

GENERAL

- A. THE FOLLOWING NOTES APPLY TO ALL STRUCTURAL DRAWINGS... B. WHERE A DETAIL, TYPICAL DETAIL, SECTION, TYPICAL SECTION OR PLAN NOTE IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL SIMILAR OR LIKE CONDITIONS UNLESS NOTED OTHERWISE...

SUSPENDED LOADS AT STRUCTURE

- A. ATTACHMENT TO ROOF DECK FOR ANY SUSPENDED LOADS IS PROHIBITED WITHOUT WRITTEN APPROVAL FROM ARCHITECTS/STRUCTURAL ENGINEER OF RECORD... B. PIPE HANGERS SHALL BE ATTACHED TO BOTTOM FLANGES OF JOISTS OR BEAMS WITH APPROVED CLAMPS/CONNECTIONS...

SPECIAL INSPECTIONS

- A. SPECIAL INSPECTIONS ARE REQUIRED IN ADDITION TO THE INSPECTIONS SPECIFIED IN SECTION 110 OF THE BUILDING CODE... B. ALL SPECIAL INSPECTIONS SHALL BE IN ACCORDANCE WITH DIVISION 01 SPECIFICATIONS.

SOILS, SHALLOW FOUNDATIONS, & RETAINING WALLS

- A. THE SITE SHALL BE PREPARED IN ACCORDANCE WITH SPECIFICATIONS AND THE CIVIL DRAWINGS... B. DESIGN SOIL BEARING PRESSURE IS 2500 PSF... C. DESIGN SOIL LATERAL PRESSURES ON STRUCTURE ARE DUE TO THE FOLLOWING EQUIVALENT FLUID DENSITIES...

SHOP DRAWINGS

- A. STRUCTURAL DRAWINGS INDICATE TYPICAL AND CERTAIN SPECIFIC CONDITIONS ONLY... B. THE GENERAL CONTRACTOR SHALL SUBMIT, AS REQUIRED, PRINTS OR ELECTRONIC COPIES, AS DIRECTED, OF SHOP DRAWINGS FOR ALL FABRICATED MATERIALS TO ARCHITECT FOR REVIEW...

EXISTING CONDITIONS

- A. THE GENERAL CONTRACTOR SHALL SURVEY THE EXISTING STRUCTURE TO DETERMINE THAT ALL MODIFICATIONS ARE MADE IN THE CONSTRUCTION DOCUMENTS ARE FEASIBLE AND PRACTICAL... B. WHEN EXISTING FRAMING IS SHOWN ON THE STRUCTURAL DRAWINGS IT IS FOR REFERENCE ONLY...

DESIGN LOADS

- A. DESIGN ROOF DEAD LOAD: 1. 20 PSF... B. DESIGN ROOF LIVE LOAD: 1. 20 PSF... C. DESIGN ROOF RAIN LOAD... D. DESIGN FLOOR LIVE LOAD... E. DESIGN SNOW LOAD... F. DESIGN WIND LOAD... G. DESIGN SEISMIC INFORMATION...

SLAB-ON-GRADE

- A. CONCRETE SLAB CONTROL JOINTS SHALL BE CUT INTO THE SLABS AT A DEPTH OF 1/3 TIMES THE THICKNESS OF THE SLAB FOR REINFORCED SLABS... B. SLAB CONTROL JOINTS SHALL BE USED IN PLACE OF CONTROL JOINTS WHERE NEEDED TO INTERRUPT A CONTINUOUS POUR...

CONCRETE MASONRY

- A. ALL MASONRY WORK SHALL BE IN ACCORDANCE WITH DIVISION 04 SPECIFICATIONS... B. MASONRY GROUT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI AT 28-DAYS... C. CM SHALL BE 2000 PSI (MIN. NET AREA CMU COMPRESSIVE STRENGTH = 2800 PSI)...

REINFORCING STEEL

- A. REINFORCING STEEL AND ACCESSORIES WORK SHALL BE IN ACCORDANCE WITH DIVISION 03 SPECIFICATIONS... B. REINFORCEMENT SHALL BE SPLICED ONLY AT LOCATIONS SHOWN OR NOTED IN THE STRUCTURAL DOCUMENTS... C. FIELD WELDING SHALL BE SHOWN ON ARCHITECTURAL DRAWINGS...

WELDING

- A. MINIMUM WELD SIZE SHALL BE 3/16" FILLET WELD UNLESS NOTED OTHERWISE... B. WELD FILLER METALS SHALL CONFORM WITH AWS REQUIREMENTS... C. USE 70 KS (E70XX) MINIMUM WELDING UNLESS NOTED OTHERWISE... D. REFER TO ARCHITECTURAL DOCUMENTS FOR ALL JOINT LOCATIONS AND REQUIREMENTS...

METAL FABRICATION

- A. ALL METAL FABRICATION WORK SHALL BE IN ACCORDANCE WITH DIVISION 05 SPECIFICATIONS.

STEEL ROOF DECK

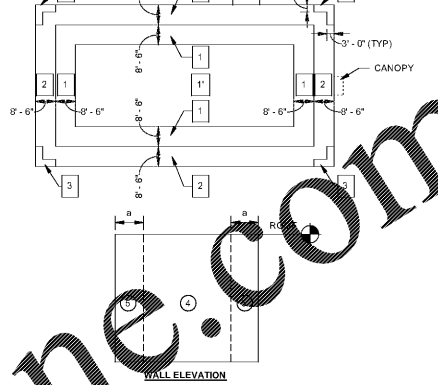
- A. ALL STEEL ROOF DECK WORK SHALL BE IN ACCORDANCE WITH DIVISION 05 SPECIFICATIONS... B. ROOF DECK FINISHES SHALL BE AS FOLLOWS: 1. INTERIOR, NOT EXPOSED TO VIEW: ASTM A1008 FACTORY PRIME PAINTED... 2. EXTERIOR EXPOSURE (TOP OR BOTTOM OF DECK EXPOSED TO ELEMENTS): ASTM A653 GALVANIZED 600...

COMPONENTS & CLADDING EXTERNAL PRESSURE LOADS (PSF)

Table with columns: EFFECTIVE WIND AREA (FT2), ALL ROOF ZONES, ROOF, ROOF WALLS, WALLS. Rows include wind speed ranges like <10, 10-19, 20-29, 30-39, 40-49, 50-59, 60-69, 70-79, 80-89, 90-99, 100-109, 110-119, 120-129, 130-139, 140-149, 150-159.

NOTES: 1. a = 7'-0". SEE ASSOCIATED ROOF PLAN MAP FOR LOCATION OF a-ZONES. WALL a-ZONE LOCATIONS... 2. POSITIVE PRESSURE VALUES REFER TO FORCES ACTING TOWARDS BUILDING OR COMPONENT FACE...

ROOF PLAN



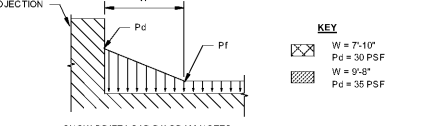
STRUCTURAL STEEL

- A. ALL STRUCTURAL STEEL WORK SHALL BE IN ACCORDANCE WITH DIVISION 05 SPECIFICATIONS... B. SLOTTED HOLES FOR BEAM END CONNECTIONS ARE NOT ALLOWED... C. GUSSET PLATES AND STIFFENER PLATES SHALL BE MINIMUM WELDED TO SIDES CONTINUOUSLY UNLESS NOTED OTHERWISE... D. MEMBERS SUPPORTING DECK AT THE PERIMETER OF THE BUILDING SHALL BE CONTINUOUS EXCEPT AT EXPANSION JOINTS...

ROOF PLAN



VERTICAL PROJECTION



- 1. FOR DESIGN CRITERIA SEE DESIGN SNOW LOAD NOTES ON THIS SHEET. 2. ALL LOADS ARE SERVICE LEVEL (ALLOWABLE STRESS DESIGN).

SNOW DRIFT DIAGRAM

SCALE: 1" = 30'-0"

STRUCTURAL SHEET LIST

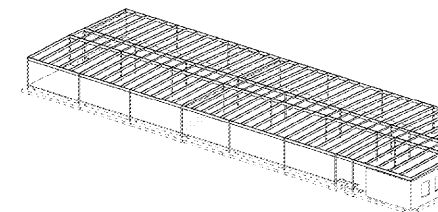
Table with columns: No., GENERAL NOTES & SCHEDULES, GENERAL NOTES & SCHEDULES, FOUNDATION PLAN, ROOF FRAMING PLAN, FOUNDATION SECTIONS & DETAILS, FOUNDATION SECTIONS & DETAILS, CMU WALL SECTIONS & DETAILS, SECTIONS & DETAILS, SECTIONS & DETAILS.

HOT-DIP GALVANIZED STRUCTURAL STEEL

- A. ALL HOT-DIP GALVANIZATION WORK SHALL BE IN ACCORDANCE WITH DIVISION 05 SPECIFICATIONS... B. ALL BOLTS USED FOR CONNECTIONS AT GALVANIZED STEEL MEMBERS SHALL BE GALVANIZED PER STANDARDS NOTED... C. REFER TO ASTM A-143, A-334 AND A-538 FOR ADDITIONAL STANDARD PRACTICES RELATED TO SPECIAL CONDITIONS FOR HOT-DIP GALVANIZING...

COLD-FORMED STEEL FRAMING (STUDS AND JOISTS)

- A. ALL COLD-FORMED STEEL FRAMING WORK SHALL BE IN ACCORDANCE WITH DIVISION 05 SPECIFICATIONS... B. ISOLATION OF NON-LOAD BEARING FRAMING FROM BUILDING STRUCTURE TO PREVENT TRANSFER OF VERTICAL LOADS SHALL ALLOW FOR A MINIMUM OF 3/4" MOVEMENT FROM LIVE LOAD... C. SEE ARCHITECTURAL DRAWINGS FOR NON-LOAD BEARING WALLS AND TO VERIFY ALL DIMENSIONS SHOWN FOR LOAD BEARING WALLS...



STRUCTURAL ISOMETRIC

FOR REFERENCE ONLY

- 1. EXTERIOR WALL FRAMING: HORIZONTAL DEFLECTION OF L/600 FOR BRICK/STONE VENEER, L/360 FOR SIMULATED STONE WALLS OR STUCCO FINISH AND L/240 FOR EIFS OR OTHER FLEXIBLE FINISHES... 2. FLOOR JOIST FRAMING: VERTICAL DEFLECTION OF 1/480 FOR LIVE LOADS AND L/360 FOR TOTAL LOADS OF THE SPAN... 3. ROOF RAFTER FRAMING: HORIZONTAL DEFLECTION OF 1/240 OF THE HORIZONTALLY PLACED JOIST FRAMING... 4. CEILING JOIST FRAMING: VERTICAL DEFLECTION OF 1/240 OF THE SPAN...

PES STRUCTURAL ENGINEERS

ADDRESS: 1852 Century Place NE, Suite 201, Atlanta, Georgia 30345 PHONE: 770.249.7499 FAX: 770.249.8999 DESIGN: pes@pesengineers.com PES PROJECT NUMBER: 0221066 PES GEORGIA COA NUMBER: PE000799 EXPIRATION DATE: 08/30/2022



S1.1

ADDITION TO COLHAM FERRY ELEMENTARY SCHOOL 191 COLHAM FERRY ROAD, WATKINSVILLE, GA 30677 OCOEE COUNTY BOARD OF EDUCATION OCOEE COUNTY, GEORGIA DOE FACILITY CODE 3050

cunningham, forehead, matthews & moore, architects, inc. - 2011 manchester street, n.e. - atlanta, georgia 30324 - phone (404) 873-2152