



OVERALL FIRST FLOOR PLAN

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

FLOOR CONSTRUCTION LEGEND

F1 - Existing Wood Floor: 1 1/8" T&G Plywood on 14" pre-fab joists @ 16" o.c.  
 F2 - Existing Concrete Slab: 4" conc. slab with 6x6xW1.4xW1.4 WWF on gravel base 36" minimum structural fill.  
 F3 - Replace or New Concrete Slab: 4" conc. slab on grade reinforce w/ 6x6xW1.4xW1.4 WWF.

WALL CONSTRUCTION LEGEND

W1 - Existing Exterior Wall: Modular face brick on 1/2" Exterior prepping applied to 2x4 Wood Studs @ 16" O.C. with R-11 Blanket insulation.  
 W1A - NEW 1 HR Exterior Wall: One layer 1/8" Type X gypsum sheathing applied parallel to 2x4 wood studs @ 24" o.c. with 1 1/2" galvanized roofing nails @ 4" o.c. & vertical joints and 7" o.c. @ intermediate studs and top and bottom plates. No. 20ga galvanized wire ties attached to each stud with 8d coated nails, 1 1/2" long, 0.015" shank, 1/4" heads @ 7" o.c. (GA WP8105)  
 W1.1 - Existing Exterior Wall: same as W1 above except w/ Wood Studs are @ 12" O.C.  
 W1.2 - Existing Exterior Wall: Same as W1 except with 2x6 wood studs.  
 W1.3 - Existing Interior Wall: 2x4 Wood Stud with 1/2" Gyp. on each side.  
 W1.4 - Existing 1 Hr Interior Wall: same as W1.3 except w/ 5/8" type X GPDW.  
 W1.5 - Existing Interior Shear Wall: One layer 1/2" O.S.B. on side of 2x4 wood studs @ 16" o.c. & 3" min. @ 16" o.c. on each side of shear wall w/ 3" sound batts to ceiling. See Structural.  
 W2 - New Interior Sound Wall: One layer 5/8" GPDW on each side of 3 1/2" 25ga. Steel studs @ 16" o.c. with 3" sound batts to ceiling. Set floor plate in sealant, and offset any wall outlets 16" min. Provide M.R. GPDW where required.  
 W2.1 - Interior Wall: Same W2 except deleted sound batts.  
 W2.2 - Existing 1 Hour As Area Separation Wall: One Layer 5/8" Type X gypsum Veneer base applied parallel or at right angles to 2x4 wood studs @ 16" o.c. with 8d cooler or 10d hot coated head nails @ 7" o.c.  
 W2.3 - New 2 Hour Fire Wall (Load Bearing): One Layer 5/8" Type X gypsum wall board or gypsum Veneer base applied parallel or at right angles to each side of 2x4" Wood Studs 16" O.C. with 1 1/2" Type W drywall screws 12" O.C. Face Layer 1/8" Type X gypsum wall or veneer base applied parallel or at right angles to each side with 1 1/2" Type W drywall screws 12" O.C. and offset 6" from screws in base layer. Joints staggered 16" each layer. See Structural.  
 W2.3 A - New 2 Hour Fire Wall (Non-load bearing): Two Layers Type X gypsum wall board each side of 2x4" wood studs. Base layers applied vertically and nailed with 6d cooler or 8d hot coated head nails @ 7" o.c. Face Layer applied vertically or horizontally with 8d cooler or 10d hot coated head nails @ 7" o.c. perp. 2003 IBC-720.14-1.5.  
 W2.3 B - New Exterior Wall @ Removal of 9 Windows: Install additional 2 layers 5/8" Type X sheathing each side of 2x4 frame with 1 1/2" Type W drywall screws 12" O.C. & 3" sound batts to bottom roof structure. Install 1/2" O.D. Plywood Sheathing. See External Weather Barrier Matching S.S. M.R. roof & wall panels.  
 W2.4 - New 1 Hour Interior Wall: One layer 5/8" Type X gypsum wall board or gypsum Veneer base applied to each side of 3 1/2" 25ga. Steel studs @ 16" O.C.  
 W2.5 - New Furred Wall: One layer 5/8" Gyp. board or 1 1/2" Steel Studs @ 16" o.c. over pair of 3" Steel Columns.  
 W2.6 - New Interior Sound Wall (HHR): One layer 5/8" Type X gypsum wall board or gypsum Veneer base applied to each side of 3 1/2" 25ga. Steel studs @ 16" o.c. with 1 1/2" Type S drywall screws 12" o.c. & 3" vertical joints @ 16" o.c. and ceiling runners and intermediate studs. 3" sound batts to ceiling. Joints stagger 24" on opposite sides per GA WP 1350. Set floor plate in sealant, and offset any wall outlets 16" min.  
 W3 - New Plumbing Wall: One layer moisture resistive 5/8" GPDW each side of 6" 25ga. Steel Studs @ 24" o.c. - Provide 3" sound batts & cross-ventilation as required in attic space.  
 W4 - Existing Interior Shear Wall: One layer 1/2" O.S.B. on side of 2x4 wood studs @ 16" o.c. & one layer 5/8" GPDW each side of shear wall w/ 3" sound batts to ceiling. See Structural.  
 W5 - New Furring Wall: 1 1/2" x 22ga. Steel studs @ 16" o.c. with 1 1/2" GPDW each side.  
 W6 - New 2 hour Shaft Wall: 1 layers of 1 1/2" proprietary Type X gypsum Panels inserted between 2 1/2" floor and ceiling J runners with T section of 1/2" Steel C-4 or C-5 between panels. Openings: Standard 2 1/2" x 12" panels of Type X gypsum Panelboard applied at right angles to studs with 1 1/2" Type S drywall screws 12" o.c. @ Face layer (Per GA WP 7051) - New Stucco Finish on Exterior/ Parapet walls.  
 General Wall Notes:  
 1. Provide 1/2" x 1/2" x 48" G.S. corner guards at all outside corners per Note 23.  
 2. Finish to be a medium to light stipple.  
 3. All walls floating type suspended from ceiling or floor. Provide 1/2" void between plat to slab at bottom plates - See RCP.  
 4. Where infill or alignment of existing walls is required the substitution to 2X dimensional wood studs shall be accepted.

KEY NOTES

- 1 NEW FREESTANDING STAIRCASE SEE STRUCTURAL
- 2 STUDENT LOCKERS, BY OWNER
- 3 NEW 4" CONCRETE SLAB WALK
- 4 NEW MECHANICAL CHASE
- 5 REPLACE (E) GLASS WITH NEW 1" TEMPERED INSULATED GLASS AT STAIRCASE (LEAVE EXISTING, REMOVED WITH OWNER)
- 6 NEW EXTERIOR DOOR - CUT EXISTING BRICK AS NEEDED FOR DOOR PLACEMENT, SEE DEMO PLAN FOR SIZE SEE STRUCTURAL FOR DETAILS
- 7 NEW 2 HOUR WALL AND DOOR ASSEMBLY, SEE W2.3
- 8 NEW WALL CONSTRUCTION TO MATCH EXISTING
- 9 NEW STORE FRONT FRAME AND GLASS - STOREFRONT WALLS TO GO UP 9'-0", W2 WALLS FROM CEILING DOWN TO SLIP JOINT, MATE LINE - AT 45" ANGLE PROVIDE BREAK METAL CLOSER
- 10 PATCH AND REPAIR WALL FROM DEMO
- 11 FRP BOARD UP TO 48" PROVIDE TERMINATION CAP AND PAINT ABOVE WALLS-SEE PLAN.
- 12 NEW 2 1/2" FIRE WALL HYDRANT IN CSFD APPROVED EXTERIOR FIRE HOSE CABINET
- 13 (E) TOP OF FOUNDATION: GRIND OR FILL TO FLUSH CONDITION
- 14 WALK OFF CARPET-SEE PLAN FOR SIZE- (DELETED 5-5-10)
- 15 3/4" M.D.F. SHELF (ADJUSTABLE) WITH 1x2 BULL NOSE @ 16" O.C.
- 16 REMOVE 9 WINDOWS AND LIGHT WELLS FROM ABOVE - INFILL TO MATCH B1/T1/AS-1
- 17 SETTLED FLOOR SLAB - REMOVE AND REPLACE IN THIS AREA
- 18 SMART BOARD BY OWNER, PROVIDE BLOCKING AND POWER AS REQUIRED
- 19 STEEL COLUMNS: PAINT ONLY
- 20 MARKER BOARD BY OWNER, PROVIDE BLOCKING AS NEEDED
- 21 EXISTING 36" HIGH GUARD RAIL, EXTEND WALL TO 42" SEE DETAIL E/A4.1
- 22 C.T. WAINSCOTE TO 48" ABOVE FINISH FLOOR
- 23 CORNERS TO FULL HEIGHT - 1 1/2" x 1 1/2" x 48" S.S. CORNER GUARDS
- 24 FIRE EXTINGUISHER CABINET WITH #10 ABC BY OWNER
- 25 WALL REPAIR AT DEMO OF DRYER VENT, WASHER BOX OR MILLWORK DEMO
- 26 ADD 2 1/2" STYL CHASE AS REQUIRED TO COVER PLUMBING FOR HEATING SYSTEM, PATCH AND REPAIR SLAB AS NEEDED
- 27 PATCH AND REPAIR CONCRETE
- 28 WATER LINE IN WALL AND UNDER SLAB - REMOVE LINE TO CLOSEST NEW WALL CORNER OR BACK TO EXISTING WALL TO REMAIN AND CAP (FIELD VERIFY), EE PLUMBING.
- 29 48" H. WALL WOOD CAP STAIN AND VARNISH TO MATCH

SCALE:  
AS NOTED

DRAWN BY:  
RO/RWB

DATE:  
4-20-10

REVISED:  
5-5-10  
6-10-10



DWG #:  
A1.1

OF

ART C. KLEIN CONSTRUCTION  
INC.  
3370 CHELTON LOOP SO.  
COLORADO SPRINGS, COLORADO 80909  
(Office) 719-570-0560 (Fax) 719-570-9671  
website: ackconstruction.com

