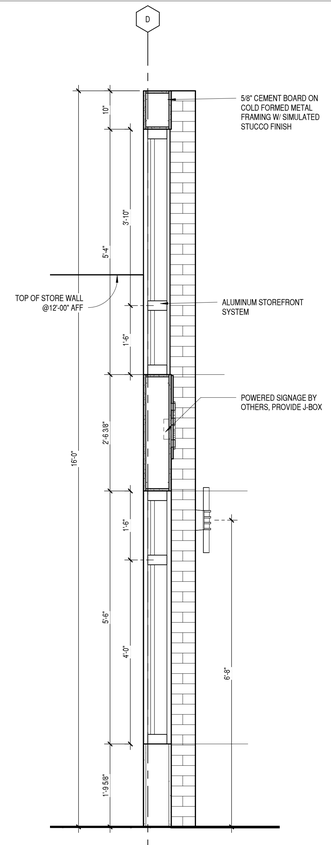
0 STORES 1-4 AXON



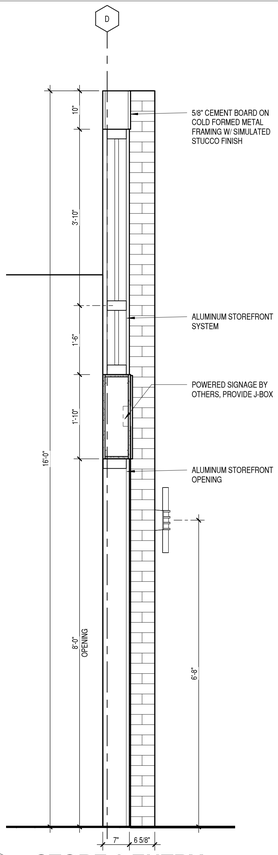
6 THEATER SECTION 2
3/4" = 1'-0"



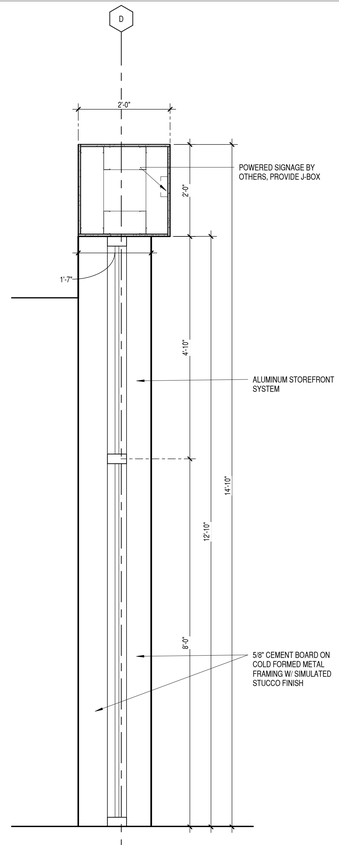
5 THEATER SECTION
3/4" = 1'-0"



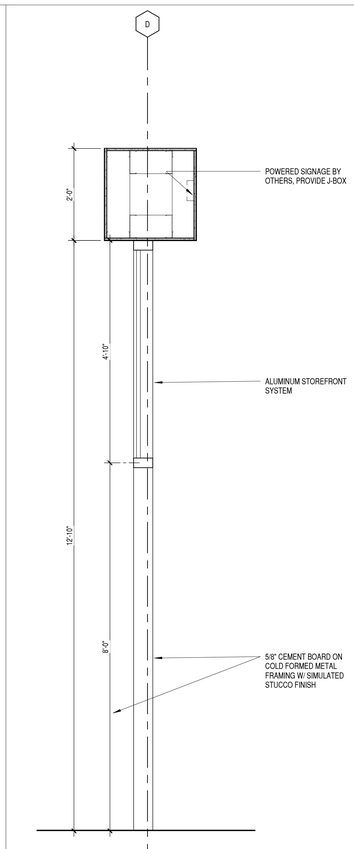
4 STORE 3 GLASS
3/4" = 1'-0"



3 STORE 3 ENTRY
3/4" = 1'-0"



2 STORE 1 STOREFRONT
3/4" = 1'-0"



1 STORE 1 ENTRY
3/4" = 1'-0"

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Rev #	Date	Issue/Revision
1	02.03.23	ISSUE FOR CONSTRUCTION

STATE OF GEORGIA
SCOTT T. NORMAN
CERTIFICATE NO. 5[illegible]
REGISTERED ARCHITECT
2/3/2023

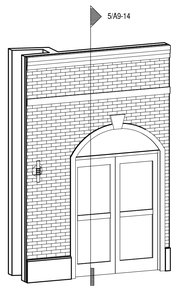
ISSUED FOR CONSTRUCTION

WALL SECTIONS - SIMULATION

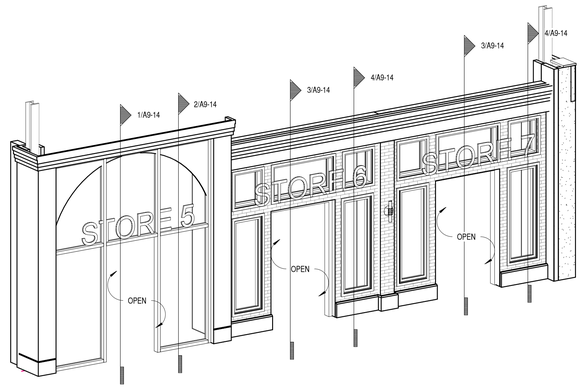
JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

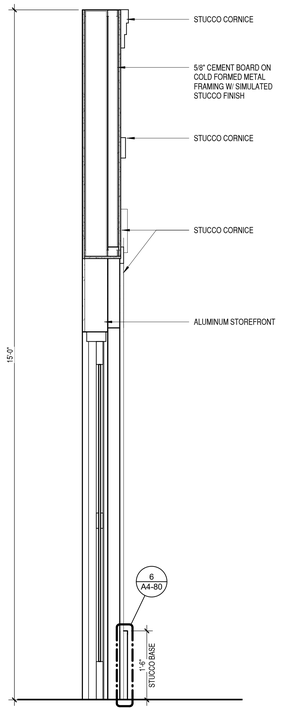
COMMISSION NO: 22_024
DRAWING NO:
A4-93



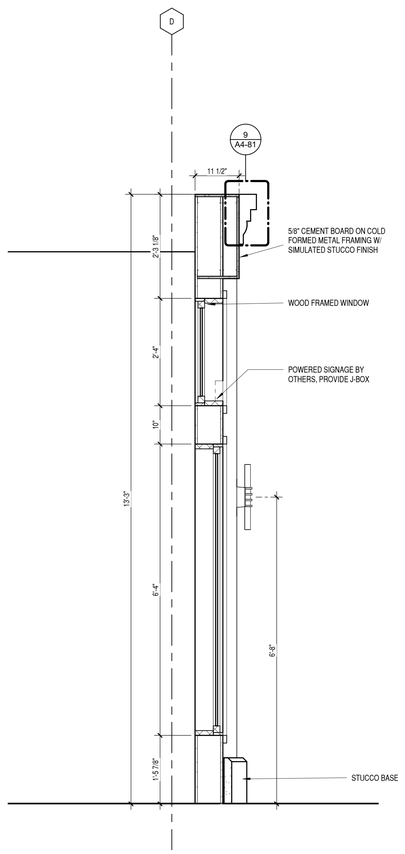
00 EXIT



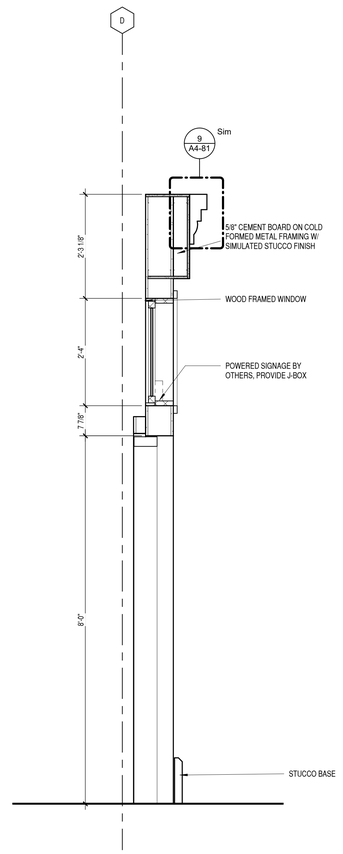
0 STORES 5-7 AXON



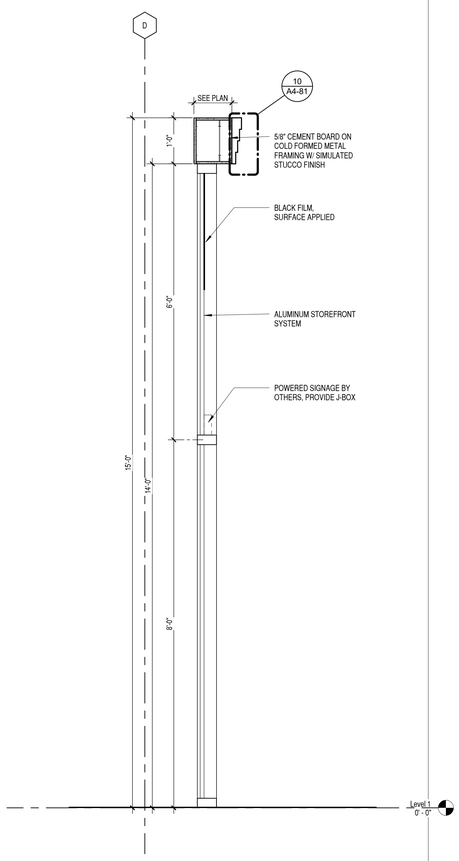
5 GLASS EXIT
3/4" = 1'-0"



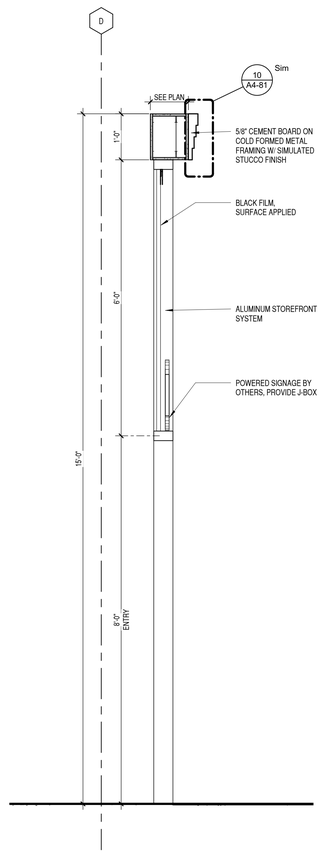
4 STORE 6 GLASS
3/4" = 1'-0"



3 STORE 6 ENTRY
3/4" = 1'-0"



2 STORE 5 GLASS
3/4" = 1'-0"



1 STORE 5 ENTRY
3/4" = 1'-0"

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Rev #	Date	Issue/Revision
1	02.03.23	ISSUE FOR CONSTRUCTION

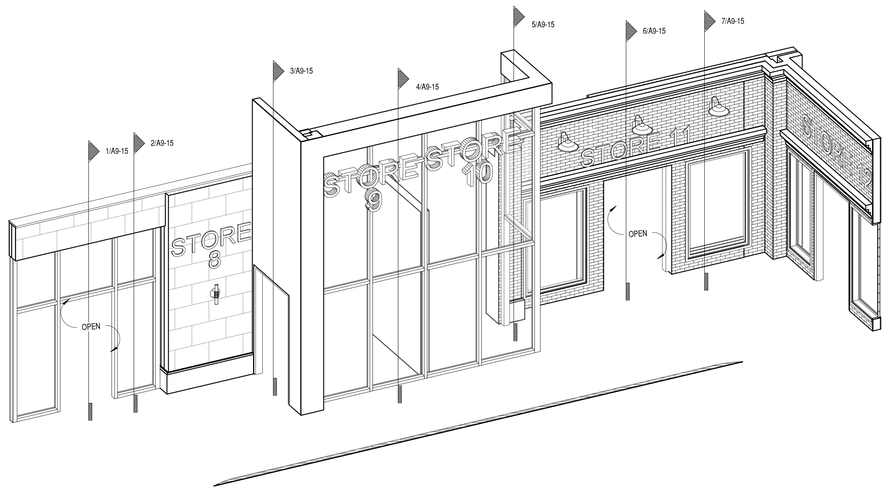
ISSUED FOR CONSTRUCTION

WALL SECTIONS - SIMULATION

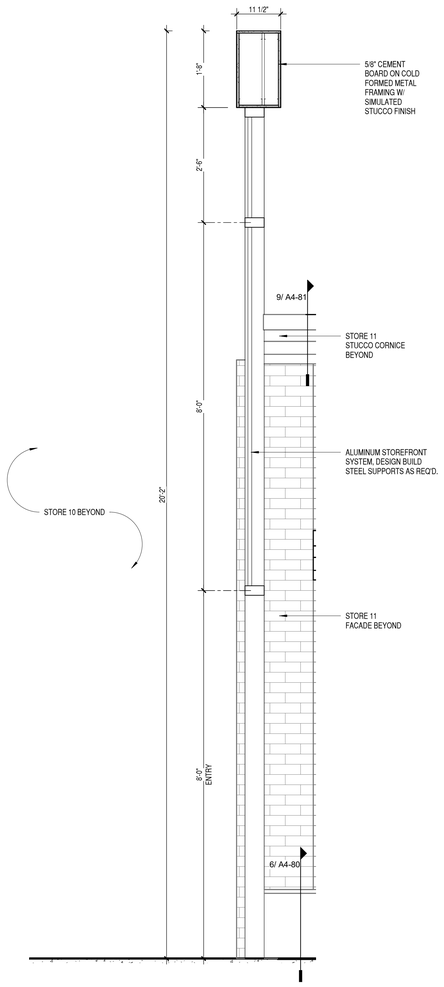
JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

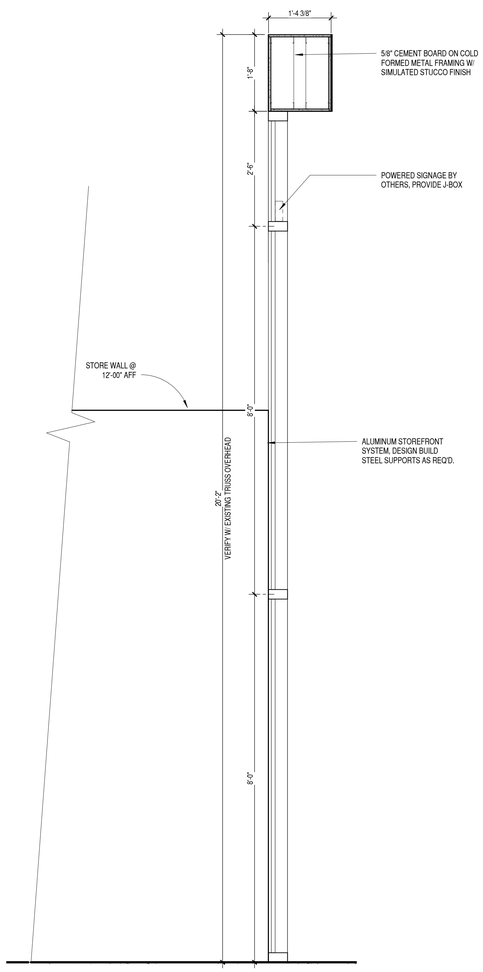
COMMISSION NO: 22_024
DRAWING NO:
A4-94



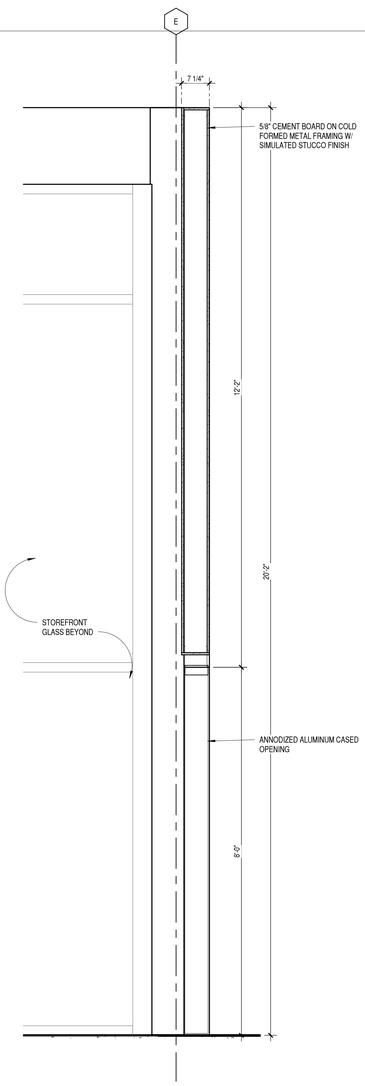
0 STORES 8-11 AXON



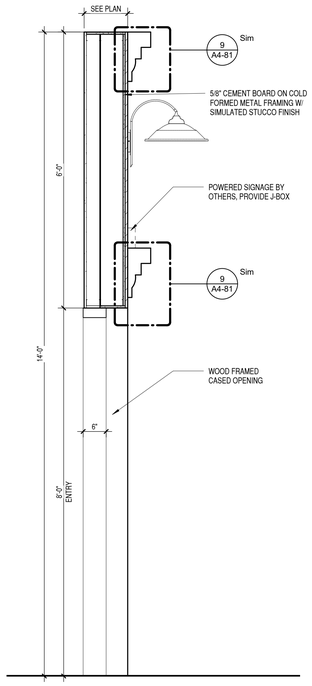
5 STORE 10 ENTRY
3/4" = 1'-0"



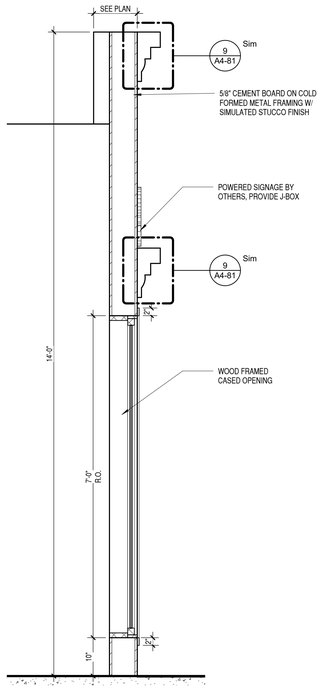
4 STORE 9 GLASS
3/4" = 1'-0"



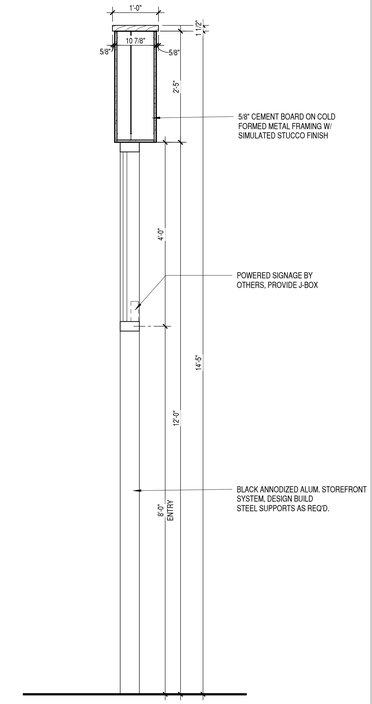
3 STORE 9 ENTRY
3/4" = 1'-0"



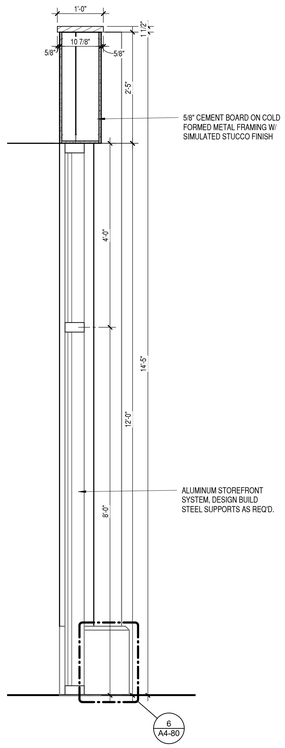
7 STORE 11 ENTRY
3/4" = 1'-0"



6 STORE 11 GLASS
3/4" = 1'-0"



2 STORE 8 ENTRY
3/4" = 1'-0"



1 STORE 8 GLASS
3/4" = 1'-0"

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Rev #	Date	Issue/Revision
1	02.03.23	ISSUE FOR CONSTRUCTION

STATE OF GEORGIA
SCOTT T. NORMAN
2/3/2023
CERTIFICATE NO. 5[illegible]
REGISTERED ARCHITECT

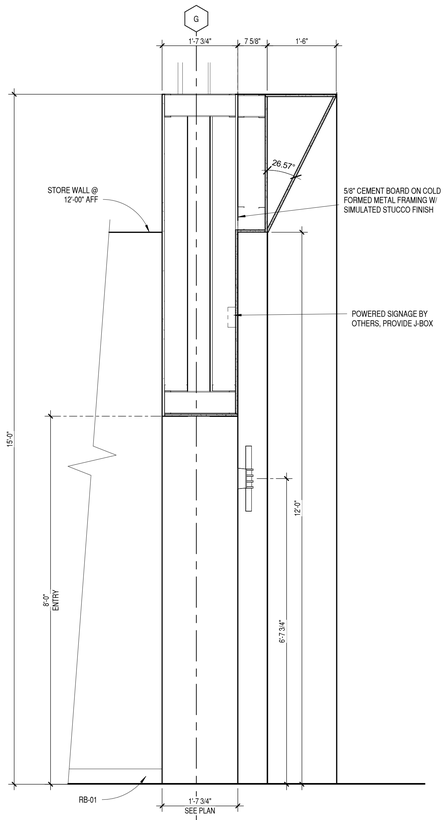
ISSUED FOR CONSTRUCTION

WALL SECTIONS - SIMULATION

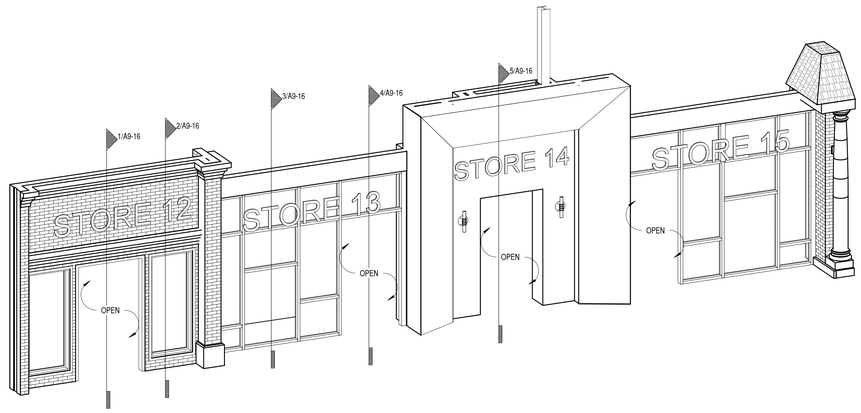
JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

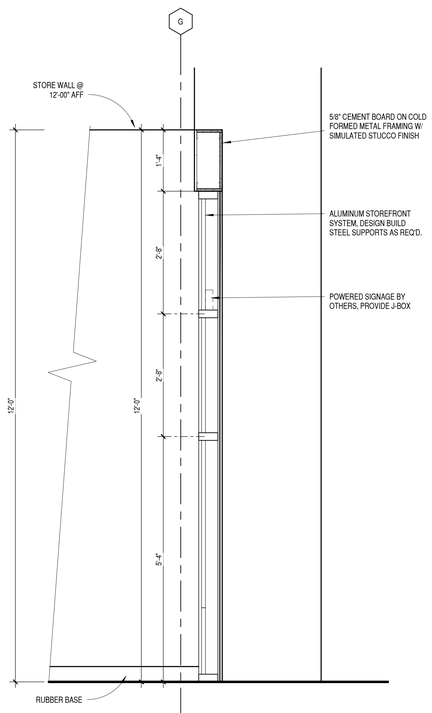
COMMISSION NO: 22_024
DRAWING NO:
A4-95



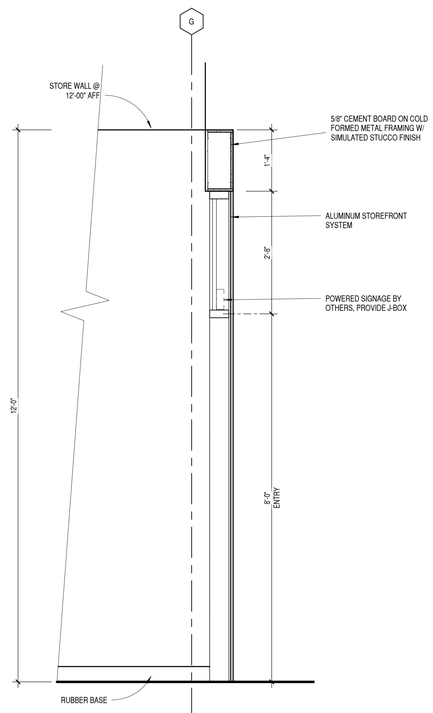
5 **STORE 14 ENTRY**
3/4" = 1'-0"



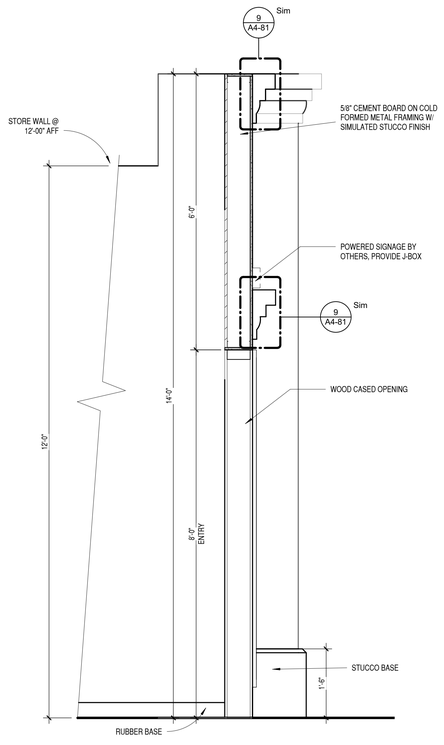
0 **STORES 12-15 AXON**



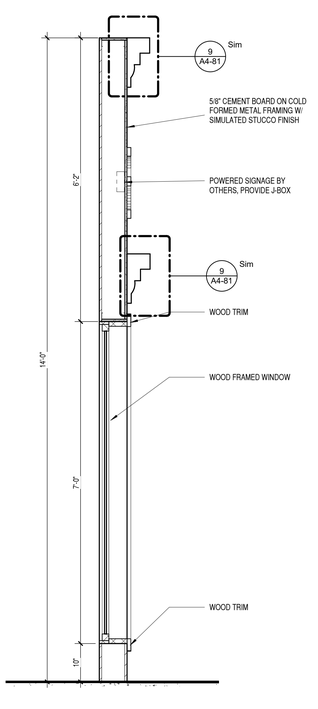
4 **STORE 13 STOREFRONT**
3/4" = 1'-0"



3 **STORE 13 ENTRY**
3/4" = 1'-0"



2 **STORE 12 ENTRY**
3/4" = 1'-0"



1 **STORE 12 GLASS**
3/4" = 1'-0"

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SCOTT T. NORMAN
2/3/2023
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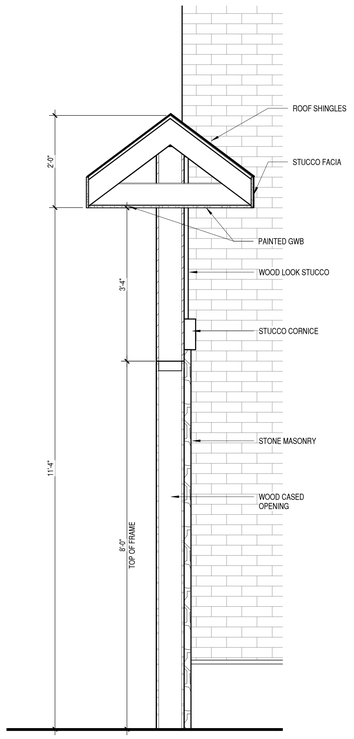
WALL SECTIONS - SIMULATION

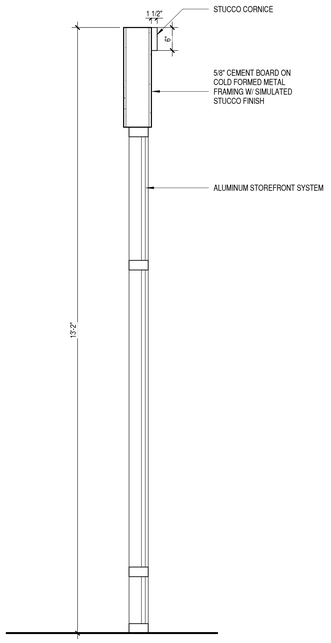
JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

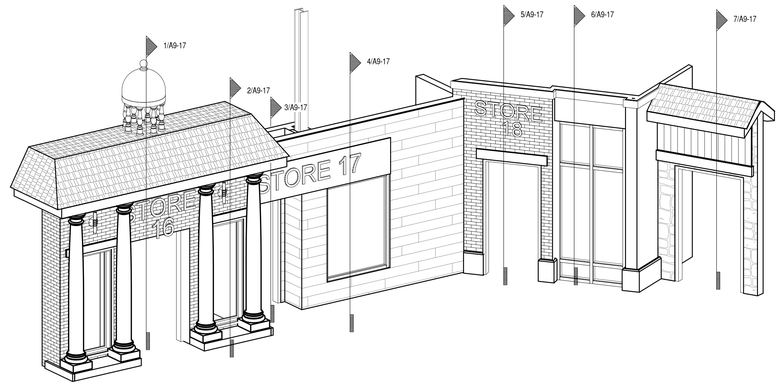
COMMISSION NO: 22_024
DRAWING NO:
A4-96



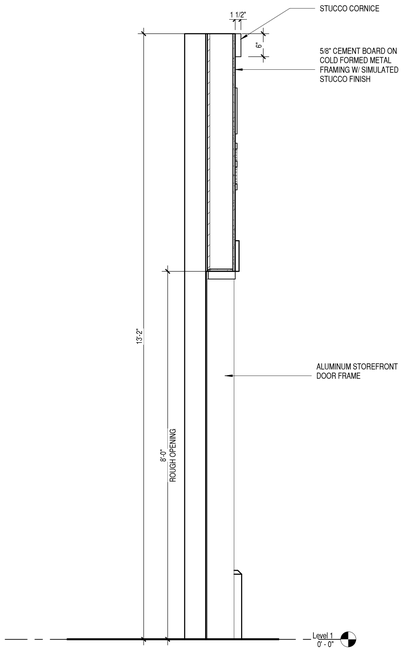
7 **RR TUNNEL SECTION**
3/4" = 1'-0"



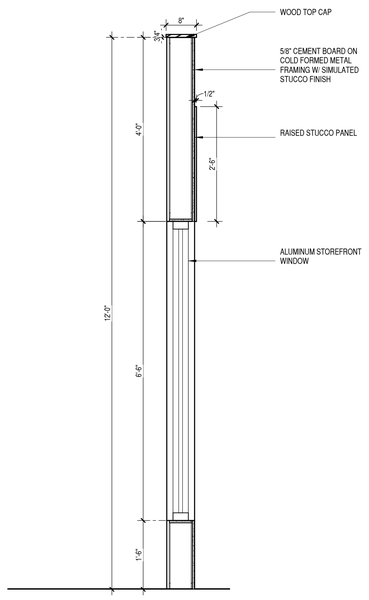
6 **STORE 18 GLASS**
3/4" = 1'-0"



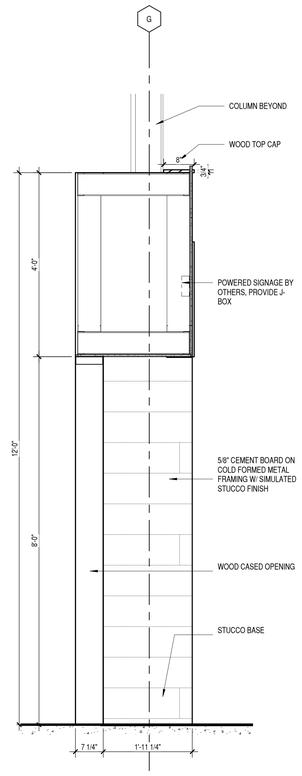
0 **STORE 16-18 AXON**



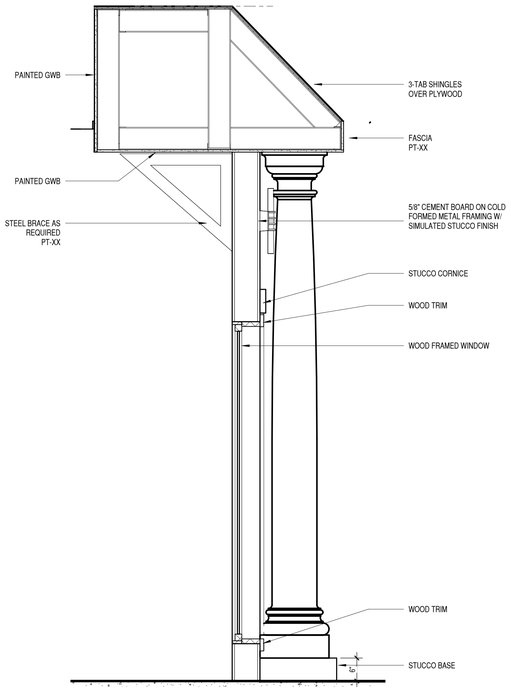
5 **STORE 18 ENTRY**
3/4" = 1'-0"



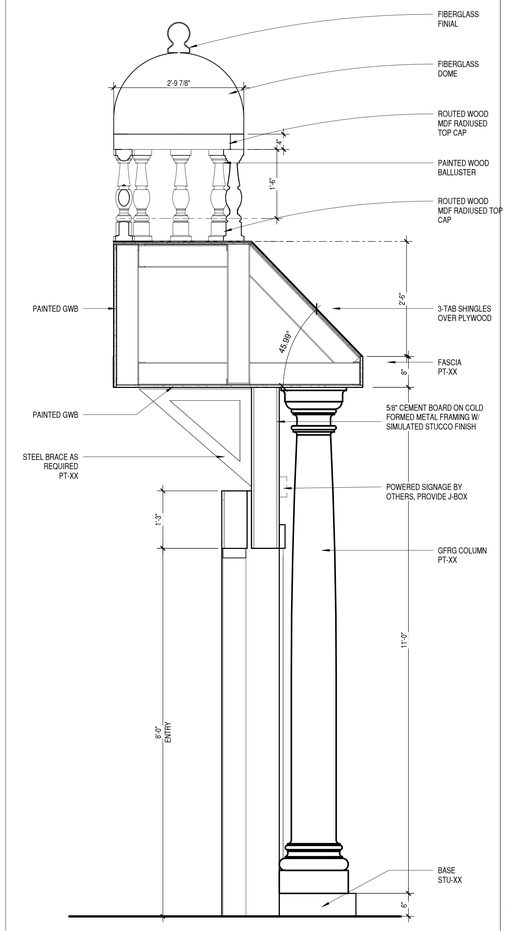
4 **STORE 17 WINDOW**
3/4" = 1'-0"



3 **STORE 17 ENTRY**
3/4" = 1'-0"



2 **STORE 16 WINDOW**
3/4" = 1'-0"



1 **STORE 16 ENTRY**
3/4" = 1'-0"

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STATE OF GEORGIA
Scott T. Norman
SCOTT T. NORMAN
2/3/2023
CERTIFICATE NO. 5[illegible]
REGISTERED ARCHITECT

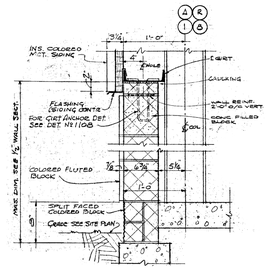
ISSUED FOR CONSTRUCTION

WALL SECTIONS - SIMULATION

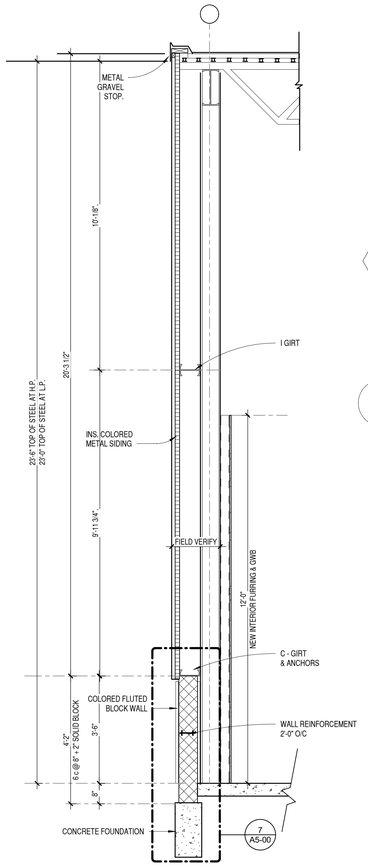
JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

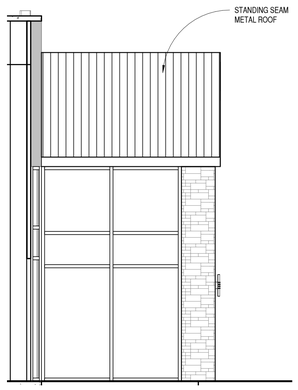
COMMISSION NO: 22_024
DRAWING NO:
A4-97



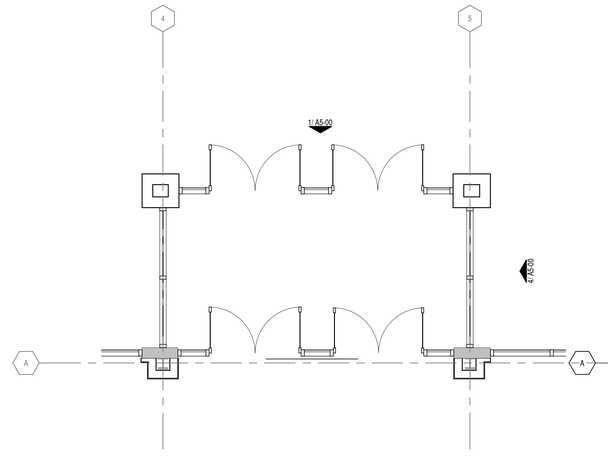
7 **SILL DETAIL**
1" = 1'-0"



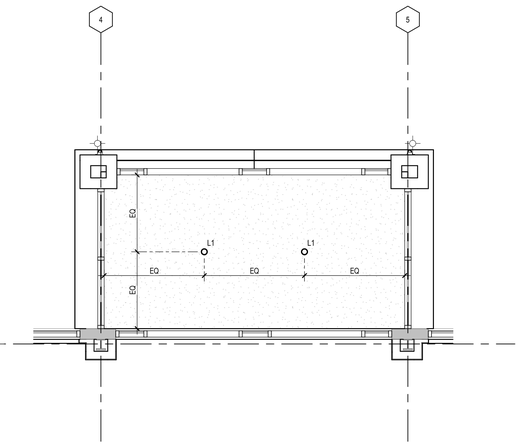
5 **FURRING AT EXTERIOR WALL**
1/2" = 1'-0"



4 **VESTIBULE SIDE**
1/4" = 1'-0"



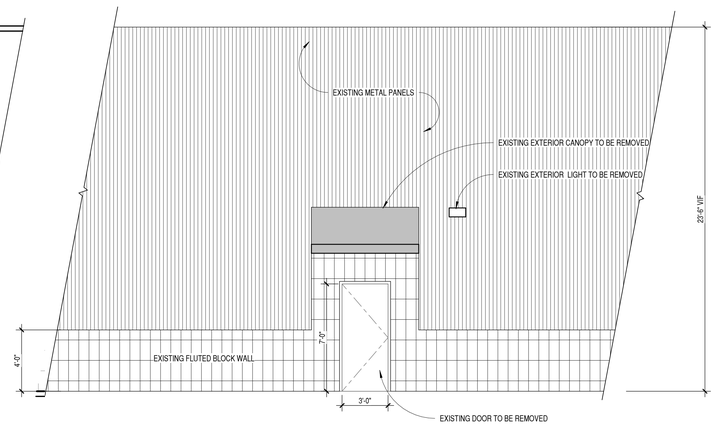
9 **ENLARGED VESTIBULE PLAN**
1/4" = 1'-0"



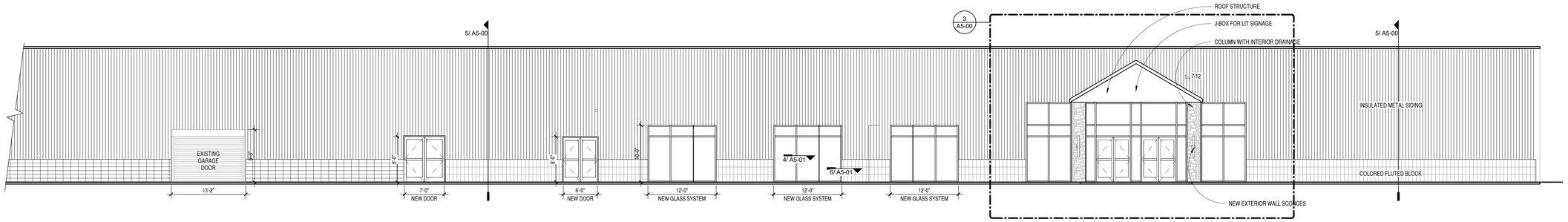
8 **VESTIBULE ROOF PLAN**
1/4" = 1'-0"

6 **NEW EXTERIOR VESTIBULE**

3 **BUILDING EXTERIOR - ENTRY**
1/4" = 1'-0"



2 **EXISTING BUILDING ENTRY**
1/4" = 1'-0"



1 **BUILDING EXTERIOR - NEW ENTRY**
1/8" = 1'-0"

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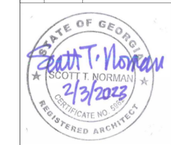


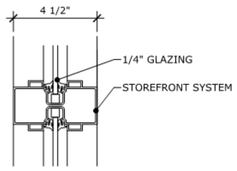
ISSUED FOR CONSTRUCTION

BUILDING SECTIONS & ELEVATIONS

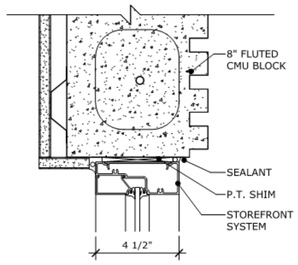
JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

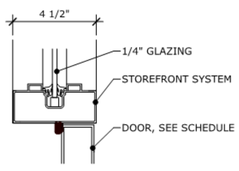
COMMISSION NO: 22_024
DRAWING NO:
A5-00



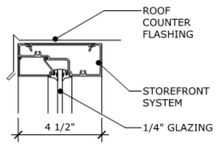
4 **HORIZONTAL INFILL**
NOT TO SCALE



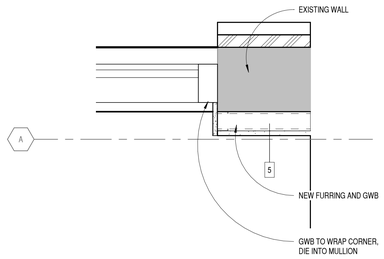
3 **JAMB**
NOT TO SCALE



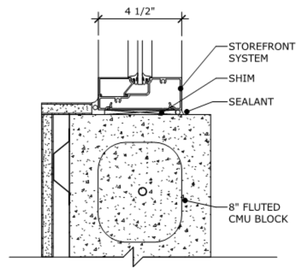
2 **HEAD**
NOT TO SCALE



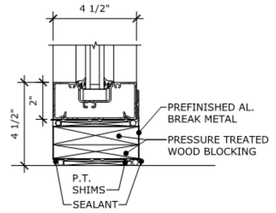
1 **TRANSOM**
NOT TO SCALE



7 **DETAIL AT EXTERIOR WALL**
1 1/2" = 1'-0"



6 **SILL 2**
NOT TO SCALE



5 **SILL**
NOT TO SCALE

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EXTERIOR DETAILS

JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024
DRAWING NO:
A5-01

LEGEND

LIGHTING AND POWER

CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALL CONTAINING 3 NUMBER 12 CONDUCTORS UNLESS SHOWN OTHERWISE, HASH MARKS, IF SHOWN, INDICATE QUANTITY OF NUMBER 12 CONDUCTORS, WHERE DRAWING SPACE PROHIBITS HASH MARKS BEING SHOWN REFER TO CIRCUIT NUMBERS AND PROVIDE REQUIRED NUMBER OF CONDUCTORS PER CIRCUIT TYPE.

CONDUIT RUN CONCEALED IN OR BELOW FLOOR SLAB, OR UNDERGROUND.

A-2,4,6 — HOMERUN TO PANELBOARD, LETTER OR LETTERS INDICATE PANELBOARDS, NUMBERS INDICATE CIRCUIT NUMBERS.

2-E — L.E.D. LIGHTING FIXTURE, "2" INDICATES THE CIRCUIT NUMBER AND "E" THE FIXTURE TYPE, SEE FIXTURE SCHEDULE FOR DIMENSIONS AND MOUNTING TYPE.

EMERGENCY L.E.D. LIGHTING FIXTURE CONNECTED TO GENERATOR CIRCUIT. SEE FIXTURE SCHEDULE FOR DIMENSIONS, AND MOUNTING TYPE.

L.E.D. FIXTURE, SURFACE OR STEM MOUNTED.

L.E.D. TROFFER FIXTURE. SEE FIXTURE SCHEDULE FOR DIMENSIONS AND MOUNTING TYPE.

EMERGENCY L.E.D. TROFFER CONNECTED TO GENERATOR CIRCUIT. SEE FIXTURE SCHEDULE FOR DIMENSIONS, AND MOUNTING TYPE.

L.E.D. LIGHTING FIXTURE, SURFACE WALL BRACKET MOUNTED. MOUNTING HEIGHT AS NOTED.

X — EXIT LIGHT

J — JUNCTION BOX LOCATED ABOVE CEILING OR BELOW GRADE.

5 — DUPLEX CONVENIENCE OUTLET, +18" TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED. 5" INDICATES THE CIRCUIT NUMBER.

DUPLEX CONVENIENCE OUTLET MOUNTED ABOVE COUNTER, AT +46" TO CENTERLINE OF OUTLET.

DUPLEX CONVENIENCE OUTLET, GFI TYPE, +18" TO CENTER LINE UNLESS OTHERWISE NOTED. "WP" WHERE SHOWN INDICATES WEATHER-RESISTENT DEVICE WITH METAL IN-USE WEATHERPROOF COVER.

DUPLEX CONVENIENCE OUTLET, GFI TYPE, MOUNTED ABOVE COUNTER AT +46" TO CENTERLINE OF RECEPTACLE UNLESS NOTED OTHERWISE.

QUADRUPLEX RECEPTACLE, +18" TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED.

FLUSH CEILING MOUNTED RECEPTACLE. SEE DETAIL E/XXXX FOR MOUNTING INFORMATION.

DUPLEX RECEPTACLE, ISOLATED GROUND TYPE, +18" TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED.

DUPLEX RECEPTACLE, ISOLATED GROUND TYPE, +46" TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED.

QUADRUPLEX RECEPTACLE, ISOLATED GROUND TYPE, +18" TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED.

NEMA L5-30R ON WALL AT 48", 3#10 TO PANEL CIRCUIT AS SHOWN.

FLUSH FLOOR BOX WITH QUADRUPLEX RECEPTACLE AND TELECOMMUNICATION OUTLET. SEE SPECIFICATIONS FOR TYPE OF BOX.

SINGLE POLE TOGGLE SWITCH, +46" TO CENTER LINE MOUNTING HEIGHT.

3 — THREE OR FOUR WAY SWITCH AS INDICATED. +46" TO CENTER LINE MOUNTING HEIGHT.

LED DECORA STYLE DIMMER WITH ROCKER ON/OFF SWITCH AND SLIDE DIMMER ON SIDE OF ROCKER. 0-10VDC CAPABLE DIMMER +3'-6" MOUNTING HEIGHT. LUTRON "DIVA 0-10V" OR EQUAL BY LEVITON, WATTSTOPPER, HUBBELL, OR COOPER, (NO ADDITIONAL POWER PACK REQUIRED), DIVISION 26 SHALL PROVIDE ALL ADDITONAL CONDUCTORS TO ALL FIXTURES CONNECTED FOR A PROPER 0-10VDC OPERATION, GRAY FINISH.

3 — LED DECORA STYLE DIMMER WITH ROCKER ON/OFF SWITCH AND SLIDE DIMMER ON SIDE OF ROCKER. 0-10VDC CAPABLE THREE WAY DIMMER, +3'-6" MOUNTING HEIGHT. LUTRON "DIVA 0-10V" OR EQUAL BY LEVITON, WATTSTOPPER, HUBBELL, OR COOPER, (NO ADDITIONAL POWER PACK REQUIRED).

LV — LOW VOLTAGE SWITCH WALL MOUNTED IN SINGLE GANG BOX, +46" TO CENTER LINE MOUNTING HEIGHT. SEE LIGHTING CONTROL SCHEDULE SWITCH'S BUTTON QUANTITY, CONFIGURATION, AND OPERATION.

PANELBOARD, SEE SCHEDULE.

DISCONNECT SWITCH, SIZE AS NOTED ON DRAWINGS. FUSED PER MANUFACTURER'S NAME PLATE DATA OF EQUIPMENT SERVED.

SINGLE OR DOUBLE POLE, MINIMUM 20 AMP MOTOR RATED ENCLOSED SWITCH WITH "LOCK-OUT" OPTION. MOUNTED NEAR EQUIPMENT BEING SERVED.

M — MOTOR

EM — EMERGENCY OVERRIDE LIGHTING RELAY "NORMAL", SEE DETAIL 3/E1-00. LOCATION SHOWN TO INDICATE FIXTURES/SPACE BEING SERVED BY DEVICE. DEVICE SHALL BE LOCATED IN NEAREST ACCESSIBLE CEILING SPACE TO FIXTURE/SPACE.

WC — ELECTRICAL WATER COOLER. PROVIDE A DUPLEX RECEPTACLE AT WATER COOLER. CIRCUIT SHALL BE GFCI PROTECTED. REFER TO DETAIL 2/E3-01 FOR ROUGH-IN.

TB — PROVIDE FIRE RATED 3/4"D x 4'0"H x (LENGTH AS SHOWN ON PLANS) GRADE A/C PLYWOOD BACKBOARD INSTALLED ON WALLS IN THIS SPACE WHERE INDICATED ON PLANS, CONTRACTOR SHALL PAINT FRONT SIDE AND ALL EDGES WITH GRAY FIRE RETARDANT PAINT. FIRE RATINGS ON PLYWOOD SHALL NOT BE PAINTED OVER SUCH RATING IS EACH PIECE OF PLYWOOD.

OCCUPANCY SENSORS

SWITCH, WALL MOUNTED OCCUPANCY SENSOR (WATTSTOPPER PW-100 OR EQUAL), +46" TO CENTER LINE MOUNTING HEIGHT.

DT — DUAL TECHNOLOGY 360° OCCUPANCY SENSOR, CEILING MOUNTED. LITHONIA "CM PDT 9" SERIES OR EQUAL. PROVIDE ALL NECESSARY COMPONENTS TO INSURE PROPER OPERATION (POWER PACKS, SLAVE PACKS, ETC.)

DW — DUAL TECHNOLOGY OCCUPANCY SENSOR, CEILING MOUNTED AT CORNER UNLESS SHOWN OTHERWISE. LITHONIA "WV PDT 16 KIT SERIES OR EQUAL. PROVIDE ALL NECESSARY COMPONENTS TO INSURE PROPER OPERATION (POWER PACKS, SLAVE PACKS, ETC.)

DH — DUAL TECHNOLOGY HALLWAY OCCUPANCY SENSOR, CEILING MOUNTED, LITHONIA "CM PDT 11" SERIES OR EQUAL. PROVIDE ALL NECESSARY COMPONENTS TO INSURE PROPER OPERATION (POWER PACKS, SLAVE PACKS, ETC.)

DTDI — DUAL TECHNOLOGY OCCUPANCY SENSOR, DIGITAL ADDRESSABLE TYPE, CEILING MOUNTED AT CORNER UNLESS SHOWN OTHERWISE. LITHONIA "nWV PDT 16 KIT SERIES OR EQUAL.

PDTDI — PASSIVE INFRARED OCCUPANCY SENSOR FOR HIGH CEILING MOUNTING, DIGITAL ADDRESSABLE TYPE, CEILING MOUNTED AT STRUCTURAL BEAM. LITHONIA "nCM 6" SERIES OR EQUAL.

FIRE ALARM SYSTEM

SIGNAL, HORN AND STROBE LIGHT. +6'-10" MOUNTING HEIGHT TO CENTER OF DEVICE.

VE — VOICE EVACUATION SIGNAL, SPEAKER, AND STROBE LIGHT, +6'-10" MOUNTING HEIGHT TO CENTER OF DEVICE

SL — STROBE LIGHT, 6'-10" MOUNTING HEIGHT TO CENTER OF DEVICE.

SL — STROBE LIGHT, CEILING MOUNTED.

P — PULL STATION, WALL MOUNTED +46" TO CENTER LINE MOUNTING HEIGHT.

FACP — EXISTING FIRE ALARM CONTROL PANEL WITH VOICE EVACUATION OPTIONS TO REMAIN. EXISTING FIRE ALARM PANEL IS NOTIFIER "NFS-320" SERIES.

H — HEAT DETECTOR, CEILING MOUNTED.

S — SMOKE DETECTOR, CEILING MOUNTED.

MIC — VOICE EVACUATION REMOTE MICROPHONE.

INTRUSION ALARM

I — INTRUSION ALARM DETECTOR, INFRARED. CEILING MOUNTED UNIT. 50'-0" COVERAGE UNLESS OTHERWISE NOTED.

IK — INTRUSION ALARM, KEY PAD. +46" TO CENTER LINE MOUNTING HEIGHT.

INTRUSION ALARM CONTROL PANEL.

LOW VOLTAGE BACKBOXES / OUTLETS (DIVISION 26 TO PROVIDE AND INSTALL ALL CONDUIT WITH, PULLSTRINGS AND BACKBOXES)

DATA OUTLET, SINGLE GANG BOX, FLUSH WALL MOUNTED AT +18" TO CENTER LINE OF OUTLET UNLESS NOTED OTHERWISE, STUB-OUT 1"C, TO CEILING SPACE ABOVE.

DATA OUTLET, SINGLE GANG BOX, FLUSH WALL MOUNTED AT +46" TO CENTER LINE OF OUTLET UNLESS NOTED OTHERWISE. STUB-OUT 1"C, TO CEILING SPACE ABOVE.

C — CCTV CAMERA, SINGLE GANG BOX, FLUSH WALL MOUNTED OR CEILING MOUNTED. STUB-OUT 1"C. TO ABOVE NEAREST ACCESSIBLE SPACE OR 6" BELOW EXPOSED CEILING. COORDINATE MOUNTING HEIGHT PRIOR TO ROUGH-IN WITH CAMERA VENDOR.

ACCESS CONTROL CREDENTIAL READER. SINGLE GANG BOX, FLUSH WALL MOUNTED BOX +46" TO CENTER OF BOX. STUB-OUT 3/4"C. TO ABOVE NEAREST ACCESSIBLE CEILING OR 6" BELOW EXPOSED CEILING SPACE.

DOOR CONTACT POSITION SENSOR LOCATION. SINGLE GANG BOX, FLUSH WALL MOUNTED AT TOP OF DOOR FRAME ON SECURE SIDE OF DOOR. COORDINATE EXACT LOCATION WITH ACCESS CONTROL SYSTEM VENDOR. STUB-OUT 3/4"C. TO ABOVE NEAREST ACCESSIBLE CEILING OR 6" BELOW EXPOSED CEILING SPACE.

SINGLE GANG BOX FOR A/V USE, FLUSH WALL MOUNTED AT 96" UNLESS OTHERWISE NOTED ON PLAN. STUB-OUT 1"C., TO ACCESSIBLE CEILING OR WIRING CHASE.

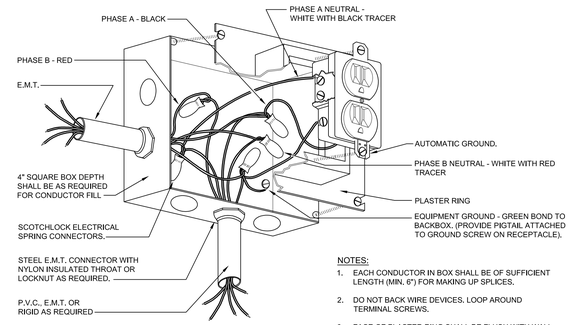
DOUBLE GANG BOX FOR A/V USE, FLUSH WALL MOUNTED AT 60" UNLESS OTHERWISE NOTED ON PLAN. STUB-OUT 1"C., TO ACCESSIBLE CEILING OR WIRING CHASE.

FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER
L1	RECESSED COMMERCIAL GRADE DOWNLIGHT WITH 4" APERTURE, FIXTURE SHALL BE CONSTRUCTED OUT OF 16 GAUGE GALVANIZED STEEL WITH SEMI-SPECULAR REFLECTOR AND WHITE FLANGE. FIXTURE SHALL BE CAPABLE OF BOTH FIELD ADJUSTABLE LUMENS (1K, 1.5K, 2K) AND COLOR TEMP (3K, 3.5K, 4K, 5K). SET LEVELS AS NOTED BELOW. LAMPS: L.E.D., 13 WATTS, 1000 LUMENS (LOW), 3500°K DRIVER: MULTIVOLT, UNIVERSAL DIMMING BOTH WITH 0-10V AND LINE VOLTAGE DIMMING	LITHONIA "LDN4" SERIES
L1B	RECESSED COMMERCIAL GRADE DOWNLIGHT WITH 3" APERTURE, FIXTURE SHALL BE CONSTRUCTED OUT OF 16 GAUGE GALVANIZED STEEL WITH SEMI-SPECULAR REFLECTOR AND WHITE FLANGE. LAMPS: L.E.D., 14 WATTS, 1000 LUMENS, 3500°K DRIVER: MULTIVOLT, UNIVERSAL DIMMING BOTH WITH 0-10V AND LINE VOLTAGE DIMMING	LITHONIA "LDN3" SERIES
L2	SAME AS TYPE "L1" EXCEPT WITH WALL WASH OPTICS.	LITHONIA "LDN4WW" SERIES
L3	SAME AS TYPE "L1" EXCEPT WITH SLOPE CEILING ADAPTER.	
L4	2' x 2' RECESSED CEILING GRID TYPE FIXTURE WITH CENTER COUPLE CONCAVE REFRACTOR LENS. LAMPS: L.E.D., 29 WATTS, 3440 LUMENS, 3500°K DRIVER: MULTIVOLT, 0-10V DIMMING	LITHONIA "2ALL2 CTRF" SERIES
L5	L.E.D. PENDANT MOUNTED CIRCULAR HIGH BAY FIXTURE, DIE-CAST ALUMINUM HOUSING, CLEAR TEMPERED GLASS, AND ACRYLIC FROSTED REFLECTOR. SAFETY CHAIN SHALL BE ATTACHED TO STRUCTURE AND HOUSING, BOTTOM OF FIXTURE SHALL BE MOUNTED AT 15'-0" TO FINISHED FLOOR, COORDINATE OVERALL STEM LENGTH WITH EXISTING STRUCTURE SLOPES THROUGHOUT THE BUILDING. FIXTURE/PENDANT FINISH SHALL BE WHITE. LUMEN OUTPUT: L.E.D., 160 WATTS, 24,000 LUMENS, 3500°K DRIVER: MULTI-VOLT, 0-10 DIMMING	LITHONIA "JCBL" SERIES
L6	RECESSED CEILING LINEAR RGBW WITH SIDE BENDING (HORIZONTAL) ONE INCH WIDE CHANNEL. FIXTURE CAN BE EITHER TAPE/NEON STYLE LIGHT WITH MINIMUM 20FT RUN LENGTH IN PATTERN TO MATCH LAYOUT AS SHOWN ON LIGHTING PLAN, PROVIDE ALL ACCESSORIES AS DMX DECODER, TRANSFORMERS, ETC. AS NEEDED FOR COMPLETE WORKING FIXTURE LAMPS: L.E.D., 7 WATTS/FT, 171LM/FT (RGBW) DRIVER: MULTIVOLT, DMX DIMMING	LLI ARCH "LCC / LN" SERIES
L7	4"W x 4'0"L LINEAR DIRECT/INDIRECT (50%UP / 50%DN) DISTRIBUTION FIXTURE TO BE SURFACE WALL MOUNTED WITH EXTRUDED ALUMINUM HOUSING AND WHITE FINISH. LAMPS: L.E.D., 8.5 WATT / FOOT, 1200 LUMENS / FOOT (600UP/600DN), 3500°K DRIVER: MULTIVOLT, 0-10V DIMMING	MARK ARCHITECTURAL "S4WDI" SERIES
L8	EXTERIOR WALL SCONCE WITH DIRECT/INDIRECT GRAZING OPTICS AND 8"W x 38"H x 4"D IP66 RATED HOUSING. MOUNT IN FIXTURE IN VERTICAL DIRECTION, COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS, FINISH TO BE DETERMINE BY ARCHITECT / OWNER LAMPS: L.E.D., 60 WATT, 5700 LUMENS, 4000°K DRIVER: MULTIVOLT, 0-10V DIMMING	ECLIPSE "GALILEO - DEFER" SERIES WITH CTB OPTION.
L9	DECORATIVE LANTERN STYLE WALL SCONCE WITH CLEAR BEVELED GLASS, SHORT SCROLL STYLE ARM, AND TEXTURED BLACK FINISH HOUSING / BLACKPLATE. LAMPS: A19 SCREW-IN L.E.D., 9 WATT, 800 LUMENS, 3000°K	SATCO/NUVO "BOXWOOD 60-4966" SERIES
L10	WALL MOUNTED SLIM-LINE PICTURE LIGHT WITH ANTIQUE BRASS METAL HOUSING AND BACKPLATE. FIXTURE SHALL BE 24"W x 4.25"H x 7.5"D. LAMPS: FOUR(4) - E12 SCREW-IN L.E.D., 4 WATT, 500 LUMENS, 4000°K	HOUSE OF TROY "DSL24-71" SERIES
L12	WALL MOUNTED DECORATIVE SCONCE WITH MODERN SLEEK SATIN NICKEL FINISHED FLAT HOUSING. LAMPS: TWO(2) - MR16 (GU10), 7 WATT/ 500 LUMENS (EACH), 3000°K (DIMMABLE)	OXYGEN "REFLEX - 3-504-24" SERIES
L13	WALL MOUNTED DECORATIVE SCONCE WITH BELL STYLE BLACK FINISHED HOUSING. LAMPS: ONE(1) - A19 (E26), 8 WATT/ 700 LUMENS, 3000°K (DIMMABLE)	SAVOY HOUSE "GLENN - 1 LIGHT" SERIES
L14	WALL MOUNTED DECORATIVE WALL SCONCE WITH CYLINDRICAL SILVER GRAY HOUSING PROVIDING UP/DOWN LIGHT 55DEG OPTIC DISTRIBUTION LAMPS: L.E.D., 7 WATT, 1000 LUMENS (TOTAL), 3000°K DRIVER: 120 VOLT, PHASE DIMMING	ALW "CORE 4 - CRU4" SERIES
L15	WALL MOUNTED DECORATIVE WALL SCONCE WITH 20IN "RLM" DOME SHAPE HOUSING AND GOOSENECK STYLE ARM, HOUSING AND ARM TO BE BLACK FINISHED. LAMPS: ONE(1) - A19 (E26), 8 WATT/ 700 LUMENS (EACH), 3000°K (DIMMABLE)	BASELITE "WS20" SERIES WITH "E6" ARM SERIES
L16	WALL MOUNTED DECORATIVE SCONCE WITH MODERN SLEEK PLATINUM FINISHED BANDED METAL HOUSING AND PATTERN REFLECTIVE GLASS SHADE LAMPS: L.E.D., 9 WATT, 825 LUMENS, 3000°K DRIVER: 120 VOLT , PHASE DIMMING	KICHLER "SEDO - 49435PL" SERIES
L17	WALL MOUNTED DECORATIVE WALL SCONCE WITH LATERN STYLE ALUMINUM HOUSING WITH 4-SIDED CLEAR GLASS SHADE. LAMPS: THREE(3) - CHANDELIER (E12), 4 WATT/ 325 LUMENS (EACH), 3000°K (DIMMABLE)	HINKLEY "BROMLEY - 2365MB" SERIES
L18	MONOPOINT SURFACE MOUNTED TRACK HEAD STYLE SPOT LIGHT. FIXTURE TO BE MOUNTED ATOP "THEATER" ENTRANCE CANOPY TO UPLIGHT WALL. FIXTURE TO HAVE DIE-CAST ALUMINUM CYLINDRICAL HOUSING (BLACK FINISH) WITH FIELD ADJUSTABLE BEAM OPTICS. FIELD ADJUST OPTICS PER OWNER'S DISCRETION. LAMPS: L.E.D., 15 WATT, 1000 LUMENS, 3500°K DRIVER: 120 VOLT, PHASE DIMMING	JUNO "R620L - W/ MONOPOINT CANOPY" SERIES.
HB	EXISTING HIGH BAY WITHIN FACILITY TO BE RELOCATED FOR USE AS SHOWN. CONTRACTOR TO RMOVE "RELOC" CONNECTOR FROM FIXTURE IN ORDER TO REWIRE TO NEW CIRCUITRY AS SHOWN IN SPACE.	
X	EXIT SIGN WITH LED LAMP SOURCE, RED PANEL COVER, DIE-CAST ALUMINUM CONSTRUCTION, BRUSHED ALUMINUM FACE WITH BLACK HOUSING, UNIFORM LAMP DIFFUSER AND 120/277 VOLT INPUT. LAMPS: LED	LITHONIA "LQC" SERIES SURE-LITE DUAL-LITE CHLORIDE EVENLITE
NOTES	FIXTURES TO BE PROVIDED AS SPECIFIED. NO EQUALS.	

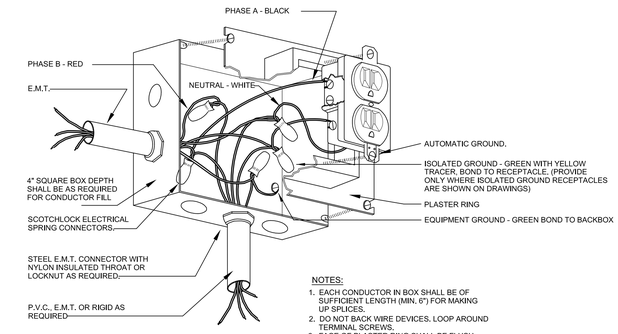
GENERAL NOTES:

1. DO NOT SCALE DRAWINGS TO LOCATE EQUIPMENT OR OUTLETS.
2. MOUNTING HEIGHTS AS INDICATED ON THE DRAWINGS SHALL BE FROM THE FINISHED FLOOR TO THE CENTER LINE OF THE OUTLET BOX.
3. THE ELECTRICAL DRAWINGS ARE ONLY A PART OF THE CONTRACT DOCUMENTS. ALL OF THE DRAWINGS AND SPECIFICATIONS MUST BE REVIEWED FOR THEIR INTERRELATIONSHIP AND REQUIRED COORDINATION BETWEEN DISCIPLINES.
4. 112 SYMBOL INDICATING ROOM OR SPACE NUMBER.
5. ALL CONDUIT ROUTED FROM DISCONNECT TO EXTERIOR HVAC UNITS SHALL BE ROUTED UNDERGROUND, TURN UP ADJACENT TO UNIT AND MAKE TRANSITION TO SEALTITE TO SERVE UNIT. CONDUIT SHALL BE, ROUTED CONCEALED IN WALL.
6. ALL FLUSH RECESSED OUTLET BOXES SHALL BE INSTALLED SUCH THAT FRONT EDGE OF BOX WILL NOT BE SET BACK OF THE FINISHED SURFACE MORE THAN 1/4" IN ORDER TO COMPLY WITH N.E.C, 314-20, SUPPORT OF OUTLET BOX BY RECEPTACLE AND COVERPLATE IS NOT ACCEPTABLE.
7. ALL CONDUIT, OUTLET BOXES, AND LOW VOLTAGE CABLING SHALL BE APPROPRIATELY SUPPORTED THROUGHOUT THE PROJECT. SUPPORT OF THESE ITEMS BY CEILING GRID OR GRID SUPPORT WIRES IS NOT ACCEPTABLE.
8. ALL EXTERIOR DISCONNECTS SHALL BE RATED NEMA 3R. ALL DISCONNECTS SHALL BE HEAVY DUTY TYPE, FUSIBLE, WITH EQUIPMENT GROUND BAR.
9. COORDINATE EXACT LOCATION OF ALL MECHANICAL AND PLUMBING EQUIPMENT WITH MECHANICAL AND PLUMBING CONTRACTOR PRIOR TO ROUGH IN, ADJUST LOCATION OF DISCONNECTING MEANS AND BRANCH CIRCUITRY AS REQUIRED.
10. PRIOR TO PROJECT COMPLETION, ELECTRICAL CONTRACTOR SHALL OBTAIN FINAL SPACE NUMBERS FROM OWNER AND/OR ARCHITECT. TYPEWRITTEN PANELBOARD DIRECTORIES SHALL REFLECT SPACE DESIGNATION OF EACH CIRCUIT. NO EXCEPTIONS.
11. REFER TO SPECIFICATIONS FOR HANGER SUPPORT WIRES REQUIRED FOR FIXTURES.
12. PROVIDE CONCRETE HOUSEKEEPING CURB AT ALL TRANSFORMERS AND PANELBOARDS.
13. PRIOR TO ROUGH-IN OF OUTLETS, COORDINATE AN ON SITE MEETING TO REVIEW EXACT LOCATIONS WITH FURNITURE PLAN.
14. ALL EMPTY CONDUITS SHALL BE PROVIDED WITH PULL STRINGS WITH ID TAG INDICATING TERMINATION LOCATION. LABEL AT EACH END. ALL STUB OUT CONDUITS SHALL BE MARKED.
15. ELECTRICAL CONTRACTOR SHALL WARRANTY ALL EQUIPMENT AND INSTALLATION OF SUCH FOR TWO (2) YEARS FROM DATE OF PROJECT ACCEPTANCE. WARRANTY APPLIES TO ENTIRE ELECTRICAL CONTRACTOR'S SCOPE.
16. ROUTE NEUTRAL CONDUCTOR DOWN TO SWITCH BOX CONTAINING WALL MOUNTED OCCUPANCY SENSORS, CAP OFF CONDUCTOR IF NOT NEEDED.
17. REFER TO SPECIFICATIONS SECTION 16075 FOR LABELING OF ALL JUNCTION BOX COVERS AS WELL AS I.D. TAGS FOR DISCONNECTS AND PANELBOARDS, PROVIDE ENGRAVED I.D. TAGS ON TEE GRID, CEILINGS DIRECTLY BELOW EACH EMERGENCY OVERRIDE LIGHTING RELAY AND EACH OCCUPANCY SENSOR POWER PACK.
18. ALL RECEPTACLES AND SWITCHES SHALL BE SIDEWIRED. CONTRACTOR MY ELECT TO USE FACTORY TERMINATED MALE / FEMALE QUICK CONNECTS. (P&S "PLUGTAIL" OR EQUAL), SEE SPECIFICATION SECTION 16140.
19. ALL LOW VOLTAGE CONDUCTORS NOT IN CONDUIT SHALL BE PLENUM RATED. ALL TY-WRAPS SUPPORTING SUCH SHALL BE PLENUM RATED. PROVIDE J-HOOKS AND SUPPORT MEANS AS REQUIRED.



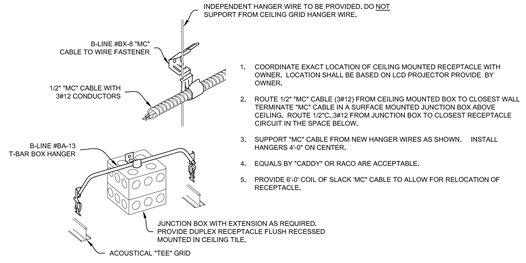
NOTES:
1. EACH CONDUCTOR IN BOX SHALL BE OF SUFFICIENT LENGTH (MIN. 6") FOR MAKING UP SPLICES.
2. DO NOT BACK WIRE DEVICES, LOOP AROUND TERMINAL SCREWS.
3. FACE OF PLASTER RING SHALL BE FLUSH WITH WALL.

1 / E1-00 — DETAIL - RECEPTACLE CONNECTION
SCALE: NONE



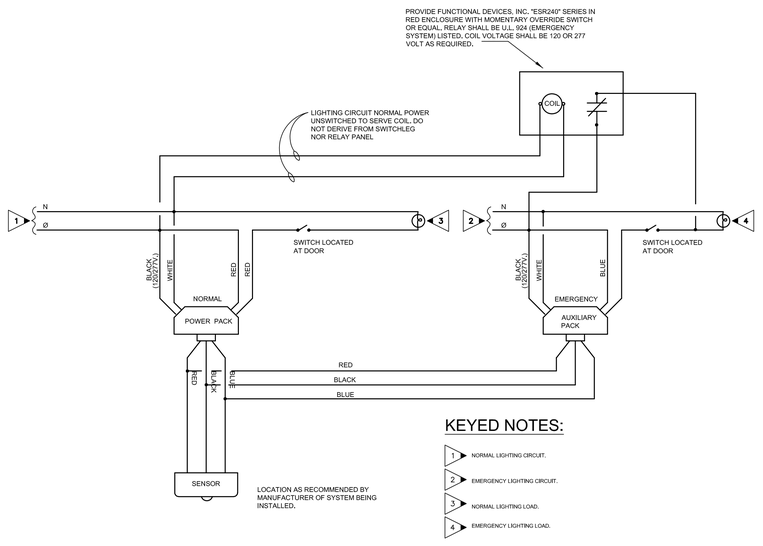
NOTES:
1. EACH CONDUCTOR IN BOX SHALL BE OF SUFFICIENT LENGTH (MIN. 6") FOR MAKING UP SPLICES.
2. DO NOT BACK WIRE DEVICES, LOOP AROUND TERMINAL SCREWS.
3. FACE OF PLASTER RING SHALL BE FLUSH WITH WALL.

2 / E1-00 — DETAIL - ISOLATED GROUND RECEPTACLE CONNECTION
SCALE: NONE



1. COORDINATE EXACT LOCATION OF CEILING MOUNTED RECEPTACLE WITH OWNER. LOCATION SHALL BE BASED ON LCD PROJECTOR PROVIDE BY OWNER.
2. ROUTE 1/2" "MC" CABLE (3#12) FROM CEILING MOUNTED BOX TO CLOSEST WALL TERMINATE "MC" CABLE IN A SURFACE MOUNTED JUNCTION BOX ABOVE CEILING. ROUTE 1/2"C.,3#12 FROM JUNCTION BOX TO CLOSEST RECEPTACLE CIRCUIT IN THE SPACE BELOW.
3. SUPPORT "MC" CABLE FROM NEW HANGER WIRES AS SHOWN. INSTALL HANGERS 4'-0" ON CENTER.
4. EQUALS BY "CADDY" OR RACO ARE ACCEPTABLE.
5. PROVIDE 6'-0" COIL OF SLACK "MC" CABLE TO ALLOW FOR RELOCATION OF RECEPTACLE.

4 / E1-00 — DETAIL - CEILING MOUNTED RECEPTACLE
SCALE: NONE



KEYED NOTES:
1. NORMAL LIGHTING CIRCUIT.
2. EMERGENCY LIGHTING CIRCUIT.
3. NORMAL LIGHTING LOAD.
4. EMERGENCY LIGHTING LOAD.

3 / E1-00 — OCCUPANCY SENSOR - EMERGENCY RELAY WIRING DIAGRAM
SCALE: NONE

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ISSUED FOR CONSTRUCTION DOCUMENTS

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Rev #	Date	Issue/Revision
1	02.03.23	ISSUED FOR CONSTRUCTION

GEORGIA REGISTERED NO. 25107 PROFESSIONAL ENGINEER MICHAEL C. MONGRELLA III
02-03-23

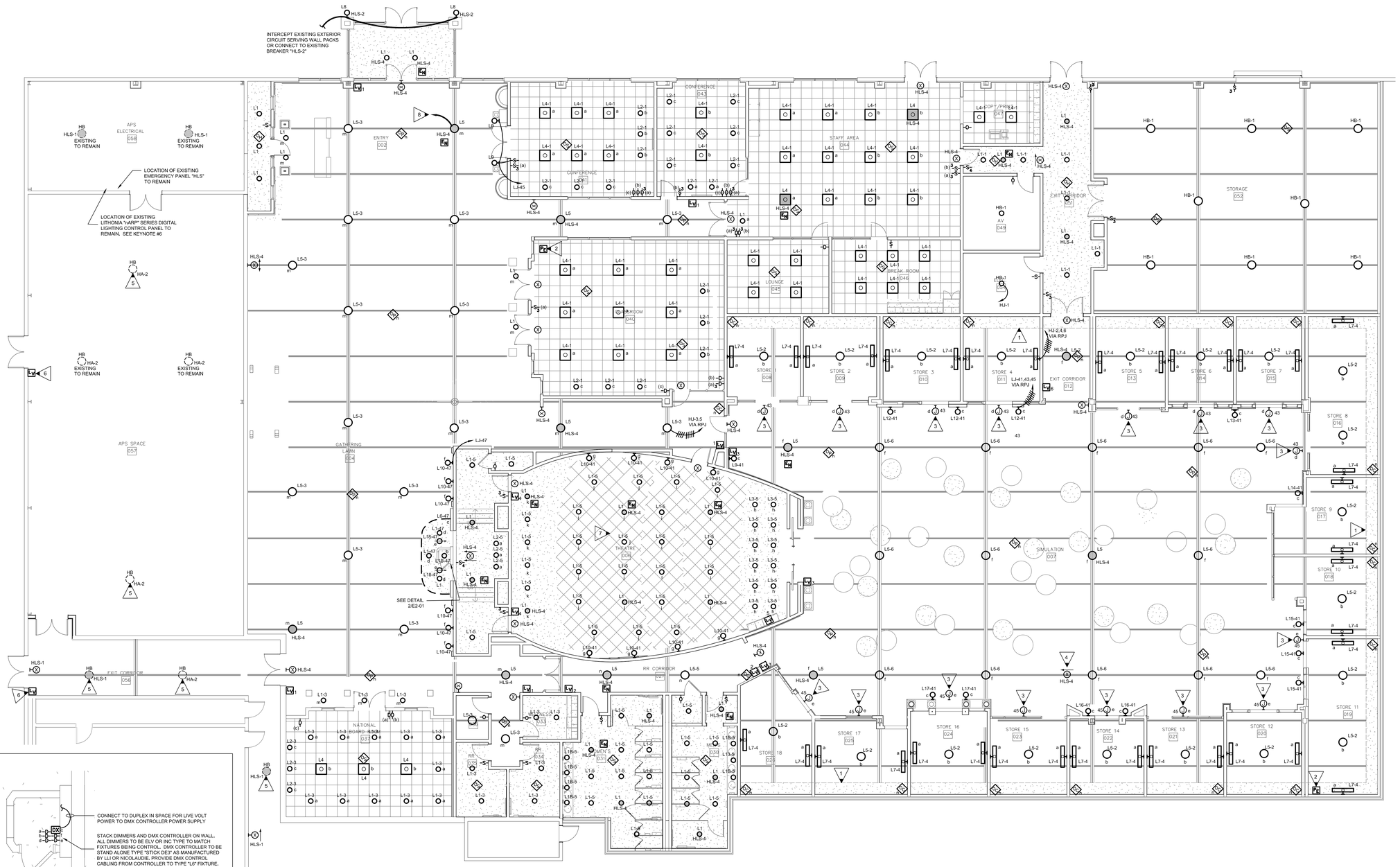
LEGEND, NOTES, DETAILS AND FIXTURE SCHEDULE

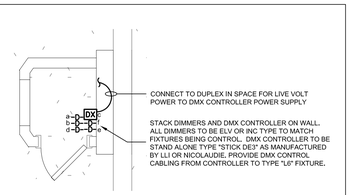
JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024

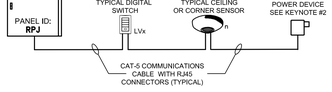
DRAWING NO:
E1-00





2 DETAIL - TICKET BOOTH
E2-01 SCALE: 1/2"=1'-0"

1 FLOOR PLAN - LIGHTING
E2-01 SCALE: 1/8"=1'-0"



3 DETAIL - RELAY PANEL RISER
E2-01 SCALE: NONE

NOTE: RISER DEPICTED IS SCHEMATIC IN NATURE ONLY TO INDICATE TYPICAL SYSTEM COMPONENTS AND CABLING ROUTING. REFER TO FLOOR PLANS DRAWINGS FOR EXACT NUMBER OF DEVICES. CONTRACTOR SHALL UTILIZE APPROVED MANUFACTURER SHOP DRAWINGS FOR FINAL CABLING ROUTING BETWEEN DEVICES.

LOW VOLTAGE SWITCHES:

LV1, LV2, LV4 DIGITAL LOW VOLTAGE SWITCH WITH 2-BUTTONS FOR ON/OFF CONTROL. LITHONIA "NPODMA xx".

LV3 DIGITAL LOW VOLTAGE SWITCH WITH 8-BUTTONS FOR 4-ZONE ON/OFF CONTROL. LITHONIA "NPODMA 4P xx"

LV5, LV6 DIGITAL LOW VOLTAGE TOUCHSCREEN LIGHTING CONTROLLER WITH 16 ZONE, 16 SCENE, AND BLUETOOTH CONNECTIVITY FOR ALTERNATE CONTROL. LOCATE POWER SUPPLY ABOVE ACCESSIBLE CEILING OR ON STRUCTURAL SUPPORT AT EXPOSED CEILING. LITHONIA "NPOD TOUCH".

RELAY PANEL NOTES:

1. PROVIDE DIGITAL RELAY PANEL CAPABLE OF 0/10V DIMMER PER RELAY. DIVISION 26 TO PROVIDE INSTALL 0/10V FROM ALL RELAYS/CONTROL PORTS TO ALL LIGHTING ON RELAYS ONE(1) THROUGH NINE(9). PANEL TO BE PROVIDED WITH INTEGRAL ASTRONOMIC TIMECLOCK, VOLTAGE BARRIER TO SEPARATE 120V & 277V CIRCUITS, AND LOW VOLTAGE CONTACTS FOR FIRE ALARM INTERFACE. ACTIVATION OF FIRE ALARM SHALL ENERGIZE ALL RELAYS WITHIN PANEL. PANEL SHALL BE LITHONIA "nARP INTENC16 16SPR 1VB" SERIES.
2. DIVISION 26 IS RESPONSIBLE FOR REVIEWING LOW VOLTAGE SWITCHING SCHEDULE AND PROVIDING REQUIRED NUMBER OF PHASE (SWITCHLEG) CONDUCTORS FROM PANEL RELAYS IN ORDER TO ACHIEVE SWITCHING OPTIONS AS NOTED.
3. COORDINATE DEFAULT PROGRAMMING OF ZONES, SCHEDULES, SCENES, ETC. WITH OWNER'S REP DURING TRAINING SESSION AS NOTED IN SPECIFICATIONS.
4. PROVIDE CABLING PER SPECIFICATIONS FROM ALL WALL SWITCHES TO RELAY PANELS AS SHOWN. PROVIDE NUMBER OF BUTTONS FOR EACH SWITCH AS SHOWN IN LOW VOLTAGE SWITCHING LEGEND.
5. DIVISION 26 TO SUBMIT LIGHTING CONTROLS SHOP DRAWING ON CURRENT FLOOR DETAIL LOCATION AND BoM FOR ALL DEVICES BEING PROVIDED. SHOP DRAWING SHOULD SITE SPECIFIC CABLING RISER AS DESIGNED BY MANUFACTURER OR AUTHORIZED MANUFACTURER CONTROLS SPECIALIST.

LOW VOLTAGE SWITCHING SCHEDULE

RELAY PANEL RPJ

RELAY	SWITCH	CIRCUIT PANELBOARD	LIGHTING CONTROLLED (AREA)
1 (a)	LV3 & LV6	HJ - 4	STORE WALL MOUNTED LINEARS
2 (b)	LV3 & LV6	HJ - 2	STORE HIGHBAYS
3 (f)	LV3 & LV6	HJ - 6	SIMULATION HIGHBAYS
4 (h)	LV4 & LV5	HJ - 5	THEATER DOWNLIGHTS FRONT
5 (i)	LV4 & LV5	HJ - 5	THEATER DOWNLIGHTS MID-FRONT
6 (j)	LV4 & LV5	HJ - 5	THEATER DOWNLIGHTS MID-REAR
7 (k)	LV4 & LV5	HJ - 5	THEATER DOWNLIGHTS REAR
8 (m)	LV1	HJ - 3	GATHERING LIGHTS
9 (n)	LV2	HJ - 5	HALLWAY LIGHTS
10			SPARE
		VOLTAGE BARRIER	
11			SPARE
12			SPARE
13 (c)	LV3 & LV6	LJ - 41	STORE FRONT DECORATIVE LIGHTING
14 (d)	LV3 & LV6	LJ - 43	STORE FRONT SIGNAGE
15 (e)	LV3 & LV6	LJ - 45	STORE FRONT SIGNAGE
16 (g)	LV4 & LV5	LJ - 41	THEATER SCONCES

REMARKS:
– CROSS REFERENCE LOWER CASE LETTING FOR RELAY CONTROL WITH LOWER LETTERING AT FIXTURE.

KEYED NOTES:

1. DASHED LINE SHOW INDICATES EDGE OF SOFFIT AT WALL WITH CHASE ABOVE. ALL CONDUIT REQUIRED TO SERVE DEVICES WITHIN "STORE" SPACES SHALL BE AROUND WITHIN WALLS TO STUB-OUT AT CHASE. DO NOT ROUTE DIRECTLY TO STRUCTURE NOR ACROSS "SIMULATION" SPACE BUT INSTEAD UTILIZE CHASE TO ROUTE AROUND "SIMULATION" SPACE. SEE DETAIL 1/A4-80 FOR CHASE DETAIL.
2. DIGITAL LIGHTING CONTROL POWER EXTENDER FOR BUS POWER (POE) TO DIGITAL LIGHTING CONTROL DEVICE (LITHONIA "NPS 80") TO BE LOCATED ABOVE GRID CEILING OR WITHIN CHASE. LOCATION SHOWN FOR REFERENCE ONLY. CONFIRM EXACT LOCATION WITHIN CABLING ROUTING WITH LIGHTING CONTROLS VENDOR SHOP DRAWINGS PRIOR TO INSTALLATION.
3. JUNCTION BOX FLUSH WALL MOUNTED ABOVE STORE ENTRANCE FOR LIGHTED SIGNAGE. COORDINATE EXACT LOCATION OF JUNCTION BOX WITH ARCHITECTURAL ELEVATIONS AS WELL AS LOCATION OF TOGGLE SWITCH (IF REQUIRED) WITHIN STORE WITH SIGNAGE VENDOR / INSTALLER.
4. EXIT SIGN TO BE STEM MOUNTED FROM STRUCTURAL TRUSS/BEAM.
5. EXISTING LIGHTING TO BE RELOCATED THIS LOCATED. UTILIZE FIXTURES WITHIN SCOPE WHICH ARE TO BE REMOVE PER GENERAL NOTE #1. EXISTING FIXTURE ARE SERVED WITH ACUITY BRANDS "RELOC" WIRING CONNECTOR. DIVISION 26 TO PURCHASE NEW CONNECTORS AS REQUIRED TO INTERCEPT EXISTING "RELOC" WIRING AND INSTALL RELOCATED FIXTURE TO EXISTING CIRCUITS AS INDICATED AT FIXTURE.
6. PROVIDE NEW LOW VOLTAGE DIGITAL LIGHTING CONTROL SWITCH STATION FOR CONTROL OF LIGHTING. SWITCH IS REQUIRED TO BE LITHONIA "NPODMA GY" IN ORDER TO WORK WITH EXISTING LITHONIA (nLIGHT) LIGHTING CONTROL SYSTEM CURRENTLY INSTALLED AND CONTROLLING LIGHTING IN THIS AREA. CONTRACTOR TO PROVIDE NEW CABLING, SPLITTERS, POWER EXTENDERS, ETC, AS REQUIRED TO INTEGRATE THESE DEVICES WITHIN EXISTING SYSTEM. SWITCHES SHALL PROGRAMMED TO OPERATE EXISTING LIGHTING ZONE CURRENTLY COVERING THIS AREA.
7. ALL LIGHT FIXTURES IN THIS SPACE SHALL BE SET TO HIGHEST LUMEN OUTPUT.
8. ROUTE TO EXISTING 20A/1P BREAKER IN EXISTING PANEL "HLS". SEE INSTALLATION INSTRUCTIONS ON LOCAL EMERGENCY OVERRIDE DEVICES. "EN" DEVICE SHALL BE CONNECTED SUCH THAT FIXTURES WHERE SHOWN IN SAME SPACE SHALL BE CONTROLLED TOGETHER. DERIVE CONSTANT "NORMAL" HOT FOR SIGNAL TO DEVICE FROM "HJ" CIRCUIT SERVING NORMAL FIXTURES IN THE SPACE (DO NOT ROUTE THROUGH RELAY PANEL).

GENERAL NOTES:

1. EXISTING HIGHBAY FIXTURES "HB" ARE NOT SHOWN. DIVISION 26 TO REMOVE ALL EXISTING FIXTURE WHICH FALL WITHIN AREA OR WORK AND REUTILIZE AS DIRECT ON THIS SHEET OR TURN OVER TO OWNER.
2. LOWER CASE LETTERS AT SWITCHES AND LIGHT FIXTURES ON THIS SHEET ARE SHOWN TO CLARIFY THE FIXTURES BEING CONTROLLED BY THE ASSOCIATED SWITCHES. LETTERING AT EMERGENCY FIXTURES INDICATES CONTROL INPUT SWITCHLEG SOURCE TO OVERRIDE FROM NORMAL CIRCUIT.
3. ALL DEVICES LOCATED IN ACCORDANCE TO ROOM LAYOUT. REFER TO EACH CLASSROOM FOR ROOM LAYOUT AND MATCH DEVICE LAYOUT ACCORDINGLY. REFER 1/4" SCALE PLANS FOR EACH CLASSROOMS ACTUAL CIRCUIT HOMERUN DESIGNATIONS.
4. OCCUPANCY SENSOR SHALL BE LOCATED TO PROVIDE MAXIMUM COVERAGE FOR ROOM. REFER TO DETAILS AND MANUFACTURER LAYOUT FOR CONNECTIONS.
5. PROVIDE UN-SWITCHED EMERGENCY "HOT" CONDUCTOR FROM CIRCUIT "HLS-4" TO EACH EXIT SIGNS.
6. PROVIDE NEUTRAL CONDUCTOR TO ALL WALL MOUNTED OCCUPANCY SENSORS, IF SENSOR DOES NOT REQUIRE NEUTRAL, CAP NEUTRAL IN BOX.
7. CONTRACTOR SHALL PROVIDE CLASS 2,600 VOLT RATED, 0-10 VOLT CONTROL WIRING FOR ALL L.E.D. FIXTURES WHERE CONTROLLED BY LOW-VOLTAGE CONTROLLERS OR WALL BOX DIMMERS.
8. FOR ALL CONDUIT INSTALLATIONS, CONTRACTOR SHALL PULL #18 AWG TFN SOLID COPPER CONTROL WIRING IN SAME CONDUIT AS LINE-VOLTAGE CONDUCTORS SHALL BE PURPLE AND GRAY. FIXTURE WHIPS SHALL BE PROVIDED WITH CONTROL WIRING INSTALLED IN WHIPS TO MATCH INSTALLATION. FIXTURE WHIPS SHALL NOT EXCEED 6'-0" IN LENGTH, NO EXCEPTIONS.
9. WHERE EMERGENCY OVERRIDE RELAYS ARE SHOWN IN AREAS WITH GYPBOARD (OR INACCESSIBLE CEILINGS), RELAY SHALL BE LOCATED IN ADJACENT SPACE WITH ACOUSTICAL TILE CEILING. PROVIDE LABEL AT T-GRID PER DETAIL 5/E6-00.
10. HOMERUN CIRCUITS ARE SHOWN AS NOTED. PROVIDE ALL BRANCH CIRCUIT CONDUIT/CONDUCTORS/TRAVELERS AS NECESSARY TO CONNECT ALL DEVICES SHOWN ON THE CIRCUIT, PROVIDE DEDICATED NEUTRALS FOR ALL CIRCUITS.

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Rev #	Date	Issue/Revision
1	02.03.23	ISSUED FOR CONSTRUCTION

GEORGIA REGISTERED NO. 25107 PROFESSIONAL ENGINEER MICHAEL C. MONGRELLE
02-03-23

FLOOR PLAN - LIGHTING

JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024

DRAWING NO:

E2-01

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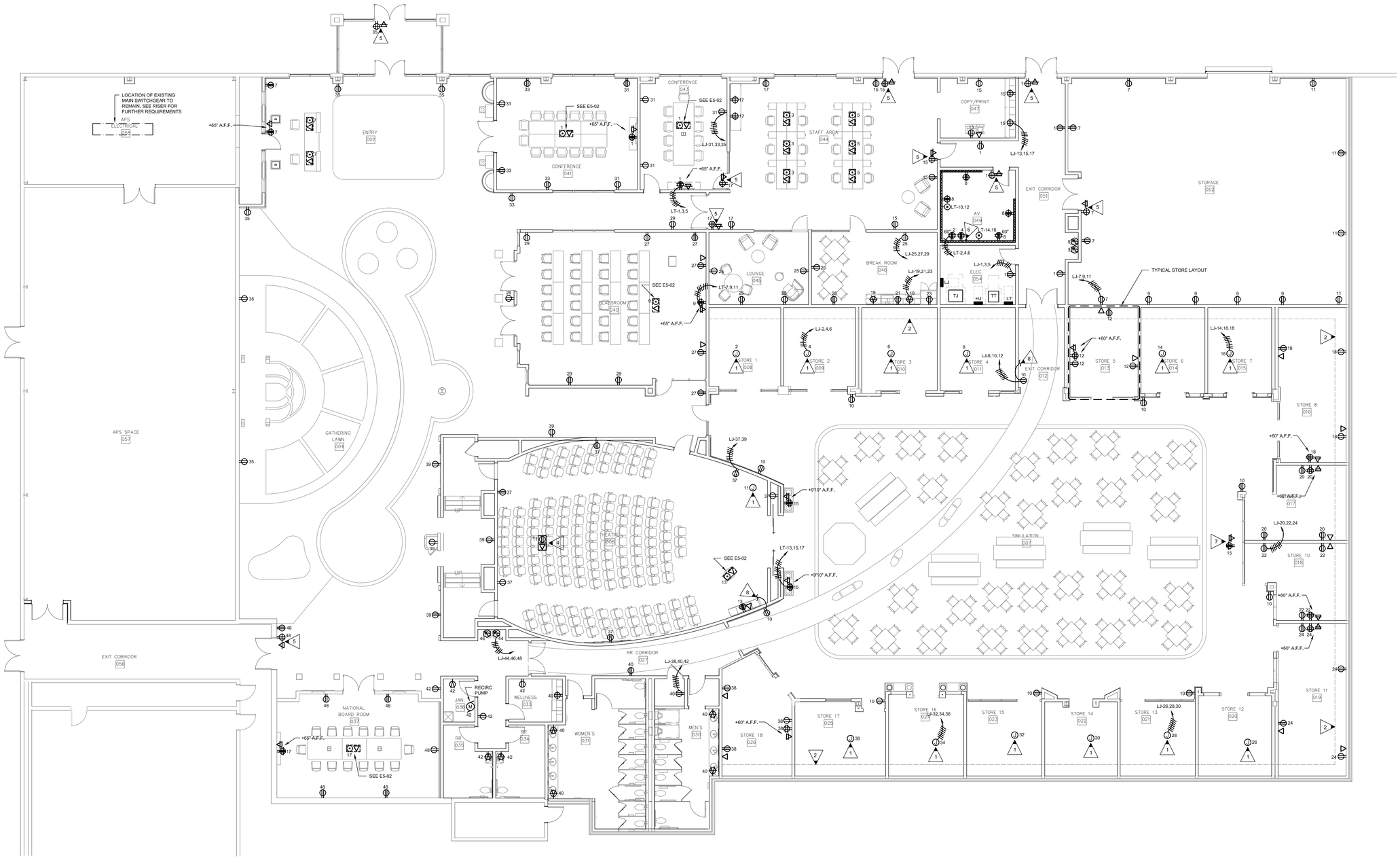
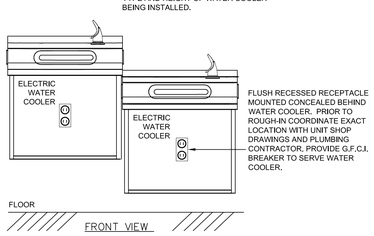
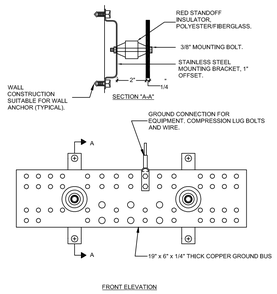
EDC PROJECT #: 22185



NOTE: CONSULT PLUMBING SHOP DRAWING FOR TYPE AND HEIGHT OF WATER COOLER BEING INSTALLED.



2 / E3-01 DETAIL RECEPTACLE LOCATION @ ELECTRIC WATER COOLER
SCALE: NONE



3 / E3-01 DETAIL - TELECOMMUNICATIONS GROUND BAR
SCALE: 1/8"=1'-0"

KEYED NOTES:

1. SEE TYPICAL LAYOUT IN STORE #5 FOR LAYOUT IN THIS SPACE. CONTRACTOR TO UTILIZE SAME LAYOUT FOR THIS SPACE AND CONNECT TO CIRCUIT INDICATED AT JUNCTION BOX. SEE KEYNOTE #2 IN REGARDS TO CONDUIT ROUTING TO/FROM SPACE.
2. DASHED LINE SHOW INDICATES EDGE OF SOFFIT AT WALL WITH CHASE ABOVE. ALL CONDUIT REQUIRED TO SERVE DEVICES WITH IN "STORE" SPACES SHALL BE AROUND WITHIN WALLS TO STUB-OUT AT CHASE. DO NOT ROUTE DIRECTLY TO STRUCTURE NOR ACROSS "SIMULATION" SPACE BUT UTILIZE CHASE TO ROUTE AROUND "SIMULATION" SPACE. SEE DETAIL 1/A4-80 FOR CHASE DETAIL.
3. JUNCTION BOX ABOVE CEILING FOR 120V CONNECTION TO PROJECTION SCREEN. COORDINATE EXACT LOCATION WITH SCREEN PROVIDER PRIOR TO ROUGH-IN.
4. FLUSH CEILING MOUNTED (OR SURFACE TO STRUCTURAL BEAM IN EXPOSED CEILING SPACES) DUPLEX AND TELECOMMUNICATION OUTLETS FOR CONNECTION TO PROJECTOR. COORDINATE EXACT LOCATION WITH PROJECTOR PROVIDER PRIOR TO ROUGH-IN.
5. WALL MOUNTED DUPLEX AND TELECOMMUNICATION OUTLET ABOVE CEILING AT DOOR FOR DOOR ACCESS CONTROLS 120V POWER AND COMMUNICATION. COORDINATE EXACT LOCATION WITH DOOR ACCESS CONTROLS VENDOR PRIOR TO ROUGH-IN.
6. TELECOMMUNICATIONS GROUND BAR, SEE DETAIL 3/E3-01. BOND TO GROUND BAR IN PANELBOARD "LT" WITH #6 AWG CONDUCTOR
7. STRUCTURAL MOUNTED ISOLATED GROUND QUADRUPLEX AND TELECOMMUNICATION OUTLETS FOR SUSPENDED VIEWING MONITOR. COORDINATE EXACT LOCATION WITH A/V VENDOR PRIOR TO ROUGH-IN.
8. TO POWER SUPPLY FOR LOW VOLTAGE LIGHTING TOUCH SCREEN. SEE E2-01 FOR LOCATION OF SCREEN. LOCATE POWER SUPPLY ABOVE ACCESSIBLE CEILING OR ON STRUCTURAL MEMBER AT EXPOSED CEILING.

GENERAL NOTES:

1. VERIFY MOUNTING HEIGHTS OF ALL ELECTRICAL OUTLETS WITH ARCHITECTURAL ELEVATIONS AND MILLWORK DRAWINGS PRIOR TO ROUGH IN.
2. SAWCUT EXISTING SLAB AS REQUIRED TO INSTALL ALL FLOORBOXES SHOWN.
3. HOMERUN CIRCUITS ARE SHOWN AS NOTED. PROVIDE ALL BRANCH CIRCUIT CONDUIT/CONDUCTORS AS NECESSARY TO CONNECT ALL DEVICES SHOWN ON THE CIRCUIT. PROVIDE DEDICATED NEUTRALS FOR ALL CIRCUITS.
4. REFER TO SYMBOL LEGEND ON E1-00 FOR TELECOMMUNICATION BACKBOX AND CONDUIT REQUIREMENTS.

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GEORGIA REGISTERED NO. 25107 PROFESSIONAL ENGINEER MICHAEL C. MONGRELL
02-03-23

ISSUED FOR CONSTRUCTION DOCUMENTS

FLOOR PLAN - POWER

JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024
DRAWING NO:
E3-01

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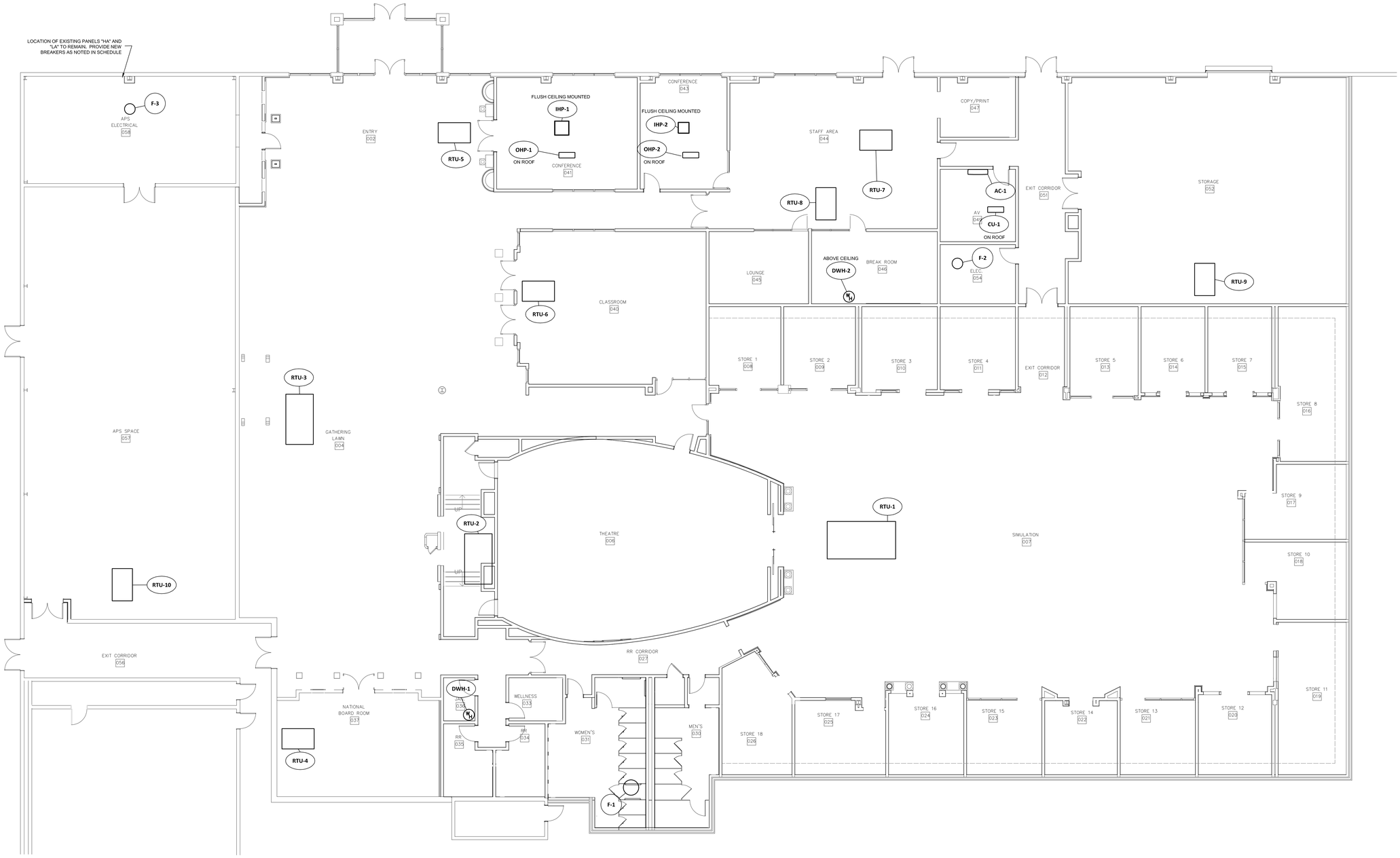
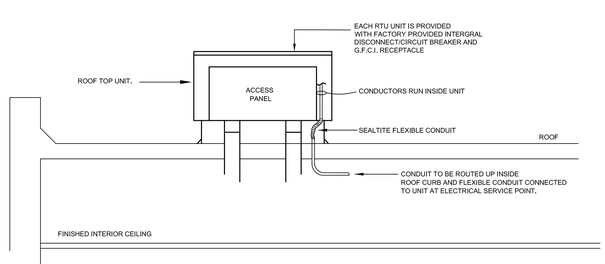
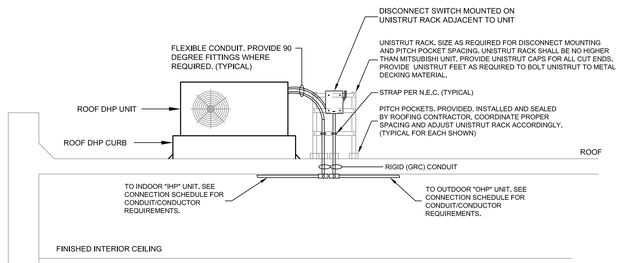


1 E4-01 FLOOR PLAN - MECHANICAL POWER
SCALE: 1/8"=1'-0"



NOTE: ELECTRICAL CONTRACTOR SHALL COORDINATE PRIOR TO ROUGH-IN OF MECHANICAL UNIT THE EXACT ELECTRICAL SERVICE CONNECTION POINT WITH MECHANICAL CONTRACTOR AND EQUIPMENT ROUGH-IN SHOP DRAWINGS.

2 E4-01 DETAIL - ROOF TOP UNIT MOUNTED DISCONNECT
SCALE: NONE



NOTE: ELECTRICAL CONTRACTOR SHALL COORDINATE PRIOR TO ROUGH-IN OF MECHANICAL UNIT THE EXACT ELECTRICAL SERVICE CONNECTION POINT WITH MECHANICAL CONTRACTOR AND EQUIPMENT ROUGH-IN SHOP DRAWINGS.

3 E4-01 DETAIL - OHP ROOF TOP UNIT
SCALE: NONE

MECHANICAL CONNECTION SCHEDULE (a)

ITEM NO.	CHARACTERISTICS VOLTS	PH	KW	CIRCUIT	FEEDER	DISCONNECTION MEANS	NOTES
AC-1	208	1	0.1	LJ - 62,64	3#12	30A/2P/3R DISCONNECT	FED FROM OUTDOOR UNIT PER DETAIL
CU-1	208	1	2.7	LJ - 62,64	4#12	30A/2P MOTOR RATED SWITCH	
DWH-1	120	1	2	LJ - 63	3#10	30A/1P MOTOR RATED SWITCH	
DWH-2	120	1	2	LJ - 65	3#10	30A/1P MOTOR RATED SWITCH	
F-1	120	1	1.2	LJ - 59	3#12	30A/1P MOTOR RATED SWITCH	
F-2	120	1	1.2	LJ - 61	3#12	30A/1P MOTOR RATED SWITCH	
F-3	120	1	1.2	EXISTING LA	3#12	30A/1P MOTOR RATED SWITCH	CONNECT TO SPARE 20A/1P BREAKER
IHP-1	208	1	0.1	LJ - 66,68	4#12	30A/2P MOTOR RATED SWITCH	FED FROM OUTDOOR UNIT PER DETAIL
IHP-2	208	1	0.1	LJ - 70,72	4#12	30A/2P MOTOR RATED SWITCH	FED FROM OUTDOOR UNIT PER DETAIL
OHP-1	208	1	2.7	LJ - 66,68	3#12	30A/2P/3R DISCONNECT	
OHP-2	208	1	2.7	LJ - 70,72	3#12	30A/2P/3R DISCONNECT	

MECHANICAL CONNECTION SCHEDULE (b)

ITEM NO.	CHARACTERISTICS VOLTS	PH	KW	CIRCUIT	FEEDER	DISCONNECTION MEANS	NOTES
RTU-1	480	3	85	HJ - 20	2"C., 3#2, 1#6G	PROVIDED W/ UNIT	
RTU-2	480	3	56	HJ - 17	1-1/4"C., 3#4, 1#8G	PROVIDED W/ UNIT	
RTU-3	480	3	56	HJ - 18	1-1/4"C., 3#4, 1#8G	PROVIDED W/ UNIT	
RTU-4	480	3	21	HJ - 9	4#10	PROVIDED W/ UNIT	
RTU-5	480	3	34	HJ - 13	1"C., 3#8, 1#10G	PROVIDED W/ UNIT	
RTU-6	480	3	21	HJ - 10	4#10	PROVIDED W/ UNIT	
RTU-7	480	3	34	HJ - 14	1"C., 3#8, 1#10G	PROVIDED W/ UNIT	
RTU-8	480	3	21	HJ - 11	4#10	PROVIDED W/ UNIT	
RTU-9	480	3	21	HJ -12	4#10	PROVIDED W/ UNIT	
RTU-10	480	3	21	EXISTING HA	4#10	PROVIDED W/ UNIT	PROVIDE NEW 30A/3P BREAKER AT PANEL

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GEORGIA REGISTERED NO. 25107 PROFESSIONAL ENGINEER MICHAEL C. MONGRUE
02.03.23

ISSUED FOR CONSTRUCTION DOCUMENTS

FLOOR PLAN - MECHANICAL POWER

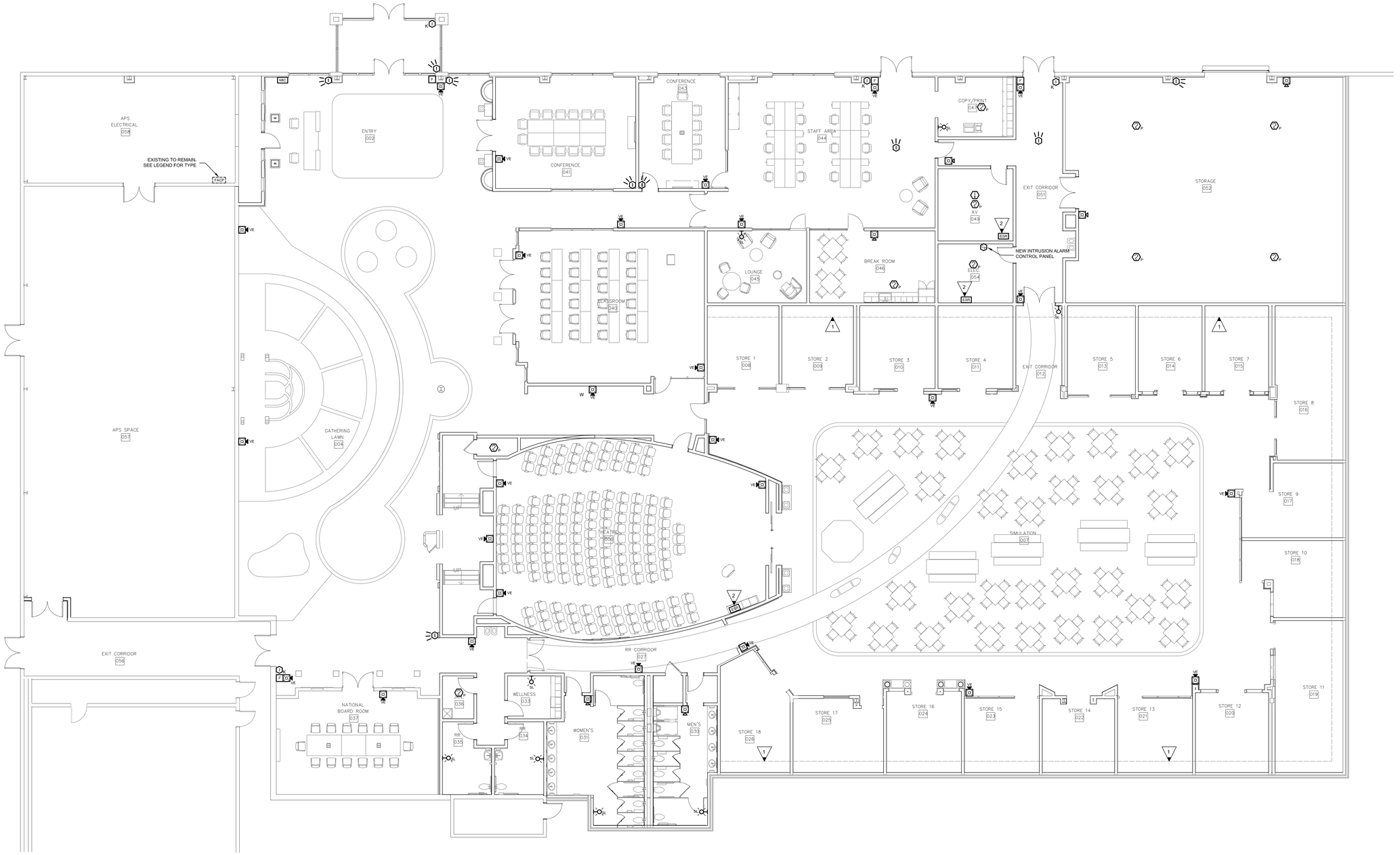
JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024

DRAWING NO:

E4-01



1 E5-01 FLOOR PLAN - FIRE AND INTRUSION ALARM SYSTEMS
SCALE: 1/8"=1'-0"

KEYED NOTES:

1. DASHED LINE SHOW INDICATES EDGE OF SOFFIT AT WALL WITH CHASE ABOVE. ALL CONDUIT REQUIRED TO SERVE DEVICES WITH IN "STORE" SPACES SHALL BE AROUND WITHIN WALLS TO STUB-OUT AT CHASE. DO NOT ROUTE DIRECTLY TO STRUCTURE NOR ACROSS "SIMULATION" SPACE -BUT INSTEAD UTILIZE CHASE TO ROUTE AROUND "SIMULATION" SPACE. SEE DETAIL 1/A4-80 FOR CHASE DETAIL.
2. FIRE ALARM DRY CONTACT INTERFACE MODULE AT AUDIO/VISUAL SOUND RACK. COORDINATE WITH A/V INSTALLER SUCH THAT ACTIVATION OF FIRE ALARM WILL SHUNT SOUND OUTPUT FROM AUDIO AMPLIFIER RACK.
3. FIRE ALARM DRY CONTACT INTERFACE MODULE AT LIGHTING RELAY PANEL "RP_". COORDINATE WITH LIGHTING RELAY PANEL PROVIDER SUCH THAT ACTIVATION OF FIRE ALARM WILL TRIGGER ALL RELAYS IN PANEL TO CLOSE AND ACTIVATE LIGHTING.

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02-03-23

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FLOOR PLAN - FIRE AND INTRUSION ALARM SYSTEMS

JUNIOR ACHIEVEMENT

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COMMISSION NO: 22_024

DRAWING NO:
E5-01

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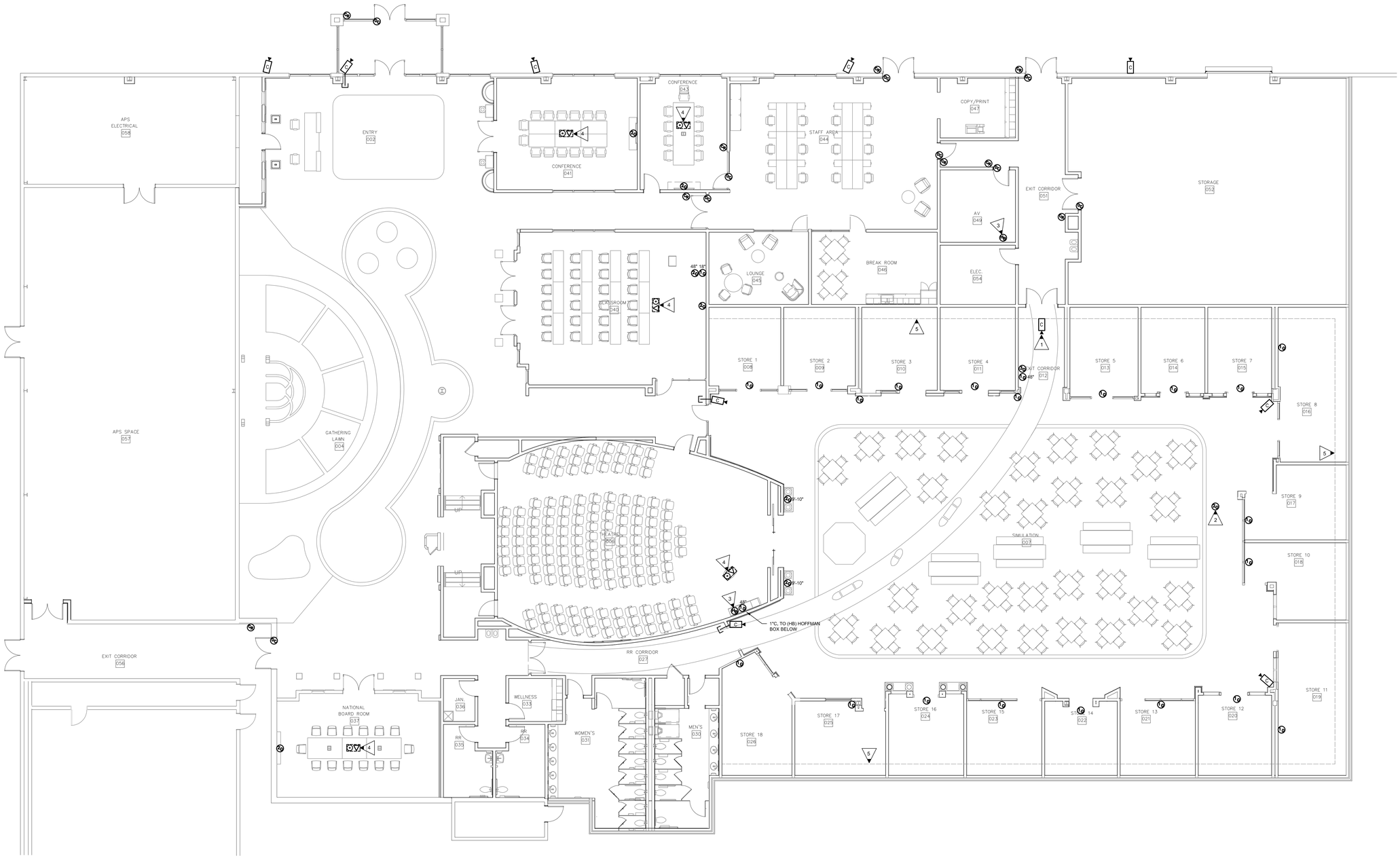

FLOOR PLAN - ACCESS CONTROL, SECURITY CAMERAS, AND THEATRICAL BACKBOX / CONDUIT

1 / E5-02 SCALE: 1/8" = 1'-0"

KEYED NOTES:

1. MOUNT BACKBOX FLUSH IN VERTICAL FACE OF SOFFIT.
2. SURFACE MOUNTED TO STRUCTURE ABOVE. COORDINATE LOCATION WITH A/V VENDOR EXACT LOCATION OF SCREEN
3. 8"x8"x4" HOFFMAN BACKBOX TO BE INSTALLED AT 18" AFF. PROVIDE QUANTITY FIVE(5) - 1"C. TO STUB-OUT ABOVE ACCESSIBLE CEILING.
4. IN LIEU OF BOX NOTED IN SPECIFICATIONS, PROVIDE AND INSTALL HUBBELL "CFB6G30" SERIES AT THIS LOCATION. PROVIDE AND INSTALL FACEPLATE (TYPE TO BE COORDINATED WITH A/V VENDOR). IN ADDITION TO TELECOMMUNICATION AND POWER CONDUITS, PROVIDE 1-1/4"C. WITH PULLSTRING FROM BOX TO NEAREST WALL AND STUB-OUT ABOVE CEILING.
5. DASHED LINE SHOW INDICATES EDGE OF SOFFIT AT WALL WITH CHASE ABOVE. ALL CONDUIT REQUIRED TO SERVE DEVICES WITH IN "STORE" SPACES SHALL BE AROUND WITHIN WALLS TO STUB-OUT AT CHASE. DO NOT ROUTE DIRECTLY TO STRUCTURE NOR ACROSS "SIMULATION" SPACE. BUT UTILIZE CHASE TO ROUTE AROUND "SIMULATION" SPACE. SEE DETAIL 1/A4-80 FOR CHASE DETAIL.

GENERAL NOTES:

1. REFER TO SYMBOL LEGEND ON E1-00 FOR BACKBOX AND CONDUIT REQUIREMENTS TO BE PROVIDED AND INSTALLED BY DIVISION 26.
2. DIVISION 26 CONTRACTOR TO SCHEDULE ON-SITE MEETING FOR OWNER'S ACCESS CONTROL, SECURITY CAMERA, AND AUDIO/VISUAL VENDOR(S) PRIOR TO ROUGH-IN TO CONFIRM ALL EXACT BACKBOX HEIGHTS AND LOCATIONS.

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GEORGIA REGISTERED NO. 25107 PROFESSIONAL ENGINEER MICHAEL C. MONGRELLI
02.03.23

ISSUED FOR CONSTRUCTION DOCUMENTS

FLOOR PLAN - LOW VOLTAGE BACKBOX AND CONDUIT ONLY

JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024

DRAWING NO:

E5-02

ELECTRICAL DESIGN CONSULTANTS, INC
ELECTRICAL ENGINEERS
1201 BROAD ST., SUITE 1-A
AUGUSTA, GA 30901
PH: (706) 724-3551
FAX: (706) 724-8507
EDC PROJECT #: 22185

PANEL HJ

VOLTAGE	480 /277		MAIN AMPS	600	LOCATION / ELECTRICAL ROOM
PHASE	3		A.I.C. RATING	22,000	MOUNTING / SURFACE
WIRE	4				MAIN / BREAKER

SERVING	LOAD (KVA) LTS	REC	HVAC	MISC	BREAKER AMPS	P	CKT NO.	CKT NO.	BREAKER P	AMPS	LOAD (KVA) LTS	REC	HVAC	MISC	SERVING
STAFF/CONF LIGHTS	2.8				20	1	1	2	1	20	2.9				STORE HIGHBAYS LIGHTS
GATHERING/BOARD LGTS	3.0				20	1	3	4	1	20	1.3				STORE WALL LIGHTS
THEATRE/RR LIGHTS	1.2				20	1	5	6	1	20	2.1				SIMULATION LIGHTS
SPARE					30	3	7	8	3	30					SPARE
RTU-4			21.6		30	3	9	10	3	30			21.6		RTU-6
RTU-8			21.6		30	3	11	12	3	30			21.6		RTU-9
RTU-5			34		45	3	13	14	3	45			34.0		RTU-7
TRANSFORMER "TT"		15			50	3	15	16	3	60					SPARE
RTU-2			56.5		80	3	17	18	3	80			56.5		RTU-3
TRANSFORMER "TJ"		60			100	3	19	20	3	125			85		RTU-1

PANEL LJ

VOLTAGE	208 /120		MAIN AMPS	225	LOCATION / ELECTRICAL ROOM
PHASE	3		A.I.C. RATING	10,000	MOUNTING / SURFACE
WIRE	4				MAIN / BREAKER

SERVING	LOAD (KVA) LTS	REC	HVAC	MISC	BREAKER AMPS	P	CKT NO.	CKT NO.	BREAKER P	AMPS	LOAD (KVA) LTS	REC	HVAC	MISC	SERVING
ELEC/CORRIDOR		1.2			20	1	1	2	1	20		1.0			STORE #1
WATER COOLER				0.4	20*	1	3	4	1	20		1.0			STORE #2
WATER COOLER				0.4	20*	1	5	6	1	20		1.0			STORE #3
STORAGE		0.8			20	1	7	8	1	20		1.0			STORE #4
STORAGE		0.8			20	1	9	10	1	20		1.8			SIMULATION
STORAGE		0.8			20	1	11	12	1	20		1.0			STORE #5
COPIER				0.9	20	1	13	14	1	20		1.0			STORE #6
COPY PRINT / STAFF		1.6			20	1	15	16	1	20		1.0			STORE #7
STAFF AREA		1.0			20	1	17	18	1	20		1.0			STORE #8
BREAK RM COUNTER		0.4			20	1	19	20	1	20		1.0			STORE #9
DISHWASHER				1.2	20*	1	21	22	1	20		1.0			STORE #10
REFRIGERATOR				1.1	20*	1	23	24	1	20		1.0			STORE #11
BREAK RM / LOUNGE		1.4			20	1	25	26	1	20		1.0			STORE #12
CLASSROOM		1.0			20	1	27	28	1	20		1.0			STORE #13
CLASSROOM		1.0			20	1	29	30	1	20		1.0			STORE #14
CONFERENCE		1.0			20	1	31	32	1	20		1.0			STORE #15
CONFERENCE		1.0			20	1	33	34	1	20		1.0			STORE #16
ENTRY / GATHERING		1.2			20	1	35	36	1	20		1.0			STORE #17
THEATRE		1.2			20	1	37	38	1	20		1.0			STORE #18
THEATRE ENTRANCE		1.0			20	1	39	40	1	20		1.2			GANG TOILETS / WELLNESS
SIM DECORATIVE LIGHTS	0.4				20	1	41	42	1	20		1.2			JANITOR / TOILETS
STORE SIGNAGE	1.8				20	1	43	44	1	20*				0.4	WATER COOLER
STORE SIGNAGE	1.8				20	1	45	46	1	20*				0.4	WATER COOLER
THEATER ENTRY LIGHTS	0.5				20	1	47	48	1	20		1.2			BOARD ROOM
SPARE					20	1	49	50	1	20					SPARE
SPARE					20	1	51	52	1	20					SPARE
SPARE					20	1	53	54	1	20					SPARE
SPARE					20	1	55	56	1	20					SPARE
SPARE					20	1	57	58	1	20					SPARE
F-1			1.2		20	1	59	60	1	20					SPARE
F-2			1.2		20	1	61	62	2	20			2.8		AC-1 / CU-1
DWH-1			2.0		30	1	63	64							
DWH-2			2.0		30	1	65	66	2	20			2.8		IHP-1 / OHP-1
T.V.S.S.					40	3	67	68							
							69	70	2	20			2.8		IHP-2 / OHP-2
							71	72							
								74							
								76							
								78							
								80							
								82							
								84							

PANEL LT

VOLTAGE	208 /120		MAIN AMPS	100	LOCATION / ELECTRICAL ROOM
PHASE	3		A.I.C. RATING	10,000	MOUNTING / SURFACE
WIRE	4				MAIN / BREAKER

SERVING	LOAD (KVA) LTS	REC	HVAC	MISC	BREAKER AMPS	P	CKT NO.	CKT NO.	BREAKER P	AMPS	LOAD (KVA) LTS	REC	HVAC	MISC	SERVING
CONFERENCE ROOMS		1.5			20	1	1	2	1	20		0.8			DATA RACK
STAFF FLOOR		1.1			20	1	3	4	1	20		0.8			DATA RACK
STAFF FLOOR		1.1			20	1	5	6	1	20		0.5			A/V RACK
ENTRY DESKS		1.3			20	1	7	8	1	20		0.6			A/V WALL
CLASSROOM		1.5			20	1	9	10	2	30					SPARE
THEATER PROJECTOR/SCR		1.4			20	1	11	12							
THEATER FLOOR		0.8			20	1	13	14	2	30					SPARE
SIMULATION SCREENS		1.1			20	1	15	16							
BOARD ROOM		0.8			20	1	17	18	1	20					SPARE
SPARE					20	1	19	20	3	40					T.V.S.S.
SPARE					20	1	21	22							
SPARE					20	1	23	24							
SPACE							25	26							SPACE
SPACE							27	28							SPACE
SPACE							29	30							SPACE
SPACE							31	32							SPACE
SPACE							33	34							SPACE
SPACE							35	36							SPACE
SPACE							37	38							SPACE
SPACE							39	40							SPACE
SPACE							41	42							SPACE

FEEDER SCHEDULE

DESIGNATION	AMPERES	COPPER (CU) CONDUIT	COPPER (CU) CONDUCTORS
(1)	600A	2 - 4"	4#350MCM 1#1G (IN EACH)
(2)	225A	2-1/2"	4#4/0, 1#2GND
(3)	100A	1-1/2"	3#2, 1#8GND
(4)	100A	1-1/2"	3#2, 1#2/0, 2#8GND
(5)	50A	1"	3#8, 1#10GND

TVSS LEGEND: SEE SPECIFICATION FOR DETAILS

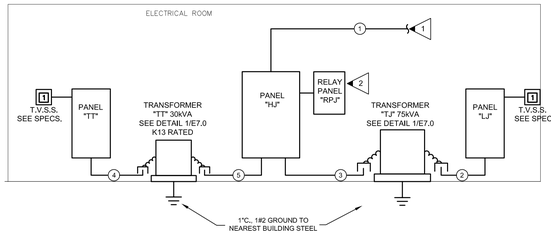
[1] DISTRIBUTION PANELS (120/208 VOLTS, 3 PHASE)

GENERAL NOTES:

1. CONTRACTOR SHALL CONFIRM ALL PANELBOARDS ARE PROVIDED WITH APPROPRIATE LUGS (SIZE AND QUANTITY) TO ACCEPT THE FEEDERS SHOWN ABOVE. PROVIDE COORDINATION LETTER WITH SUBMITTALS NOTING SUCH.

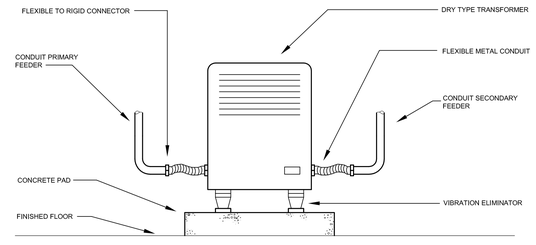
KEYED NOTES:

1. ROUTE TO EXISTING SIEMENS "SB2" SERIES MAIN SWITCHBOARD. SEE SHEET E3-01 FOR LOCATION OF SWITCHBOARD. DIVISION 26 TO PROVIDE AND INSTALL NEW 600A/3P BREAKER WITHIN EXISTING MAIN SWITCHBOARD FOR CONNECTION. PROVIDE AND INSTALL NEW PLACARD AT SWITCHBOARD INDICATING FEED. DIVISION 26 TO ALL PROVIDE AND INSTALL NEW TENANT SUB METERING DEVICE ADJACENT TO MAIN SWITCHBOARD. METERING DEVICE SHALL HAVE INTEGRAL BACKLIT DISPLAY SCREEN IN ORDER TO PROVIDE READOUTS DISPLAYING kW, kWH, PF, AMPS, AND VOLTAGE VALUES. METERING DEVICE SHALL BE RATED TO HANDLE MINIMUM 600A/480V/3PH/4WIRE AND PROVIDED WITH SPLIT CORE CT ACCESSORIES. DEVICE SHALL HAVE MINIMUM 5 YEARS WARRANTY AND DIVISION 26 IS RESPONSIBLE FOR PROVIDING TRAINING USAGE OF METER TO OWNER. METERING DEVICE SHALL BE "VERIS - HAWKEYE" SERIES OR EQUAL BY HONEYWELL / E-MON, OR SIEMENS.
2. DIGITAL LIGHTING RELAY PANEL. PROVIDE 277V INPUT FEED FROM PANEL "HJ". SEE DETAIL ON SHEET E1-00 FOR FURTHER REQUIREMENTS

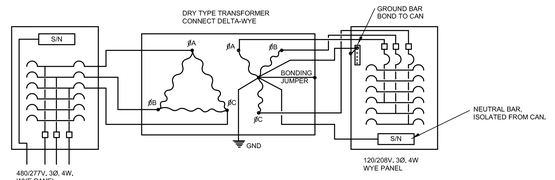


1 E6-00 ELECTRICAL RISER DIAGRAM
SCALE: NONE

2 E6-00 DETAIL - CABLE CONNECTION TO STEEL BEAM
SCALE: NONE

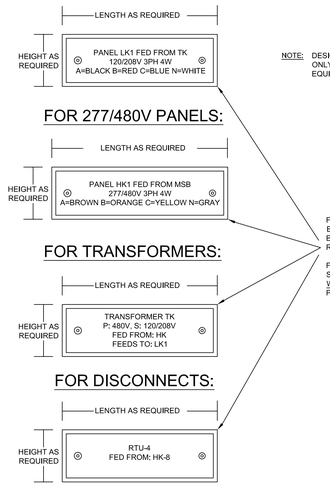


3 E6-00 DETAIL - FLOOR MOUNTED TRANSFORMER
SCALE: NONE



4 E6-00 DETAIL - DRY TYPE TRANSFORMER CONNECTION
SCALE: NONE

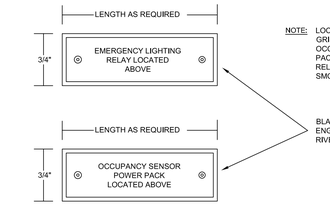
FOR 120/208V PANELS:



NOTE: DESIGNATIONS ARE FOR REFERENCE ONLY. LABELING SHALL BE OF EQUIPMENT BEING SERVED.

FOR NORMAL POWER LABEL SHALL BE: BLACK PHENOLIC PLATE WITH ENGRAVED WHITE LETTERING, POP RIVETED TO EQUIPMENT

FOR EMERGENCY POWER LABEL SHALL BE: RED PHENOLIC PLATE WITH ENGRAVED WHITE LETTERING, POP RIVETED TO EQUIPMENT



NOTE: LOCATE I.D. TAG ON CEILING GRID DIRECTLY BELOW EACH OCCUPANCY SENSOR POWER PACK, EMERGENCY LIGHTING RELAY AND DUCT MOUNTED SMOKE DETECTOR.

BLACK PHENOLIC PLATE WITH ENGRAVED WHITE LETTERING, POP RIVETED TO TEE GRID CEILING

5 E6-00 IDENTIFICATION TAG DETAIL
SCALE: NOT TO SCALE

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Rev #	Date	Issue/Revision
1	02.03.23	ISSUED FOR CONSTRUCTION

GEORGIA REGISTERED NO. 25107 PROFESSIONAL ENGINEER MICHAEL C. MONGRAIN
02-03-23

ISSUED FOR CONSTRUCTION DOCUMENTS

ELECTRICAL RISER AND PANELBOARD SCHEDULES

JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024

DRAWING NO:

E6-00

FLOW TEST DATA:

FLOW TEST WAS CONDUCTED ON 02/01/2021 BY CENTURY FIRE PROTECTION. THE HYDRANTS ON THE FIRE LOOP AT THE BACKSIDE OF THE BUILDING WERE TESTED.

STATIC PRESSURE - 75 PSI
RESIDUAL PRESSURE - 65 PSI
FLOW - 1000 GPM

GENERAL INFORMATION:

EXISTING BUILDING IS PRESENTLY PROTECTED BY A WET PIPE FIRE SPRINKLER SYSTEM.

REWORK WET PIPE SPRINKLER SYSTEM TO PROTECT SPACES WITHIN RENOVATED AREA AND IMPACTED AREAS IMMEDIATELY OUTSIDE RENOVATED AREAS.

SPRINKLER SYSTEM SHALL BE DESIGNED IN ACCORDANCE WITH THE FOLLOWING:

- NFPA 13 (2019 EDITION)
- GA FIRE CODE 120-3-3 (2020 EDITION)
- INTERNATIONAL BUILDING CODE (2021 EDITION)
- CONTRACT SPECIFICATIONS

REFER TO NFPA 25 REGARDING PRE-PLANNED SYSTEM IMPAIRMENTS FOR CORRECTIONS, ALTERATIONS OR IMPROVEMENTS.

PROVIDE SHOP DRAWINGS AND EQUIPMENT SUBMITTALS FOR REVIEW BY ARCHITECT, ENGINEER, COLUMBIA COUNTY FIRE MARSHAL AND OWNER.

EXACT LOCATIONS AND ROUGHING REQUIREMENTS FOR PIPING AND EQUIPMENT SHALL BE DETERMINED FROM ARCHITECTURAL DRAWINGS, LARGE SCALE DETAILS AND APPROVED MANUFACTURER'S SHOP DRAWINGS. PARTICULAR ATTENTION SHALL BE DIRECTED TO EQUIPMENT AND FIXTURES FURNISHED UNDER OTHER DIVISIONS.

EXACT LOCATION OF PIPING SHALL BE DETERMINED BY JOB CONDITIONS. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF HIS WORK WITH THAT OF OTHER TRADES AND ARRANGE PIPING TO CLEAR STRUCTURAL MEMBERS AND DUCTWORK.

IN FIRE WALLS, PACK ANNULAR SPACE BETWEEN PIPE AND WALL WITH FIRESTOP COMPOUND IN ACCORDANCE WITH ITS U.L. LISTING.

PROVIDE WHITE CONCEALED QUICK RESPONSE SPRINKLERS IN NEW LAY-IN CEILINGS.

PROVIDE UPRIGHT QUICK RESPONSE SPRINKLERS IN AREAS WITHOUT CEILINGS.

ALL SPRINKLERS SHALL BE INTERMEDIATE TEMPERATURE TYPES.

APPROXIMATE LOCATION OF EXISTING PIPING AND UPRIGHT SPRINKLERS BASED ON EXISTING SPRINKLER SHOP DRAWINGS. CONTRACTOR SHALL FIELD VERIFY ACTUAL LOCATION OF EXISTING PIPING AND SPRINKLERS (TYPICAL)

EXISTING 4" WET ALARM CHECK

EXISTING 6" FIRE SERVICE

1 FP1-01 **FIRE PROTECTION DEMOLITION PLAN**
SCALE: 1/8" = 1'-0"

KEY PLAN

PFA ENGINEERING
1201 BROAD STREET, SUITE 3A, AUGUSTA, GEORGIA 30901
706-722-3959 • FAX 706-724-8127 • www.pfaengineers.com
GA LIC. PEF000760 EXP. 06/30/2024

PLOT DATE: 02/08/23
FILENAME: 221116 FIREPROT
PLOT SCALE: 1 = 96
JCP

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1	02.03.23	ISSUE FOR CONSTRUCTION

GEORGIA REGISTERED No. 22580 PROFESSIONAL ENGINEER JOE C. POWELL 2/6/23

FIRE PROTECTION DEMOLITION PLAN

JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024

DRAWING NO:

FP1-01

HAZARD CLASSIFICATION

ALL AREAS ARE LIGHT HAZARD UNLESS NOTED OTHERWISE

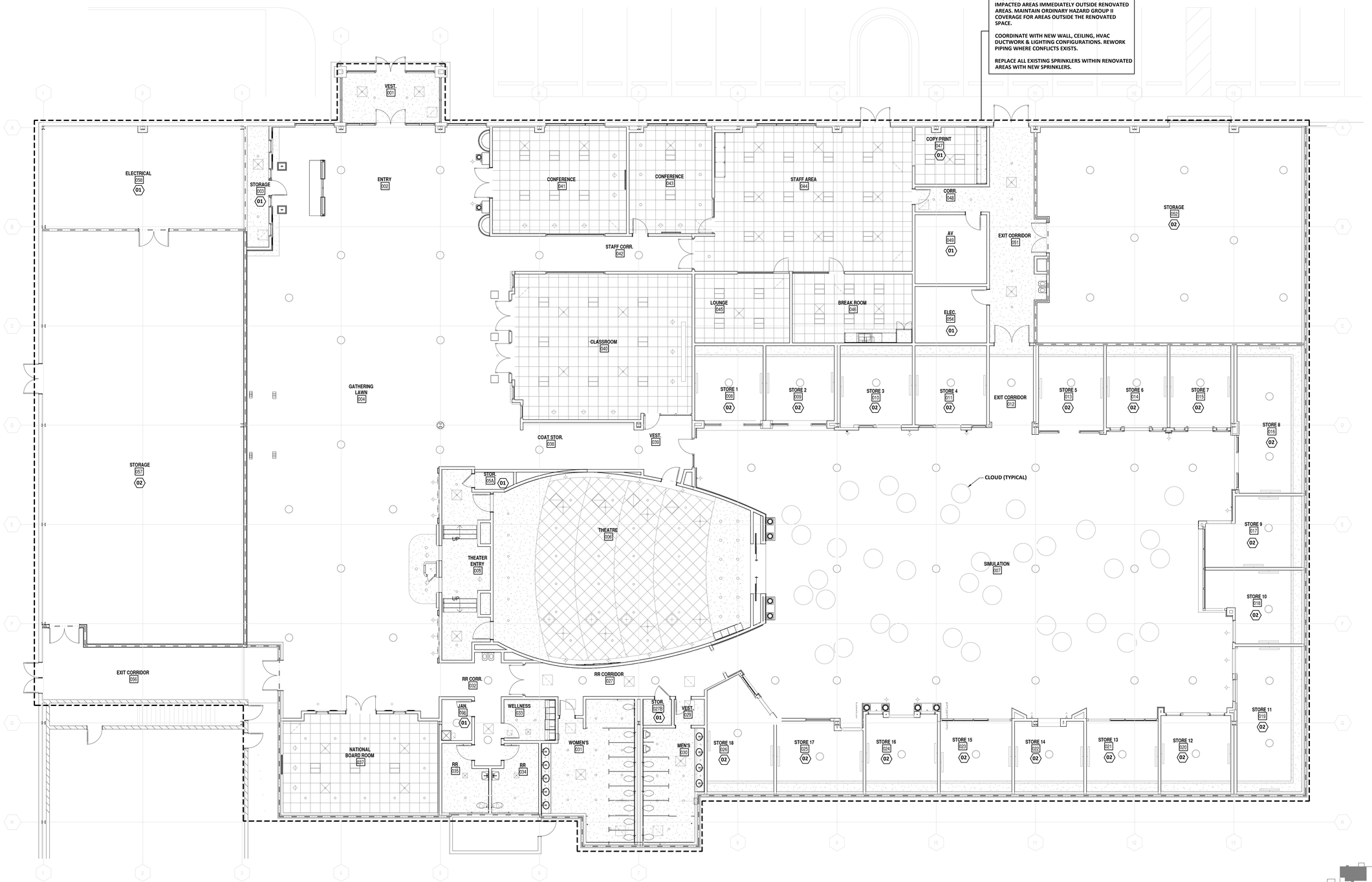
01 ORDINARY HAZARD GROUP 1

02 ORDINARY HAZARD GROUP 2

REWORK EXISTING WET PIPE SPRINKLER SYSTEM TO PROTECT SPACES WITHIN RENOVATED AREA AND IMPACTED AREAS IMMEDIATELY OUTSIDE RENOVATED AREAS. MAINTAIN ORDINARY HAZARD GROUP II COVERAGE FOR AREAS OUTSIDE THE RENOVATED SPACE.

COORDINATE WITH NEW WALL, CEILING, HVAC DUCTWORK & LIGHTING CONFIGURATIONS. REWORK PIPING WHERE CONFLICTS EXISTS.

REPLACE ALL EXISTING SPRINKLERS WITHIN RENOVATED AREAS WITH NEW SPRINKLERS.



1 FP2-01 **FIRE PROTECTION NEW WORK PLAN**

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

KEY PLAN

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1/4 1/2 3/4 1" REFERENCE SCALE

PLOT DATE: 02/08/23
FILENAME: 221116 FIREPROT
PLOT SCALE: 1 = 96
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GEORGIA REGISTERED No. 22585 PROFESSIONAL ENGINEER JOE C. POWELL

2/6/23

FIRE PROTECTION NEW WORK PLAN

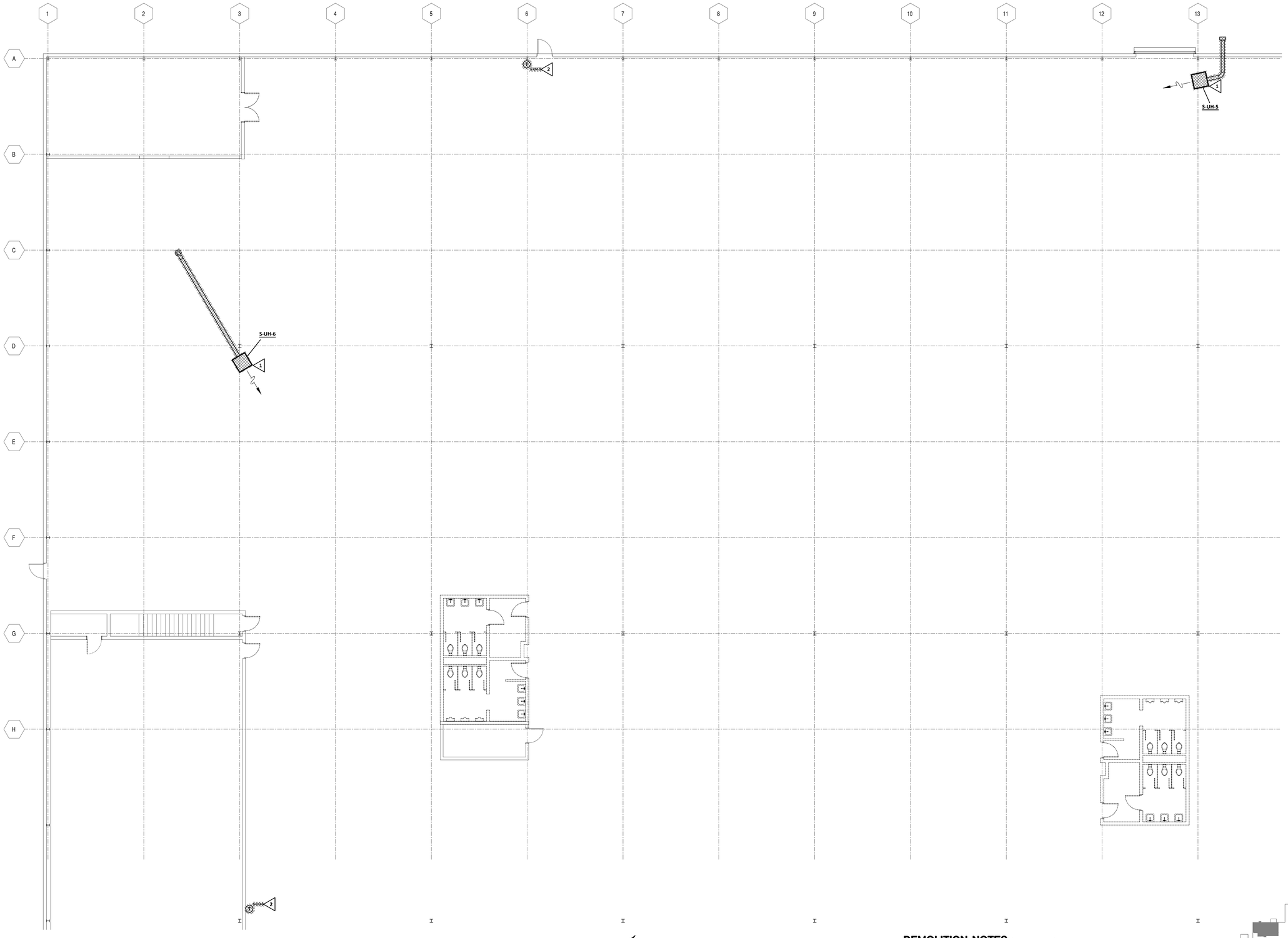
JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024

DRAWING NO:

FP2-01



HVAC DEMOLITION PLAN

1 / M1-01 SCALE: 1/8" = 1'-0"

DEMOLITION NOTES (THIS SHEET ONLY):

1. REMOVE AND STORE EXISTING UNIT HEATER FOR USE IN NEW WORK. REMOVE VENT AND COMBUSTION AIR DUCTS. CAP EXISTING ROOF TERMINATION. SEE NEW WORK PLAN.
2. REMOVE EXISTING THERMOSTAT FOR USE IN NEW WORK. SEE NEW WORK PLAN.

KEY PLAN

PFA ENGINEERING
1201 BROAD STREET, SUITE 3A, AUGUSTA, GEORGIA 30901
706-722-3959 • FAX 706-724-5127 • www.pfaengineers.com
GA LIC. PEPG000760 EXP: 06/30/2024

PLOT DATE: 02/08/23
FILENAME: 22116_HVAC
PLOT SCALE: 1 = 96
DJM/WDP

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Rev #	Date	Issue/Revision
1	02.03.23	ISSUE FOR CONSTRUCTION

GEORGIA REGISTERED No. PE043087 PROFESSIONAL DANIEL J. McALISTER ENGINEER
2/6/23

HVAC DEMOLITION PLAN

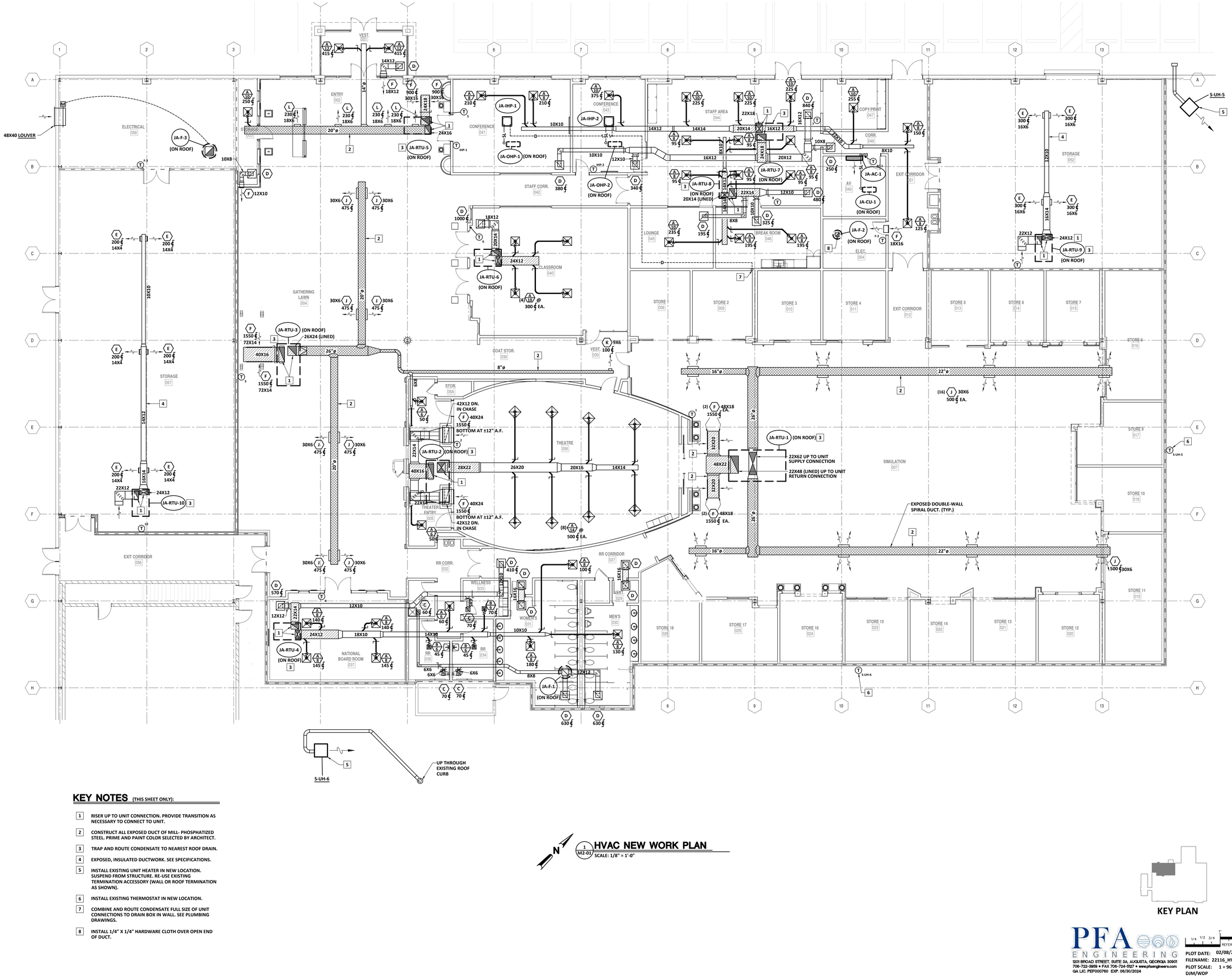
JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024

DRAWING NO:

M1-01



KEY NOTES (THIS SHEET ONLY):

1. RISER UP TO UNIT CONNECTION. PROVIDE TRANSITION AS NECESSARY TO CONNECT TO UNIT.
2. CONSTRUCT ALL EXPOSED DUCT OF MILL- PHOSPHATIZED STEEL. PRIME AND PAINT COLOR SELECTED BY ARCHITECT.
3. TRAP AND ROUTE CONDENSATE TO NEAREST ROOF DRAIN.
4. EXPOSED, INSULATED DUCTWORK. SEE SPECIFICATIONS.
5. INSTALL EXISTING UNIT HEATER IN NEW LOCATION. SUSPEND FROM STRUCTURE. RE-USE EXISTING TERMINATION ACCESSORY (WALL OR ROOF TERMINATION AS SHOWN).
6. INSTALL EXISTING THERMOSTAT IN NEW LOCATION.
7. COMBINE AND ROUTE CONDENSATE FULL SIZE OF UNIT CONNECTIONS TO DRAIN BOX IN WALL. SEE PLUMBING DRAWINGS.
8. INSTALL 1/4" X 1/4" HARDWARE CLOTH OVER OPEN END OF DUCT.

1 M2-01 HVAC NEW WORK PLAN

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

KEY PLAN

PFA ENGINEERING
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706-722-3959 • FAX 706-724-0127 • www.pfaengineers.com
GA LIC. PEF000760 EXP. 06/30/2024

PLOT DATE: 02/08/23
FILENAME: 22116_HVAC
PLOT SCALE: 1 = 96
DJM/WDP

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1	02.03.23	ISSUE FOR CONSTRUCTION

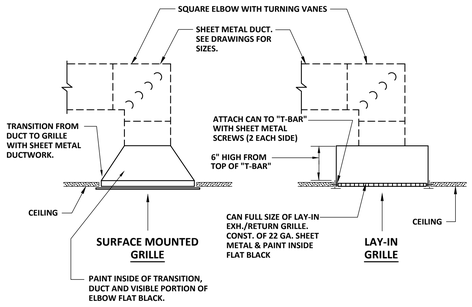
GEORGIA REGISTERED No. PE014282 PROFESSIONAL DANIEL J. McALISTER ENGINEER 2/6/23

HVAC NEW WORK PLAN

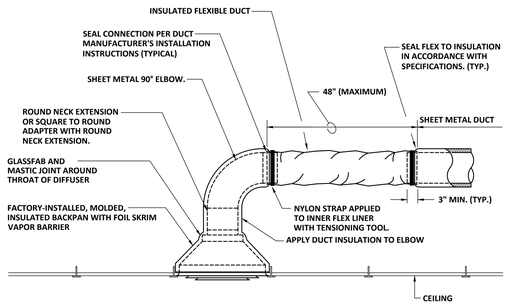
JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

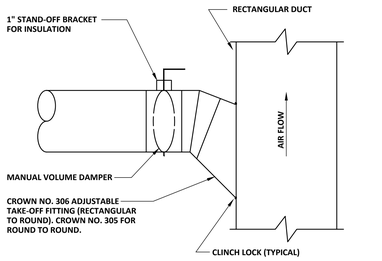
COMMISSION NO: 22_024
DRAWING NO: M2-01



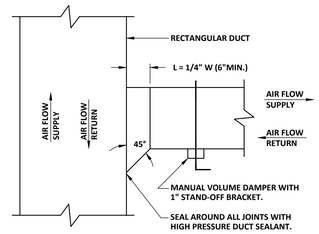
1 M3-01 **EXHAUST/RETURN GRILLE CONNECTION DETAILS**
NOT TO SCALE



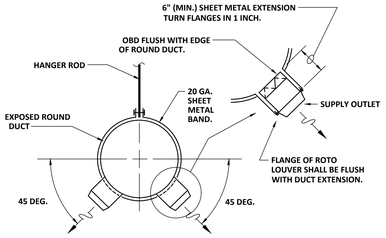
2 M3-01 **FLEXIBLE ROUND DUCT CONNECTION DETAIL**
NOT TO SCALE



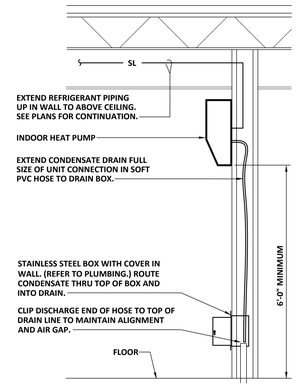
3 M3-01 **SUPPLY DUCT TAKE-OFF FITTING DETAIL**
NOT TO SCALE



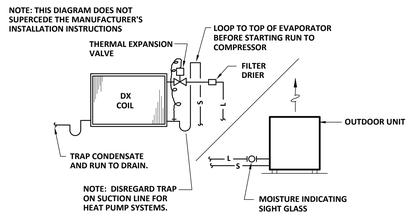
4 M3-01 **RECTANGULAR SUPPLY AND RETURN DUCT TAKE-OFF DETAIL**
NOT TO SCALE



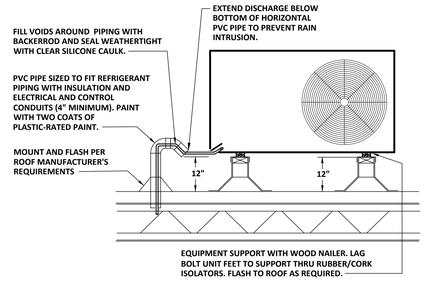
5 M3-01 **SECTION @ EXPOSED ROUND DUCTWORK DETAIL**
NOT TO SCALE



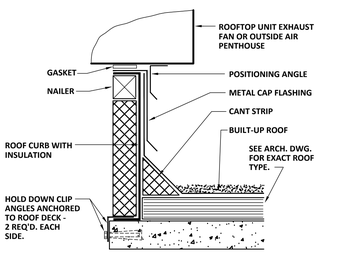
6 M3-01 **SECTION @ INDOOR HEAT PUMP**
NOT TO SCALE



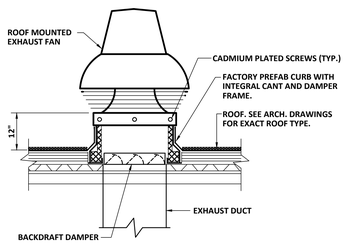
7 M3-01 **REFRIGERANT PIPING DIAGRAM**
NOT TO SCALE



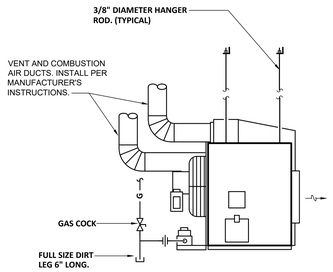
8 M3-01 **SECTION @ OUTDOOR UNIT ON ROOF**
NOT TO SCALE



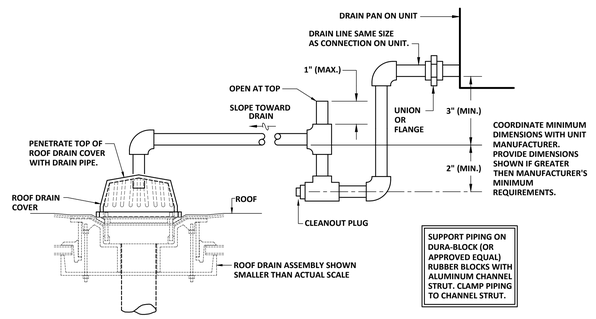
9 M3-01 **ROOF CURB DETAIL**
NOT TO SCALE



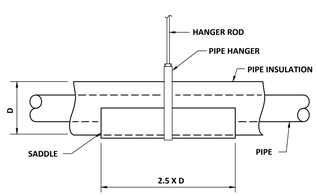
10 M3-01 **ROOF MOUNTED EXHAUST FAN DETAIL**
NOT TO SCALE



11 M3-01 **GAS UNIT HEATER DETAIL**
NOT TO SCALE



12 M3-01 **CONDENSATE DRAIN TRAP TO ROOF DRAIN DETAIL**
NOT TO SCALE



13 M3-01 **PIPE HANGER SADDLE DETAIL**
NOT TO SCALE

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Rev #	Date	Issue/Revision
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GEORGIA REGISTERED No. PE043387 PROFESSIONAL ENGINEER DANIEL J. McALISTER 2/6/23

HVAC DETAILS

JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024

DRAWING NO:

M3-01

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GA LIC. PEF000760 EXP. 06/30/2024

1/4 1/2 3/4 1" REFERENCE SCALE

PLOT DATE: 02/08/23
FILENAME: 22116_HVAC
PLOT SCALE: 1 = 96
DJM/WDP

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AUGUSTA, GA 30901 (706) 722-3959

-- INDOOR HEAT PUMP SCHEDULE --

ITEM	SUPPLY CFM	FAN W	DRIVE	COOLING CAP. MBH (1)		TRANE MODEL NO.	REMARKS
				SENSIBLE	TOTAL		
JA-IHP-1	425	90	DIRECT	12.5	17.7	NTXCKS18	(2)
JA-IHP-2	300	50	DIRECT	8.8	12.0	NTXCKS12	(2)

(1) RATINGS IN ACCORDANCE WITH APPROPRIATE A.H.R.I. STANDARD.

(2) 2' X 2' NOM. 4-WAY CEILING CASSETTE INDOOR AIR HANDLING UNIT. PROVIDE WITH ELECTRICAL DISCONNECT MEANS, WASHABLE FILTER, AND WALL CONTROLLER.

-- OUTDOOR HEAT PUMP SCHEDULE --

ITEM	COOLING CAP. MBH (1)	EER	HEATING CAP. MBH (1)		COP (1)		TRANE MODEL NO.	REMARKS
			HI	LO	HI	LO		
JA-OHP-1	17.7	12.5	19.7	12.9	3.0	2.6	NTXSKS18	--
JA-OHP-2	12.0	13.0	13.0	8.9	2.9	2.3	NTXSKS12	--

(1) RATINGS IN ACCORDANCE WITH APPROPRIATE A.H.R.I. STANDARD.

-- REFRIGERANT PIPE SCHEDULE --

INDOOR UNIT	OUTDOOR UNIT	SUCTION LINE OD (IN.)	LIQUID LINE OD (IN.)	REMARKS
JA-IHP-1	JA-OHP-1	--	--	(1)
JA-IHP-2	JA-OHP-2	3/8	1/4	(1)
JA-AC-1	JA-CU-1	--	--	(1)

(1) REFRIGERANT PIPE SIZES INDICATED ARE FOR ESTIMATING PURPOSES ONLY. EXACT SIZES AND ACCESSORIES REQUIRED SHALL BE DETERMINED BY EQUIPMENT MANUFACTURER FROM FIELD-OBTAINED DIMENSIONS.

-- INDOOR A/C UNIT SCHEDULE --

ITEM	SUPPLY CFM	FAN W	DRIVE	COOLING CAP. MBH (1)		TRANE MODEL NO.	REMARKS
				SENSIBLE	TOTAL		
JA-AC-1	375	105	DIRECT	13.1	18.0	TPKA0A018	(2)

(1) RATINGS IN ACCORDANCE WITH APPROPRIATE A.H.R.I. STANDARD.

(2) HIGH-WALL INDOOR AIR HANDLING UNIT. PROVIDE WITH ELECTRICAL DISCONNECT MEANS, WASHABLE FILTER, AND WALL CONTROLLER.

-- OUTDOOR CONDENSING UNIT SCHEDULE --

ITEM	COOLING CAPACITY MBH (1)	EER	SEER	MANUFACTURER MODEL NO.	REMARKS
JA-CU-1	18.0	10.5	19.5	TRUYA018	(2)

(1) RATINGS IN ACCORDANCE WITH APPROPRIATE A.H.R.I. STANDARD.

(2) PROVIDE WITH LOW-AMBIENT COOLING CAPABILITY TO 0°F.

-- FAN SCHEDULE --

ITEM	LOCATION	CFM	ESP (IN. WG)	HP	RPM	MAX. RPM	MAX. SONES	GREENHECK MODEL NO.	REMARKS
JA-F-1	ROOF	1460	0.25	1/2	970	1200	8.0	G-140-VG	(1)(2)(4)
JA-F-2	ROOF	400	0.25	1/12	1250	1300	6.5	G-095-G	(1)(3)
JA-F-3	ROOF	4000	0.25	2	550	900	8.0	G-240-VG	(1)(3)

(1) COMPLETE WITH BACKDRAFT DAMPER, ROOF CURB, BIRDSCREEN, SPEED CONTROLLER, AND DISCONNECT MEANS.

(2) PROVIDE WITH E.C. MOTOR

(3) CONTROL WITH THERMOSTAT SET AT 85° (ADJ.).

(4) CONTROL WITH FACILITY MANAGEMENT SYSTEM.

-- PACKAGED HEATING & AIR CONDITIONING UNIT SCHEDULE --

ITEM	NOM. TONS	SUPPLY CFM	ESP (IN. WG)	OA CFM	COOLING CAP. MBH SENS./TOT. (1)	SEER	HEATING		CARRIER MODEL NO.	REMARKS
							KW	STAGES		
JA-RTU-1	20	8000	0.70	1800	190.0/240.0	18.0 IEER	68.9	2	50LC__24	(2)(3)(4)
JA-RTU-2	10	4000	0.7	900	95.0/115.0	20.0 IEER	38.3	2	50LC__12	(2)(3)(4)
JA-RTU-3	10	4000	0.7	900	95.0/115.0	20.0 IEER	38.3	2	50LC__12	(2)(3)(4)
JA-RTU-4	3	1200	0.5	150	24.8/32.9	16.0	12.9	2	50GC__04	(2)(4)
JA-RTU-5	5	2000	0.5	200	43.0/60.0	16.0	22.0	2	50GC__06	(2)(3)(4)
JA-RTU-6	3	1200	0.5	200	24.8/32.9	16.0	12.9	2	50GC__04	(2)(4)
JA-RTU-7	5	2000	0.5	200	43.0/60.0	16.0	22.0	2	50GC__06	(2)(3)(4)
JA-RTU-8	3	1200	0.5	200	24.8/32.9	16.0	12.9	2	50GC__04	(2)(4)
JA-RTU-9	3	1200	0.5	0	24.8/32.9	16.0	12.9	2	50GC__04	(2)
JA-RTU-10	3	1200	0.5	0	24.8/32.9	16.0	12.9	2	50GC__04	(2)

(1) RATINGS IN ACCORDANCE WITH APPROPRIATE A.H.R.I. STANDARD.

(2) ROOFTOP PACKAGED ELECTRIC/ELECTRIC UNIT WITH HOT GAS REHEAT DEHUMIDIFICATION, PHASE LOSS ALARM, DIRTY FILTER SENSOR, CONDENSATE OVERFLOW SWITCH, 2" THICK MERV-8 FILTERS, POWERED CONVENIENCE OUTLET, AND ELECTRICAL DISCONNECT MEANS.

(3) PROVIDE WITH COMPARATIVE ENTHALPY ECONOMIZER AND BAROMETRIC RELIEF DAMPER.

(4) PROVIDE WITH BIPOLAR IONIZATION UNIT AS SPECIFIED.

-- AIR DISTRIBUTION SCHEDULE --

MARK	TYPE	NECK CONNECTION (1)	FINISH	OBD	PRICE NO. UNLESS NOTED	REMARKS (2)
A 6	CEILING DIFFUSER	6"ø	MANUFACTURER'S STANDARD FINISH	NO	SCD-4C	24 X 24 PANEL (3)
A 8	CEILING DIFFUSER	8"ø	MANUFACTURER'S STANDARD FINISH	NO	SCD-4C	24 X 24 PANEL (3)
A 10	CEILING DIFFUSER	10"ø	MANUFACTURER'S STANDARD FINISH	NO	SCD-4C	24 X 24 PANEL (3)
A 12	CEILING DIFFUSER	12"ø	MANUFACTURER'S STANDARD FINISH	NO	SCD-4C	24 X 24 PANEL (3)
A 14	CEILING DIFFUSER	14"ø	MANUFACTURER'S STANDARD FINISH	NO	SCD-4C	24 X 24 PANEL (3)
B 6	CEILING DIFFUSER	6"ø	MANUFACTURER'S STANDARD FINISH	NO	SCD	12 X 12 PANEL (3)
C	CEILING RETURN/EXHAUST	10" X 10"	MANUFACTURER'S STANDARD FINISH	NO	80	12 X 12 PANEL WITH BORDER FRAME
D	CEILING RETURN/EXHAUST	22" X 22"	MANUFACTURER'S STANDARD FINISH	NO	80	24 X 24 PANEL WITH BORDER FRAME
F	RETURN GRILLE	SEE PLANS	MANUFACTURER'S STANDARD FINISH	NO	535	45° DEFLECTION 1/2" BLADE SPACING
J	HIGH-CAPACITY DRUM LOUVER	30" X 6"	(4)	YES	HCD	W/ SURFACE MOUNT BORDER
K	HIGH-CAPACITY DRUM LOUVER	9" X 6"	(4)	YES	HCD	W/ SURFACE MOUNT BORDER
L	HIGH-CAPACITY DRUM LOUVER	18" X 6"	(4)	YES	HCD	W/ SURFACE MOUNT BORDER
LOUVER	STATIONARY LOUVER	SEE PLANS	(4)	NO	GREENHECK ESD-635	FLANGE FRAME BIRDSCREEN

(1) DUCT RUNOUT SIZE SAME AS NECK CONNECTION SIZE, UNLESS NOTED OTHERWISE.

(2) PROVIDE LAY-IN TYPE FOR T-BAR CEILINGS AND SURFACE TYPE FOR ALL OTHER CEILINGS. REFER TO ARCHITECTURAL FINISH SCHEDULE FOR CEILING TYPES.

(3) PROVIDE WITH REMOVABLE CORE (RC) AND MOLDED, INSULATED BACKPAN WITH FOIL SKRIM VAPOR BARRIER.

(4) BAKED ENAMEL FINISH. COLOR AS SELECTED BY ARCHITECT.

FMS INPUT/OUTPUT SUMMARY

TYPICAL PACKAGED AIR CONDITIONING UNIT

	OUTPUTS						INPUTS							SOFTWARE												
	BINARY				ANALOG		BINARY				ANALOG			ALARM			DDC		ENERGY MGMT.							
	START/STOP	ENABLE/DISABLE	OPEN/CLOSE	SETPOINT ADJUST	DDC CONTROL		DIFF. PRESSURE SWITCH	AUX. CONTACT	ALARM CONTACT	PULSE CONTACT	CONCENTRATION (PPM)	TEMPERATURE	RELATIVE HUMIDITY	PRESSURE	VOLUME (CFM)	STATUS/INTERLOCK	HI/LO LIMIT	RUN TIME TOTALIZATION	PROPORTIONAL	PROP. + INTEGRAL	TIME SCHEDULE S/S	OPTIMUM START/STOP	DAY/NIGHT SETBACK	DEMAND LIMIT/CYCLE	RESET OPTIMIZATION	ECONOMIZER	FAN SYNCHRONIZATION	NOTES
ROOM TEMPERATURE												X															
ROOM TEMPERATURE OFFSET												X															
ROOM HUMIDITY													X														
ROOM CO2											X																
MIXED AIR TEMPERATURE												X															
SUPPLY AIR TEMPERATURE												X															
SUPPLY FAN	X							X								X											
COOLING STAGE 1	X																										
COOLING STAGE 2	X																										
COOLING STAGE 3 (1)	X																										
HEAT STAGE 1	X																										
HEAT STAGE 2	X																										
ECONOMIZER DAMPERS (2)		X																									
REVERSING VALVE (DEHUM) (1)			X																								
BIPOLAR IONIZATION UNIT STATUS															X												

(1) WHERE APPLICABLE.
(2) ECONOMIZER UNITS ONLY.

FMS INPUT/OUTPUT SUMMARY

TYPICAL DUCTLESS SPLIT SYSTEM HEAT PUMP

	OUTPUTS						INPUTS							SOFTWARE												
	BINARY				ANALOG		BINARY				ANALOG			ALARM			DDC		ENERGY MGMT.							
	START/STOP	ENABLE/DISABLE	OPEN/CLOSE	SETPOINT ADJUST	DDC CONTROL		DIFF. PRESSURE SWITCH	AUX. CONTACT	ALARM CONTACT	PULSE CONTACT	TEMPERATURE	RELATIVE HUMIDITY	PRESSURE	VOLUME (CFM)	STATUS/INTERLOCK	HI/LO LIMIT	RUN TIME TOTALIZATION	PROPORTIONAL	PROP. + INTEGRAL	TIME SCHEDULE S/S	OPTIMUM START/STOP	DAY/NIGHT SETBACK	DEMAND LIMIT/CYCLE	RESET OPTIMIZATION	ECONOMIZER	FAN SYNCHRONIZATION	NOTES
ROOM TEMPERATURE											X					X											(1)

(1) TEMPERATURE POINT FOR INFORMATION ONLY. CONTROL SHALL BE BY THERMOSTAT FURNISHED BY UNIT MANUFACTURER.

FMS INPUT/OUTPUT SUMMARY

MISCELLANEOUS

	OUTPUTS						INPUTS							SOFTWARE												
	BINARY				ANALOG		BINARY				ANALOG			ALARM			DDC		ENERGY MGMT.							
	START/STOP	ENABLE/DISABLE	OPEN/CLOSE	SETPOINT ADJUST	DDC CONTROL		DIFF. PRESSURE SWITCH	AUX. CONTACT	ALARM CONTACT	PULSE CONTACT	CURRENT SENSING RELAY	TEMPERATURE	RELATIVE HUMIDITY	PRESSURE	VOLUME (CFM)	STATUS/INTERLOCK	HI/LO LIMIT	RUN TIME TOTALIZATION	PROPORTIONAL	PROP. + INTEGRAL	TIME SCHEDULE S/S	OPTIMUM START/STOP	DAY/NIGHT SETBACK	DEMAND LIMIT/CYCLE	RESET OPTIMIZATION	ECONOMIZER	FAN SYNCHRONIZATION	NOTES
TYPICAL EXHAUST FAN	X										X										X						
OUTSIDE AIR TEMPERATURE												X															
OUTSIDE AIR HUMIDITY													X														
UNIT HEATERS		X																									

HVAC LEGEND

SYMBOL	DESCRIPTION
SL	REFRIGERANT SUCTION / LIQUID
D	CONDENSATE DRAIN
T	THERMOSTAT 4'-6" A.F.
S CO	CARBON MONOXIDE SENSOR/ALARM
$	WALL SWITCH
FD	FIRE DAMPER
F/SD	FIRE / SMOKE DAMPER
OBD	OPPOSED BLADE DAMPER
BDD	BACKDRAFT DAMPER
∉ or CFM	CUBIC FEET PER MINUTE
1 / M-1	DETAIL NO → 1/M-1 / SHEET NO.
	SUPPLY DIFFUSER
	RETURN OR EXHAUST GRILLE
or MVD	MANUAL VOLUME DAMPER
M	MOTOR OPERATED DAMPER
	FLEXIBLE DUCT CONNECTION
	LINED DUCT (SIZE SHOWN IS METAL SIZE)
	FLAT-OVAL OR ROUND DOUBLE WALL ACOUSTIC DUCT
	AIR EXTRACTOR
	SQUARE ELL WITH SINGLE THICK TURNING VANES
A / 8	AIR DEVICE / NECK CONNECTION SIZE
A.F.	ABOVE FLOOR
RET.	RETURN (AIR - DUCT)
EXH.	EXHAUST
ø	DIAMETER
	RATED PARTITION, SEE ARCH.
	DEMOLITION EXTENTS (DEMO. PLANS ONLY)
NOM.	NOMINAL
EAT	ENTERING AIR TEMPERATURE
LAT	LEAVING AIR TEMPERATURE
ESP	EXTERNAL STATIC PRESSURE
DB	DRY BULB
WB	WET BULB
HP	HORSEPOWER
MBH	THOUSAND BTU'S PER HOUR
REFRIG.	REFRIGERANT
EER	ENERGY EFFICIENCY RATIO
SEER	SEASONAL ENERGY EFFICIENCY RATIO
COP	COEFFICIENT OF PERFORMANCE
OA	OUTSIDE AIR
OD	OUTSIDE DIAMETER
FPM	FEET PER MINUTE

HVAC NOTES:

NOT ALL EXISTING WORK IS SHOWN, AND THAT SHOWN IS IN ITS APPROXIMATE LOCATION AND ARRANGEMENT. EXACT LOCATION, ARRANGEMENT, AND SIZES SHALL BE VERIFIED ON THE JOB BEFORE STARTING ANY NEW WORK.

INSTALL PIPING AND DUCTWORK IN EQUIPMENT ROOMS ADJACENT TO WALLS AND CEILINGS WHERE POSSIBLE TO PROVIDE MAXIMUM ROOM CLEARANCE.

COORDINATE THE INSTALLATION OF WORK UNDER THIS DIVISION WITH THAT OF OTHER TRADES TO PROVIDE THE BEST ARRANGEMENT OF PIPING, DUCTWORK, AND EQUIPMENT.

PIPING, DUCTWORK, AND EQUIPMENT IS SHOWN IN ITS GENERAL LOCATION UNLESS DIMENSIONED.

ARRANGE PIPING AND DUCTWORK TO CLEAR STRUCTURAL MEMBERS, PIPING AND LIGHT FIXTURES.

EXACT LOCATION OF GRILLES AND CEILING OUTLETS SHALL BE DETERMINED ON THE JOBSITE. COORDINATE WITH LIGHTS, SPRINKLER HEADS, AND OTHER CEILING APPURTENANCES TO PROVIDE A UNIFORM AND SYMMETRICAL APPEARANCE. REFER TO ARCHITECTURAL AND ELECTRICAL DRAWINGS AND DETAILS.

ALL PIPING SHALL BE CONCEALED, UNLESS NOTED OTHERWISE.

PROVIDE FLEXIBLE DUCT CONNECTIONS TO ALL AIR HANDLING EQUIPMENT.

PROVIDE ACCESS DOORS IN DUCTWORK FOR ALL FIRE AND SMOKE DAMPERS, DUCT-MOUNTED COILS, AND CONTROL DEVICES.

PROVISIONS SHALL BE MADE FOR DRAINING ALL OUTSIDE LINES SUBJECT TO FREEZING.

SLOPE DRAIN LINES TOWARD DRAIN WITH A MINIMUM SLOPE OF 1/4" PER FOOT.

PROVIDE SMOKE DETECTOR SHUTDOWN CONTROLS FOR ALL HVAC SYSTEMS IN EXCESS OF 2000 CFM.

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PLOT DATE: 02/08/23
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REFERENCE SCALE

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GEORGIA REGISTERED No. PE043987 PROFESSIONAL DANIEL J. McALISTER 2/6/23

HVAC SCHEDULES, NOTES AND LEGEND

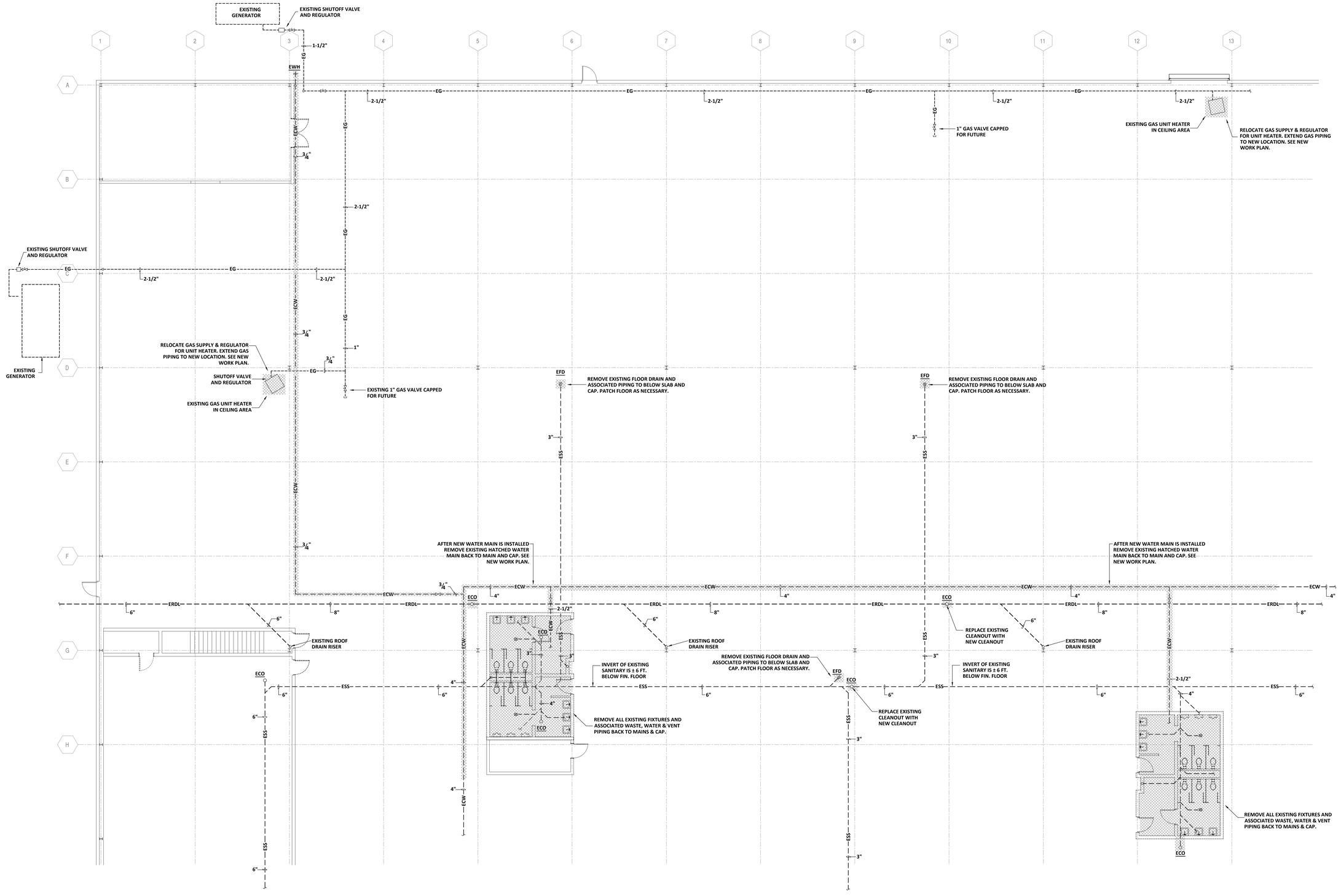
JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024

DRAWING NO:

M4-01



1 P1-01 **PLUMBING DEMOLITION PLAN**
SCALE: 1/8" = 1'-0"

KEY PLAN

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REFERENCE SCALE 1/4 1/2 3/4 1"

PLOT DATE: 02/08/23
FILENAME: 221116 PLUMBING
PLOT SCALE: 1 = 96
JCP

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Rev #	Date	Issue/Revision
1	02.03.23	ISSUE FOR CONSTRUCTION

GEORGIA REGISTERED No. 25281 PROFESSIONAL ENGINEER JOE C. POWELL 2/6/23

PLUMBING DEMOLITION PLAN

JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024

DRAWING NO:

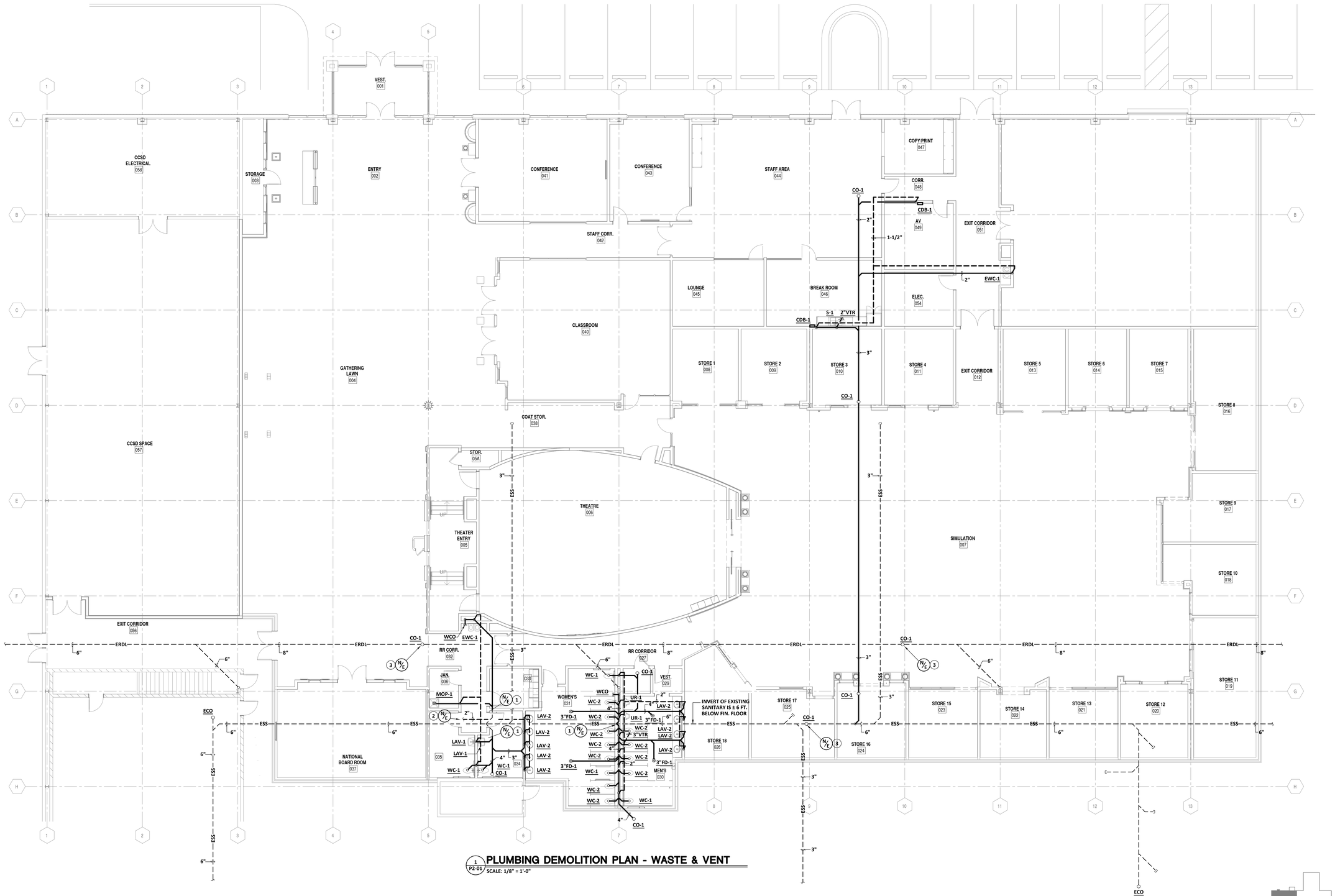
P1-01

GENERAL NOTES:

SAWCUT AND PATCH FLOOR SLAB AS NECESSARY FOR INSTALLATION OF NEW PIPING. PATCH FLOOR AS NECESSARY AND TROWEL TO MATCH EXISTING FINISH.

KEYNOTES: (THIS SHEET ONLY)

1. CONNECT NEW WASTE PIPE TO EXISTING WASTE MAIN. FIELD VERIFY EXACT SIZE, LOCATION AND INVERT.
2. CONNECT NEW VENT PIPING TO NEAREST EXISTING VTR. FIELD VERIFY EXACT SIZE AND LOCATION.
3. PROVIDE NEW CLEANOUT CO-1 FLUSH WITH FINISHED FLOOR



1 P2-01 **PLUMBING DEMOLITION PLAN - WASTE & VENT**
SCALE: 1/8" = 1'-0"

KEY PLAN

PFA ENGINEERING
1201 BROAD STREET, SUITE 3A, AUGUSTA, GEORGIA 30901
706-722-3959 • FAX 706-724-5127 • www.pfaengineers.com
GA LIC. PEF000760 EXP. 06/30/2024

REFERENCE SCALE 1/4 1/2 3/4

PLOT DATE: 02/08/23
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GEORGIA REGISTERED No. 25283 PROFESSIONAL ENGINEER JUDE C. POWELL
2/6/23

PLUMBING NEW WORK PLAN - WASTE & VENT

JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

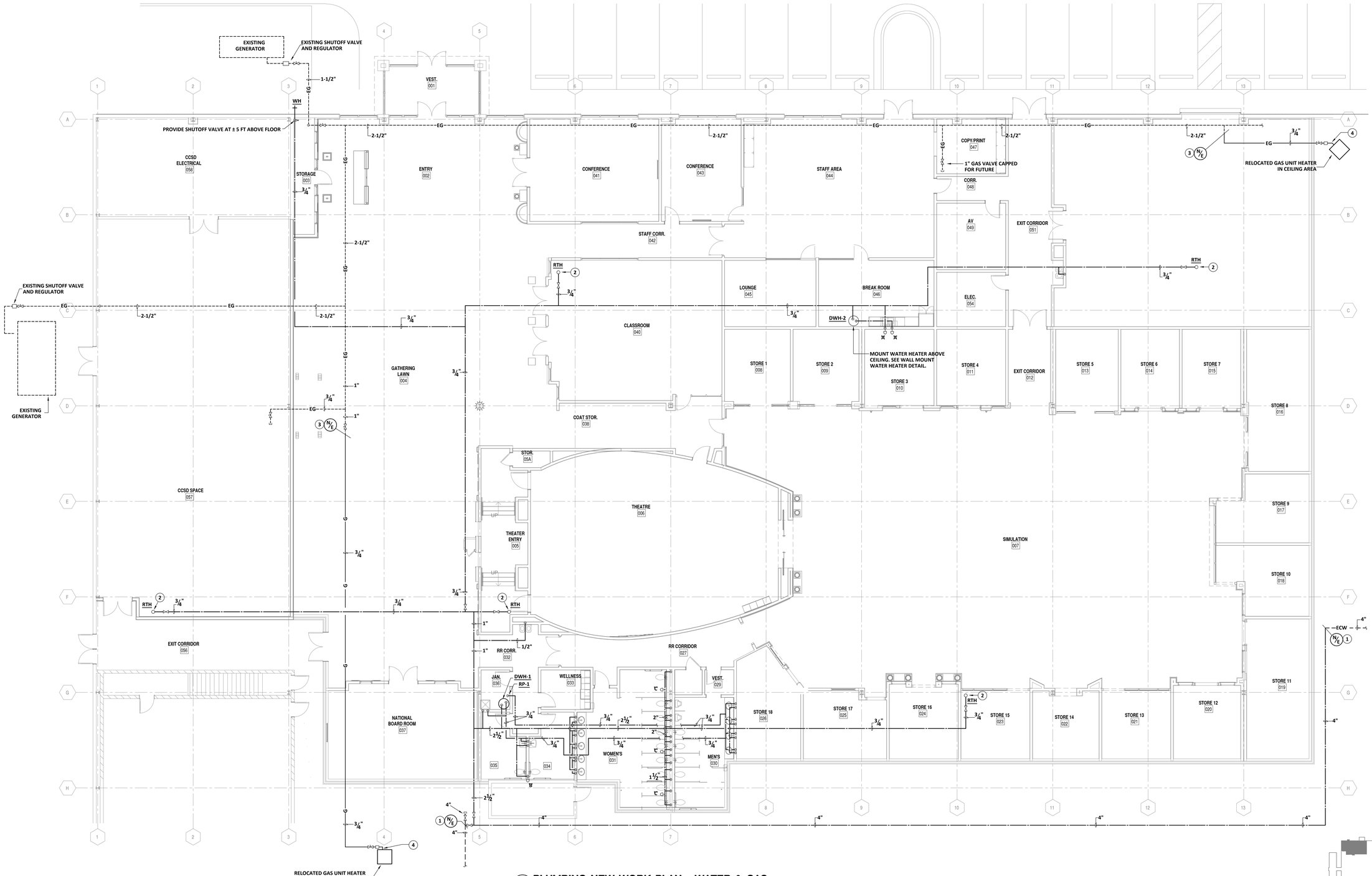
COMMISSION NO: 22_024

DRAWING NO:

P2-01

KEYNOTES: (THIS SHEET ONLY)

1. CONNECT NEW WATER PIPING TO EXISTING WATER MAIN. FIELD VERIFY EXACT SIZE AND LOCATION.
2. 3/4" CW UP TO ROOF TOP HYDRANT (RTH).
3. CONNECT NEW GAS PIPING TO EXISTING GAS MAIN. FIELD VERIFY EXACT SIZE AND LOCATION.
4. CONNECT NEW GAS PIPING TO RELOCATED REGULATOR AND GAS UNIT HEATER. FIELD VERIFY EXACT CONNECTION LOCATION.



1 P2-02 **PLUMBING NEW WORK PLAN - WATER & GAS**
SCALE: 1/8" = 1'-0"

KEY PLAN

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REFERENCE SCALE 1/4 1/2 3/4 1"

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GEORGIA REGISTERED No. 25581 PROFESSIONAL ENGINEER JOE C. POWELL
2/6/23

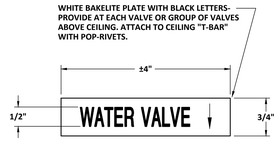
PLUMBING NEW WORK PLAN - WATER & GAS

JUNIOR ACHIEVEMENT

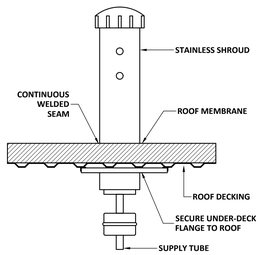
4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024

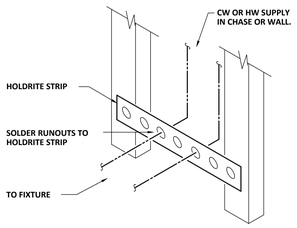
DRAWING NO:
P2-02



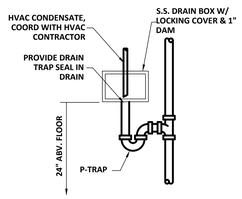
1 P3-01 **WATER VALVE LOCATOR TAG**
NOT TO SCALE



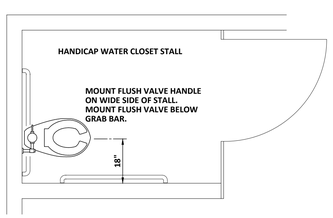
9 P3-01 **ROOF HYDRANT DETAIL**
NOT TO SCALE



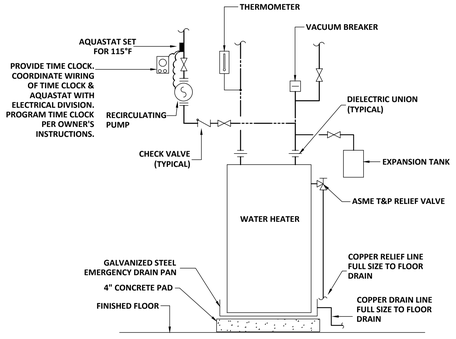
3 P3-01 **RUNOUT ANCHOR DETAILS**
SCHEMATIC



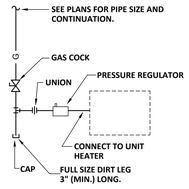
4 P3-01 **CONDENSATE DRAIN BOX DETAIL**
SCHEMATIC ONLY



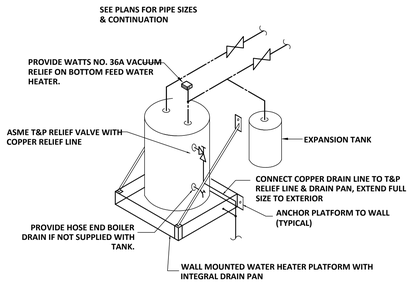
5 P3-01 **CONTROL LOCATIONS AT HANDICAPPED WATER CLOSET**
SCHEMATIC



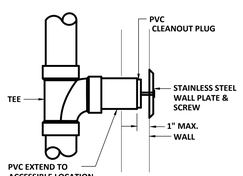
6 P3-01 **WATER HEATER PIPING DETAIL**
NOT TO SCALE



7 P3-01 **GAS CONNECTION DETAIL**
NOT TO SCALE



8 P3-01 **WALL MOUNTED WATER HEATER DETAIL**
SCHEMATIC ONLY



9 P3-01 **WALL CLEANOUT DETAIL**
SCHEMATIC ONLY

GENERAL PLUMBING NOTES

NOT ALL EXISTING WORK IS SHOWN AND THAT SHOWN IS IN ITS APPROXIMATE LOCATION AND ARRANGEMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING LOCATIONS, ARRANGEMENTS, SIZES AND CONDITIONS AND IN CASE OF DISCREPANCY TO CONTACT THE ARCHITECT FOR RELOCATION AND REMOVAL OF SAID ELEMENTS IN ACCORDANCE WITH THE BASIC INTENTIONS INDICATED BY THE DRAWINGS AND DETAILS. NOT ALL EXISTING WORK IS SHOWN AND THAT SHOWN IS IN ITS APPROXIMATE LOCATION AND ARRANGEMENT. EXACT LOCATION, ARRANGEMENT, AND SIZES SHALL BE VERIFIED ON THE JOB BEFORE PROCEEDING WITH ANY NEW WORK. EXACT LOCATIONS AND ROUGHING REQUIREMENTS FOR ALL FIXTURES AND EQUIPMENT SHALL BE DETERMINED FROM ARCHITECTURAL DRAWINGS, LARGE SCALE ARCHITECTURAL DETAILS AND APPROVED MANUFACTURER'S SHOP DRAWINGS. PARTICULAR ATTENTION SHALL BE DIRECTED TO FIXTURES OR EQUIPMENT FURNISHED UNDER OTHER DIVISIONS.

EXERCISE CARE SO AS NOT TO CUT ANY EXISTING UTILITIES OR SERVICES. WHERE AN EXISTING UTILITY LINE OR SERVICE LINE IS CUT IT SHALL BE REPAIRED TO "LIKE-NEW" CONDITION. INTERRUPTION OF SERVICE SHALL NOT BE MADE WITHOUT PRIOR WRITTEN PERMISSION OF THE OWNER.

EXACT LOCATIONS AND ROUGHING REQUIREMENTS FOR ALL FIXTURES AND EQUIPMENT SHALL BE DETERMINED FROM ARCHITECTURAL DRAWINGS, LARGE SCALE ARCHITECTURAL DETAILS AND APPROVED MANUFACTURER'S SHOP DRAWINGS. INVERT ELEVATIONS SHOWN SHALL BE VERIFIED ON THE JOB BEFORE INSTALLING ANY NEW PIPE. INSTALL TEST-TEES WHEN THE SANITARY SEWER SYSTEM IS TO BE TESTED IN SECTIONS. PIPING IS SHOWN IN ITS GENERAL LOCATION (UNLESS DIMENSIONED).

REFER TO ARCHITECTURAL FINISH SCHEDULE AND ELEVATIONS FOR DETAILS OF FLOORS WHERE FLOOR DRAINS AND CLEANOUTS ARE LOCATED.

PROVIDE SLEEVES FOR PIPES PASSING THRU FLOORS, MASONRY WALLS AND FIRE OR SMOKE PARTITIONS. PACK ANNULAR SPACE BETWEEN PIPE WITH MATERIAL APPROVED IN U.L. BUILDING DIRECTORY.

COORDINATE LOCATIONS OF FLOOR DRAINS AND CLEANOUTS IN MECHANICAL ROOMS WITH HVAC EQUIPMENT.

PROVIDE DRAIN TRAP SEALS FOR ALL HUB DRAINS, FLOOR DRAINS & FLOOR SINKS.

VENT TERMINALS SHALL NOT BE LOCATED WITHIN 10' OF FRESH AIR INTAKE. COORDINATE WITH APPROPRIATE TRADE.

CENTER CLEANOUTS IN ALL CORRIDORS.

PLUMBING LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	WASTE OR SANITARY SEWER	— — ESS — —	EXISTING WASTE OR SANITARY SEWER
	VENT	---- EHW----	EXISTING HOT WATER
	COLD WATER	---- ECW----	EXISTING COLD WATER
	HOT WATER	-----EG-----	EXISTING NATURAL GAS
	HOT WATER CIRCULATING	ECO	EXISTING CLEANOUT
G	NATURAL GAS	EFD	EXISTING FLOOR DRAIN
	SHUTOFF VALVE	— — ERDL— —	EXISTING ROOF DRAIN PIPING
PDI"X"	WATER HAMMER ARRESTOR	EWH	EXISTING WALL HYDRANT
N/E	NEW WORK CONNECTION TO EXISTING WORK	FD	FLOOR DRAIN

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE	WASTE CONN. BRANCH	VENT	COLD WATER	HOT WATER	RIM HGT.	BASIS OF DESIGN
WC-1	WATER CLOSET (A.D.A. ADULT)	4"	2"	1"	-	18"	ZURN Z5665-BWL1 WATER CLOSET ZURN Z6000AV -HET FLUSH VALVE CENTOCO 5005TSCCSS WHITE SEAT
		4"					
WC-2	WATER CLOSET	4"	2"	1"	-	18"	ZURN Z5665-BWL1 WATER CLOSET ZURN Z6000AV -HET FLUSH VALVE CENTOCO 5005TSCCSS WHITE SEAT
		4"					
UR-1	URINAL (ADA)	2"	1-1/2"	3/4"	-	17"	ZURN Z5755 URINAL ZURN Z6003AV -EWS FLUSH VALVE ZURN Z1222 CARRIER
		2"					
LAV-1	LAVATORY (WALL HUNG)(ADA)	1-1/4"	1-1/2"	1/2"	1/2"	APRON BOTTOM 29"	ZURN Z5340 LAVATORY, ZURN Z81000-XL FAUCET, MCGUIRE 155A GRID DRAIN ZURN Z1231-79 CARRIER (1)
		2"					
LAV-2	LAVATORY (UNDERMOUNT) (A.D.A. ADULT)	1-1/4"	1-1/2"	1/2"	1/2"	UNDER MOUNT	ZURN Z5220 LAVATORY ZURN Z81000-XL FAUCET, MCGUIRE 155A GRID DRAIN (1)
		2"					
EWC-1	ELECTRIC WATER COOLER (A.D.A.)	1-1/4"	1-1/2"	1/2"	-	APRON BOTTOM 27"	ELKAY LMABFTLRWSSK WITH BOTTLE FILLER
		2"					
S-1	SINK (A.D.A.)	1-1/2"	1-1/2"	1/2"	1/2"	UNDER MOUNT	MOEN GS18161 SINK MOEN 7565 SERIES FAUCET, MCGUIRE 151A DRAINS (1)
		2"					
MOP-1	MOP SINK	3"	2"	1/2"	1/2"	FAUCET @ 36" A.F.	FIAT MSB 2424, 832-AA, 889-CC, FIAT 830AA FAUCET, MSG 2424 WALL GUARD
		3"					
CDB-1	CONDENSATE DRAIN BOX	2"	1-1/2"	-	-	-	ACORN M8200-ES10 BOX WITH 1" DAM, LOCKING COVER, 2" DRAIN & 1-1/2" HOLE IN TOP (3)
		2"					
WH	WALL HYDRANT	-	-	3/4"	-	-	WOODFORD 27
RTH	ROOF TOP HYDRANT	-	-	3/4"	-	-	MAPA MPH-24FP
CO-1	CLEANOUT (INTERIOR)	-	-	-	-	-	SMITH 4031
WCO	WALL CLEANOUT	-	-	-	-	-	SMITH 4710
FD-1	FLOOR DRAIN (GENERAL)	-	-	-	-	-	SMITH 2005L (2) (3)

PLUMBING FIXTURE SCHEDULE KEYNOTES

(1) PROVIDE "TRUEBRO LAV GUARD" PROTECTIVE PIPE COVERS ON WASTE AND SUPPLY PIPING.
(2) PROVIDE 7" STRAINER ON 3" DRAINS AND 9" STRAINER ON 4" DRAINS. PROVIDE ROUND TOP FOR ALL FLOOR DRAINS.
(3) PROVIDE DRAIN TRAP SEAL EQUAL TO MIFAB MI-GARD.

DOMESTIC WATER HEATER SCHEDULE

ITEM	SOURCE	INPUT	RECOVERY (GPH @ 60F RISE)	STORAGE (GALLONS)	INLET/OUTLET (INCHES)	BASIS OF DESIGN MODEL NO.
DWH-1	ELECTRICITY	2 KW	15	14	3/4	A.O. SMITH DEL-20 (1)
DWH-2	ELECTRICITY	2 KW	6	14	3/4	A.O. SMITH DEL-10 (1) (2)

SCHEDULE NOTES:
(1) PROVIDE EXPANSION TANK EQUAL TO AMTROL ST-5 WITH 2.2 GAL ACCEPTANCE.
(2) PROVIDE MOUNT EQUAL TO HOLDRITE 30-SWHP-WM.

DOMESTIC HOT WATER RETURN PUMP SCHEDULE

ITEM	SERVICE	FLOW RATE (GPM)	HEAD (FT)	HP	BASIS OF DESIGN MODEL NO.
RP-1	CIRCULATING HOT WATER RETURN	2	13	1/12	B&G NBF-22B (1)

SCHEDULE NOTES:
(1) PROVIDE AQUASTAT EQUAL TO TACO 563-2 & TIME CLOCK EQUAL TO TACO 265-3.

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GEORGIA REGISTERED No. 25581 PROFESSIONAL ENGINEER JOE C. POWELL 2/6/23

PLUMBING SCHEDULE, NOTES, LEGEND & DETAILS

JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024

DRAWING NO:
P3-01

STRUCTURAL NOTES

A. GENERAL

1. NO PROVISION OF ANY REFERENCED STANDARD SPECIFICATION, MANUAL OR CODE (WHETHER OR NOT SPECIFICALLY INCORPORATED BY REFERENCE IN THE CONTRACT DOCUMENTS) SHALL BE EFFECTIVE TO CHANGE THE DUTIES AND RESPONSIBILITIES OF OWNER, CONTRACTOR, ENGINEER, SUPPLIER, OR ANY OF THEIR CONSULTANTS, AGENTS, OR EMPLOYEES FROM THOSE SET FORTH IN THE CONTRACT DOCUMENTS. NOR SHALL IT BE EFFECTIVE TO ASSIGN TO THE STRUCTURAL ENGINEER OR ANY OF THE STRUCTURAL ENGINEER'S CONSULTANTS, AGENTS, OR EMPLOYEES ANY DUTY OR AUTHORITY TO SUPERVISE OR DIRECT THE FURNISHING OR PERFORMANCE OF THE WORK OR ANY DUTY OR AUTHORITY TO UNDERTAKE RESPONSIBILITIES CONTRARY TO THE PROVISIONS OF THE CONTRACT DOCUMENTS.

2. CONTRACT DOCUMENTS INCLUDE, BUT ARE NOT LIMITED TO, THE STRUCTURAL DOCUMENTS, BUT DO NOT INCLUDE SHOP DRAWINGS, VENDOR DRAWINGS, OR MATERIAL PREPARED AND SUBMITTED BY THE CONTRACTOR.

3. REFERENCE TO STANDARD SPECIFICATIONS OF ANY TECHNICAL SOCIETY, ORGANIZATION, OR ASSOCIATION OR TO CODES OF LOCAL OR STATE AUTHORITIES, SHALL MEAN THE LATEST STANDARD, CODE, SPECIFICATION OR TENTATIVE SPECIFICATION ADOPTED AT THE DATE OF TAKING BIDS, UNLESS SPECIFICALLY STATED OTHERWISE.

4. CONTRACT DOCUMENTS SHALL GOVERN IN THE EVENT OF A CONFLICT WITH THE CODE OF PRACTICE OR SPECIFICATIONS OF ACI, PCI, AISC, SJI OR OTHER STANDARDS. WHERE A CONFLICT OCCURS WITHIN THE CONTRACT DOCUMENTS, THE STRICTEST REQUIREMENT SHALL GOVERN.

5. MATERIAL, WORKMANSHIP, AND DESIGN SHALL CONFORM TO THE REFERENCED BUILDING CODE.

6. CONTRACTOR SHALL COORDINATE THE STRUCTURAL DOCUMENTS WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL DOCUMENTS. ARCHITECT/STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY OR OMISSION. FOR DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS SEE THE ARCHITECTURAL DRAWINGS.

7. CONTRACTOR SHALL OBTAIN AND COORDINATE EDGE OF SLAB DIMENSIONS, OPENING LOCATIONS AND DIMENSIONS, DEPRESSED SLAB LOCATIONS AND EXTENTS, SLAB SLOPES, CURB LOCATIONS, AND CMU WALL LOCATIONS. ARCHITECT/STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY OR OMISSION.

8. CONTRACTOR SHALL VERIFY EXISTING DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS BEFORE STARTING WORK. ARCHITECT/STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY.

9. CONTRACTOR SHALL VERIFY THAT MISCELLANEOUS FRAMING SHOWN ON THE STRUCTURAL DRAWINGS FOR MECHANICAL EQUIPMENT, OWNER-FURNISHED ITEMS, PARTITIONS, ETC. IS CONSISTENT WITH THE REQUIREMENTS OF SUCH ITEMS. CONTRACTOR SHALL VERIFY EQUIPMENT WEIGHTS, REQUIRED OPENING SIZES AND LOCATIONS IDENTIFIED ON THE STRUCTURAL DRAWINGS ARE IN AGREEMENT WITH FINAL ARCHITECTURAL AND MECHANICAL SHOP DRAWINGS AND SUBMITTALS.

10. CONTRACTOR HAS SOLE RESPONSIBILITY FOR MEANS, METHODS, SAFETY, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION. CONTRACTOR HAS SOLE RESPONSIBILITY TO COMPLY WITH ALL OSHA REGULATIONS.

11. THE STRUCTURE IS STABLE ONLY IN ITS COMPLETED FORM. TEMPORARY SUPPORTS REQUIRED FOR STABILITY DURING ALL INTERMEDIATE STAGES OF CONSTRUCTION SHALL BE DESIGNED, FURNISHED, AND INSTALLED BY THE CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTABILITY ANALYSIS, AND ERECTION PROCEDURES, INCLUDING DESIGN AND ERECTION OF FALSEWORK, TEMPORARY BRACING, ETC.

12. REPRODUCTION OF STRUCTURAL DRAWINGS FOR SHOP DRAWINGS IS NOT PERMITTED.

13. SUBMIT SHOP DRAWINGS WHICH ADEQUATELY DEPICT THE STRUCTURAL ELEMENTS AND CONNECTIONS SHOWN IN THE CONTRACT DOCUMENTS. REVIEW OF SHOP DRAWINGS SHALL BE FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS REGARDING ARRANGEMENT AND SIZES OF MEMBERS AND THE CONTRACTOR'S INTERPRETATION OF THE DESIGN LOADS AND CONTRACT DOCUMENT DETAILS. REVIEW OF SUBMITTALS OR SHOP DRAWINGS BY THE ARCHITECT / STRUCTURAL ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW AND CHECK ALL SUBMITTALS AND SHOP DRAWINGS BEFORE SUBMITTING TO THE STRUCTURAL ENGINEER. REVIEW OF SUBMITTALS OR SHOP DRAWINGS BY THE ARCHITECT / STRUCTURAL ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF FULL RESPONSIBILITY FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS.

14. WHERE A SECTION OR DETAIL IS SHOWN OR DETAILED FOR ONE CONDITION, IT SHALL APPLY TO ALL SIMILAR AND LIKE CONDITIONS. DETAILS LABELED "TYPICAL" OR "TYP." ON THE STRUCTURAL DRAWINGS APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR. THE CONTRACTOR SHALL CONSIDER ALL OF THE CONTRACT DOCUMENTS IN DETERMINING SIMILAR AND LIKE CONDITIONS.

15. STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR THE DESIGN OF STEEL STAIRS, HANDRAILS, CURTAIN WALL/WINDOW WALL SYSTEMS, COLD-FORMED METAL FRAMING, OR OTHER SYSTEMS NOT SHOWN IN THE STRUCTURAL DOCUMENTS. STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR THE CONNECTION OF THESE SYSTEMS TO THE STRUCTURE. SUCH SYSTEMS SHALL BE DESIGNED BY AN ENGINEER LICENSED IN THE PROJECT STATE AND SHALL BE FURNISHED AND INSTALLED BY OTHERS AS REQUIRED BY OTHER PORTIONS OF THE CONTRACT DOCUMENTS.

16. USE ONLY DIMENSIONS INDICATED ON THE CONTRACT DOCUMENTS. DO NOT SCALE DRAWINGS OR MEASURE OBJECTS IN ELECTRONIC FILES. NOTIFY STRUCTURAL ENGINEER AND ARCHITECT OF ANY DISCREPANCIES.

17. THE OWNER SHALL ESTABLISH A PERIODIC MAINTENANCE PROGRAM TO PROTECT THE STRUCTURE FROM DETERIORATION. THE MAINTENANCE PROGRAM IS THE RESPONSIBILITY OF THE OWNER AND SHOULD INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING:

    - PAINTING OF EXPOSED STEEL THAT IS NOT GALVANIZED.
    - INSPECTION AND MAINTENANCE OF PROTECTIVE COATINGS, SEALANTS, CAULKED JOINTS, EXPANSION JOINTS, AND CONTROL JOINTS.
    - REPAIR OF SPALLS AND CRACKS IN CONCRETE ELEMENTS.
    - REPAIR AND RESTORATION OF CORRODED ELEMENTS.
    - CLEANOUT OF DRAINS INCLUDING ALL ROOF AND TRENCH DRAINS AND SCUPPERS.
    - CLEANING OF STRUCTURAL ELEMENTS EXPOSED TO HARSH CHEMICALS INCLUDING DE-ICING CHEMICALS.
    - REPLACEMENT OF WORN BEARING PADS

18. IN THE EVENT THAT CAD FILES OR BIM FILES ARE PROVIDED TO THE CONTRACTOR, NO WARRANTIES, EXPRESSED OR IMPLIED, ARE MADE WITH RESPECT TO THIS FORM OF THE STRUCTURAL DRAWINGS, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IT IS UNDERSTOOD THAT THE USER MAKES USE OF THIS FORM OF THE STRUCTURAL DRAWINGS AT THE USER'S SOLE RISK AND THAT THE CAD OR BIM FILES ARE PROVIDED "AS IS" WITHOUT WARRANTIES OF ANY KIND. THE STRUCTURAL ENGINEER HAS NO OBLIGATION TO OR THROUGH THE USER FOR USE OF THIS FORM OF THE DRAWINGS, INCLUDING ANY OBLIGATION OR LIABILITY FOR THE ACCURACY OF THE INFORMATION FURNISHED VIA THE ELECTRONIC FORM. IN ADDITION TO AND NOTWITHSTANDING THE FOREGOING, IN NO EVENT SHALL THE STRUCTURAL ENGINEER BE LIABLE FOR ANY CONSEQUENTIAL OR SPECIAL DAMAGES OR FOR ANY LOSS OF PROFITS SUSTAINED BY USER IN CONNECTION WITH OR ARISING OUT OF THE USE OF CAD OR BIM FORMS OF THE DRAWINGS. IN ALL CASES, THE HARD COPY OF THE STRUCTURAL DRAWINGS SUPERSEDES ANY CAD OR BIM FILES.

B. CODE/DESIGN CRITERIA

1. STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE, 2018 EDITION, WITH GEORGIA STATE AMENDMENTS.

2. GRAVITY LOADS

   2.1 UNIFORM FLOOR LIVE LOADS (REDUCED AS ALLOWED BY THE BUILDING CODE):

SIMULATION SPACE	100 PSF	(NON-REDUCIBLE)
GATHERING LAWN	100 PSF	(NON-REDUCIBLE)
DINING AREAS	100 PSF	(NON-REDUCIBLE)
THEATER	60 PSF	(NON-REDUCIBLE)
STAGES/PLATFORMS	150 PSF	(NON-REDUCIBLE)
CORRIDORS	100 PSF	
CLASSROOMS	40 PSF	
OFFICES (INCLUDES PARTITIONS)	50 + 15 PSF	
MECHANICAL ROOMS	125 PSF	(NON-REDUCIBLE)
STORAGE (LIGHT/HEAVY)	125/250 PSF	(NON-REDUCIBLE)

   2.2 UNIFORM ROOF LIVE LOADS (REDUCED AS ALLOWED BY THE BUILDING CODE):

ROOF	20 PSF
GROUND SNOW LOAD, Pg	5 PSF
RAIN	
RAIN INTENSITY, i	4 IN/HR

   PONDING AND DRIFT EFFECTS HAVE BEEN INCLUDED IN THE DESIGN.

3. WIND LOADS:

BASIC DESIGN WIND SPEED, V	120 MPH
ALLOWABLE STRESS DESIGN WIND SPEED, Vasd	93 MPH
EXPOSURE	B
RISK CATEGORY	III
INTERNAL PRESSURE COEFFICIENT, GCpi	+/-0.18

4. EARTHQUAKE LOADS:

RISK CATEGORY	III
SEISMIC IMPORTANCE FACTOR, I	1.25
MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS:	
Ss	0.268 g
S1	0.096 g
SITE CLASS	D
DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS:	
Sds	0.283 g
Sd1	0.153 g
SEISMIC DESIGN CATEGORY	C

   THE LATERAL LOAD RESISTING SYSTEM OF THE BASE BUILDING STRUCTURE IS NOT BEING REDUCED.

5. MAXIMUM ESTIMATED DEFLECTIONS (IN INCHES) ARE AS FOLLOWS:

	LIVE LOAD	DEAD + LIVE LOAD
ROOF MEMBERS:	L/360	L/240
FLOOR MEMBERS:	L/360	L/240

   WHERE, L = SPAN LENGTH (IN INCHES) BETWEEN CENTERLINES OF SUPPORTS. FOR CANTILEVERS, L IS TWICE THE LENGTH OF THE CANTILEVER.

6. SPECIAL INSPECTION REPORTS AND A FINAL REPORT IN ACCORDANCE WITH SECTION 1704.2.4 OF THE BUILDING CODE SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO THE TIME THAT PHASE OF THE WORK IS APPROVED FOR OCCUPANCY.

7. NO PROVISIONS HAVE BEEN MADE FOR FUTURE HORIZONTAL OR VERTICAL EXPANSION.

C. DEFERRED STRUCTURAL SUBMITTALS

1. DEFERRED SUBMITTALS, AS DEFINED BY THE BUILDING CODE, SHALL BE SUBMITTED TO THE BUILDING OFFICIAL BY THE CONTRACTOR. THE DEFERRED SUBMITTALS SHALL BE SIGNED AND SEALED BY A LICENSED ENGINEER IN THE PROJECT STATE.

2. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR THE DESIGN OF THE DEFERRED SUBMITTAL COMPONENTS OR THE CONNECTION TO THE STRUCTURE. THE STRUCTURAL DESIGN OF THE COMPONENTS AND THE CONNECTION TO THE STRUCTURE IS DELEGATED TO A SPECIALTY ENGINEER WHO SHALL BE ENGAGED BY THE CONTRACTOR, VENDOR, AND / OR SUPPLIER OF THE COMPONENTS AS PART OF THE DEFERRED SUBMITTAL PROCESS.

3. THE CONTRACTOR SHALL SUBMIT THE DEFERRED SUBMITTAL TO THE ARCHITECT / STRUCTURAL ENGINEER FOR REVIEW. AFTER REVIEW BY THE ARCHITECT / STRUCTURAL ENGINEER THE CONTRACTOR SHALL SUBMIT THE REVIEWED SUBMITTAL TO THE BUILDING OFFICIAL PER SECTION 107.3 OF THE BUILDING CODE.

4. THE ITEMS LISTED BELOW ARE IDENTIFIED AS DEFERRED SUBMITTALS. REFER TO THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND CIVIL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL DEFERRED SUBMITTAL COMPONENTS. ALL COSTS ASSOCIATED WITH THE PREPARATION OF THE DEFERRED SUBMITTAL, INCLUDING THE SPECIALTY ENGINEERS DESIGN FEES, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

    - SHORING AND UNDERPINNING
    - TEMPORARY BRACING / SHORING FOR THE STABILITY OF THE STRUCTURE DURING CONSTRUCTION
    - CONCRETE FORMWORK
    - STRUCTURAL STEEL CONNECTIONS AS DEFINED IN STRUCTURAL NOTE SECTION H
    - STEEL JOIST AND JOIST GIRDERS
    - METAL STAIRS, LANDINGS, HANDRAILS, AND GUARDRAILS
    - COLD FORMED METAL FRAMING
    - COLD FORMED METAL FRAMING TRUSSES
    - EXTERIOR BUILDING SIGNAGE
    - SEISMIC ANCHORAGE OF ARCHITECTURAL COMPONENTS
    - SEISMIC ANCHORAGE OF MECHANICAL, ELECTRICAL, AND PLUMBING COMPONENTS
    - ANCHORAGE OF EXTERIOR ARCHITECTURAL, MECH., ELEC., AND PLUMBING EQUIPMENT
    - ATTACHMENT OF ROOFTOP EQUIPMENT, PIPING, & DUCTWORK TO THE UNDERLYING STRUCTURE
    - GLAZING SYSTEMS (e.g., CURTAIN WALL, WINDOW WALL, AND STOREFRONT SYSTEMS)
    - SLOTTED CHANNEL STRUT FRAMING (e.g., UNISTRUT)
    - PREFABRICATED / PRE-ENGINEERED ARCHITECTURAL ELEMENTS AND STRUCTURES
    - OTHER ELEMENTS INDICATED SPECIFICALLY IN THE CONTRACT DOCUMENTS
    - BUILDING MAINTENANCE SYSTEMS

5. DEFERRED SUBMITTAL COMPONENTS SHALL BE DESIGNED FOR THE LOADS AS DEFINED BY THE APPLICABLE BUILDING CODE WITH DESIGN DATA DEFINED IN THE SECTION B OF THE STRUCTURAL NOTES.

D. FOUNDATION

1. FOUNDATION DESIGN IS BASED ON THE INFORMATION PROVIDED IN THE EXISTING STRUCTURAL DRAWINGS PREPARED BY CUNNINGHAM-LIMP COMPANY. STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR SUBSURFACE CONDITIONS ENCOUNTERED IN THE FIELD DIFFERENT FROM THOSE ASSUMED FOR DESIGN.

2. STRUCTURAL TESTING/INSPECTION AGENCY SHALL CERTIFY THE BEARING MEDIUM.

3. NEW SPREAD FOOTINGS SHALL BEAR ON SOIL CAPABLE OF SUPPORTING 3,000 PSF.

E. REINFORCEMENT

1. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE.

2. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A1064 AND HAVE MINIMUM SIDE AND END LAPS OF 8".

3. SUBMIT SHOP DRAWINGS WHICH ADEQUATELY DEPICT THE REINFORCING BAR SIZES AND PLACEMENT. WRITTEN DESCRIPTION OF REINFORCEMENT WITHOUT ADEQUATE SECTIONS, ELEVATIONS, AND DETAILS IS NOT ACCEPTABLE.

4. PROVIDE DOWELS FROM FOUNDATIONS THE SAME SIZE AND NUMBER AS THE VERTICAL WALL OR COLUMN REINFORCING, UNLESS NOTED OTHERWISE.

5. PLACE REINFORCEMENT AS FOLLOWS, UNLESS NOTED OTHERWISE:

   5.1 CAST-IN-PLACE (NON POST-TENSIONED) CONCRETE REINFORCEMENT COVER

PERMANENTLY EXPOSED TO EARTH:	
CAST AGAINST THE EARTH	3" CLEAR
EXPOSED TO EARTH OR WEATHER:	
FOR BARS LARGER THAN A NO. 5 BAR	2" CLEAR
NO. 5 BARS OR SMALLER	1-1/2" CLEAR
NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH:	
WALLS	3/4" CLEAR
SLABS	3/4" CLEAR
COLUMN TIES	1-1/2" CLEAR
BEAM/GIRDER STIRRUPS	1-1/2" CLEAR

   5.2 MASONRY CONCRETE REINFORCEMENT COVER

   MASONRY REINFORCING STEEL SHALL BE PLACED IN THE CENTER OF CMU CELLS, UNLESS NOTED OTHERWISE. IF REINFORCING STEEL IS NOTED TO BE PLACED OTHER THAN THE CENTER OF THE CELL, PLACE BAR TO ACHIEVE 2" CLEAR COVER BETWEEN REINFORCING AND OUTSIDE FACE OF CMU BLOCK.

6. REINFORCEMENT SHALL BE SPLICED ONLY AT LOCATIONS SHOWN OR NOTED IN THE STRUCTURAL DOCUMENTS, EXCEPT REINFORCEMENT MARKED "CONTINUOUS" CAN BE SPLICED AT LOCATIONS DETERMINED BY CONTRACTOR. SPLICES AT OTHER LOCATIONS SHALL BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER. REINFORCING STEEL SPLICES SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE:

CONCRETE REINFORCEMENT:	CLASS B TENSION LAP - SEE REINFORCING LAP LENGTH SCHEDULE
MASONRY REINFORCEMENT:	SEE REINFORCING LAP LENGTH SCHEDULE

F. CAST-IN-PLACE CONCRETE

1. CONCRETE WORK SHALL CONFORM TO ACI 318 AND CRSI STANDARDS.

2. CONCRETE SHALL HAVE THE FOLLOWING PROPERTIES:

   2.1 NORMAL WEIGHT STRUCTURAL CONCRETE:

	EXPOSURE CLASS	MIN. 28-DAY COMPRESSIVE STRENGTH, F'C	MAX. W/C RATIO	MAX. AGGREGATE SIZE
FOOTINGS	C1	4,000 PSI	0.55	1 1/2"
INTERIOR SLABS-ON-GRADE	C1	4,000 PSI	0.48	1"
EXTERIOR SLABS-ON-GRADE	F2,C1	4,500 PSI	0.45	1"

   ALL NORMAL WEIGHT CONCRETE SHALL BE CONSIDERED TO BE IN EXPOSURE CLASS F0, S0, W0, AND C0 ACCORDING TO ACI 318 UNLESS NOTED OTHERWISE ABOVE OR ELSEWHERE ON THE STRUCTURAL DRAWINGS

   2.2 LIGHTWEIGHT STRUCTURAL CONCRETE:
   (110-120 PCF FRESH UNIT WEIGHT/107-116 PCF AIR-DRIED UNIT WEIGHT)

	EXPOSURE CLASS	MIN. 28-DAY COMPRESSIVE STRENGTH, F'C	MAX. AGGREGATE SIZE
SLABS ON FORM DECK		3,000 PSI	1"
INTERIOR TOPPING SLABS		4,000 PSI	3/4"
EXTERIOR TOPPING SLABS	F1,C1	4,000 PSI	3/4"

   ALL LIGHTWEIGHT CONCRETE SHALL BE CONSIDERED TO BE IN EXPOSURE CLASS F0, S0, W0, AND C0 ACCORDING TO ACI 318 UNLESS NOTED OTHERWISE ABOVE OR ELSEWHERE ON THE STRUCTURAL DRAWINGS

3. CONCRETE MIX REQUIREMENTS

   3.1 ALL CONCRETE SHALL BE PROPORTIONED TO COMPLY WITH ACI 318 CHAPTER 19 IN ACCORDANCE WITH THE EXPOSURE CLASS INDICATED. WHERE REQUIREMENTS INDICATED DIFFER FROM REQUIREMENTS OF CHAPTER 19, THE STRICTER REQUIREMENT SHALL APPLY.

   3.2 CONCRETE SHALL BE CONSIDERED EXTERIOR CONCRETE IF THE CONCRETE IS PERMANENTLY EXPOSED TO THE WEATHER OR MOISTURE OR IF IT IS IN AN UNCONDITIONED SPACE IN ITS COMPLETED CONFIGURATION.

   3.3 ALL CONCRETE SHALL SATISFY BOTH THE SPECIFIED MAXIMUM WATER TO CEMENT RATIO AND THE MINIMUM COMPRESSIVE STRENGTH, F'C, REQUIREMENTS.

4. PIPES OR DUCTS SHALL NOT EXCEED ONE-THIRD THE SLAB OR WALL THICKNESS UNLESS SPECIFICALLY DETAILED. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATION OF SLEEVES, ACCESSORIES, ETC.

5. REFER TO ARCHITECTURAL DRAWINGS FOR MOLDS, GROOVES, ORNAMENTS, CLIPS OR GROUNDS REQUIRED TO BE ENCASED IN CONCRETE AND FOR LOCATION OF ALL CONCRETE FINISHES AND SLAB DEPRESSIONS.

6. CONSTRUCTION JOINT LOCATIONS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. NO HORIZONTAL CONSTRUCTION JOINTS ARE PERMITTED EXCEPT THOSE SHOWN ON THE STRUCTURAL DRAWINGS.

7. DEFECTIVE AREAS IN CONCRETE INCLUDING, BUT NOT LIMITED TO, HONEY-COMBING, SPALLS, AND CRACKS WITH WIDTHS EXCEEDING 0.01 INCH SHALL BE REPAIRED. EXTENT OF DEFECTIVE AREA TO BE DETERMINED BY THE STRUCTURAL ENGINEER.

8. CONSTRUCTION JOINTS IN FLOORS SHALL BE LOCATED WITHIN THE MIDDLE THIRD OF SPANS OF SLABS, BEAMS, AND GIRDERS. JOINTS IN GIRDERS SHALL BE OFFSET A MINIMUM DISTANCE OF TWO TIMES THE WIDTH OF INTERSECTING BEAMS.

G. CONCRETE MASONRY

1. CONCRETE MASONRY WORK SHALL CONFORM TO TMS 402/602, BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES.

2. MINIMUM COMPRESSIVE STRENGTH OF CONCRETE MASONRY SHALL BE F'M = 2,000 PSI.

3. MORTAR SHALL BE TYPE S AND SHALL COMPLY WITH THE BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY.

4. CONCRETE MASONRY UNITS SHALL BE GROUTED WITH 2,500 PSI COARSE GROUT AS SHOWN IN THE STRUCTURAL DOCUMENTS. GROUT SHALL CONFORM TO ASTM C476.

5. PROVIDE HORIZONTAL JOINT REINFORCEMENT WITH NO. 9 GAGE LONGITUDINAL WIRES AT 16" VERTICALLY, UNLESS NOTED OTHERWISE. PROVIDE SPECIAL ACCESSORIES FOR CORNERS, INTERSECTIONS, ETC.

6. PROVIDE OPEN BOTTOM BEAM BLOCK UNITS WITH 3" DEEP MINIMUM WEB OPENINGS AT HORIZONTAL REINFORCEMENT LOCATIONS. A MINIMUM CLEAR SPACE OF ONE BAR DIAMETER SHALL BE PROVIDED BETWEEN THE REINFORCING BARS AND THE FACE OF MASONRY UNITS.

7. PROVIDE CONTRACTION (CONTROL) JOINTS IN ALL CONCRETE MASONRY WALLS AT LOCATIONS APPROVED BY THE ARCHITECT AT A MAXIMUM SPACING OF 1.5 TIMES THE WALL HEIGHT OR 25'-0", WHICHEVER IS LESS. THE DISTANCE TO THE FIRST CONTRACTION JOINT FROM CORNERS OR INTERSECTING WALLS IS LIMITED TO HALF OF THE ABOVE VALUE.

8. PROVIDE DOVETAIL ANCHORS AT 16" C/C, UNLESS NOTED OTHERWISE, WHERE MASONRY WALLS ABUT CONCRETE SURFACES OR STRUCTURAL STEEL MEMBERS.

9. SUBMIT WRITTEN CONSTRUCTION PROCEDURES PRIOR TO THE START OF MASONRY CONSTRUCTION.

10. MINIMUM VERTICAL WALL REINFORCEMENT SHALL BE #5@32",FOR INTERIOR WALLS AND #5@16", FOR EXTERIOR WALLS, UNLESS NOTED OTHERWISE.

H. STRUCTURAL STEEL

1. STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED ACCORDING TO THE ANSI/AISC 360 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" AND THE AISC 303 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".

2. STRUCTURAL STEEL SHALL BE OF THE FOLLOWING GRADE UNLESS NOTED OTHERWISE ON DRAWINGS:

W AND WT-SHAPES	ASTM A992, GRADE 50
SQUARE/RECTANGULAR HSS	ASTM A500, GRADE C OR ASTM A1085
ROUND HSS	ASTM A500, GRADE C OR ASTM A1085
ROUND PIPE	ASTM A53, GRADE B
OTHER STEEL SHAPES (CHANNELS, ANGLES, PLATES, AND ROUND ROD)	ASTM A36

3. BOLTS, ANCHOR RODS, AND HEADED STUDS:

   3.1 ALL BOLTS SHALL BE GROUP A OR GROUP B HIGH STRENGTH BOLTS WITH A 3/4" MINIMUM DIAMETER. THE FOLLOWING CONNECTIONS SHALL BE SLIP CRITICAL:

    - SHEAR CONNECTIONS IN MOMENT CONNECTIONS WITH WELDED JOINTS (MOMENT FRAMES, CANTILEVERS, ETC.)
    - FIELD MODIFIED CONNECTIONS
    - HANGERS
    - CONNECTIONS IN BRACED FRAMES
    - OTHER CONNECTIONS AS NOTED IN THE DRAWINGS

   ALL OTHER CONNECTIONS MAY BE BEARING TYPE. BOLT SHEAR STRENGTH SHALL BE DETERMINED IN ACCORDANCE WITH TABLES 7-1 OR 7-3 AS APPLICABLE IN THE AISC "STEEL CONSTRUCTION MANUAL".

   3.2 ANCHOR RODS SHALL CONFORM TO ASTM F1554, GRADE 36, UNLESS NOTED OTHERWISE.

   3.3 HEADED STUDS SHALL BE 3/4" DIAMETER, UNLESS NOTED OTHERWISE, AND SHALL CONFORM TO AWS D1.1. LENGTH OF STUD PRIOR TO INSTALLATION SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE ON THE DRAWING:

COMPOSITE BEAMS:	3-7/8" LONG HEADED STUDS (FOR 5 1/4" SLABS) 4-7/8" LONG HEADED STUDS (FOR 6-1/4" SLABS)
BEAMS SUPPORTING CMU:	6"
MISCELLANEOUS EMBEDS:	SEE CONTRACT DRAWINGS

4. CONNECTIONS:

   4.1 STEEL CONNECTIONS SHALL BE DETAILED BASED ON THE DESIGN INFORMATION PROVIDED IN THE CONTRACT DOCUMENTS. DEVIATION FROM THE CONNECTION DETAILS DEPICTED IN THE CONTRACT DOCUMENTS SHALL NOT BE PERMITTED WITHOUT ADVANCE WRITTEN PERMISSION FROM THE STRUCTURAL ENGINEER.

   4.2 THE SERVICES OF A CONNECTION DESIGN SPECIALTY ENGINEER (CDSE) SHALL BE INCLUDED IN THE CONTRACTOR'S SCOPE OF SERVICES. THE CDSE SHALL BE LICENSED IN THE PROJECT STATE. THE CDSE IS RESPONSIBLE FOR REVIEWING THE STEEL SHOP DRAWINGS TO ENSURE THAT ALL CONNECTION DESIGN DETAILS HAVE BEEN CORRECTLY SHOWN ON THE SHOP DRAWINGS; AND, THE CDSE SHALL SUBMIT A SIGNED AND SEALED LETTER, WITH EACH SHOP DRAWING SUBMITTAL, CONFIRMING THE ABOVE REVIEW.

   4.3 STANDARD SHEAR CONNECTIONS:

   4.3.1 STANDARD SHEAR CONNECTIONS SHALL BE DETAILED AS DOUBLE-ANGLE, SINGLE-PLATE, SINGLE-ANGLE, OR TEE CONNECTIONS IN ACCORDANCE WITH CONNECTION TABLES IN PART 10 OF THE "STEEL CONSTRUCTION MANUAL". THE CDSE SHALL SUBMIT SIGNED AND SEALED CALCULATIONS FOR ALL SHEAR CONNECTIONS THAT CANNOT BE DETAILED COMPLETELY FROM THE ABOVE MANUAL FOR REVIEW BY THE STRUCTURAL ENGINEER.

   4.3.2 CONNECTIONS SHALL BE DETAILED TO CARRY A MINIMUM AXIAL LOAD OF 0.05 X THE REQUIRED SHEAR DESIGN LOAD FOR THE CONNECTION

   4.4 FOR WELDED CONNECTIONS, USE PREQUALIFIED WELDED JOINTS IN ACCORDANCE WITH AISC AND THE STRUCTURAL WELDING CODE OF THE AMERICAN WELDING SOCIETY. "NON-PREQUALIFIED JOINTS" SHALL BE QUALIFIED PRIOR TO FABRICATION.

   4.5 THE REQUIRED REACTION USING LRFD LOAD COMBINATIONS SHALL BE AS SHOWN ON THE STRUCTURAL DRAWINGS. IF REACTIONS ARE NOT SHOWN:
   FOR BEAMS W10 AND SMALLER: 10 KIP SHEAR CAPACITY
   FOR BEAMS W12 AND LARGER: CONTACT THE STRUCTURAL ENGINEER

   4.6 STEEL CONNECTIONS NOT SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS SHALL BE DESIGNED BY THE CDSE WITH THE EXCEPTION OF SIMPLE SHEAR CONNECTIONS AS DESCRIBED IN SECTION 4.3. THE CDSE SHALL SUBMIT SIGNED AND SEALED CALCULATIONS FOR ALL SUCH CONNECTIONS. THE CDSE SHALL USE THE UNIFORM FORCE METHOD WHEN APPLICABLE FOR ALL BRACE AND TRUSS TYPE CONNECTION DESIGNS.

   4.7 REVIEW OF THE SHOP DRAWINGS AND/OR CONNECTION CALCULATIONS BY THE STRUCTURAL ENGINEER DOES NOT RELIEVE THE CONTRACTOR AND CDSE OF THE FULL RESPONSIBILITY FOR THE DESIGN AND ADEQUACY OF SUCH CONNECTIONS.

5. COMPOSITE FLOOR MEMBERS ARE DESIGNED TO BE UNSHORED UNLESS OTHERWISE NOTED. THE WEIGHT OF THE WET CONCRETE WILL RESULT IN DEFLECTIONS OF THE SUPPORTING STEEL DECK, BEAMS, AND GIRDERS. ALL OVERRUNS OF CONCRETE QUANTITIES ARE TO BE ANTICIPATED AND INCLUDED IN THE CONTRACTOR'S BID. THE CONTRACTOR SHALL COORDINATE EMBEDDED ITEMS REQUIRED FOR ARCHITECTURAL, STRUCTURAL, AND MECHANICAL ELEMENTS. CONCRETE FLOORS UTILIZING UNSHORED CONSTRUCTION SHALL BE SCREEDED LEVEL.

6. SIZE AND SPACING OF CONDUITS IN COMPOSITE SLABS SHALL COMPLY WITH THE REQUIREMENTS OF ASCE 3-91, UNLESS NOTED OTHERWISE ON DRAWINGS.

7. THE CAMBER OF STEEL MEMBERS SHALL BE VERIFIED IN THE SHOP AND THE FIELD..

8. THE STRUCTURAL STEEL MEMBERS HAVE NOT BEEN DESIGNED TO ACCOMMODATE THE TORSION RESULTING FROM THE ECCENTRIC LOADING OF THE PRECAST PANELS, CURTAINWALL SYSTEMS, LIGHT GAUGE METAL FRAMING, ETC. SUPPLEMENTAL SECONDARY BRACING SHALL BE DESIGNED AND PROVIDED BY THE SUPPLIER TO ELIMINATE TORSION.

9. ALL STEEL EXPOSED TO WEATHER OR MOISTURE SHALL BE GALVANIZED, UNLESS OTHERWISE DIRECTED BY THE ARCHITECT.

10. STABILITY BRACING: THE STABILITY OF STRUCTURAL STEEL ELEMENTS INCLUDING INDIVIDUAL HOT-ROLLED STEEL SHAPES AND FABRICATED TRUSSES IS PROVIDED BY THE FOLLOWING ELEMENTS AS INDICATED AND DETAILED IN THE STRUCTURAL CONTRACT DOCUMENTS. THESE ELEMENTS SHALL BE COMPLETE AS SHOWN IN THE STRUCTURAL CONTRACT DOCUMENTS BEFORE ANY TEMPORARY MEANS AND METHODS REQUIRED FOR ERECTION ARE REMOVED.

    - STEEL FLOOR DECK WITH CONCRETE AT 28 DAY STRENGTH
    - STEEL ROOF DECK
    - DIAPHRAGM BRACING
    - STEEL JOISTS AND / OR JOIST GIRDERS WITH ASSOCIATED BOTTOM CHORD EXTENSIONS
    - STEEL JOISTS AND / OR JOIST GIRDERS
    - COLD FORMED STEEL TRUSSES WITH METAL DECK AND / OR PLYWOOD SHEETING
    - STRUCTURAL STEEL BRACING AND KICKERS

11. THE WALL THICKNESS OF ROLLED HSS MEMBERS SHOWN ON THE PLANS IS THE MINIMUM THICKNESS REQUIRED FOR STRUCTURAL PURPOSES. THE CONTRACTOR SHALL INCREASE THE WALL THICKNESS OR EMPLOY OTHER CONSTRUCTION MEANS AS REQUIRED TO PREVENT DISTORTION, WARPING, OR OIL-CANNING OF THE HSS CROSS SECTION.

I. STEEL DECK

1. STEEL DECK SHALL BE PLACED OVER MULTIPLE SPANS WHEREVER POSSIBLE. WHERE SINGLE SPAN DECK IS REQUIRED, THE CONTRACTOR SHALL DRAW SPECIFIC ATTENTION TO THOSE LOCATIONS ON THE SHOP DRAWINGS.

2. SUBMIT SHOP DRAWINGS SHOWING THE STEEL DECK PROFILE, GAGE, PHYSICAL PROPERTIES, AND LAYOUT. THE SUBMITTAL SHALL INCLUDE ALL ACCESSORIES AND INSTALLATION DETAILS. IF DECK OTHER THAN THE BASIS OF DESIGN IS PROVIDED, THE SUBMITTAL SHALL INCLUDE LOAD TABLES DEMONSTRATING THE DECK MEETS OR EXCEEDS THE BASIS OF DESIGN. THE LOAD TABLES SHALL BE IN ACCORDANCE WITH THE STEEL DECK INSTITUTE (SDI) REQUIREMENTS

3. ROOF DECK:

   3.1 DECK SHALL BE A MINIMUM OF 20 GAGE, GALVANIZED.

4. NON-COMPOSITE FORM DECK:

   4.1 DECK SHALL BE A MINIMUM OF 26 GAGE, GALVANIZED.

   4.2 NON-COMPOSITE FLOOR DECK IS DESIGNED TO BE UNSHORED UNLESS NOTED OTHERWISE ON THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR SHORING DECK OR INCREASING DECK GAGE WHERE THE DECK CLEAR SPAN EXCEEDS THE SDI MAXIMUM UNSHORED CLEAR SPAN CONSIDERING THE LAYOUT OF THE DECK. ANY SUCH AREA OF SHORING OR INCREASED DECK GAGE SHALL BE NOTED ON THE SHOP DRAWINGS AND APPROVED BY THE STRUCTURAL ENGINEER.

5. CONCRETE SLABS ON METAL DECK

   5.1 FLOOR SLABS ARE TO BE FINISHED LEVEL TO THE FLATNESS AND LEVELNESS REQUIREMENTS OF ACI 301, ACI 117, AND ACI 302.1. THE WEIGHT OF THE WET CONCRETE WILL CAUSE DEFLECTIONS OF THE STEEL FRAMING, THUS, CONCRETE OVERRUNS ARE TO BE ANTICIPATED AND INCLUDED IN THE CONTRACTOR'S BASE BID.

   5.2 COORDINATE EMBEDDED ITEMS REQUIRED FOR ARCHITECTURAL, STRUCTURAL, AND MEP ELEMENTS.

J. COLD-FORMED METAL STUDS

1. COLD-FORMED STEEL DESIGN, FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH AISI S100 "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".

2. DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS AND THEIR CONNECTIONS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. SUBMIT SHOP DRAWINGS SEALED BY AN ENGINEER LICENSED IN THE PROJECT STATE. SHOP DRAWINGS SHALL INCLUDE PLACING DRAWINGS FOR FRAMING MEMBERS SHOWING SIZE AND GAGE DESIGNATIONS, NUMBER, TYPE, LOCATION AND SPACING. INDICATE SUPPLEMENTAL STRAPPING, BRACING, SPLICES, BRIDGING, ACCESSORIES AND DETAILS REQUIRED FOR PROPER INSTALLATION. REVIEW OF SHOP DRAWINGS SHALL BE FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS REGARDING ARRANGEMENT AND SIZES OF MEMBERS AND THE CONTRACTOR'S INTERPRETATION OF THE DESIGN LOADS AND CONTRACT DOCUMENT DETAILS. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF FULL RESPONSIBILITY FOR THE DESIGN OF THE COLD-FORMED STEEL STRUCTURAL MEMBERS AND THEIR CONNECTIONS.

3. COLD-FORMED STEEL WALL SYSTEMS SHALL BE DESIGNED TO ACCOMMODATE DIFFERENTIAL LIVE LOAD DEFLECTIONS BETWEEN FLOORS.

K. POST-INSTALLED ANCHORS AND REINFORCING STEEL

1. POST-INSTALLED ANCHORS AND REINFORCING STEEL SHALL ONLY BE USED WHERE SPECIFIED ON THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE STRUCTURAL ENGINEER PRIOR TO INSTALLING POST-INSTALLED ANCHORS OR REINFORCING STEEL IN PLACE OF MISSING OR MISPLACED CAST-IN-PLACE ANCHORS OR REINFORCING STEEL.

2. ANCHORS AND REINFORCING STEEL SHALL BE INSTALLED PER THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII)

3. SUBSTITUTION REQUESTS FOR PRODUCTS OTHER THAN THOSE SPECIFIED BELOW SHALL BE SUBMITTED BY THE CONTRACTOR TO THE STRUCTURAL ENGINEER ALONG WITH CALCULATIONS THAT ARE SIGNED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER. THE CALCULATIONS SHALL DEMONSTRATE THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING EQUIVALENT PERFORMANCE VALUES (MINIMUM) OF THE SPECIFIED PRODUCT USING THE APPROPRIATE DESIGN PROCEDURE AND/OR STANDARD(S) AS REQUIRED BY THE BUILDING CODE.

4. THE CONTRACTOR SHALL ARRANGE ONSITE INSTALLATION TRAINING BY THE MANUFACTURER FOR EACH PRODUCT TO BE INSTALLED. SUBMIT TO THE STRUCTURAL ENGINEER DOCUMENTATION CONFIRMING TRAINING OF ALL PERSONNEL WHO WILL BE INSTALLING PRODUCTS. TRAINING AND DOCUMENTATION SHALL OCCUR PRIOR TO COMMENCEMENT OF PRODUCT INSTALLATION. INSTALLATION OF ADHESIVE ANCHOR PRODUCTS IN HORIZONTAL OR UPWARDLY INCLINED ORIENTATION RESISTING SUSTAINED TENSION LOADS SHALL BE CONDUCTED BY AN INSTALLER CERTIFIED IN ACCORDANCE WITH THE ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM. PROOF OF CERTIFICATION SHALL BE MAINTAINED AT THE JOB SITE.

5. ANCHOR CAPACITY IS DEPENDENT UPON SPACING BETWEEN ADJACENT ANCHORS, CONCRETE STRENGTH AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS. IF NO SPACING OR EDGE DISTANCES ARE SPECIFIED ON THE STRUCTURAL DRAWINGS, REFER TO APPLICABLE EVALUATION REPORT FOR CRITICAL SPACING AND EDGE DISTANCES.

6. EXISTING REINFORCING BARS IN THE CONCRETE STRUCTURE MAY CONFLICT WITH SPECIFIC ANCHOR OR REINFORCING LOCATIONS. THE CONTRACTOR SHALL REVIEW THE EXISTING STRUCTURAL DRAWINGS AND SHALL UNDERTAKE TO LOCATE THE POSITION OF THE REINFORCING BARS AT THE LOCATIONS OF THE CONCRETE ANCHORS OR REINFORCING, BY FERROSCAN, GPR, X-RAY, CHIPPING OR OTHER MEANS IN ORDER TO AVOID CONFLICT WITH INSTALLATION. THE CONTRACTOR SHALL NOT DAMAGE ANY REINFORCING STEEL PRIOR TO CONSULTING WITH THE STRUCTURAL ENGINEER.

7. UNLESS NOTED OTHERWISE, THE MINIMUM EMBEDMENT OF EXPANSION AND SCREW ANCHORS SHALL BE 6 TIMES THE ANCHOR DIAMETER, THE MINIMUM EMBEDMENT FOR ADHESIVE ANCHORS SHALL BE 12 TIMES THE ANCHOR DIAMETER, AND THE MINIMUM EMBEDMENT FOR ADHESIVE REINFORCING SHALL BE 12 BAR DIAMETERS.

8. ADHESIVE ANCHOR INSERT SHALL BE:

   INTERIOR NON-CORROSIVE ENVIRONMENTS: ASTM F1554 Gr. 36 ALL-THREAD ROD
   EXTERIOR NON-CORROSIVE ENVIRONMENTS: ASTM F1554 Gr. 36 ALL-THREAD ROD HOT-DIPPED GALVANIZED PER ASTM B695, CLASS 65, TYPE I
   CORROSIVE ENVIRONMENTS: ASTM A193 GR. B8M TYPE 316 ALL-THREAD ROD

9. MECHANICAL AND SCREW ANCHORS IN EXTERIOR NON-CORROSIVE ENVIRONMENTS SHALL BE HOT-DIPPED GALVANIZED PER ASTM B695, CLASS 65, TYPE I

10. ADHESIVE ANCHORS AND REINFORCING STEEL CAPACITY IS DEPENDENT UPON INSTALLATION CONDITIONS. THE FOLLOWING INSTALLATION CONDITIONS HAVE BEEN ASSUMED:

    - HOLES DRILLED WITH HAMMER DRILL WITH CARBIDE TIPPED DRILL BIT
    - DRY HOLE
    - CONCRETE CURED FOR A MINIMUM OF 21 DAYS
    - TEMPERATURE CATEGORY B (110 DEG. F LONG TERM AND 130 DEG. F SHORT TERM)

    IF THESE CONDITIONS DO NOT EXIST, THE CONTRACTOR SHALL SUBMIT ALTERNATE DRILLING METHODS AND MANUFACTURER BOND DATA FOR THE CONDITIONS BEING INSTALLED.

11. POST-INSTALLED ANCHORS AND REINFORCING INSTALLED INTO CONCRETE SHALL BE AS INDICATED BELOW.

    11.1 MECHANICAL AND SCREW ANCHORS FOR USE IN CONCRETE SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN CRACKED CONCRETE IN ACCORDANCE WITH ACI 355.2 AND ICC-ES AC193.
    11.1.1 EXPANSION ANCHORS SHALL BE ONE OF THE FOLLOWING, U.N.O.:
    SIMPSON STRONG-TIE STRONG-BOLT 2 (ICC ESR-3037)
    HILTI KWIK BOLT-TZ2 (ICC ESR-4266)
    DEWALT POWER-STUD+ SD2 (ICC ESR-2502)
    11.1.2 SCREW ANCHORS SHALL BE ONE OF THE FOLLOWING, U.N.O.:
    SIMPSON STRONG-TIE TITEN-HD (ICC ESR-2713)
    HILTI KWIK HUS-EZ (ICC ESR-3027)
    DEWALT SCREW-BOLT+ (ICC ESR-3889
    11.1.3 SHALLOW EMBEDMENT ANCHORS (<3/4") SHALL BE ONE OF THE FOLLOWING, U.N.O.:
    HILTI HDI-P-TZ (ICC ESR-4236)
    DEWALT MINI-UNDERCUT+ (ICC ESR-3912)

    11.2 ADHESIVE ANCHORS FOR USE IN CONCRETE SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN CRACKED CONCRETE IN ACCORDANCE WITH ACI 355.4 AND ICC-ES AC308 AND THE ICC-ES EVALUATION SERVICES REPORT SHALL SHOW COMPLIANCE WITH THE BUILDING CODE STATED IN SECTION B OF THESE STRUCTURAL NOTES.
    11.2.1 ADHESIVE ANCHORS SHALL BE ONE OF THE FOLLOWING, U.N.O.:
    SIMPSON STRONG-TIE SET-XP (ICC ESR-2508)
    HILTI HIT-RE 500 v3 SLOW CURE (ICC ESR-3814)
    HILTI HIT-HY 200 FAST CURE (ICC ESR-3187)
    DEWALT PURE110+ (ICC ESR-3298)
    RED HEAD EPCON C6+ (ICC ESR-3577)

    11.3 ADHESIVE FOR INSTALLING REINFORCING STEEL IN EXISTING CONCRETE SHALL BE QUALIFIED IN ACCORDANCE WITH ACI 355.4 AND ICC-ES AC308 AND THE ICC-ES EVALUATION SERVICES REPORT SHALL SHOW COMPLIANCE WITH THE BUILDING CODE STATED IN SECTION B OF THESE STRUCTURAL NOTES.
    11.3.1 ADHESIVE SHALL BE ONE OF THE FOLLOWING, U.N.O.:
    SIMPSON STRONG-TIE "SET-XP" (ICC-ES ESR-2508)
    HILTI HIT-RE 500 v3 SLOW CURE (ICC ESR-3814)
    DEWALT PURE110+ (ICC ESR-3298)
    RED HEAD EPCON C6+ (ICC ESR-3577)

12. POST-INSTALLED ANCHORS INSTALLED INTO SOLID GROUTED CONCRETE MASONRY CELLS SHALL BE AS INDICATED BELOW. DO NOT INSTALL ANCHORS INTO HOLLOW HEAD JOINTS OR TEE JOINTS BETWEEN MASONRY BLOCKS.

    12.1 MECHANICAL AND SCREW ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC01 AND AC106, RESPECTIVELY.
    12.1.1 EXPANSION ANCHORS SHALL BE ONE OF THE FOLLOWING, U.N.O.:
    SIMPSON STRONG-TIE STRONG-BOLT2 (IAPMO-UES ER-240)
    HILTI KWIK BOLT-TZ2 (ICC ESR-4561)
    DEWALT POWER-STUD+ SD1 (ICC ESR-2966)
    12.1.2 SCREW ANCHORS SHALL BE ONE OF THE FOLLOWING, U.N.O.:
    SIMPSON STRONG-TIE TITEN-HD (ICC ESR-1056)
    HILTI KWIK HUS-EZ (ICC ESR-3056)
    DEWALT SCREW-BOLT+ (ICC-ES ESR-4042)

    12.2 ADHESIVE ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC58
    12.2.1 ADHESIVE ANCHORS SHALL BE ONE OF THE FOLLOWING, U.N.O.:
    SIMPSON STRONG-TIE "SET-XP" (IAPMO-UES ER-265)
    HILTI HIT-HY 270 (ICC ESR-4143
    DEWALT AC100+ GOLD (ICC ESR-3200)

13. POST-INSTALLED ANCHORS INSTALLED INTO HOLLOW CONCRETE MASONRY SHALL BE AS INDICATED BELOW:

    13.1 SCREW ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED IN ACCORDANCE WITH ICC-ES AC106.
    13.1.1 SCREW ANCHORS SHALL BE ONE OF THE FOLLOWING, U.N.O.:
    DEWALT TAPPER + (ICC ESR 3196)
    SIMPSON STRONG-TIE TITEN-HD (ICC ESR-1056)
    HILTI KWIK-CON II (ICC ESR-NOT AVAILABLE)

    13.2 ADHESIVE ANCHORS WITH SCREEN TUBES SHALL BE TESTED AND QUALIFIED IN ACCORDANCE WITH ICC-ES AC58 OR AC60, AS APPROPRIATE. SCREEN TUBES SHALL BE USED AS RECOMMENDED BY THE ADHESIVE MANUFACTURER.
    13.2.1 ADHESIVE ANCHORS SHALL BE ONE OF THE FOLLOWING, U.N.O.:
    SIMPSON STRONG-TIE "SET-XP" (IAPMO-UES ER-265)
    HILTI HIT-HY 270 (ICC ESR-4143)
    DEWALT AC100+ GOLD (ICC ESR-3200)

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Rev #	Date	Issue/Revision
	01.25.23	DESIGN DEVELOPMENT
1	02.03.23	ISSUE FOR CONSTRUCTION

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COMMISSION NO: 22_024
DRAWING NO:
S0-01

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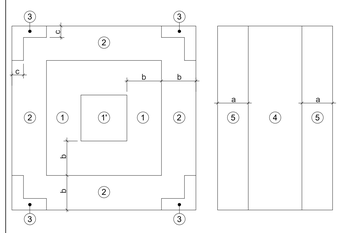
COMPONENT AND CLADDING WIND PRESSURE DIAGRAM

(PER ASCE 7-16, CHAPTER 30, PART 1 AND PART 6)

H≤60FT



ROOF PRESSURE DIAGRAM

WALL PRESSURE DIAGRAM

PARAPET PRESSURE DIAGRAM

OVERHANG PRESSURE DIAGRAM

PARAMETERS:
BASIC WIND SPEED: 120 MPH
RISK CATEGORY III
a = 15'-10"
b = 14'-1"
c = 4'-8"

EFFECTIVE AREA (ft²) - SEE NOTE 2	PRESSURE (PSF) - SEE NOTES 1 - 4										
	ROOF ZONE				WALLS		OVERHANGS			PARAPETS	
	ZONE 1'	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 1'/1	ZONE 2	ZONE 3	ZONE 4	ZONE 5
≤ 10	+16, -22	+16, -38	+16, -51	+16, -69	+24, -26	+24, -32	+16, -35	+16, -47	+16, -65	+67, -43	+86, -49
20	+16, -22	+16, -36	+16, -47	+16, -62	+23, -25	+23, -30	+16, -34	+16, -43	+16, -58	+63, -41	+78, -46
50	+16, -22	+16, -32	+16, -43	+16, -54	+22, -24	+22, -27	+16, -33	+16, -37	+16, -48	+57, -38	+68, -41
100	+16, -22	+16, -30	+16, -40	+16, -47	+20, -23	+20, -25	+16, -33	+16, -33	+16, -40	+53, -36	+60, -38
200	+16, -19	+16, -27	+16, -37	+16, -41	+19, -21	+19, -23	+16, -27	+16, -28	+16, -32	+49, -33	+53, -35
≥ 500	+16, -16	+16, -24	+16, -32	+16, -32	+18, -20	+18, -20	+16, -20	+16, -22	+16, -22	+43, -31	+43, -31

1. (+) AND (-) SIGNS INDICATED PRESSURES ACTING TOWARDS AND AWAY FROM THE SURFACE, RESPECTIVELY. SEE THE PARAPET AND OVERHANG DIAGRAMS FOR PRESSURE DIRECTION ON THOSE ELEMENTS.
2. USE THE PRESSURE ASSOCIATED WITH THE CLOSEST EFFECTIVE AREA THAT DOES NOT EXCEED THE ACTUAL EFFECTIVE AREA. ALTERNATIVELY, LINEAR INTERPOLATION IS PERMITTED.
3. IF A PARAPET ≥ 3'-0" IN HEIGHT IS PROVIDED AROUND THE PERIMETER OF A FLAT ROOF:
   THE POSITIVE VALUES FOR ZONE 3 SHALL BE EQUAL TO THOSE FOR WALL ZONE 5.
   THE POSITIVE VALUES FOR ZONE 2 SHALL BE EQUAL TO THOSE FOR WALL ZONE 4.
4. THE WIND PRESSURES USED TO DESIGN ANY DEFERRED SUBMITTAL ELEMENT SHALL BE CALCULATED BY THE REGISTERED PROFESSIONAL ENGINEER DESIGNING THOSE ELEMENTS. NOTIFY THE STRUCTURAL ENGINEER OF ANY DISCREPANCIES.

CONCRETE MASONRY UNIT WALL REINFORCING LAP LENGTH SCHEDULE (1)

TENSION OR COMPRESSION LAP SPLICE LENGTHS, (INCHES) FOR GRADE 60 (2) UNCOATED BARS (3); MASONRY

	LAP LENGTH	
BAR SIZE (4)	CASE A (5)	CASE B (5)
#3	15	27
#4	20	36
#5	25	45
#6	30	54
#7	35	63
#8	40	72
#9	46	82

NOTES:

1. LAP SPLICE LENGTHS ARE BASED ON SECTION 2107 OF THE BUILDING CODE.
2. MULTIPLY ABOVE LAP LENGTHS BY 1.25 FOR GRADE 75 REINFORCING STEEL.
3. MULTIPLY ABOVE LAP LENGTHS BY 1.50 FOR EPOXY COATED BARS.
4. REINFORCEMENT LARGER THAN #9 SHALL BE SPLICED USING MECHANICAL CONNECTIONS.
5. USE CASE B UNLESS NOTED OTHERWISE ON PLANS OR DETAILS.

REINFORCING LAP LENGTH SCHEDULE

TENSION LAP SPLICE LENGTHS, (INCHES) FOR GRADE 60 (4) UNCOATED BARS, f'c = 3,000psi; NORMAL-WEIGHT CONCRETE (5)

BAR SIZE	LAP CLASS	LAP LENGTH PER SPACING AND COVER CASE (3)					
		TOP BARS (6) CATEGORY (2)			OTHER BARS CATEGORY (2)		
		1	2	3	1	2	3
#3	A	32	22	13	25	17	12
	B	42	28	17	32	22	13
#4	A	43	29	17	33	22	13
	B	56	37	23	43	29	17
#5	A	54	36	22	41	28	17
	B	70	47	28	54	36	22
#6	A	64	43	26	50	33	20
	B	84	56	34	64	43	26
#7	A	94	63	38	72	48	29
	B	122	81	49	94	63	38
#8	A	107	72	43	82	55	33
	B	139	93	56	107	72	43
#9	A	121	81	49	93	62	38
	B	157	105	63	121	81	49
#10	A	136	91	55	105	70	42
	B	177	118	71	136	91	55
#11	A	151	101	61	116	78	47
	B	196	131	79	151	101	61

TENSION LAP SPLICE LENGTHS, (INCHES) FOR GRADE 60 (4) UNCOATED BARS, f'c = 4,000psi; NORMAL-WEIGHT CONCRETE (5)

BAR SIZE	LAP CLASS	LAP LENGTH PER SPACING AND COVER CASE (3)					
		TOP BARS (6) CATEGORY (2)			OTHER BARS CATEGORY (2)		
		1	2	3	1	2	3
#3	A	28	19	12	22	15	12
	B	36	24	15	28	19	12
#4	A	37	25	15	29	19	12
	B	48	32	20	37	25	15
#5	A	47	31	19	36	24	15
	B	60	40	24	47	31	19
#6	A	56	37	22	43	29	17
	B	72	48	29	56	37	22
#7	A	81	54	33	63	42	25
	B	106	70	42	81	54	33
#8	A	93	62	37	71	48	29
	B	121	80	48	93	62	37
#9	A	105	70	42	81	54	33
	B	136	91	55	105	70	42
#10	A	118	79	47	91	61	37
	B	153	102	62	116	79	47
#11	A	131	87	53	101	67	41
	B	170	113	68	131	87	53

TENSION LAP SPLICE LENGTHS, (INCHES) FOR GRADE 60 (4) UNCOATED BARS, f'c = 5,000psi; NORMAL-WEIGHT CONCRETE (5)

BAR SIZE	LAP CLASS	LAP LENGTH PER SPACING AND COVER CASE (3)					
		TOP BARS (6) CATEGORY (2)			OTHER BARS CATEGORY (2)		
		1	2	3	1	2	3
#3	A	25	17	12	19	13	12
	B	33	22	13	25	17	12
#4	A	33	22	14	26	17	12
	B	43	29	18	33	22	14
#5	A	42	28	17	32	22	13
	B	54	36	22	42	28	17
#6	A	50	33	20	38	26	16
	B	65	43	26	50	33	20
#7	A	73	49	29	58	37	23
	B	94	63	38	73	49	29
#8	A	83	55	33	64	43	26
	B	108	72	43	83	55	33
#9	A	94	63	38	72	48	29
	B	122	81	49	94	63	38
#10	A	105	70	42	81	54	33
	B	137	91	55	105	70	42
#11	A	117	76	47	90	60	36
	B	152	101	61	117	78	47

TENSION LAP SPLICE LENGTHS, (INCHES) FOR GRADE 60 (4) UNCOATED BARS, f'c = 7,000psi; NORMAL-WEIGHT CONCRETE (5)

BAR SIZE	LAP CLASS	LAP LENGTH PER SPACING AND COVER CASE (3)					
		TOP BARS (6) CATEGORY (2)			OTHER BARS CATEGORY (2)		
		1	2	3	1	2	3
#3	A	21	14	12	16	12	12
	B	26	18	12	21	14	12
#4	A	28	19	12	22	15	12
	B	37	25	15	28	19	12
#5	A	35	24	14	27	18	12
	B	46	31	18	35	24	14
#6	A	42	28	17	33	22	13
	B	55	37	22	42	28	17
#7	A	61	41	25	47	32	19
	B	80	53	32	61	41	25
#8	A	70	47	28	54	36	22
	B	91	61	37	70	47	28
#9	A	79	53	32	61	41	25
	B	103	69	41	79	53	32
#10	A	89	59	36	69	46	28
	B	116	77	47	89	59	36
#11	A	99	66	40	76	51	31
	B	128	86	52	99	66	40

TENSION LAP SPLICE LENGTHS, (INCHES) FOR GRADE 60 (4) UNCOATED BARS, f'c =8,000psi; NORMAL-WEIGHT CONCRETE (5)

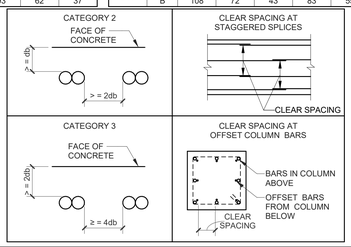
BAR SIZE	LAP CLASS	LAP LENGTH PER SPACING AND COVER CASE (3)					
		TOP BARS (6) CATEGORY (2)			OTHER BARS CATEGORY (2)		
		1	2	3	1	2	3
#3	A	20	13	12	15	12	12
	B	26	17	12	20	13	12
#4	A	26	18	12	20	14	12
	B	34	23	14	26	18	12
#5	A	33	22	13	25	17	12
	B	43	29	17	33	22	13
#6	A	40	26	16	30	20	12
	B	51	34	21	40	26	16
#7	A	58	38	23	44	30	18
	B	75	50	30	58	38	23
#8	A	66	44	26	51	34	20
	B	85	57	34	66	44	26
#9	A	74	49	30	57	38	23
	B	96	64	39	74	49	30
#10	A	83	56	34	64	43	26
	B	108	72	44	83	56	34
#11	A	93	62	37	71	48	29
	B	120	80	48	93	62	37

TENSION LAP SPLICE LENGTHS, (INCHES) FOR GRADE 60 (4) UNCOATED BARS, f'c = 9,000psi; NORMAL-WEIGHT CONCRETE (5)

BAR SIZE	LAP CLASS	LAP LENGTH PER SPACING AND COVER CASE (3)					
		TOP BARS (6) CATEGORY (2)			OTHER BARS CATEGORY (2)		
		1	2	3	1	2	3
#3	A	18	12	12	14	12	12
	B	23	16	12	18	12	12
#4	A	24	16	12	18	12	12
	B	31	21	12	24	16	12
#5	A	30	20	12	23	15	12
	B	38	26	16	30	20	12
#6	A	35	24	14	27	18	12
	B	46	31	19	35	24	14
#7	A	51	34	21	40	27	16
	B	67	45	27	51	34	21
#8	A	59	39	24	45	30	18
	B	76	51	31	59	39	24
#9	A	66	44	27	51	34	21
	B	86	57	35	66	44	27
#10	A	75	50	30	57	38	23
	B	97	65	39	75	50	30
#11	A	83	55	33	64	43	26
	B	108	72	43	83	55	33

LAP NOTES:

1. LAP SPLICE LENGTHS ARE BASED ON ACI 318-11 SECTION 12.2 AND SUBSECTIONS 12.2.2 AND 12.2.3.
2. CATEGORY DEFINITIONS: (SEE ADJACENT FIGURES FOR ADDITIONAL INFORMATION)
   - CATEGORY 1 - CODE 12.2.2 OTHER CASES - DOES NOT MEET CATEGORY 2 OR 3.
   - CATEGORY 2 - CODE 12.2.2 - CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED NOT LESS THAN 2db AND CLEAR COVER NOT LESS THAN db.
   - CATEGORY 3 - CODE 12.2.3 - CLEAR COVER NOT LESS THAN 2db AND THE CLEAR SPACING NOT LESS THAN 4db.
3. MINIMUM LAP SPLICE SHALL NOT BE LESS THAN 12 INCHES.
4. MULTIPLY ABOVE LAP LENGTHS BY 1.25 FOR GRADE 75 REINFORCING STEEL.
5. MULTIPLY ABOVE LAP LENGTHS BY 1.3 FOR LIGHTWEIGHT CONCRETE.
6. TOP BARS ARE DEFINED AS HORIZONTAL REINFORCEMENT SO PLACED THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE DEVELOPMENT LENGTH OR SPLICE.
7. COMPRESSION LAPS FOR GR. 60 UNCOATED BARS IN NORMAL WEIGHT CONCRETE WITH A MINIMUM STRENGTH OF 3,000 PSI SHALL BE 30db. USE 44db FOR GR. 75 COMPRESSION LAP.



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Rev #	Date	Issue/Revision
	01.25.23	DESIGN DEVELOPMENT
1	02.03.23	ISSUE FOR CONSTRUCTION

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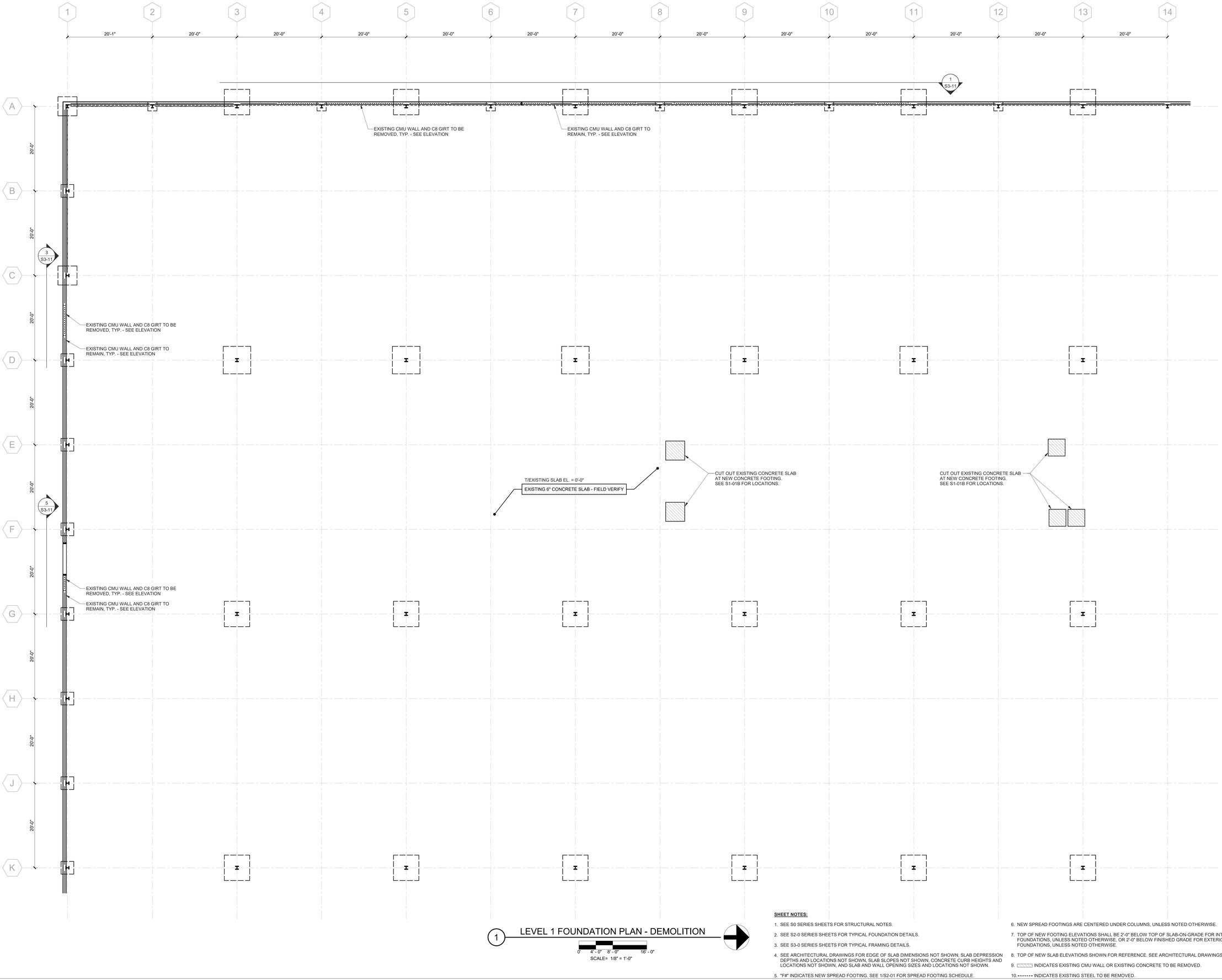

1 LEVEL 1 FOUNDATION PLAN - DEMOLITION

0' 4'-0" 8'-0" 16'-0"

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

SHEET NOTES:

1. SEE S0 SERIES SHEETS FOR STRUCTURAL NOTES.
2. SEE S2-0 SERIES SHEETS FOR TYPICAL FOUNDATION DETAILS.
3. SEE S3-0 SERIES SHEETS FOR TYPICAL FRAMING DETAILS.
4. SEE ARCHITECTURAL DRAWINGS FOR EDGE OF SLAB DIMENSIONS NOT SHOWN, SLAB DEPRESSION DEPTHS AND LOCATIONS NOT SHOWN, SLAB SLOPES NOT SHOWN, CONCRETE CURB HEIGHTS AND LOCATIONS NOT SHOWN, AND SLAB AND WALL OPENING SIZES AND LOCATIONS NOT SHOWN.
5. "F#" INDICATES NEW SPREAD FOOTING. SEE 1/S2-01 FOR SPREAD FOOTING SCHEDULE.
6. NEW SPREAD FOOTINGS ARE CENTERED UNDER COLUMNS, UNLESS NOTED OTHERWISE.
7. TOP OF NEW FOOTING ELEVATIONS SHALL BE 2'-0" BELOW TOP OF SLAB-ON-GRADE FOR INTERIOR FOUNDATIONS, UNLESS NOTED OTHERWISE, OR 2'-0" BELOW FINISHED GRADE FOR EXTERIOR FOUNDATIONS, UNLESS NOTED OTHERWISE.
8. TOP OF NEW SLAB ELEVATIONS SHOWN FOR REFERENCE. SEE ARCHITECTURAL DRAWINGS.
9. ▨ INDICATES EXISTING CMU WALL OR EXISTING CONCRETE TO BE REMOVED.
10. ------- INDICATES EXISTING STEEL TO BE REMOVED.

RULE JOY TRAMMELL + RUBIO, LLC
ARCHITECTURE + INTERIOR DESIGN
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1	02.03.23	ISSUE FOR CONSTRUCTION

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Suite 675 South
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www.sdlal.com
770-850-1347

Project No. 22301.00
COA No. PEF001100 06/30/24

GEORGIA REGISTERED No. 31655 PROFESSIONAL STEVEN M. HAWKINS

02/03/23

ISSUED FOR CONSTRUCTION

LEVEL 1 FOUNDATION PLAN - DEMOLITION

JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024

DRAWING NO:

S1-01-A

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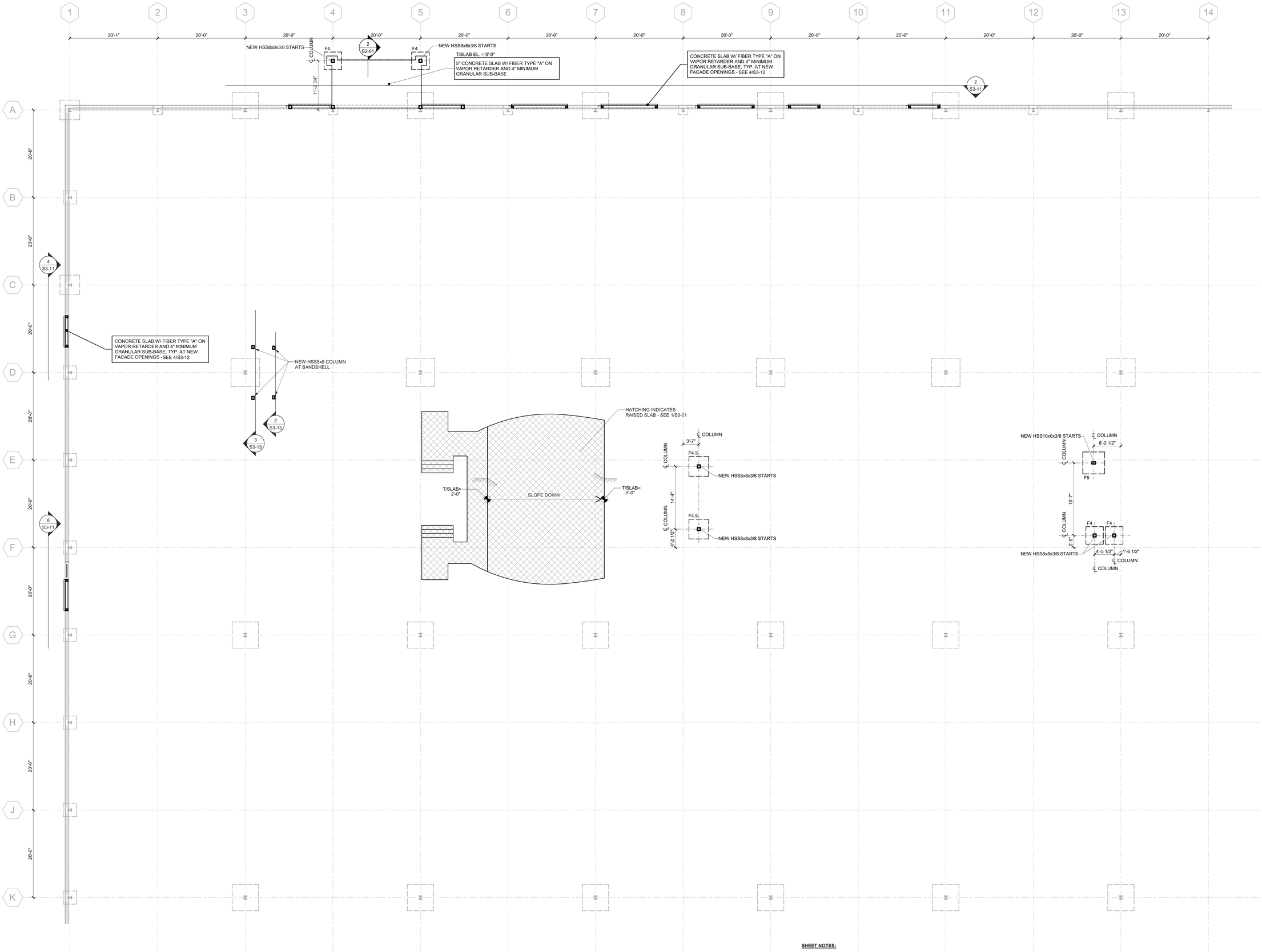

1 LEVEL 1 FOUNDATION PLAN - CONSTRUCTION

0' 4' - 0" 8' - 0" 16' - 0"

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

SHEET NOTES:

1. SEE S0 SERIES SHEETS FOR STRUCTURAL NOTES.
2. SEE S2-0 SERIES SHEETS FOR TYPICAL FOUNDATION DETAILS.
3. SEE S3-0 SERIES SHEETS FOR TYPICAL FRAMING DETAILS.
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8. TOP OF NEW SLAB ELEVATIONS SHOWN FOR REFERENCE. SEE ARCHITECTURAL DRAWINGS.
9. ELEMENTS SHOWN IN HALFTONE REPRESENT EXISTING STRUCTURE. GENERAL CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS.

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COA No. PEF001100 06/30/24

GEORGIA REGISTERED No. 21655 PROFESSIONAL STEVEN M. HAMMES

02/03/23

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LEVEL 1 FOUNDATION PLAN - CONSTRUCTION

JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
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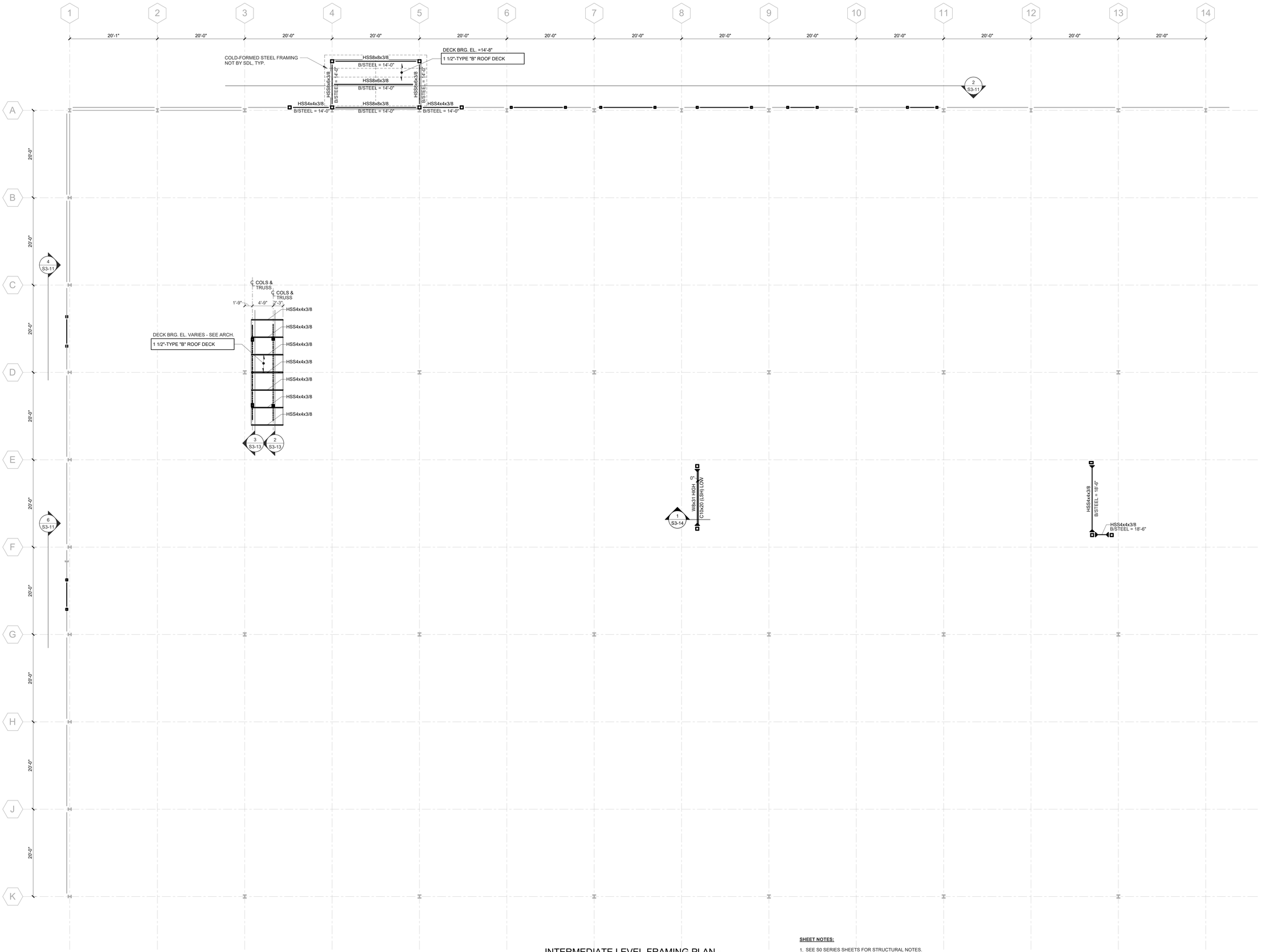

INTERMEDIATE LEVEL FRAMING PLAN - CONSTRUCTION

1

0' 4'- 0" 8'- 0" 16'- 0"

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

SHEET NOTES:

1. SEE S0 SERIES SHEETS FOR STRUCTURAL NOTES.
2. SEE S3-0 SERIES SHEETS FOR TYPICAL FRAMING DETAILS.
3. SEE ARCHITECTURAL DRAWINGS FOR EDGE OF SLAB DIMENSIONS NOT SHOWN, SLAB DEPRESSION DEPTHS AND LOCATIONS NOT SHOWN, SLAB SLOPES NOT SHOWN, CONCRETE CURB HEIGHTS AND LOCATIONS NOT SHOWN, AND SLAB AND WALL OPENING SIZES AND LOCATIONS NOT SHOWN.
4. TOP OF NEW STEEL AND NEW SLAB ELEVATIONS SHOWN FOR REFERENCE. SEE ARCHITECTURAL DRAWINGS.
5. ELEMENTS SHOWN IN HALFTONE REPRESENT EXISTING STRUCTURE. GENERAL CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS.

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INTERMEDIATE LEVEL FRAMING PLAN - CONSTRUCTION

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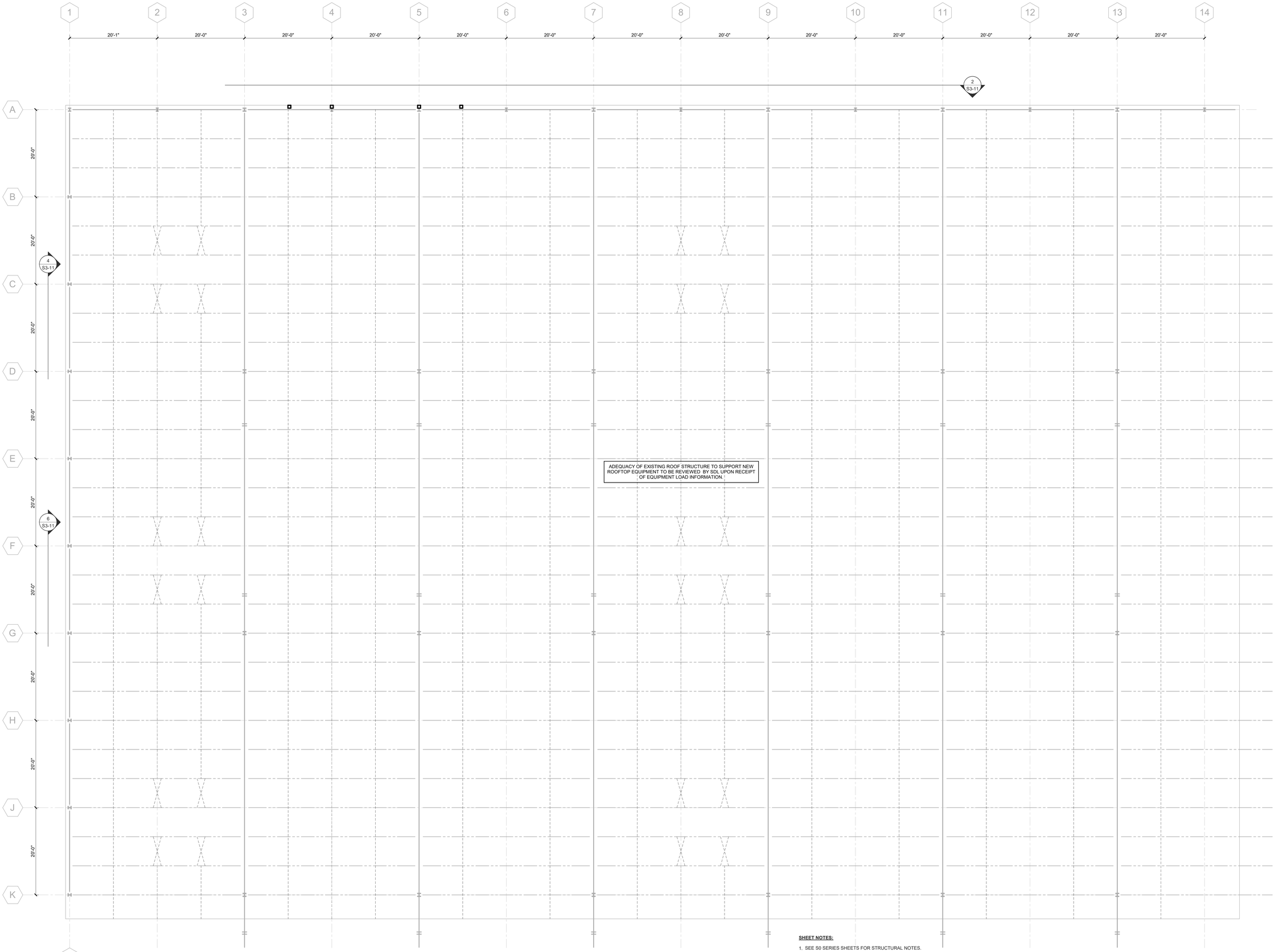

1 ROOF LEVEL FRAMING PLAN - CONSTRUCTION

0' 4' - 0" 8' - 0" 16' - 0"

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

SHEET NOTES:

1. SEE S0 SERIES SHEETS FOR STRUCTURAL NOTES.
2. SEE S3-0 SERIES SHEETS FOR TYPICAL FRAMING DETAILS.
3. SEE ARCHITECTURAL DRAWINGS FOR EDGE OF SLAB DIMENSIONS NOT SHOWN, SLAB DEPRESSION DEPTHS AND LOCATIONS NOT SHOWN, SLAB SLOPES NOT SHOWN, CONCRETE CURB HEIGHTS AND LOCATIONS NOT SHOWN, AND SLAB AND WALL OPENING SIZES AND LOCATIONS NOT SHOWN.
4. TOP OF NEW STEEL AND NEW SLAB ELEVATIONS SHOWN FOR REFERENCE. SEE ARCHITECTURAL DRAWINGS.
5. ELEMENTS SHOWN IN HALFTONE REPRESENT EXISTING STRUCTURE. GENERAL CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS.

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02/03/23

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ROOF LEVEL FRAMING PLAN - CONSTRUCTION

JUNIOR ACHIEVEMENT

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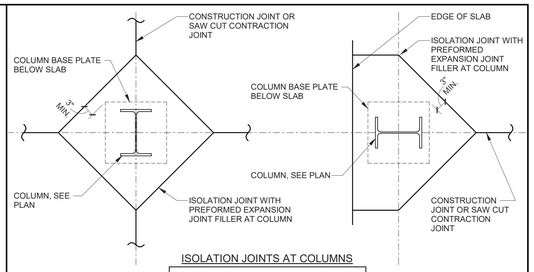
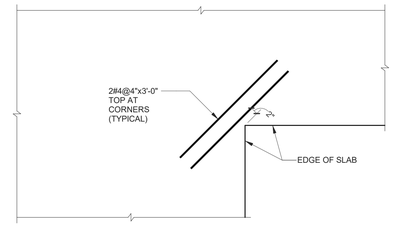


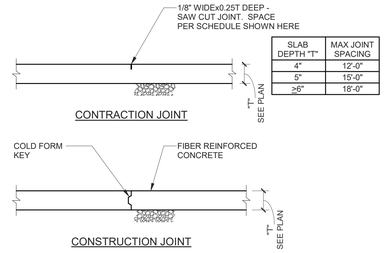
ISOLATION JOINTS AT COLUMNS

NOTE: ISOLATION OF COLUMNS IS REQUIRED.

5 TYPICAL SLAB ON GRADE JOINT DETAILS AT STEEL COLUMNS

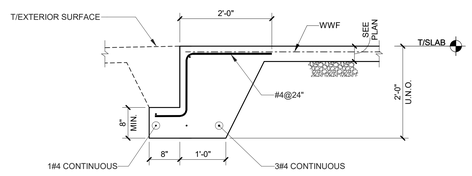


4 TYPICAL REINFORCING AT SLAB ON GRADE RE-ENTRANT CORNERS

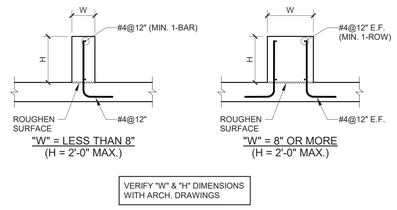


SLAB DEPTH "T"	MAX JOINT SPACING
4"	12'-0"
5"	15'-0"
≥6"	18'-0"

3 TYPICAL SLAB ON GRADE DETAILS

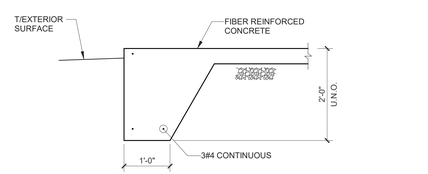


2 TYPICAL TURNED DOWN SLAB AT ENTRANCE



VERIFY "W" & "H" DIMENSIONS WITH ARCH. DRAWINGS

6 TYPICAL CONCRETE CURB DETAILS



1 TYPICAL TURNED DOWN SLAB

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770-850-1347

Project No. 22301.00
COA No. PER001100 06/30/24

GEORGIA REGISTERED No. 31655 PROFESSIONAL STEVEN M. HAWKINS

02/03/23

ISSUED FOR CONSTRUCTION

TYPICAL FOUNDATION SECTIONS AND DETAILS

JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024

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S2-01

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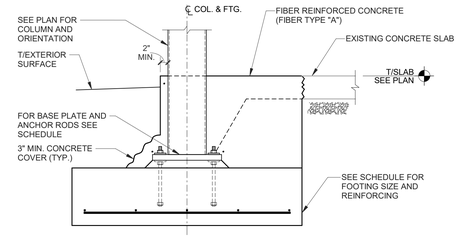
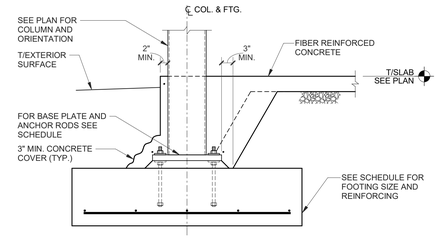


5 TYPICAL EXTERIOR COLUMN FOOTING DETAIL AT EXISTING SLAB



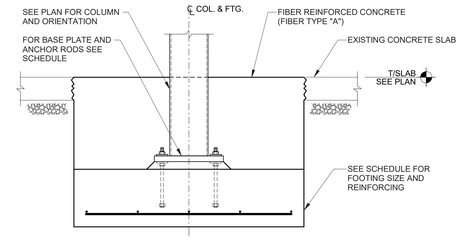
4 TYPICAL EXTERIOR COLUMN FOOTING DETAIL

ANCHOR ROD DIAMETER (INCHES)	MAXIMUM HOLE DIAMETER (INCHES)	MINIMUM WASHER WIDTH (INCHES) NOTE 1	MINIMUM WASHER THICKNESS (INCHES)	BASE PLATE GROUT (INCHES)	WELD, "Y" WASHER TO BASE PLATE (INCHES)
3/4	1 5/16	2	1/4	2	3/16, NOTE 2
7/8	1 9/16	2 1/2	5/16	2	3/16, NOTE 2
1	1 7/8	3	3/8	2	3/16, NOTE 2
1 1/4	2 1/8	3 1/2	1/2	3	3/16
1 1/2	2 3/8	4	1/2	3	3/16
1 3/4	2 7/8	4 1/2	5/8	4	1/4
2	3 1/4	5	3/4	4	5/16
2 1/2	3 3/4	5 1/2	7/8	4	5/16

NOTES:

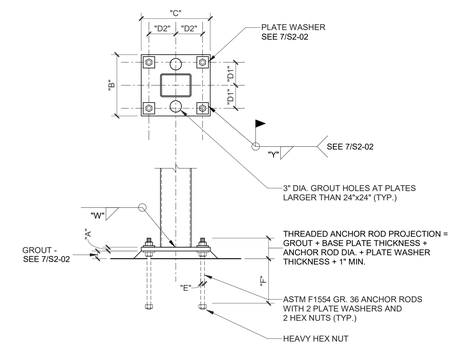
1. PROVIDE SQUARE PLATE WASHERS CONFORMING TO ASTM A36 WITH STANDARD HOLES.
2. WELDS ARE NOT REQUIRED FOR GRAVITY COLUMNS.

7 PLATE WASHER & GROUT THICKNESS SCHEDULE

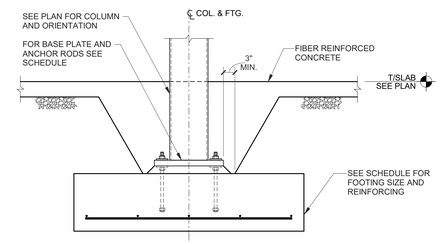


3 TYPICAL INTERIOR COLUMN FOOTING DETAIL AT EXISTING CONCRETE SLAB

BASE PLATE & ANCHOR ROD SCHEDULE									
COLUMN SIZE	BASE PLATE					ANCHOR RODS			WELD
	A	B	C	D1	D2	E	F	№	W
HSS10x6	3/4"	12"	18"	4"	7"	3/4"	8"	4	1/4"
HSS8x8	3/4"	16"	16"	6"	6"	3/4"	8"	4	1/4"



6 BASE PLATE AND ANCHOR ROD SCHEDULE



2 TYPICAL INTERIOR COLUMN FOOTING DETAIL

FOOTING SCHEDULE						
MARK	LENGTH	WIDTH	THICKNESS	TOP REINFORCEMENT	BOTTOM REINFORCEMENT	REMARKS
F4	4'-0"	4'-0"	1'-0"	-	5#5 E.W.	
F4.5	4'-6"	4'-6"	1'-0"	-	6#5 E.W.	
F5	5'-0"	5'-0"	1'-0"	-	6#5 E.W.	

1 SPREAD FOOTING SCHEDULE

RULE JOY TRAMMELL + RUBIO LLC
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Project No. 22301.00
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GEORGIA REGISTERED No. 21655 PROFESSIONAL STEVEN M. HAWKINS

02/03/23

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TYPICAL FOUNDATION SECTIONS AND DETAILS

JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO.: 22_024

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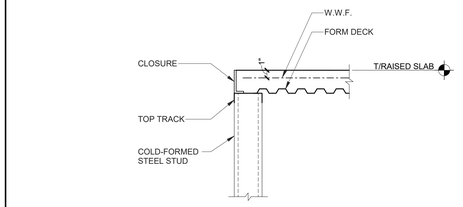
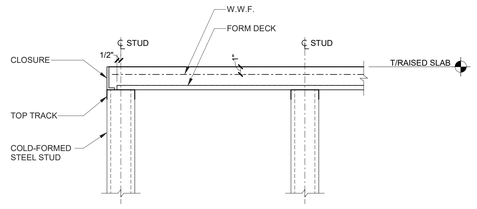


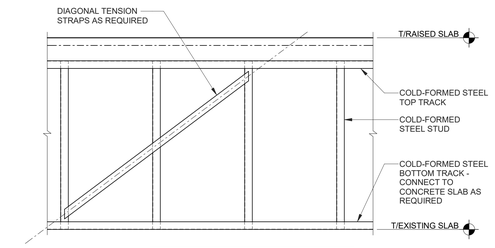
NOTE: DESIGN OF COLD-FORMED STEEL FRAMING AND ITS CONNECTIONS NOT BY SDL.

4 SECTION



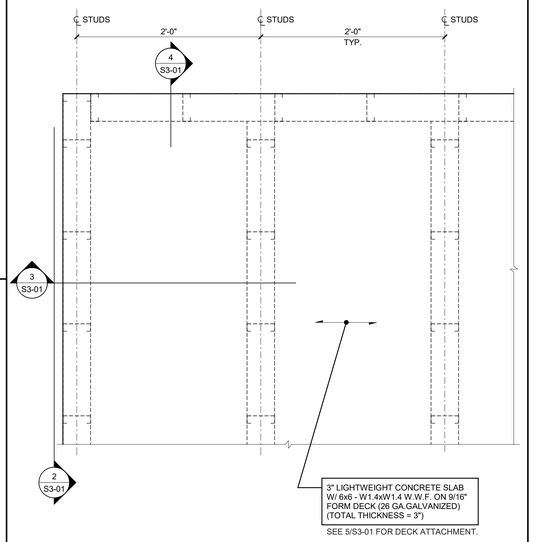
NOTE: DESIGN OF COLD-FORMED STEEL FRAMING AND ITS CONNECTIONS NOT BY SDL.

3 SECTION



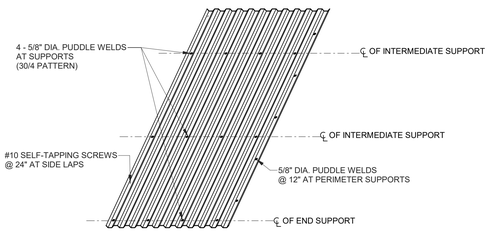
NOTE: DESIGN OF COLD-FORMED STEEL FRAMING AND ITS CONNECTIONS NOT BY SDL.

2 SECTION



SEE 5/S3-01 FOR DECK ATTACHMENT.

1 TYPICAL RAISED SLAB DETAIL



5 TYPICAL FORM DECK ATTACHMENT
9/16" TYPE "C" FORM DECK

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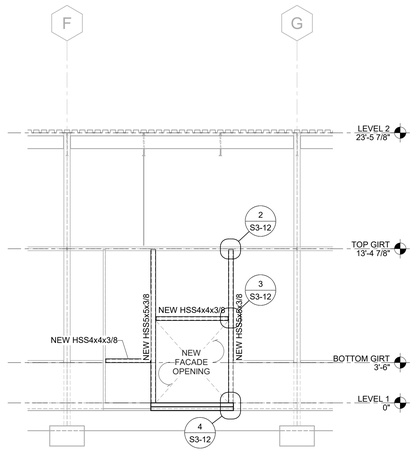

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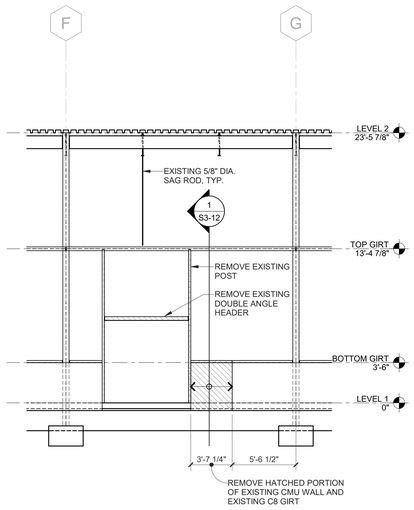

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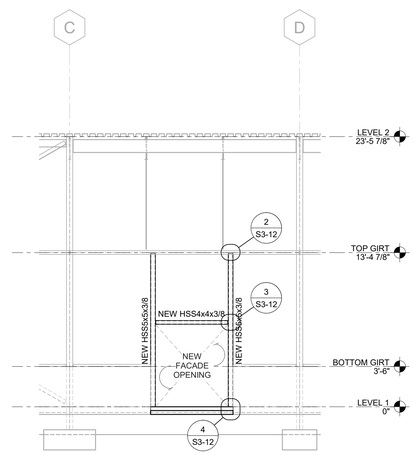

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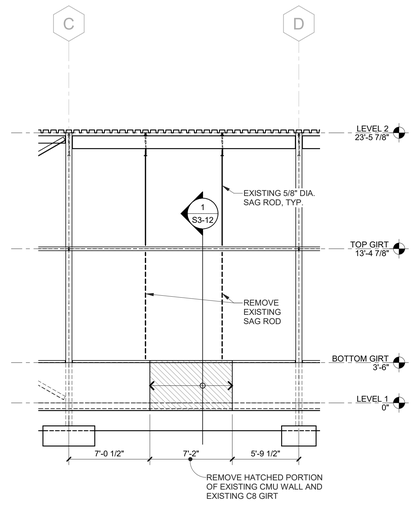

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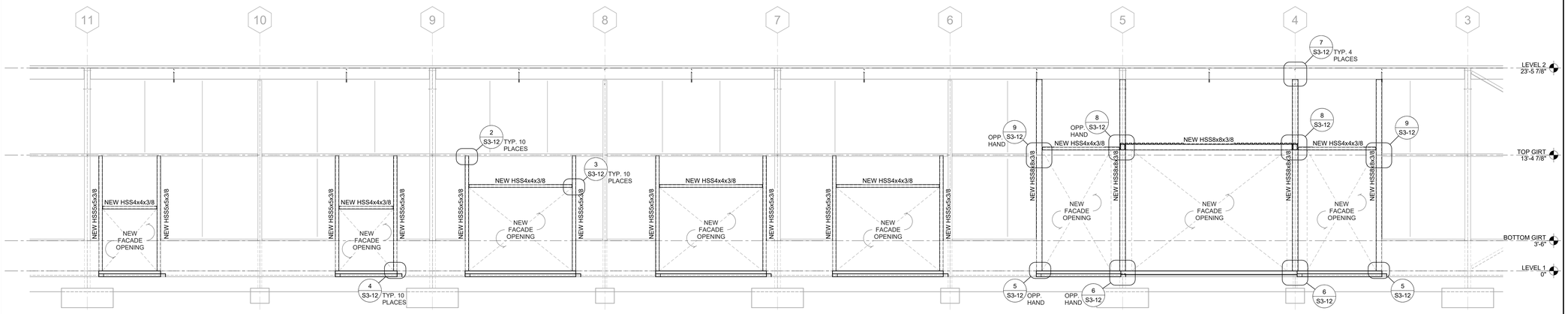

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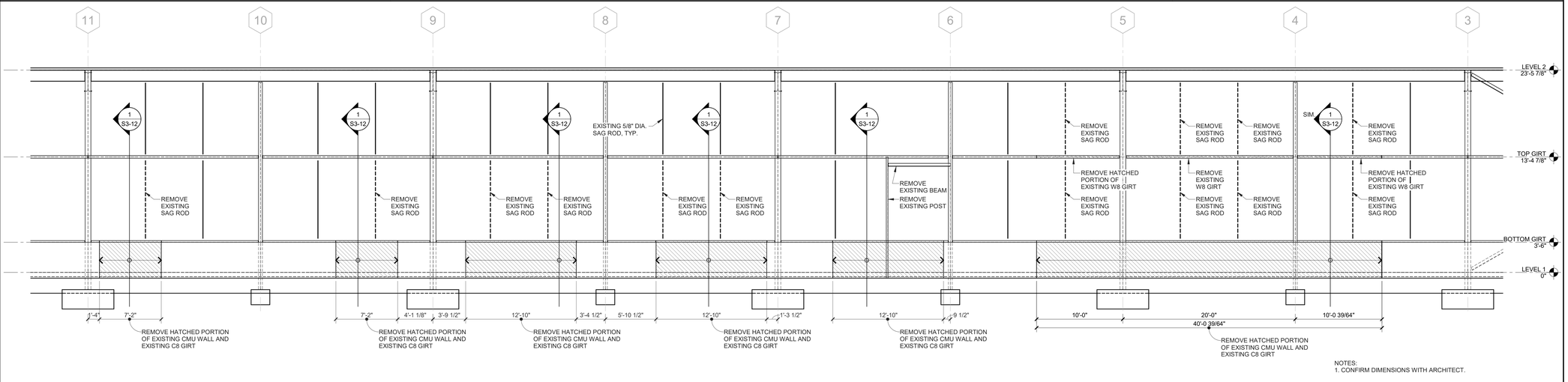

NOTES:
1. CONFIRM DIMENSIONS WITH ARCHITECT.

1 FRAME ELEVATION AT GRID A - DEMOLITION

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ARCHITECTURE INTERIOR DESIGN
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	01.25.23	DESIGN DEVELOPMENT
1	02.03.23	ISSUE FOR CONSTRUCTION

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Structural Engineers
1300 Windy Ridge Pkwy SE
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Project No. 22301.00
COA No. PEP001100 06/30/24

GEORGIA REGISTERED No. 21655 PROFESSIONAL ENGINEER STEVEN M. HARRIS

02/03/23

ISSUED FOR CONSTRUCTION

FRAME ELEVATIONS

JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
EVANS, GA 30809

COMMISSION NO: 22_024

DRAWING NO:

S3-11

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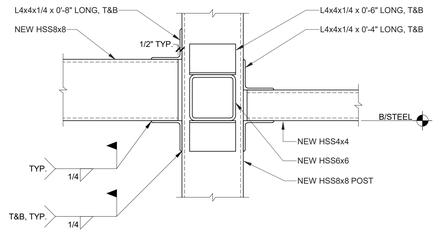

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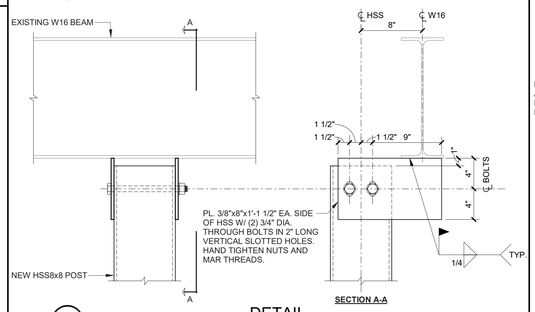
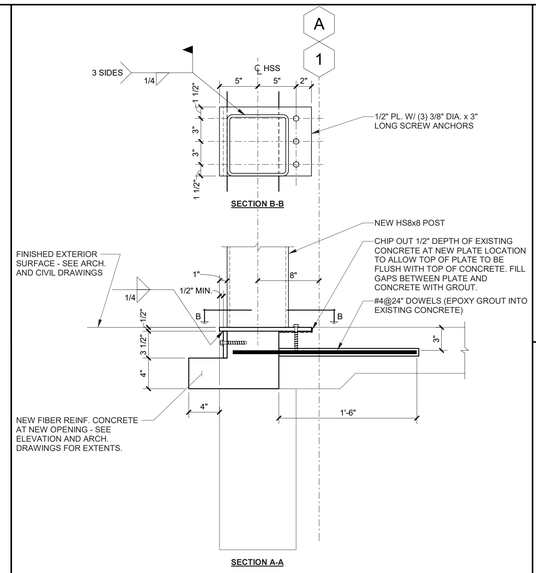
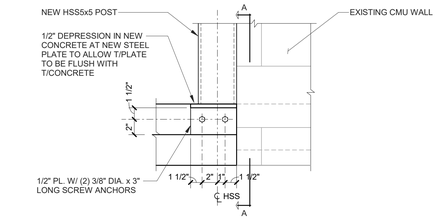


7 DETAIL





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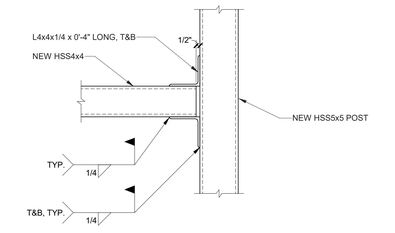

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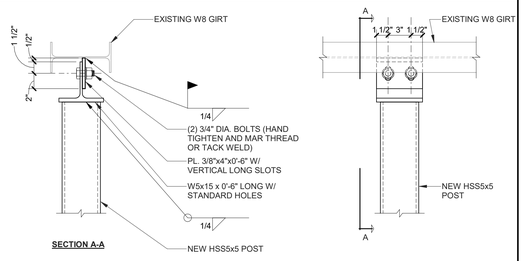

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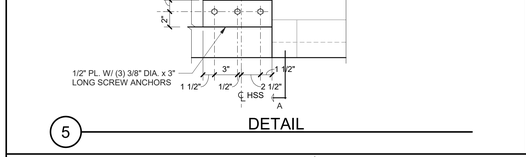

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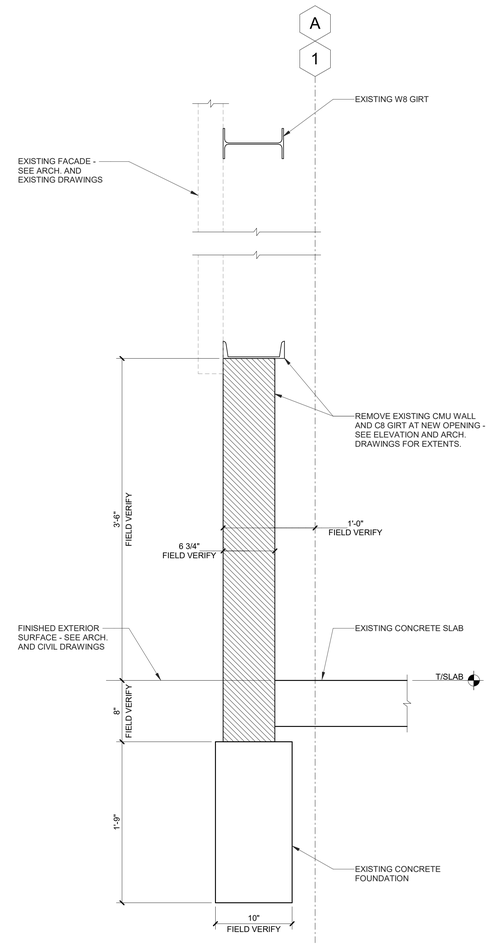

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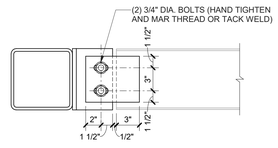

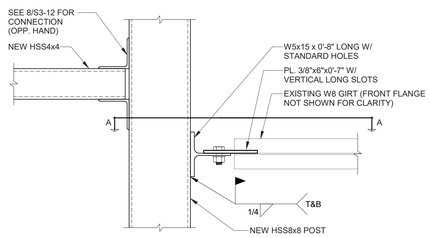

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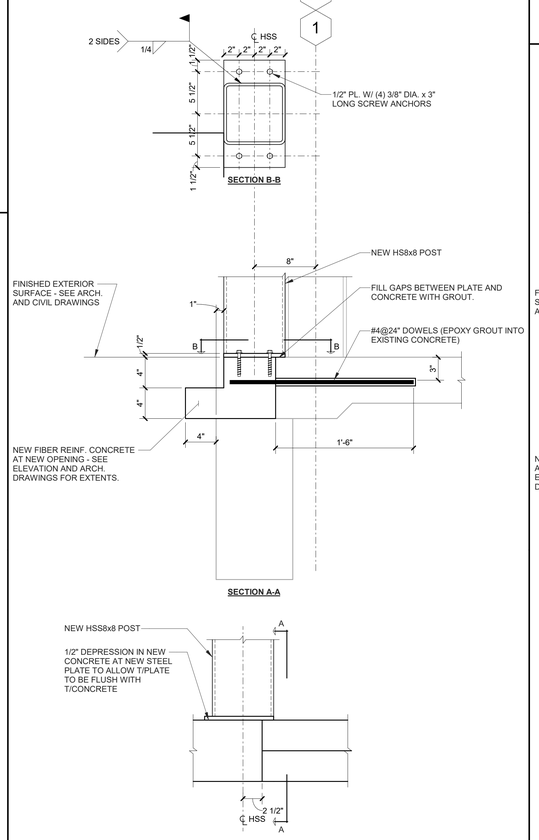

6 DETAIL

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COA No. PEF001100 06/30/24

GEORGIA REGISTERED No. 21659 PROFESSIONAL ENGINEER STEVEN M. HAWKINS
02/03/23

ISSUED FOR CONSTRUCTION

FRAMING SECTIONS AND DETAILS

JUNIOR ACHIEVEMENT

4395 RIVER WATCH PARKWAY
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S3-12

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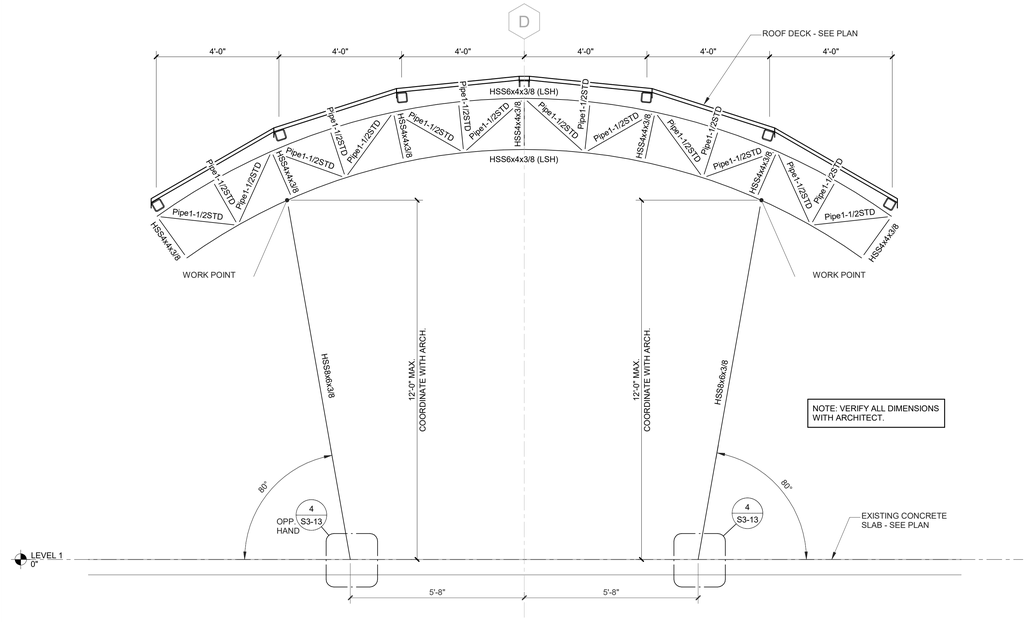
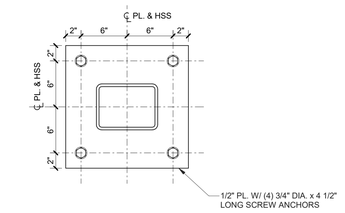
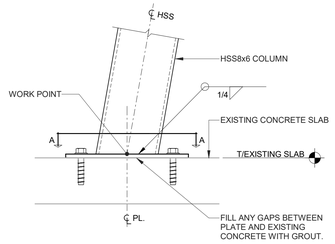


2 FRAME ELEVATION AT BANDSHELL STRUCTURE





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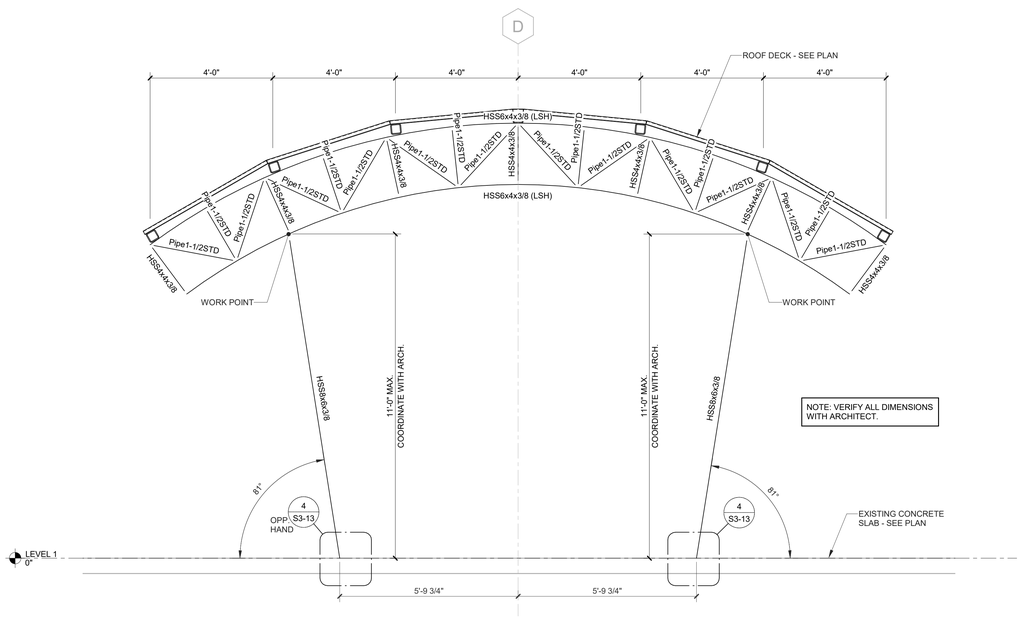

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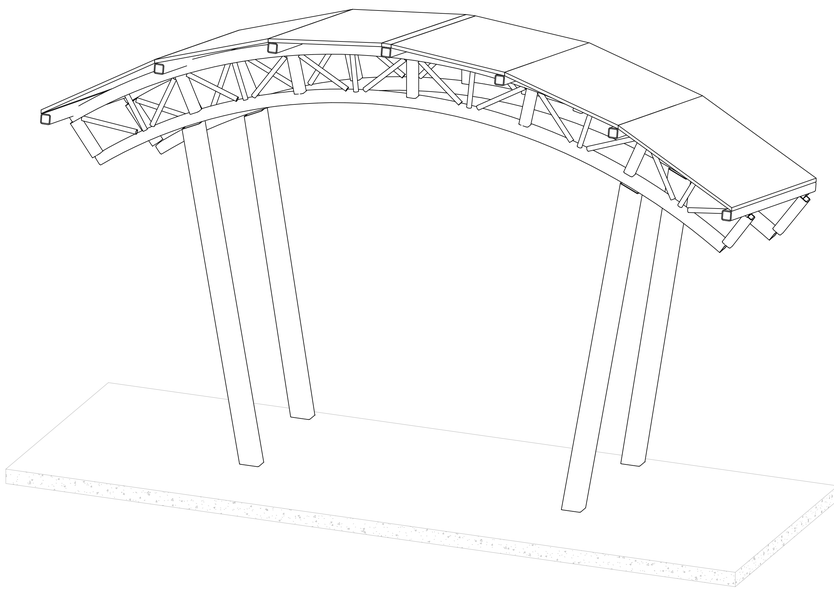

1 BANDSHELL FRAMING - 3D PERSPECTIVE VIEW

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GEORGIA REGISTERED No. 21655 PROFESSIONAL ENGINEER STEVEN M. HAMNER

02/03/23

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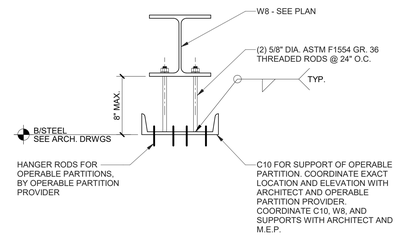

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770 850 1547

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COA No. PEF001100 06/30/24

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02/03/23

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