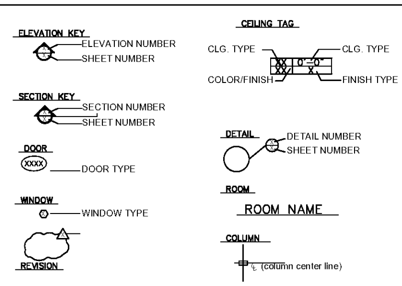
CreekStone ACADEMY

2465 MEMORIAL DRIVE
ATLANTA, GA (DEKALB COUNTY)
CITY OF ATLANTA ZONE: R-4

DRAWING SYMBOLS



ABBREVIATIONS

#	NUMBER	EQUIP.	EQUIPMENT
&	AND	EXH	EXHAUST
@	AT	EXIST.	EXISTING
W/	WITH	EXT	EXTERIOR
A/C	AIR CONDITIONING	FD	FLOOR DRAIN
ACOUST.	ACOUSTIC(AL)	FF	FINISHED FLOOR
ADD'L.	ADDITIONAL	FLR	FLOOR
ADJ	ADJACENT	FT	FOOT, FEET
A.F.F.	ABOVE FINISHED FLOOR	FURR	FURRED, FURRING
ALT.	ALTERNATE(ING)	FRP	FIRE RESISTANT PANEL
ALUM.	ALUMINUM	GC	GENERAL CONTRACTOR
APPROX.	APPROXIMATE(LY)	GEN.	GENERAL
ARCH.	ARCHITECT(URAL)	GYP	GYPSUM
AVG.	AVERAGE	HC	HOLLOW CORE
BLDG.	BUILDING	HM	HOLLOW METAL
BD.	BOARD	HORIZ.	HORIZONTAL
BLK.	BLOCK	HGT	HEIGHT(H)
BLK'G.	BLOCKING	HTG.	HEATING
BTWN.	BETWEEN	HVAC	HEATING VENTILATING & A/C
CER.	CERAMIC	H.W.	HOT WATER
CIR.	CIRCLE	IN.	INCH (ES)
C.J.	CONTROL JOINT	INFO.	INFORMATION
CLG	CEILING	INSUL.	INSULATION
CLR	CLEAR	INT.	INTERIOR
CMU	CONCRETE MASONRY UNIT	JST.	JOIST
COL	COLUMN	JT.	JOINT
CONC.	CONCRETE	K.E.S.	KTCHEN EQUIP. SUPPLIER
CONT.	CONTINUOUS	KIT.	KITCHEN
CPT	CARPET	LAM.	LAMINATE
CTR	CENTER	LAV.	LAVATORY(IES)
CT	CERAMIC TILE	LG.	LONG
DEMO.	DEMOLISH(TION)	LGTH.	LENGTH
DETAIL	DETAIL	LT.	LIGHT
DIA.	DIAMETER	MAT'L.	MATERIAL
DIAG	DIAGNOL	MECH.	MECHANICAL
DIM	DIMENSION	MET.	METAL
DN	DOWN	MFR.	MANUFACTURER
DWG	DRAWING	MIN.	MINIMUM
DWR	DRAWER	MISC.	MISCELLANEOUS
E	EAST	N.T.S.	NOT TO SCALE
EA	EACH	O.C.	ON CENTER
EXPAN.	EXPANSION JOINT	STL.	STEEL
ELEC	ELECTRIC(AL)	STOR.	STORAGE
ELEV	ELEVATION	SYM.	SYMBOLS
ENG	ENGINEER(ING)	SYS.	SYSTEM
EQ.	EQUAL	TEL.	TELEPHONE
PART.	PARTITION	TEMP.	TEMPER(ED)
PG.	PAGE	TYP.	TYPICAL
P-LAM.	PLASTIC LAMINATE	UTIL.	UTILITY
PLYWD.	PLYWOOD	VERT.	VERTICAL
PTD.	PAINTED	VOL.	VOLUME
Q.T.	QUARRY TILE	V.T	VINYL TILE
RCP	REFLECTED CEILING PLAN	W/	WITH
REF.	REFERENCE	W/C	WATER CLOSET
RM.	ROOM	WD.	WOOD
SCHED.	SCHEDULE	W.H.	WATER HEATER
SECT.	SECTION	W/O	WITHOUT
SHT.	SHEET	WT.	WEIGHT
SHTG.	SHEETING	WTH.	WIDTH
SPEC'D.	SPECIFIED	YD.	YARD
SPECS.	SPECIFICATIONS		
SQ.	SQUARE		
STG.	SEATING		

GENERAL INFORMATION

APPLICABLE CODES

CONSTRUCTION CODES

List the following codes and editions:

- •International Building Code (IBC)- 2012 edition with Georgia Amendments
- •National Electric Code (NEC) - 2018 edition
- •International Fuel Gas Code (IFGC) - 2012 edition with Georgia Amendments
- •International Mechanical Code (IMC) - 2012 edition with Georgia Amendments
- •International Plumbing Code (IPC) - 2012 edition with Georgia Amendments
- •International Energy Conservation Code (IECC) - 2009 edition with Georgia Amendments
- •International Fire Code (IFC) - 2012 edition with Georgia Fire Marshal Amendments
- •Georgia Accessibility Code - GAC 120-3-20 - 1997 edition
- •National Fire Protection Association 101 Life Safety Code (LSC) - 2012 Edition

OCCUPANCY

OCCUPANCY(S) / GROUP CLASSIFICATION: GROUP E - EDUCATIONAL (DAYCARE)

TENANT TOTAL SQ. FT. 6133

DAYCARE SQ. FT. 6133 EDUCATIONAL CLASS ROOMS: 35 NET / SQ. FT.: 1/35 NET = 175

TOTAL LOAD OCCUPANTS: 175

EXITS

MINIMUM NUMBER OF EXITS: 2 MAXIMUM TRAVEL DISTANCE: 300'-0"

MAX. DEAD END CORRIDOR: 50'-0" MIN. CORRIDOR/AISLE WIDTH: 44"

MINIMUM STAIR WIDTH: 44"

CONSTRUCTION

SPRINKLERED OR NON-SPRINKLERED: NON-SPRINKLERED

NUMBER OF STORIES: 1 CONSTRUCTION TYPE: 2-B (300% AREA INCREASE)

IF MULTIPLE OCCUPANCY OCCUPANCY SEPERATION: 1HR TENANT SEPERATION: 1HR

FIRE NOTES

CITY/COUNTY ORDINANCE FOR FIRE PROTECTION AND LIFE SAFETY, THE CURRENT EDITION OF THE NFPA CODES AND STANDARDS AS ADOPTED AND MODIFIED BY THE STATE FIRE MARSHAL, NFPA 101 LIFE SAFETY CODE 2000 EDITION, INTERNATIONAL FIRE CODE 2003 EDITION, OCGA TITLES 25 AND 30 GEORGIA ACCESSIBILITY CODE.

CONTACT THE CITY/COUNTY FIRE MARSHAL'S (INSPECTION REQUEST LINE) FOR INSPECTIONS AT 50%,80% AND 100% COMPLETION. NOTE: (50%) INSPECTION INCLUDES ALL NEW BUILDINGS COMING OUT OF THE GROUND AND INSPECTION OF FLOOR CEILING PENETRATIONS (80%) INSPECTION OF ALL FIRE RATED BARRIERS, FLOOR CEILING. (100%) FINAL INSPECTION: ALL SYSTEMS, EQUIPMENT INSTALLED AND OPERATING, READY FOR OCCUPANCY. THE INSPECTION REQUEST MUST BE PHONED IN BEFORE 2:00PM THE DAY PRIOR TO THE DATE THE INSPECTION IS NEEDED.

(FIRE SUPPRESSION CONTRACTOR) SHALL OBTAIN A FIRE SUPPRESSION SYSTEM PERMIT FROM THE CITY/ COUNTY FIRE MARSHAL'S OFFICE PRIOR TO INSTALLATION. ANY FIRE SUPPRESSION PLAN INCLUDED IN THIS SET OF PLANS ARE FOR REFERENCE ONLY. NOT FOR PERMIT.

(FIRE EXTINGUISHERS) IN ASSEMBLY OCCUPANCIES SHALL BE LOCATED PER THE REQUIREMENTS OF NFPA 10. THE SIZE SHALL BE A MINIMUM OF_2_A_10_BC,_2_ IS/ARE REQUIRED AND SHALL BE INSTALLED AT A MAXIMUM OF 48" ABOVE THE FINISHED FLOOR TO THE TOP OF THE HANDLE.

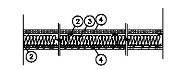
A CLASS K (FIRE EXTINGUISHER) SHALL BE WITHIN A 30 FT. TRAVEL DISTANCE OF ALL COOKING SURFACES PER NFPA 10, SEC. 5.7,2002 EDITION.

SIGNAGE FOR REST ROOMS SHALL BE RAISED AND BRAILLE CHARACTERS AND PICTORIAL SYMBOL SIGNS. SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. WHERE THERE IS NO WALL SPACE TO THE LATCH SIDE OF THE DOOR, INCLUDING AT DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL. MOUNTING HEIGHT SHALL BE 60 INCHES ABOVE THE FINISH FLOOR TO THE CENTERLINE OF THE SIGN. 120-3-20-.41(4),(5),(6) OF THE GEORGIA ACCESSIBILITY CODE.

PROVIDE WHITE DESIGNATION ON ALL EXTERIOR DOORS; MINIMUM SIZE OF 4".

FIRE DETAILS

Design No. U412
Nonbearing Wall Rating - 2HR



1. Floor and Ceiling Runners - (not shown)-25 MSG (min) galv steeln. high, return legs 1-5/8 in. wide (min), attached to floor and ceiling with fasteners 24 in. OC.max.

2. Steel Studs - 1-5/8 in. wide (min), 1-1/4 in. legs, 1/4 in. return, formed of 25 MSG(min) galv steel max stud spacing 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

3. Batts and Blankets - (Optional) - Mineral wool or glass fiber Batts partially or completely filling stud cavity. Fasten each batt to wallboard base layer with a min 9/16 in. long staple. Use five staples for each 4 ft long piece. Drive one staple in the center of each piece and a staple at each corner. approx. 3 in. from edges.
See batts and blankets (BZJZ) category for names of manufactures.

4. Wallboard, Gypsum* - 1/2in. thick, Wallborad applied vertically in two layers. (laminated System) Inner layer attached to studs with 1 in. long Type S steel screws spaced 24 in. OC. along vertical edges and 24 in. O.C. in the field. Outer layer laminated to inner layer with joint compound, applied with a notched spreader producing continuous beads of compound about 3/8 in. diameter, spaced not greater than 2 in. OC. Joints of laminated outer layer offset 12 in. from inner layer joints. Outer layer walllboard attached to inner layer with 1-1/2 in. long type G steel crews spaced 24 in. OC. along edges and center line of each sheet.
Optional, (direct attached System) wallboard applied vertically in two layers. Inner layer attached to studs with 1 in. long Type S steel crews spaced 24 in. O.C. in the field and along the vertical edges. Outer layer attached to the studs over the inner layer with 1-5/8 in. long Type S steel crews spaced 12 in. OC> in the field, along the vertical edges, and to the floor and ceiling runners, Joints of screw-attached outer layer offset from inner layer joints.

Continue Design No. U412

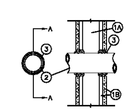
Optional (Direct attached System) Inner layer wallboard applied vetically outer layer wallboard applied horizontally. Inner lay attached to studs with 1 in. Type S steel crews spaced 24 in. OC. along vertical edges and in the fieldOuter layer attached to the studs over the inner layer with 1-5/8 in. long Type S steel crews spaced 12 in. OC. in the field, along the vertical edges, and to the floor and ceiling runners. Outer layer secured to inner layer wallboard with 1-1/2 in. along Type G steel screws located midway between studs and 1 in. from the horizontal joint. Outer layer wallboard joints covered with joint tape and min two coats of joint compound, and screw heads covered with min two coats of joint compound. As an alternate, nom 3/32 in. thick gypsum veneer plaster may applied to the entire surface of classified veneer baseboard joints reinforced.

BPB AMERICA INC.
BPB CELOTEX - Type FRP or J. When type J wallboard is used, both layers of gypsum wallboard must be screw-attached to the studs and floor and ceiling runners with steel screws spaced maximum 8 in. OC at the joint edges and in the field (laminating adhesive optional)
CANADIAN GYPSUM COMPANY - Type C, IP-X2, IPC-AR or WRC.
CONTINETAL GYPSUM COMPANY - Types CG-C, CGS-5, CGTC-C
G-P GYPSUM CORP, SUB OF GEORGIA PACIFIC CORP - Types 5, C.
JAMES HARDIE GYPSUM INC - Type Max "C".
LAFARGE GYPSUM, DIV OF LAFARGE CORP - Types LGFC-C, LGFC-C/A.
NATIONAL GYPSUM CO - Types FSK-C, FSW-C.
PABCO GYPSUM, DIV OF PACIFIC COAST BUILDING PRODUCTS INC-Types PG-C.
REPUBLIC GYPSUM CO - Type RG-C.
STANDARD GYPSUM LLC - Type SG-C.
TEMPLE-INLAND FOREST PRODUCTS CORP - Type TG-C.
UNITED STATES GYPSUM CO - Type C, IP-X2, IPC-AR OR WRC.
YESO PANAMERICANO S A DE C V - Type C, IP-X2, IPC-AR or WRC.
*Bearing the UL Classification Mark.

System No. W-L-1001.

(Formerly system No. 147)

F Ratings - 1,2,3 and 4Hr (see Items 2 and 3)
T Ratings - 0,1,2,3 and 4Hr (see Item 3)
L Ratings At Ambient - less than 1 CFM/sq ft
L Ratings At 400F - less than 1 CFM/sq ft



1. Wall Assembly - The 1,2,3 or 4 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series wall or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

a. Studs - Wall framing may consist of either wood studs (Max 2hr fire rated assemblies) or steel channel studs. Wood studs to consist of nom 2 by 4in. lumber spaced 16 in. OC with nom 2 by 4 in. lumber end plates and cross braces. Steel studs to be min 3-5/8 in. wide by 1-3/8 in. deep channels spaced max24 in. OC

b. Gypsum Board* - Nom ½ or 5/8 in. thick, 4ft. wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 13-1/2in.

2. Pipe or Conduit - Nom 12 in. diam (or smaller) Schedule 10 (or heavier) steel pipe, nom 12in. diam (or smaller) service weight (or heavier) cast iron soil pipe, nom 12 in. diam (or smaller) Class 50 (or heavier) ductile iron pressure pipe, nom 6 in. diam (or smaller) steel conduit, nom 4 in. diam (or smaller) Type L or (or heavier) copper tubing or 1 in. diam (or smaller) flexible steel conduit. When copper pipe is used, max F Rating of fire stop system (Item 3) is 2h. Steel pipes or conduits larger than nom 4in. diam may only be used in walls constructed using steel channel studs. A max of one pipe or conduit is permitted in the fire stop system. Pipe or conduit to be installed near center of stud cavity width and to be rigidly supported on both sides of wall assembly.

3. Fill, Void or Cavity Material* - Caulk - Caulk fill material installed to completely fill annular space between pipe or conduit and gypsum wallboard and with a min 1/4in. diam bead of caulk applied to perimeter of pipe or conduit at its egress from the wall. Caulk installed symmetrically on the both side of wall assembly. The hourly F Rating of the fire stop system is dependent upon the hourly fire rating of the wall assembly in which it is installed, as shown in the following table. The hourly T Rating of the fire stop system is dependent upon the type or size of the pipe or conduit and the hourly fire rating of the wall assembly in which it is installed, as tabulated below:

Continue System No. W-L-101.

Max pipe or Conduit Diam In.	Annular Space In.	F Rating Hr	T Rating Hr
1	0 to 3/16	1 or 2	0 +, 1 or 2
1	¼ to ½	3 or 4	3 or 4
4	0 to 1-1/2	1 or 2	0
6	¼ to ½	3 or 4	0
12	3/16 to 3/8	1 or 2	0

+ when copper pipe is used, T Rating is 0 h.
3M Company - CP 25WB+.
* Bearing the UL Classification Mark.

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SCOPE OF WORK

BUILDING CONVERSION TO A DAYCARE CENTER. INTERIOR DEMOLITION AND INTERIOR CONSTRUCTION, WITH SOME EXTERIOR CONSTRUCTION AND DEMOLITION. REPLACE EXISTING EXTERIOR WINDOWS WITH NEW EXTERIOR WINDOWS AND NEW EXTERIOR DOORS, PAINT AND ADD NEW EXTERIOR STAIRS AND RAMP. ADD NEW WATER HEATER AND AND NEW ELECTRICAL THROUGHOUT.

PROJECT TEAM

PROJECT COORDINATION / DESIGNER

CONTRACT DESIGN CONCEPTS, INC.
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SUWANEE, GEORGIA 30024

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TEL. 678.936.7005

ENGINEERING

MECHANICAL, ELECTRICAL, & PLUMBING

FYNN ENGINEERING, LLC
P.O. BOX1690
SNELLVILLE, GEORGIA 30078

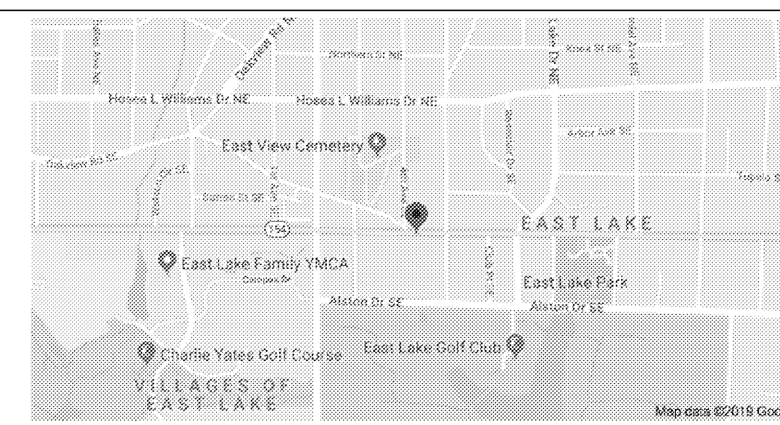
MICHAEL K. FYNN, PE

OWNER

Owner: Successful Images, Inc.
473 South Deshon Road
Lithonia, Ga. 30058

Contact: Eddie Drake
404-805-6773

VICINITY MAP



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SCOPE OF DOCUMENT:

THESE DOCUMENTS INIDICATE THE GENERAL SCOPE OF THE PROJECT IN TERMS OF ARCHITECTURAL DESIGN CONCEPTS, THE DIMENSIONS OF THE BUILDING, THE MAJOR ARCHITECTURAL ELEMENTS AND THE TYPE OF STRUCTURAL, MECHANICAL, ELECTRICAL SYSTEMS. THE DRAWINGS DO NOT NECCESSARILY INDICATE OR DESCRIBE ALL WORK DESCRIBE ALL WORK FOR THE FULL PERFORMANCE AND COMPLETION OF THE REQUIREMENTS OF THE CONTRACT ON THE BASIS OF THE GENERAL SCOPE INDICATED OR DESCRIBED. THE TRADE CONTRACTOR SHALL FURNISH ALL ITEMS REQUIRED FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK.

No.	Date	Revisions / Submissions
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SHEET TITLE

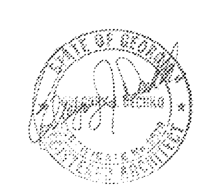
PROJECT REQUIREMENTS

PROJECT NAME

CREEK STONE ACADEMY CHILDCARE CENTER

2465 MEMORIAL DRIVE
ATLANTA, GA 30317
(DEKALB COUNTY)

STAMP



ISSUED FOR CONSTRUCTION

CONTRACT DESIGN CONCEPTS INCORPORATED
COMMERCIAL DESIGN AND PLANNING SERVICES
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PHONE: 404.307.5933

ISSUE DATE: FEB 2019
PROJECT: CREEK STONE
DRAWN: TEAM

SHEET No.:

A001

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