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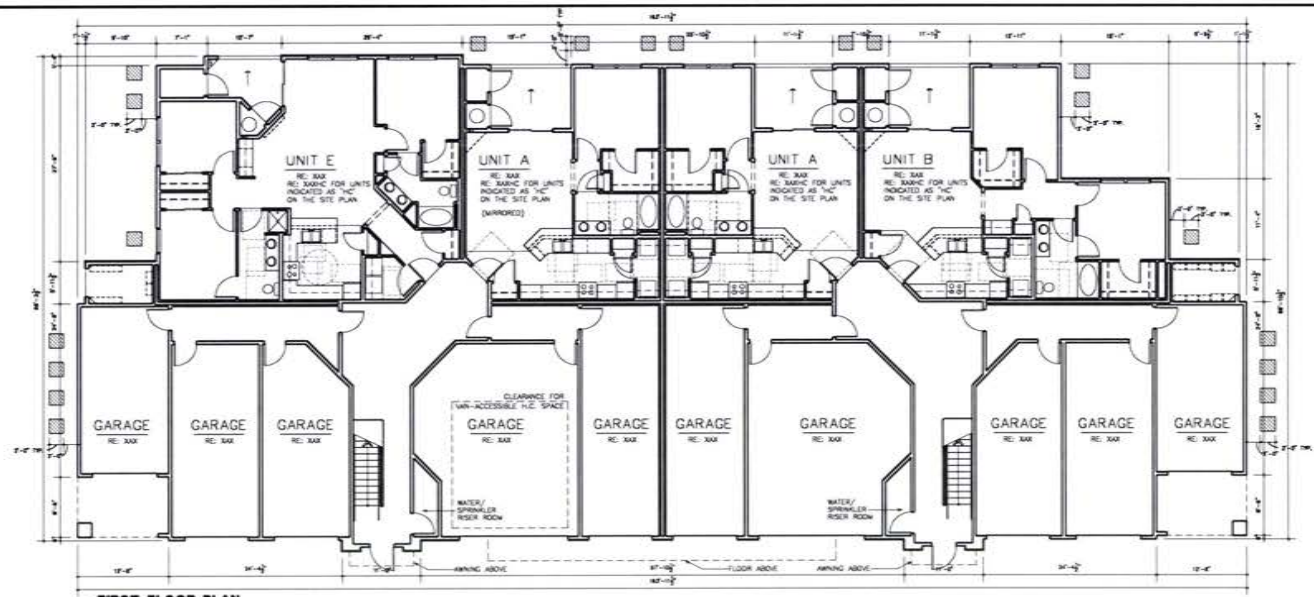
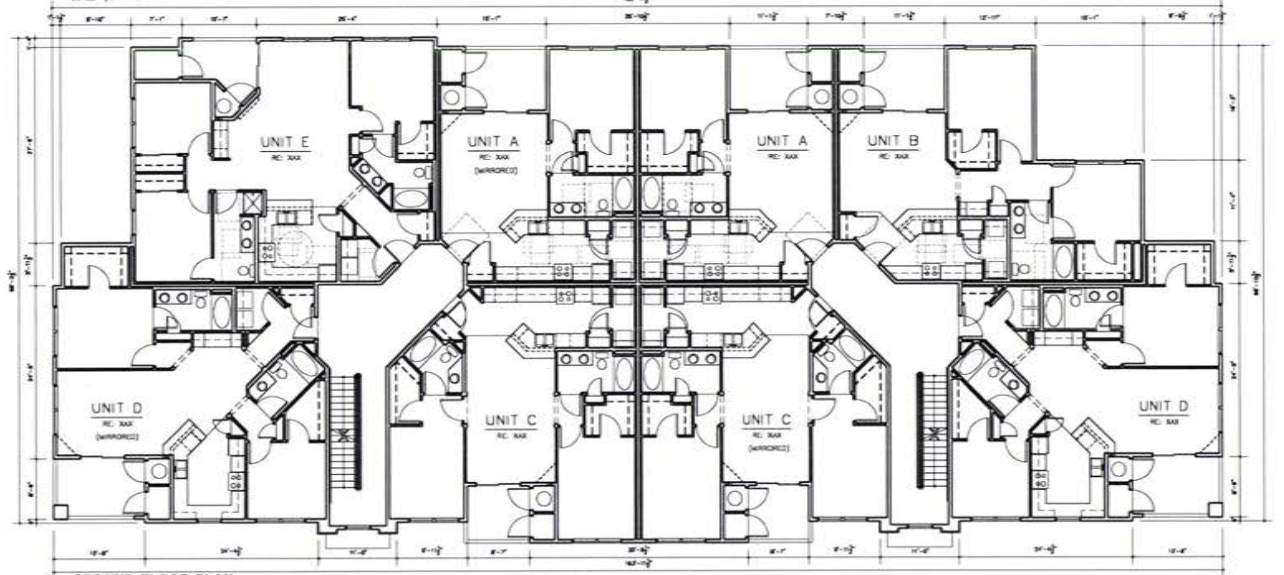


1 FIRST FLOOR PLAN
SCALE: 1/8"=1'-0"



1 SECOND FLOOR PLAN
SCALE: 1/8"=1'-0"

CONSTRUCTION ASSEMBLIES

EXTERIOR WALLS:
FIBER-CEMENT SIDING, STUCCO OR MANUFACTURED STONE VENEER OVER 1 LAYER TYVEK RESIDENTIAL WRAP W/ 1 LAYER GRADE D PAPER ON ONE LAYER MIN. 7/16", 4' WIDE WOOD STRUCTURAL PANELS, MIN. GRADE "SHEATHING" (STALL OF STRENGTH AXIS WITHER PARALLEL OR PERPENDICULAR TO STUDS) W/ 8D CEMENT COATED BOX NAILS @ 6" O.C. WOOD STUDS W/ R-21 INSULATION @ 6 MIL. POLYETHYLENE VAPOR BARRIER & 5/8" TYPE 'X' GWB APPLIED PARALLEL TO STUDS @ INTERIOR W/ 6D COATED NAILS, 1-7/8" LONG, 0.0915"SHANK, 1/4" HEAD (T' PAINT TRIM PER BUILDING ELEVATIONS.
ASSEMBLY: UL-U356, 1 HR

PARTY WALL:
TWO PARALLEL 2X4 STUD WALLS (STUDS @ 16" O.C.) ON A COMMON 2X12 BEARING PLATE, CROSS-BRACE AT MID-HEIGHT W/ FIRESTOPS @ TOP AND BOTTOM OF WALL. R-11 INSULATION IN BOTH WALLS. 5/8" TYPE 'X' GWB, 48" WIDE SHEETS, ATTACHED TO STUDS & BEARING PLATES W/ 6D CEMENT COATED NAILS SPACED 7" O.C. (NO. 6 BUGLE HEAD DRYWALL SCREWS MAY BE SUBSTITUTED FOR THE 6D NAILS). RE: TO STRUCTURAL FOR SHEAR WALL LOCATIONS. PROVIDE CEMENT BD. (IN ADDITION TO TYPE 'X') AT INTERIOR TUB/SHOWER SURROUND WALLS.
ASSEMBLY: UL-U341, 1 HR

STAIRS:
CONCRETE TREADS W/ 12" STEEL STRINGER EACH SIDE
RE: STRUCTURAL
ASSEMBLY: NO RATING (NON COMBUSTIBLE)

INTERIOR WALLS:
5/8" TYPE 'X' GWB EACH SIDE OF WOOD STUDS. PROVIDE CEMENT BACKER BOARD AT TUB SURROUND WALLS (IN ADDITION TO TYPE 'X'). INTERIOR FINISH PER OWNER. RE: TO STRUCTURAL FOR LOAD BEARING CONDITIONS. STUDS @ NON-LOAD BEARING CONDITIONS ARE SPACED 24" O.C. RE: STRUCTURAL.
TYPICAL ASSEMBLY: UL-U305, 1 HR
ASSEMBLY AT SHEAR WALLS: UL-U344, 1HR

WALLS AT STAIRS:
5/8" TYPE 'X' GYPSUM SHEATHING, 48" WIDE, ATTACHED TO 2-3/8" WIDE BY 7/8" DEEP FURRING CHANNELS WITH 1" LONG TYPE S BUGLE HEAD STEEL SCREWS SPACED 12" O.C. (WHEN BETWEEN DWELLING UNITS AND BREEZEWAYS), OR PARALLEL TO STUD AND NAILED W/ 6D COATED NAILS, 1-7/8" LONG, 0.0915" SHANK, 1/4" HEADS 7" O.C. WOOD STUDS W/ R-21 INSULATION & 6 MIL. POLYETHYLENE VAPOR BARRIER & 5/8" TYPE 'X' GWB APPLIED PARALLEL TO STUDS @ INTERIOR W/ 6D COATED NAILS, 1-7/8" LONG, 0.0915" SHANK, 1/4" HEADS 7" O.C.
ASSEMBLY: UL-305, 1 HR

FLOOR AT GRADE:
POST TENSION CONCRETE SLAB ON GRADE. SLOPE 1/8" PER 12" AT GARAGES AND BREEZEWAYS AND SLOPE 1/4" PER 12" AT PATIOS. RE: STRUCTURAL FOR SLAB AND FOUNDATION NOTES.
ASSEMBLY: NO RATING (NO COMBUSTIBLE)

FLOOR / CEILING SYSTEM:
ONE LAYER 5/8" TYPE 'X' GYPSUM WALLBOARD OR GYPSUM VENEER BASE APPLIED AT RIGHT ANGLES TO RESILIENT CHANNELS 16" O.C. WITH 1-1/4" TYPE S DRYWALL SCREWS 12" O.C. AND LOCATED A MINIMUM OF 1 1/2" FROM JOINTS. GYPSUM BOARD END JOINTS LOCATED MIDWAY BETWEEN CONTINUOUS CHANNELS AND ATTACHED TO ADDITIONAL PIECES OF CHANNEL 60" LONG WITH SCREWS 12" O.C. RIGID FURRING CHANNELS APPLIED AT RIGHT ANGLES TO 1.8" DEEP PARALLEL CHORD WOOD TRUSSES 24" O.C. WITH DOUBLE STRAND, 18 GAGE GALVANIZED STEEL WIRE TIES 48" O.C. WOOD TRUSSES, W/ MINIMUM R-19 INSULATION, SUPPORTING 3/4" NOMINAL INTERIOR PLYWOOD WITH EXTERIOR GLUE, T & G EDGES, APPLIED AT RIGHT ANGLES TO TRUSSES WITH CONSTRUCTION ADHESIVE AND 8D RING SHANK NAILS 12" O.C. ADHESIVE APPLIED TO EACH TOP CHORD AND GROOVED EDGES OF PLYWOOD. END JOINTS STAGGERED 48" VAPOR BARRIER, SPM-25 SOUND MAT & 1", 1500 PSI LOW LEVELROCK 2500 FLOOR TOPPING MIXTURE INSTALLED OVER SUBFLOOR.
ASSEMBLY: GA file No. FC 5813 (UL-L528), 1HR.

ROOF / CEILING SYSTEM:
5/8" TYPE 'C' GWB (W/ VAPOR BARRIER, R-49 INSULATION & LONG DIMENSION PARALLEL TO PRE-ENGINEERED TRUSSES) SECURED W/ 1-1/4" TYPE 'S' BUGLE HEAD SCREWS TO RESILIENT CHANNELS RUNNING PERPENDICULAR TO TRUSSES AT 12" O.C. (8" O.C. AT WALLBOARD BUTT JOINTS). CHANNELS SECURED TO TRUSSES WITH 1-1/4" TYPE 'S' SCREWS (CHANNELS SPLICED OVERLAPPED 4" BEHIND TRUSSES). STRUCTURAL PANELS (RE: STRUCTURAL) SECURED TO PRE-ENGINEERED 24" O.C. (MAX.) TRUSSES W/ CONSTRUCTION ADHESIVE & NO. 8D RINGED NAILS SPACED 12 O.C. ALONG EACH TRUSS AS REQUIRED BY STRUCTURAL. ASPHALT SHINGLES ON (2) LAYERS 15# FELT (MIN.) UNDERL. PROVIDE 5/8" TYPE 'X' GWB ON ONE SIDE OF ATTIC DRAFT STOPS AS INDICATED ON ROOF PLANS/ PROVIDE (1) LAYER PAINTED FIBER CEMENT PANEL (STUCCO TEXTURE FINISH) SHEATHING OVER 5/8" TYPE 'C' WR GWB AT EXTERIOR CEILING @ DECK CEILINGS.
ASSEMBLY: UL P522, 1 HR

DECKS FLOOR / CEILING SYSTEM:
PAINTED FIBER CEMENT PANEL SHEATHING (STUCCO TEXTURE FINISH) OVER 1 LAYER 5/8" TYPE 'C' WR GWB APPLIED @ RIGHT ANGLES TO 1/2" RESILIENT FURRING CHANNELS W/ 1" LONG DRYWALL SCREWS 12" O.C. WALLBOARD END JOINTS LOCATED MIDWAY BETWEEN CONT. CHANNELS & ATTACHED TO ADDITIONAL PIECES OF CHANNEL TO EXTEND 1" MIN. BEYOND ENDS OF JOINT. 1/2" RESILIENT FURRING CHANNELS @ 24" O.C. AT RIGHT ANGLES TO 2X WOOD TRUSSES ATTACHED W/ 1-1/4" R.C. SCREWS. WOOD TRUSSES SUPPORTING 15/32" OSWB, MIN. GRADE C-D) W/ 60 MIL. SELF-ADHERED WATERPROOF DECK MEMBRANE & 2" MIN. 3000 PSI PEDESTRIAN SAND CONCRETE REINFORCED W/ NO. 19 SWG GALVANIZED HEXAGONAL WIRE MESH, SLOPE 1/4" PER 12" AS PER BUILDING PLANS.
ASSEMBLY: UL-L516, 1 HR

RAILINGS:
1.315 O.D. STEEL TUBE RAIL @ 4" SPACING W/ 1.315" O.D. TUBE POST SUPPORTS AS INDICATED ON STAIR DETAILS- PAINT RAILINGS. RAILS MUST MEET MINIM LATERAL LOADING REQUIREMENTS PER IBC.
ASSEMBLY: NO RATING (NON COMBUSTIBLE)

GENERAL NOTES:

1. REFER TO STRUCTURAL FLOOR FRAMING PLANS FOR ALL SHEAR WALL LOCATIONS AND ASSEMBLIES. RE: ??? ON 'UL-LISTED WALL & ROOF DETAILS SHEET.
2. REFER TO STRUCTURAL FLOOR FRAMING PLANS FOR ALL BEARING WALL LOCATIONS.
3. REFER TO STRUCTURAL DRAWINGS FOR STUD AND JOIST SIZE AND SPACING, SHEATHING SIZE AND THICKNESS, POST SIZES, AND CONCRETE THICKNESS.
4. ENSURE DRAINAGE IS AWAY FROM BUILDING AT A SLOPE OF 1/4" PER FOOT MINIMUM TO ALLEVIATE ANY TRAPPED WATER BETWEEN SIDEWALKS AND / OR BUILDINGS AND SIDEWALKS. PROVIDE SIDEWALK DUTS WITH GRATED METAL COVERS AND / OR AREA DRAINS WITH 4" DIA. CORRUGATED PLASTIC PIPING ROUTED TO AN OPEN DRAINABLE AREA.
5. ENSURE ATTIC VENTING THRU ROOF, WALL AND SOFFIT IS PER CODE. PROVIDE A MINIMUM OF 1 SQ. FT. PER 300 SQ. FT. OF ATTIC SPACE. REFER TO ROOF PLAN FOR CALCS.
6. REFER TO SITE PLAN FOR EXACT LOCATIONS HVAC C.U. PADS.
7. REFER TO SHEETS ??? & ??? FOR ALL APPROVED FIRE RATED ASSEMBLIES.

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(719) 473-8400

REVISION/DATE

DATE: 01-28-16
JOB NO. 1349
DRAWN BY: DY/JS
CHECKED BY: CW

MOON MEADOWS APARTMENTS

SE CORNER OF HIGHWAY 16 & MOON MEADOWS DRIVE
RAPID CITY, SOUTH DAKOTA

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BUILDING FLOOR PLANS

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