

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

WALL LEGEND

- EXTERIOR WALL BRICK VENEER, WOOD STUDS, ETC. SEE 6/A-4 FOR CONSTRUCTION DETAILS
- INTERIOR WALL (1HR FIRE RATED) WOOD STUDS, GYP. BD. ETC. SEE 6/A-4 FOR CONSTRUCTION DETAILS

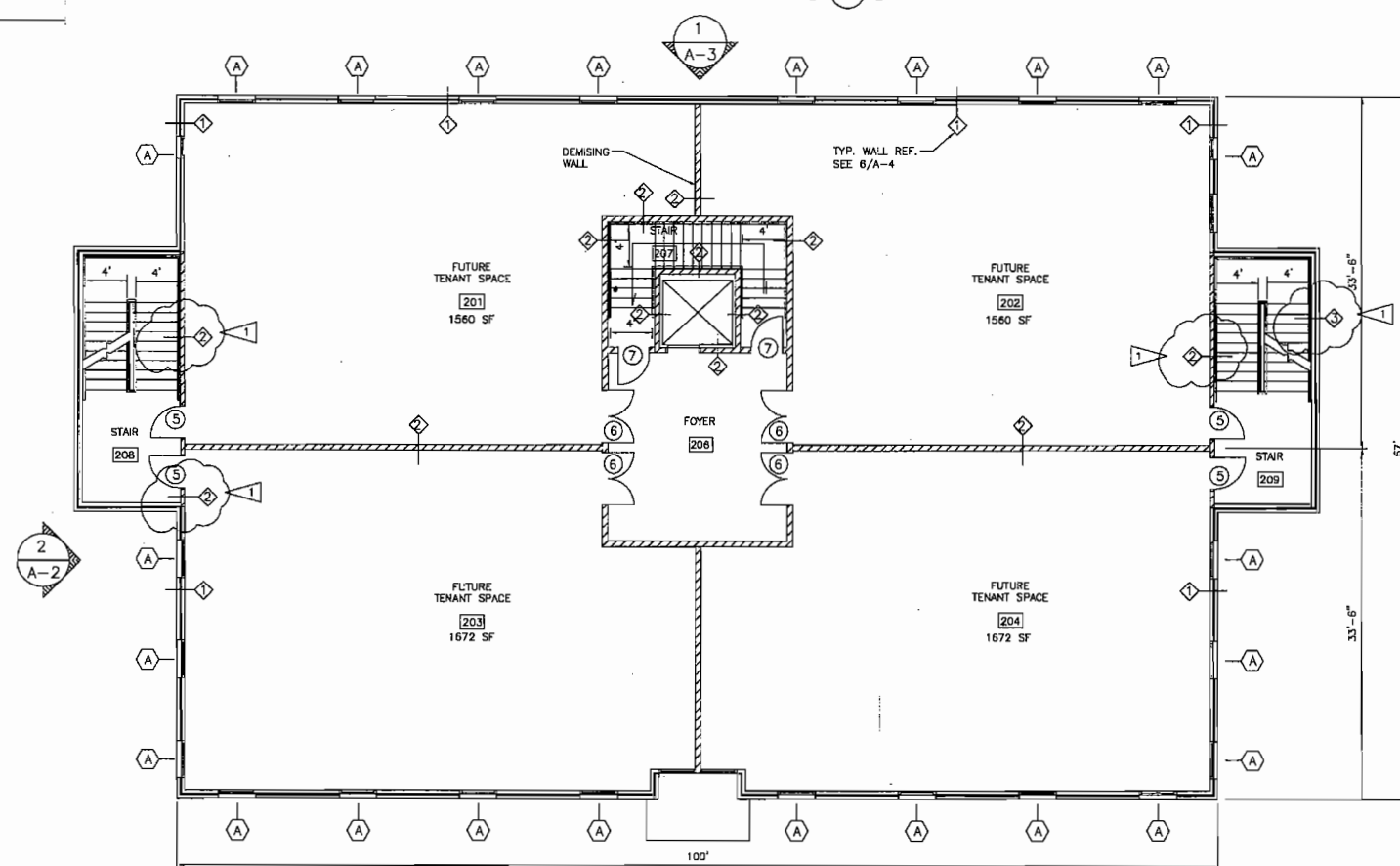
WINDOW SCHEDULE

- 3'-2" x 6'-2" WINDOW. SEE NOTES ON ELEVATION 1/A-2 FOR GLAZING (SHGC) & U-FACTOR REQUIREMENTS.

NOTE:
BUILDING WILL BE FULLY SPRINKLED.

NOTES:

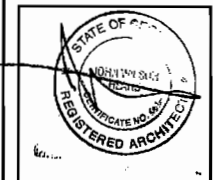
- 1.) SELF CLOSING DEVICES SHALL MEET THE REQUIREMENTS OF THE NFPA 101 LIFE SAFETY CODE, CHAPTER 7, SEC. 7.2.1.4, 2000 EDITION. THEY SHALL BE INSTALLED IN RATED STAIR TO PREVENT DOORS FROM BEING KEPT OPEN.
 - 2.) INTERIOR FINISH PLANS ON ANY SPACE SHALL BE PROVIDED TO GWINNETT COUNTY, DEPARTMENT OF FIRE & EMERGENCY SERVICES PRIOR TO CONSTRUCTION.
 - 3.) WHERE ONLY ONE DRINKING FOUNTAIN IS PROVIDED PER FLOOR THERE SHALL BE A DRINKING FOUNTAIN WHICH IS ACCESSIBLE TO INDIVIDUALS WHO USE WHEELCHAIRS IN ACCORDANCE WITH RULE 120-3-20-26 OF THE GEORGIA ACCESSIBILITY CODE AND ONE ACCESSIBLE TO THOSE WHO HAVE DIFFICULTY BENDING OR STOOPING. THIS CAN BE ACCOMMODATED BY THE USE OF A "H-LO" FOUNTAIN OR AN INVERTED "J" SPOUT WITH A PAPER CUP DISPENSER ANCHORED TO THE WALL. MUST MAKE SURE THE PROPER TURNING RADIUS IS MAINTAINED FOR ACCESSIBILITY.
- ELEVATORS AND ESCALATORS SHALL BE DESIGNED FOLLOWING THE REQUIREMENTS OF ANSI/ASME A17.1, NFPA 101 CHAPTER 9, SECTION 9.4, FOR ELEVATORS AND ESCALATORS, AND SECTION 120-3-20-21 OF THE GEORGIA ACCESSIBILITY CODE.
- ELEVATOR LOBBY PROTECTION SHALL BE PROVIDED PER THE REQUIREMENTS OF THE NFPA 101 LIFE SAFETY CODE CHAPTER 9, SECTION 9.4.2 AS AMENDED BY THE GEORGIA STATE FIRE MARSHAL'S OFFICE, SECTION 120-3-3.
- AN ELEVATOR COMPLYING WITH THE REQUIREMENTS OF RULE 120-3-20-08(5) AND RULE 120-3-20-21 OF THE GEORGIA ACCESSIBILITY CODE SHALL BE PROVIDED.
- EXIT SIGNS COMPLYING WITH NFPA 101 LIFE SAFETY CODE, CHAPTER 7, SEC. 7.10, 2000 EDITION, SHALL BE INSTALLED. ADDITIONAL EXIT SIGNS MAY BE REQUIRED UPON FIELD INSPECTION.
- THE NUMBER OF EXITS AS REQUIRED BY THE APPROPRIATE OCCUPANCY CHAPTER OF THE NFPA LIFE SAFETY CODE 2000 EDITION SHALL BE PROVIDED. FROM SECOND AND THIRD FLOORS. MIN. TWO EXIT REQUIRED.
- FIRE EXTINGUISHERS IN BUSINESS OCCUPANCIES AND OFFICE AREAS SHALL BE LOCATED PER REQUIREMENTS OF NFPA 10. THE SIZE SHALL BE MINIMUM 2A 10BC IS/ARE REQUIRED AND SHALL BE INSTALLED AT A MINIMUM OF 48" ABOVE THE FINISHED FLOOR TO THE TOP OF THE HANDLE.
- STORAGE, MECHANICAL, FURNACE ROOM, JANITOR CLOSET IN EXCESS OF 12 SQ. FT. SHALL BE SEPARATED FROM THE REST OF THE BUILDING BY A 1 HOUR FIRE RATED CONSTRUCTION. ALL OPENINGS SHALL BE PROTECTED BY 45 MINUTE LABELED FIRE DOORS TO INCLUDE SELF CLOSER AND POSITIVE LATCHING (NFPA 101 LIFE SAFETY CODE 2000 EDITION, CHAPTER 8 SEC. 8.4.1.1) OR YOU MAY UTILIZE DOMESTIC WATER SUPPLIED SPRINKLER PROTECTION (NFPA 101 LIFE SAFETY CODE 2000 EDITION, CHAPTER 9 SEC. 9.7.1.2) USING THE FOLLOWING CRITERIA (A). MAXIMUM PROTECTION 600 SQ. FT. (B). MAXIMUM NUMBER OF HEADS PER DOMESTIC SYSTEM IS SIX (6). (C). MINIMUM PIPE SIZE SUPPLYING DOMESTIC SYSTEM SHALL BE ONE (1) INCH NOMINAL DIAMETER, EXCEPT DOMESTIC SYSTEM COMPOSED WHOLLY OF COPPER TUBE MAY BE 3/4 INCH. (D). MAXIMUM AREA OF COVERAGE PER SPRINKLER HEAD OF 100 SQ. FT. (10'x10'). (E). NO CONTROL VALVE TO ISOLATE SPRINKLER HEAD(S) UNLESS SUPERVISED. (F). PROTECTED AREA DEFINED BY PHYSICAL BARRIERS THAT EXTEND FROM FLOOR TO CEILING AND OF CONSTRUCTION THAT WILL RESIST THE PASSAGE OF SMOKE (G). OPENING PROTECTIVE (I.E. DOORS) SHALL BE EQUIPPED WITH SELF CLOSING DEVICES AND BE POSITIVE LATCHED.
- GRAB BARS 36" MINIMUM BEHIND THE WATER CLOSET 42" MINIMUM BESIDE THE WATER CLOSET TO BE INSTALLED PER THE REQUIREMENTS OF RULE 120-3-20-37 GEORGIA ACCESSIBILITY CODE.
- LAVATORIES PROVIDE MOUNTING HEIGHTS OF CLEARANCES. CLEAR FLOOR SPACE OF 30" WIDE x 48" DEEP WITH A MAXIMUM OF 29" UNDER THE LAVATORY SHALL BE PROVIDED. LEVER, PUSH OR ELECTRONIC FAUCETS SHALL BE USED. IF SELF CLOSING VALVES ARE USED, THE WATER SHALL FLOW FOR A MINIMUM OF 10 SECONDS PER FLOOR 120-3-20-30 PER THE GEORGIA ACCESSIBILITY CODE. THE KNEE CLEARANCE SPACE SHALL BE 8 IN. WVS. 48 IN. PER THE ABOVE GAC CODE.
- PROVIDE SUITE DESIGNATION ON ALL EXTERIOR DOORS; MINIMUM SIZE OF 4".



2 SECOND & THIRD - FLOOR PLAN
A-1 SCALE: 1/8" = 1' - 0"

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	1	11/06/06	BRW	JWH	FIRE MARSHAL COMMENTS

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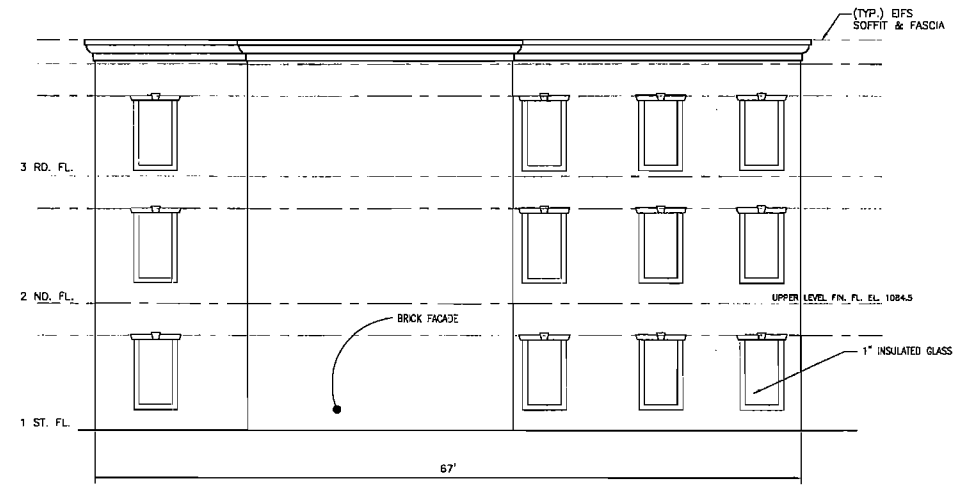
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1 FRONT ELEVATION

A-2 SCALE: 1/8" = 1' - 0"



2 SIDE ELEVATION

A-2 SCALE: 1/8" = 1' - 0"

TYPICAL NOTE: *
 PROVIDE SAFETY GLASS IN THE DOORS & WINDOWS PER SBC SECTION 2405.2 GLAZING SHALL BE FULLY TEMPERED GLASS. SHOP DWGS. REQUIRED.

NOTE: (TYPICAL) (FOR ALL DOORS W/GLASS & ALL WINDOWS) *
 ALL GLAZING SHALL HAVE A MIN. SOLAR HEAT GAIN COEFFICIENT (SHGC) VALUE OF 0.65 MAX. PER IECC SECTION 701.2 & TABLE 701 OF THE 2003 GEORGIA SUPPLEMENTS & AMENDMENTS. THE U-FACTOR & SHGC OF EACH GLAZED FENESTRATION (DOOR OR WINDOW) SHALL BE DETERMINED IN ACCORDANCE WITH NATIONAL FENESTRATION RATING COUNCIL (NFRC) 100-97 PROCEDURE FOR DETERMINING FENESTRATION PRODUCT U-FACTOR & NFRC 200-95 PROCEDURE FOR DETERMINING FENESTRATION PRODUCT SOLAR HEAT GAIN COEFFICIENT AT NORMAL INCIDENCE.

NOTE:
 BUILDING CONSTRUCTED PURSUANT TO "RESIDENTIAL TREATMENT PER LAWRENCEVILLE CODE SECTION 7.16.

3 GENERAL NOTES:

1. CENTER CEILING TILE OF LAY-IN CEILING FROM CENTER OF ROOM.
2. COORDINATE ALL ELECTRICAL AND MECHANICAL LAY-IN LOCATIONS WITH MECHANICAL AND ELECTRICAL DRAWINGS.
3. NOT USED.
4. LAY-IN CEILING TILES TO BE 2 X 2 IMPACT RESISTANT ACOUSTICAL PANELS. (ARMSTRONG ARMATUFF OR APPROVED EQUAL)
5. NOTE USED.
6. ALL WINDOWS SHALL RECEIVE INTERIOR SHADES. THEREFORE, THE ACTUAL SHGC WILL BE .51 IN ACORDANCE W/COM CHECKS*
 NO MORE THAN 15% REDUCTION .60x.15 = .09 (60-.09 = .51)
 U = 0.65

4

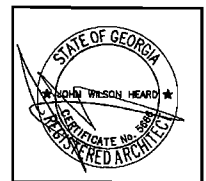
A-2

ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR		WALLS		CEILING		REMARKS
		MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	
101 201 301	FUTURE TENANT SPACE	CONCRETE	EXPOSED	GYP. BD.	PAINT	ACT	---	VINYL BASE
102 202 302	FUTURE TENANT SPACE	CONCRETE	EXPOSED	GYP. BD.	PAINT	ACT	---	VINYL BASE
103 203 303	FUTURE TENANT SPACE	CONCRETE	EXPOSED	GYP. BD.	PAINT	ACT	---	VINYL BASE
104 204 304	FUTURE TENANT SPACE	CONCRETE	EXPOSED	GYP. BD.	PAINT	ACT	---	VINYL BASE
105	FOYER	CONCRETE	CARPET	GYP. BD.	PAINT	ACT	---	VINYL BASE
106 206 306	LOBBY	CONCRETE	CARPET	GYP. BD.	PAINT	ACT	---	VINYL BASE
107 207 307	STAIR	CONCRETE	TILE	GYP. BD.	PAINT	ACT	---	VINYL BASE
108 208 308	STAIR	CONCRETE	TILE	GYP. BD.	PAINT	ACT	---	VINYL BASE
109 209 309	STAIR	CONCRETE	TILE	GYP. BD.	PAINT	ACT	---	VINYL BASE
110	ELEV. EQUIP. RM.	CONCRETE	EXPOSED	GYP. BD.	PAINT	ACT	---	VINYL BASE

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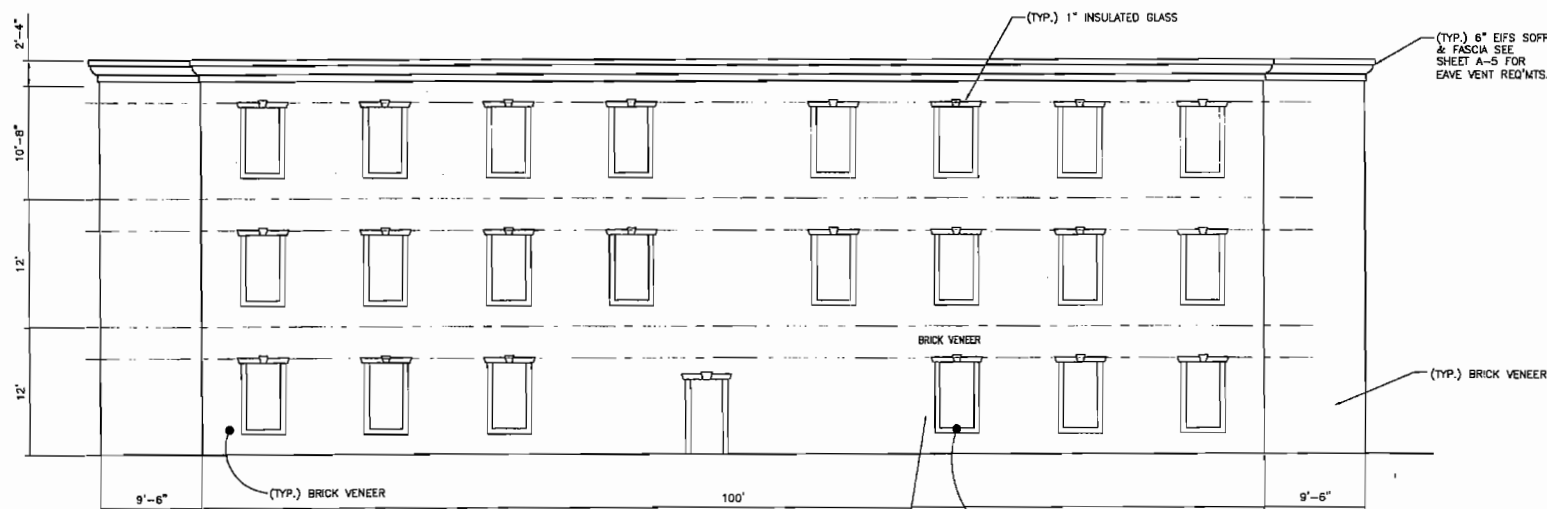
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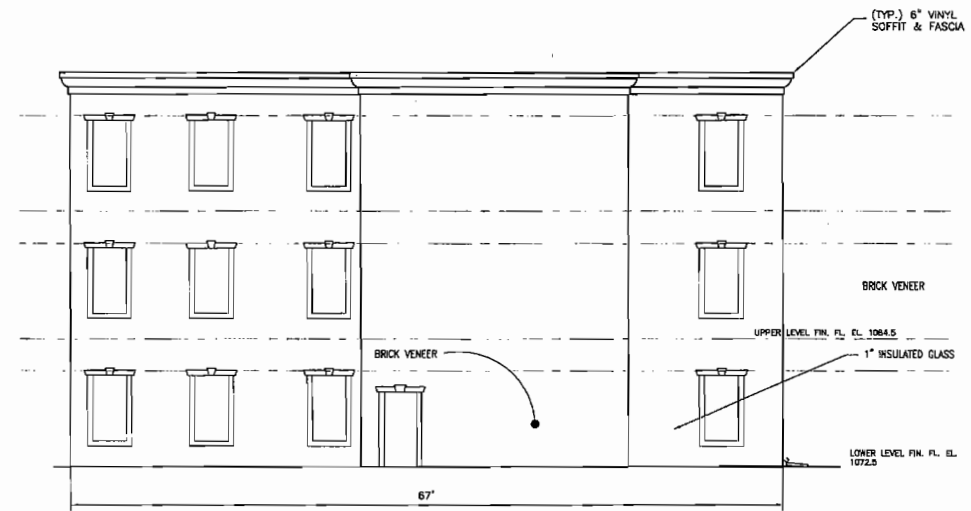
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TYPICAL NOTE: *
 PROVIDE SAFETY GLASS IN THE DOORS & WINDOWS PER SBC SECTION 2405.2 GLAZING SHALL BE FULLY TEMPERED GLASS. SHOP DWGS. REQUIRED.

NOTE: (TYPICAL) (FOR ALL DOORS W/GLASS & ALU WINDOWS)
 ALL GLAZING SHALL HAVE A MIN. SOLAR HEAT GAIN COEFFICIENT (SHGC) VALUE OF 0.65 MAX. PER IECC SECTION 701.2 & TABLE 701 OF THE 2003 GEORGIA SUPPLEMENTS & AMENDMENTS. THE U-FACTOR & SHGC OF EACH GLAZED FENESTRATION (DOOR OR WINDOW) SHALL BE DETERMINED IN ACCORDANCE WITH NATIONAL FENESTRATION RATING COUNCIL (NFRC) 100-97 PROCEDURE FOR DETERMINING FENESTRATION PRODUCT U-FACTOR & NFRC 200-95 PROCEDURE FOR DETERMINING FENESTRATION PRODUCT SOLAR HEAT GAIN COEFFICIENT AT NORMAL INCIDENCE.

1 REAR ELEVATION
 A-3 SCALE: 1/8" = 1' - 0"



2 SIDE ELEVATION
 A-3 SCALE: 1/8" = 1' - 0"

3 A-3

DOOR SCHEDULE										
DOOR NUMBER		DOOR				FRAME			HARDWARE GROUP	REMARKS
		SIZE	MATERIAL	FINISH	TYPE	TYPE	MATERIAL	FINISH		
1	1	(PAIR) 3'-0"x7'-0"x1-3/4"	SF	ANODIZED	---	---	H.M.	PRE-FIN	#1	WEATHER STRIPING
2	1	3'-0"x7'-0"x1-3/4"	STEEL	PAINT	---	---	H.M.	PRE-FIN	#1	WEATHER STRIPING
3	1	3'-0"x7'-0"x1-3/4"	STEEL	PAINT	---	---	H.M.	PRE-FIN	#2	WEATHER STRIPING
4	1	3'-0"x7'-0"x1-3/4"	STEEL	PAINT	---	---	ALUM.	PRE-FIN	#1	WEATHER STRIPING
5	12	3'-0"x7'-0"x1-3/4"	COMPOSITE	PAINT	---	---	ALUM.	PRE-FIN	#3	60 MIN.
6	12	(PAIR) 2'-6"x7'-0"x1-3/4"	COMPOSITE	PAINT	---	---	ALUM.	PRE-FIN	#3	60 MIN.
7	5	3'-0"x6'-8"x1-3/4"	COMPOSITE	PAINT	---	---	WOOD	PAINT	#3	60 MIN.
8	1	3'-0"x6'-8"x1-3/4"	COMPOSITE	PAINT	---	---	WOOD	PAINT	#2	60 MIN.

SF = STORE FRONT

HARDWARE GROUP #1

- 3 HINGES BB1191 US32D NRP (HAGER)
- 1 LOCKSET L9070P X 06B US26D (SCHLAGE)
- 1 CLOSER 4111-CNS X SNB ALUMIN. (LCN)
- 1 PUSH PULL
- 1 THRESHOLD 425 ALUMIN. (NATIONAL GUARD)
- 1 SET DOOR SEALS 502DB (NATIONAL GUARD)
- 1 DOOR BOTTOM SEAL C627A (NATIONAL GUARD)
- 1 PANIC HARDWARE

*SEE NOTE 3

HARDWARE GROUP #2

- 3 HINGES BB1168 US32D (HAGER)
- 1 LOCK SET L9010 X 06B US26D (SCHLAGE)
- 1 CLOSER 4011 X SNB ALUMIN. (LCN)
- 1 DOORSTOP GJFB185 (GLYNN JOHNSON)

*SEE NOTE 3

HARDWARE GROUP #1

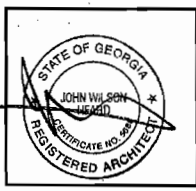
- 3 HINGES BB1168 US32D (HAGER)
- 1 LOCKSET L9010 X 06B US26D (SCHLAGE)
- 1 CLOSER 4011 X SNB ALUMIN. (LCN)
- 1 PUSH PULL GJFB185 (GLYNN JOHNSON)
- 1 PANIC HARDWARE

4 A-3 FINISH HARDWARE NOTES:

1. REVIEW THE KEYING SYSTEM WITH THE OWNER AND PROVIDE THE TYPE REQUIRED (MASTER, GRAND MASTER, ETC.) TO BE INTEGRATED WITH THE OWNER'S SYSTEM.
2. THE SUPPLIER SHALL MEET WITH THE OWNER TO FINALIZE THE KEYING REQUIREMENTS AND PROVIDE FINAL INSTRUCTIONS IN WRITING.
3. ACCEPTABLE FINISH HARDWARE MANUFACTURE'S SHALL INCLUDE THE FOLLOWING:
 - HINGES: HAGER, STANLEY, MCKINNEY
 - CONTINUOUS HINGES: SELECT PRODUCTS, ROTON
 - LOCK CYLINDERS: SCHLAGE, BEST LOCK, SARGENT
 - EXIT DEVICES: VON DUPRIN, SARGENT, PRECISION
 - CLOSURES: LCN, NORTON, YALE
 - WEATHER STRIP/ THRESHOLD: NATIONAL GUARD, REESE

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1 CONSTRUCTION NOTES:
A-4

- THIS IS A SHELL BUILDING CONSTRUCTION. NO INTERIOR CONSTRUCTION IS PERMITTED. A SEPARATE PERMIT WILL BE REQUIRED FOR TENANT FINISHES AND ALL INTERIOR CONSTRUCTION.
- SIGNS, LOCATION, NUMBER AND SIZE ARE NOT INCLUDED UNDER THIS PERMIT. EXTERIOR SIGNAGE REQUIRES A SEPARATE PERMIT FOR EACH SIGN. CONTRACTOR SHALL CONTACT CITY OF LAWRENCEVILLE DEVELOPMENT REVIEW 770-963-2414 FOR ADDITIONAL INFORMATION.
- FIRE EXTINGUISHERS SHALL BE LOCATED PER THE REQUIREMENTS OF NFPA 10 FOR THE OCCUPANCY OF THE BUILDING. THE SIZE SHALL BE A MINIMUM OF 2A 10BC 13 ARE REQUIRED AND SHALL BE INSTALLED AT A MAXIMUM OF 48" ABOVE THE FINISH FLOOR TO THE TOP OF THE HANDLE.
- FIRE ALARM CONTRACTOR SHALL OBTAIN A FIRE ALARM SYSTEM PERMIT FROM THE GWINNETT COUNTY FIRE MARSHAL'S OFFICE PRIOR TO INSTALLATION. SUBMIT FIRE ALARM SYSTEM PLANS FOR REVIEW AND PERMITTING. ANY FIRE ALARM INDICATION ON FLOOR PLANS IS FOR REFERENCE ONLY AND TO BE PERMITTED SEPARATELY.
- ALL PENETRATIONS OF A FIRE OR SMOKE BARRIER SHALL BE PROVIDED WITH A LISTED SMOKE OR FIRE DAMPER AS REQUIRED IN NFPA 90-A. ALL SUPPLY DUCTS WITHIN OR THROUGH A RATED ASSEMBLY SHALL BE METAL.
- WHEN BEAM OR COLUMN BECOMES PART OF A FIRE WALL OR CEILING IT MUST BE PROTECTED AND BE FIRE RATED AS THE WALL OR CEILING.
- PROVIDE CLASS ABC 5 POUND MINIMUM FIRE EXTINGUISHERS TO BE MOUNTED ADJACENT TO EXTERIOR EGRESS DOORS (SEE FLOOR PLAN FOR LOCATIONS).
- FIRE BARRIER SHALL BE CONTINUOUS FROM OUTSIDE WALL TO OUTSIDE WALL FROM ANOTHER FIRE BARRIER TO A FIRE BARRIER, OR A COMBINATION THEREOF, INCLUDING CONTINUITY THROUGH ALL CONCEALED SPACES SUCH AS THOSE FOUND ABOVE CEILING, INCLUDING INTERSTITIAL SPACES. OPENINGS THROUGH FLOORS, SUCH AS STAIRWAYS, ELEVATOR HOIST WAYS, AND SHAFT WAYS USED FOR LIGHT, VENTILATION OR BUILDING SERVICES SHALL BE ENCLOSED WITH FIRE BARRIERS (VERTICAL) SUCH AS WALLS OR PARTITION ASSEMBLIES. SUCH ENCLOSURES SHALL BE CONTINUOUS FROM FLOOR TO FLOOR. OPENINGS SHALL BE PROTECTED AS APPROPRIATE FOR THE FIRE RESISTANCE RATING OF THE BARRIER.
- SEAL ALL THROUGH-WALL/RATED ASSEMBLY PENETRATIONS PER UL DESIGN NO. WL1001.
- THESE PLANS WERE REVIEWED USING NFPA NATIONAL FIRE CODES: 101 LIFE SAFETY CODE: GEORGIA FIRE PREVENTION LAW: ANSI 117.1 1986; AND GEORGIA TITLE 30 HANDICAP CODES AND GEORGIA ACCESSIBILITY CODE: ANSI/ASME A17.0 SAFETY CODE FOR ELEVATORS.
- PASSAGE OF PIPES, CONDUITS, BUS DUCTS, CABLES, WIRES, AIR DUCTS, PNEUMATIC DUCTS, AND SIMILAR BUILDINGS SERVICE EQUIPMENT THROUGH FIRE EQUIPMENT THROUGH FIRE BARRIERS SHALL BE PROTECTED AS FOLLOWS:
 - THE SPACE BETWEEN THE PENETRATING ITEM AND FIRE BARRIER SHALL BE FILLED WITH A MATERIAL CAPABLE OF MAINTAINING THE FIRE RESISTANCE RATING OF THE FIRE BARRIER PRODUCT. PRODUCTS USED MUST MEET TEST METHODS ASTM E814 OR UL 1479 FOR FIRE RATING.
- ALL CONCRETE WORK TO CONFORM TO ACI 301 AND DESIGN TO BE IN ACCORDANCE WITH ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (SECTION 1901.1) CONCRETE REPORTS TO REMAIN ON FILE AT THE JOB SITE FOR THE DURATION OF CONSTRUCTION.
- INSTALL GAS PIPING TO MEET THE LATERAL BRACING REQUIREMENTS FOR SEISMIC PERFORMANCE CATEGORY AND HAZARD EXPOSURE GROUP 1/CLASS "C" PER SMACNA "SEISMIC RESTRICTION ORAINIT MANUAL GUIDELINE 301 AND "ES FOR MECHANICAL SYSTEMS" AND SBC 2000 SECTION 1607.
- THE FLOOR ON BOTH SIDES OF A DOOR SHALL BE LEVEL AND SHALL HAVE THE SAME ELEVATION ON BOTH SIDES OF THE DOOR. FOR A DISTANCE OF EACH SIDE AT LEAST EQUAL TO THE WIDTH OF THE WIDEST SINGLE DOOR (NFPA 101 5-2.1.3.31).
- EXIT DOORS SHALL NOT BE SUBJECT TO THE USE OF KEY OR REQUIRE SPECIAL KNOWLEDGE TO OPERATE PER NFPA 101 LIFE SAFETY CODE 2000 EDITION CHAPTER 5-2.1.5.1.
- THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE USED TO IDENTIFY ACCESSIBLE FACILITIES (ANSI 117.1-1986 4.28.5).
- AT LEAST ONE TOILET ROOM SHALL BE PROVIDED FOR EVERY FLOOR, WHICH IS TO BE MADE ACCESSIBLE AND USABLE BY HANDICAPPED PERSONS.
- DISABLED ACCESSIBLE URINALS SHALL BE WALL HUNG WITH AN "ELONGATED RIM" AT THE MAXIMUM OF 17 INCHES ABOVE THE FLOOR. A CLEAR FLOOR SPACE OF 30 INCHES BY 48 INCHES SHALL BE PROVIDED IN FRONT OF URINALS.
- LAVATORIES SHALL BE MOUNTED WITH A CLEARANCE OF 29 INCHES FROM THE FLOOR TO THE BOTTOM OF THE APRON. PLUMBING SHALL BE ARRANGED SO THAT A KNEE CLEARANCE SPACE OF 48 INCHES DEEP, 10" CLEARANCE OF 9 INCHES AND A FLOOR SPACE OF 17 INCHES IS ACHIEVED TO COMPLY WITH ANSI 117.1 & GEORGIA ACCESSIBILITY CODE.
- GRAB BARS ARE TO BE LOCATED AS OUTLINED IN GA. ACCESSIBILITY CODE STANDARD AND DO NOT OBSTRUCT THE REQUIRED CLEAR FLOOR AREA.
- ONE HAND LEVER OPERATION IS REQUIRED OF FAUCETS, SELF CLOSING VALVES ARE PERMITTED PROVIDING THE FAUCET REMAINS OPEN FOR AT LEAST TEN SECONDS TO COMPLY ANSI 117.1 & GEORGIA ACCESSIBILITY CODE.
- WATER CLOSET HEIGHT SHALL BE 17 TO 19 INCHES, MEASURED FROM THE TOP THE TOILET SEAT TO THE FLOOR TO COMPLY WITH ANSI 117.1 & GEORGIA ACCESSIBILITY CODE.
- HOT WATER AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED OR COVERED NO SHARP OR ABRASIVE SURFACES SHALL BE FOUND UNDER LAVATORIES TO COMPLY WITH ANSI 117.1 & GEORGIA ACCESSIBILITY CODE.
- MIRRORS ARE TO BE MOUNTED WITH THE BOTTOM EDGE NO HIGHER THAN 40 INCHES FROM THE FLOOR TO COMPLY WITH ANSI 117.1 & GEORGIA ACCESSIBILITY CODE.
- DOORS TO ACCESSIBLE TOILET ROOMS SHALL NOT SWING INTO CLEAR SPACE REQUIRED FOR ANY FIXTURE TO COMPLY WITH ANSI 117.1 & GEORGIA ACCESSIBILITY CODE.
- DRINKING FOUNTAINS ACCESSIBLE TO THE HANDICAPPED PERSON ARE PROVIDE AT MAIN RESTROOM.
- FREE-STANDING OR BUILT-IN DRINKING FOUNTAIN (S) OR WATER COOLER (S) SHALL HAVE A CLEAR FLOOR SPACE OF AT LEAST 30 INCHES BY 48 INCHES TO COMPLY ANSI 117.1 & GEORGIA ACCESSIBILITY CODE.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR BRACING AND SHORING OF THE STRUCTURE DURING CONSTRUCTION TO ENSURE STABILITY.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING FOR THE THERMAL INTEGRITY OF THE BUILDING ENVELOPE BY PROVIDING PROPER INSULATION INSTALLATION AND SEALING ANY AREA OF POTENTIAL AIR INFILTRATION SPECIFICALLY CALLED FOR OR NOT.
- CONTRACTOR SHALL PERMANENTLY IDENTIFY ALL FIRE RATED WALLS & ATTIC DRAFTSTOPPING (AND CORRESPONDING HOURLY RATING) REQUIRED TO HAVE PROTECTED OPENINGS, CORRIDOR PARTITIONS, SMOKE STOP PARTITIONS, HORIZONTAL EXIT PARTITIONS, AND EXIT ENCLOSURES EITHER BY INSTALLING SIGNS OR BY STENCILING IN CONCEALED SPACES THE FOLLOWING:
 - 1 HOUR FIRE AND SMOKE BARRIER-PROTECT ALL OPENINGS. IDENTIFICATION SHALL BE SPACED NO MORE THAN TWELVE (12) FEET ON CENTER WITH A MINIMUM LETTER SIZE OF TWO (2) INCHES IN HEIGHT ON A CONTRASTING BACKGROUND IN COMPLIANCE WITH SBC 704.2.1.5.

- GUARD OR STAIR RAIL SHALL HAVE PICKETS SPACED SO THAT A SPHERE 4" IN DIAMETER WILL NOT PASS THRU PER NFA 101 LIFE SAFETY CODE 2000 EDITION.
- PROTRUDING OBJECTS: OBJECTS PROJECTING FROM WALLS, FREESTANDING, OVERHEAD, OVERHANGING OBJECTS AND OBJECTS MOUNTED ON POSTS AND PYLONS SHALL BE INSTALLED IN COMPLIANCE WITH RULE 120-3-20-15.
- PANIC HARDWARE SHALL BE PROVIDED FOR ALL EXIT DOORS PER THE REQUIREMENTS OF NFPA 101 LIFE SAFETY CODE 2000 EDITION.
- ELEVATORS AND ESCALATORS SHALL BE DESIGNED FOLLOWING THE REQUIREMENTS OF ANSI/ASME A 171 SAFETY CODE FOR ELEVATORS AND ESCALATORS AND SHALL BE APPROVED BY THE GEORGIA DEPARTMENT OF LABOR, ELEVATOR DIVISION PRIOR TO SUBMITTAL TO OUR OFFICE FOR FINAL BUILDING INSPECTION.
- CONTACT CITY OF LAWRENCEVILLE FOR INSPECTIONS AT 770-963-2414 50%, 80% AN 100% COMPLETION.
 - 50%= INSPECTION OF FLOOR CEILING PENETRATIONS.
 - 80%= INSPECTION OF ANY FIRE RATED BARRIERS, FLOOR, OR CEILING.
 - 100%= FINAL INSPECTION: ALL SYSTEMS, EQUIPMENT INSTALLED AND OPERATING.
- DETECTABLE WARNINGS: ON WALKING SURFACES, ON DOORS TO HAZARDOUS AREAS, STAIRS, HAZARDOUS VEHICLE AREAS, REFLECTING POSTS, AND AT RAIL AND TRAIN STATIONS SHALL COMPLY WITH RULE 120-3-20-40.
- CONTRACTORS SHALL ENSURE THAT CONSTRUCTION SHALL HAVE A FIRE RESISTANCE RATING EQUAL TO OR GREATER THAN THE FIRE RESISTANCE RATING OF ALL CONSTRUCTION WHICH IT SUPPORTS AS PER COMPLIANCE TO SBC TABLE 601.
- ALL AREAS WHERE AIR PLENUM IS UTILIZED SHALL HAVE PLENUMS WITH MATERIALS UTILIZED TO BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 AS DETERMINED IN ACCORDANCE WITH ASTM-E84 IN COMPLIANCE WITH SBC 803 AND SMC- 602.
- ALL INSULATING MATERIALS OF THE BUILDING SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPED INDEX OF NOT MORE THAN 450 AS DETERMINED IN ACCORDANCE WITH ASTM-E84 IN COMPLIANCE WITH SBC 708.3 AND CHAPTER 6.
- ALL PREENGINEERED TRUSS SHOP DRAWINGS SHALL BE AVAILABLE ON THE JOB SITE DURING THE TIMES OF INSPECTION AND SHALL BEAR CLEAR INDICATION THAT THEY HAVE BEEN REVIEWED AND APPROVED BY THE PROJECT STRUCTURAL ENGINEER-OF-RECORD AS PER GCCC SECTION 103.2.
- ALL PREENGINEERED FLOOR JOIST SHOP DRAWINGS SHALL BE AVAILABLE ON THE JOB SITE DURING THE TIMES OF INSPECTION AND SHALL BEAR CLEAR INDICATION THAT THEY HAVE BEEN REVIEWED AND APPROVED BY THE PROJECT STRUCTURAL ENGINEER-OF-RECORD AS PER GCCC.
- MASONRY WALLS SHALL HAVE ADEQUATE VERTICAL REINFORCEMENT AND ADHERE TO MINIMUM LAP SPLICE LENGTH AS SPECIFIED IN THE STRUCTURAL DRAWINGS.
- CONTRACTORS SHALL ENSURE ALL REQUIRED SITE IMPROVEMENTS ARE COMPLETED AND THESE PLANS AND ALL APPLICABLE CODES AND ORDINANCES ARE ADHERED TO AND FIELD VERIFIED BY THE INSPECTOR BEFORE SUBMITTING AN APPLICATION FOR A CERTIFICATE OF OCCUPANCY.

2 PARTITION NOTES:
A-4

- ALL PARTITIONS TO BE PARTITION TYPE 1 U.N.O.
- SEE W-L-7001 FOR TYPICAL DUCT PENETRATION THROUGH RATED WALL. SEE SHT. A-8 & M-2.
- SEE W-L-1001 FOR TYPICAL PIPE PENETRATION THROUGH RATED WALL. SEE SHT. A-8, E-2 & P-2.
- SEE UL DESIGN NO L258 FOR RATED FLOOR/CEILING SYSTEM. SEE SECTIONS FOR RATED FLOOR REQUIREMENT LOCATIONS. SEE SHT. A-7.
- SEE UL DESIGN NO L258 GA FILES FC 8012 FOR RATED FLOOR SYSTEM AS SHOWN ON A-7 & A-8.
- PROVIDE MINIMUM 1" AIR SPACE BETWEEN BACK OF BRICK AND SHEATHING. BRICK TIES TO BE CORROSION RESISTANT WIRE STAIN NO.9 W&M MIN. (OR EQUAL). SCREW THRU TO STUDS @ 3 SF MAX W/MAX SPACING 16" VERTICAL AND 32" HORIZONTAL. FASTEN FLOOR PLATE TO SLAB 1/2" A.B. @ 48" O.C. MAX. SEE STRUCTURAL SHEET S-4 DETAIL 3/S-4.

3 PENETRATION NOTES:
A-4

- DUCTS AND PIPES PENETRATING RATED WALLS SHALL COMPLY WITH SBC 711.
- FIRE DAMPERS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS IN THE FOLLOWING LOCATIONS.
- DUCTS/PIPES PENETRATING WALL OR PARTITIONS HAVING A FIRE RESISTANCE RATING OF 1 HOUR OR MORE.
- DUCTS/PIPES PENETRATING SHAFT WALLS HAVING A FIRE RESISTANCE RATING OF 1 HOUR OR MORE.

4 STAIR NOTES:
A-4

- (LANDINGS AND STAIRS) SHALL BE SOLID WITH NO PERFORATIONS, NOSINESS, OR OPEN RISERS. THEY SHALL BE A MINIMUM OF 44 INCHES WIDE WITH TREADS A MINIMUM OF 11" DEEP AND RISERS A MAXIMUM OF 7" HIGH PER NFPA 101 LIFE SAFETY CODE 2000 EDITION AND GEORGIA ACCESSIBILITY CODE CHAPTER 120-3-20-20.
- (GUARD OR STAIR RAIL) SHALL HAVE PICKETS SPACED SO THAT A SPHERE 4" IN DIAMETER WILL NOT PASS THROUGH PER NFPA 101 LIFE SAFETY CODE 2000 EDITION
- HAND RAILS SHALL COMPLY WITH SBC 1003.3.11.
- COMPLETE SHOP DRAWINGS FOR CONSTRUCTION OF ALL SPECIALLY ITEMS, GUARDRAILS, HANDRAILS SHOWING MATERIALS, SIZES POST AND PICKET LOCATIONS AND ANCHORAGE DETAILS SHALL BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF GEORGIA AND SHALL BE MADE AVAILABLE AT THE JOB SITE DURING TIMES OF INSPECTION.

5 ATTIC NOTES:
A-4

- ATTIC VENTILATIONS SHALL BE IN COMPLIANCE WITH SBC 1202.2. (SEE SHT.A-6)
- ATTIC ACCESS OF 22"x30" SHALL BE PROVIDED AT THE LOCATIONS SHOWN ON PLANS. ACCESS HATCH SHALL BE PREMANUFACTURED 20 GAUGE GALVANIZED STEEL FRAME, BACKED WITH 3/8" FIBERBOARD, CONCEALED PIVOT HINGE AND GASKET. GASKETING SHALL BE OF FLAME RETARDANT POLYURETHANE. ASSEMBLY SHALL CARRY UL RATING OF 1HR MINIMUM. LOCATE PER 1/A-6.
- DRAFTSTOPS SHALL COMPLY WITH SBC SECTION 716. SEE PLANS ON SHT. A-6.
- DRAFTSTOPPING MATERIALS SHALL NOT BE LESS THAN 1/2" (12.7MM) GYPSUM BOARD, 15/32 INCH (11.9MM) WOOD STRUCTURAL PANEL, 1/2 INCH (12.7MM) PARTIALBOARD OR OTHER APPROVED MATERIALS ADEQUATELY SUPPORTED.
- DRAFTSTOPS SHALL HAVE A SELF CLOSING ACCESS DOOR MIN, 24"x48".

6 WALL SCHEDULE:
A-4

- EXTERIOR-LOAD BEARING 2"x6" WOOD STUDS @ 12" O.C. 1ST. FLR. TO 2ND. FLR., 12" O.C. 2ND. FLR. TO 3RD. FLR. AND 16" O.C. FROM 3RD. FLR. TO ROOF WITH 1/2" GYP. BD. INSIDE AND 1/2" OSB SHEATHING ON OUTSIDE, R-19 BATT INSULATION. PROVIDE LATERAL BRACING WHEN NOT BRACED AT CORNERS. PROVIDE MINIMUM 1" AIR SPACE BETWEEN BACK OF BRICK AND SHEATHING. BRICK TIES TO BE CORROSION RESISTANT WIRE STRAND NO.9 W&M MIN. (OR EQUAL). SCREW THRU TO STUDS @ 3 SF. MAX W/ MAX SPACING 16" VERTICAL AND 32" HORIZONTAL.
- 1 HOUR RATING - INTERIOR - NON-LOAD BEARING 2"x6" WOOD STUDS @ 16" O.C. FROM SOLE PLATE TO DOUBLE TOP PLATE W/ 1/2" OSB & 5/8" TYPE "X" FIRE-RATED GYP. BD. EA. SIDE. PROVIDE LATERAL BRACING WHEN NOT BRACED AT CORNERS. GYPSUM BOARDS WILL BE NAILED TO STUDS AND BEARING PLATES 7" O.C. WITH 6D CEMENT COATED NAILS 1 7/8" LONG W/ 0.0915 SHANK DIAMETER AND 1/4" HEAD DIAMETER. JOINTS AND NAILHEADS TO BE COVERED WITH PAPER TAPE AND JOINT COMPOUND. UL DESIGN U 314 (1 HOUR RATED). THROUGH WALL PENETRATIONS PER WL1001 OR WL7D01 (SEE UL DESIGN NO WL1001 OR UL DESIGN NO WL7D01 ON SHEET A-8).
- 1 HOUR RATING - FLOOR/CEILING ASSEMBLY ONE LAYER 5/8" PROPRIETARY TYPE X GYPSUM WALLBOARD BASE APPLIED AT RIGHT ANGLES TO RIGID FURRING CHANNELS 24" O.C. WITH 1" TYPE S DRYWALL SCREWS 12" O.C. AND LOCATED 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 EXISTING 12" DEEP PARALLEL CHORD WOOD TRUSSES 24" O.C. WITH DOUBLE STRAND, 18 GAGE GALVANIZED STEEL WIRE TIES 48" O.C. WOOD TRUSSES SUPPORTING EXISTING 3/4" NOMINAL PLYWOOD WITH EXTERIOR GLUE, T&G EDGES, APPLIED AT RIGHT ANGLES TO TOP OF TRUSSES WITH CONSTRUCTION ADHESIVE AND 100 RING SHANK NAILS 6" ALONG EDGES & 12" O.C. ALONG INTERMEDIATE SUPPORTS ADHESIVE APPLIED TO EACH TOP CHORD AND GROOVED EDGES OF PLYWOOD. PLYWOOD END JOINTS STAGGERED 48". UL DESIGN L 258 (2 HOUR RATED). SEE SHT. A-8.
- 1 HOUR RATING - CEILING/ROOF ASSEMBLY BASE LAYER 5/8" GYPSUM WALLBOARD (OR 1/2" TYPE X - TABLE 709.2.2.4B) APPLIED PERPENDICULAR TO WOOD TRUSSES 24" O.C. WITH 1-1/4" TYPE S DRYWALL SCREWS 24" O.C. FACE LAYER 5/8" GYPSUM WALLBOARD (OR 1/2" TYPE X - TABLE 709.2.1.4B) APPLIED PERPENDICULAR TO WOOD TRUSSES WITH 1-7/8" TYPE S DRYWALL SCREWS 12" O.C. AND 1-32/14" TYPE G DRYWALL SCREWS 12" O.C. PLACED 3" BACK FROM EITHER SIDE OF END JOINTS. JOINTS OFFSET 24" FROM BASE LAYER JOINTS. ON PRE-ENGINEERED TRUSSES WITH CHORD AND WEB MEMBERS FABRICATED FROM 2X4 LUMBER WITH 2D GAGE STEEL CONNECTOR PLATES HAVING A MINIMUM TOOTH LENGTH OF 5/16". PLATE DESIGN VALUES BASED UPON SAFETY FACTOR OF 4. TRUSSES TO HAVE MINIMUM DEPTH OF 12" (OR EQUIVALENT TRUSSES TO BE INSPECTOR VERIFIED PRIOR TO CLOSING) (IF REQUIRED, 19/32" T&G PLYWOOD SUBFLOORING WITH EXTERIOR GLUE APPLIED AT RIGHT ANGLES TO TOP OF TRUSSES WITH 6D COMMON NAILS 6" O.C. PLYWOOD END JOINTS STAGGERED 48" RC 2601 (1 HOUR RATED). SEE SHT. A-8.

7 GENERAL NOTES:
A-4

THE GOVERNING CODE FOR THIS PROJECT IS THE GEORGIA STATE AMENDMENTS. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE AND ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES, STANDARDS, REGULATIONS AND LAWS.

WORK NOT INDICATED ON PART OF THE DRAWINGS BUT IMPLIED TO BE SIMILAR TO THAT SHOWN AT CORRESPONDING PLACES SHALL BE REPEATED.

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS AND COORDINATE WITH ARCHITECTURAL DRAWINGS, DRAWINGS FROM OTHER CONSULTANTS, PROJECT SHOP DRAWINGS AND FIELD CONDITIONS PRIOR TO CONSTRUCTION.

IN ANY CASE OF CONFLICT BETWEEN THE DRAWINGS, NOTES, SPECIFICATION AND THE SITE CONDITIONS, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN. THE CONTRACTOR SHALL MAKE NO DEVIATIONS FROM DESIGN DRAWINGS WITHOUT WRITTEN APPROVAL OF THE ENGINEER.

JOB SAFETY AND CONSTRUCTION PROCEDURES ARE THE RESPONSIBILITY OF THE CONTRACTOR.

UNLESS NOTED OTHERWISE, TESTING AND INSPECTION SERVICES CALLED FOR SHALL BE PAID BY THE OWNER AND ARE NOT PART OF THE BASIC DESIGN SERVICES.

REVIEW OF THE SHOP DRAWINGS AND OTHER SUBMITTALS BY THE STRUCTURAL ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO REVIEW AND CHECK SHOP DRAWINGS BEFORE SUBMITTAL TO THE STRUCTURAL ENGINEER. THE 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. CONTRACTOR IS ALSO RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION.

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN, ADEQUACY, AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC. THE STRUCTURAL ELEMENTS ARE NOT STABLE UNTIL THE STRUCTURE IS COMPLETE.

SUPERIMPOSED GRAVITY LOADS:

ROOF/PAR	
TOP CHORD DEAD LOAD:	10 PSF
BOTTOM CHORD DEAD LOAD:	15 PSF
TOTAL DEAD LOAD:	20 PSF
LIVE LOAD:	20 PSF

FLOORS:

OFFICES w/PARTITIONS	70 PSF
CORRIDORS:	80 PSF
CEILING & MECHANICAL:	5 PSF
DEAD LOAD:	10 PSF
STAIR LIVE LOAD:	100 PSF

SEISMIC DESIGN:

SPECTRAL RESPONSE ACCELERATION COEFFICIENTS	
SDS=0.30G	
S ₁ =0.18G	
SEISMIC USE GROUP:	I
SITE CLASS:	D
SEISMIC DESIGN CATEGORY:	C
BASIC STRUCTURAL SYSTEM:	LIGHT FRAME SHEAR WALLS

RESPONSE MODIFICATION FACTOR: R-6

SEISMIC ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

BASE SHEAR: (MAX) 38 KIPS

WIND DESIGN:

WIND SPEED: 90 MPH

IMPORTANCE FACTOR: Iw=1.0

WIND EXPOSURE CATEGORY - B

DESIGN WIND PRESSURE FOR EXTERIOR COMPONENTS & CLADDING SHALL BE AS PER SEC WIND SPEED NOTED ABOVE BUT NOT LESS THAN 20 PSF

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DATE	DRAWN	CHECKED
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SCALE	AS SHOWN	
SHEET TITLE	NOTES & PARTITION SCHEDULE	

PROJECT NUMBER
06029

A-4
of 8
DRAWING NUMBER

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1

A-5

REINFORCED CONCRETE NOTES:

STRUCTURAL CONCRETE AND CONCRETING PRACTICES SHALL CONFORM WITH THE 2000 STANDARD BUILDING CODE, & GA STATE AMENDMENTS AND ACI 318-99 "AMERICAN CONCRETE INSTITUTE, BUILDING CODE FOR REINFORCED CONCRETE". DETAILS SHALL BE IN ACCORDANCE WITH ACI 315, "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES UNLESS OTHERWISE NOTED ON THE DRAWINGS.

ALL EXPOSED CONCRETE SHALL HAVE AN AIR ENTRAINING AGENT.

WELDED WIRE FABRIC SHALL CONFORM TO ASTM 185. CHAIR OR LIFT WIRE FABRIC DURING PLACEMENT TO INSURE PROPER POSITION IN SLAB.

ALL REINFORCEMENT SHALL BE SECURELY HELD IN PLACE WHILE PLACING CONCRETE. IF REQUIRED, ADDITIONAL BARS OR STIRRUPS SHALL BE PROVIDED BY THE CONTRACTOR TO FURNISH SUPPORT FOR ALL BARS.

USE OF CALCIUM CHLORIDE, CHLORIDE IONS OR OTHER SALTS IN CONCRETE IS NOT PERMITTED.

CONTRACTOR SHALL VERIFY AND COORDINATE DIMENSIONS AND LOCATIONS OF ALL OPENINGS, PIPE SLEEVES, CURBS, ETC. AS REQUIRED BY OTHER TRADES BEFORE CONCRETE IS PLACED.

FOR LOCATION OF FLOOR DRAINS, CURBS, CONCRETE PADS AND FLOOR DEPRESSION, SEE ARCHITECTURAL AND MECHANICAL DRAWINGS ALL CONCRETE PAD SLABS SHALL BE REINFORCED WITH WWF #6-W1.4XW1.4. MINIMUM PLACED 1" CLEAR FROM TOP OF CONCRETE PAD UNLESS CALLED OUT OTHERWISE ON THE ARCHITECTURAL, MECHANICAL OR STRUCTURAL DRAWINGS.

REINFORCED STEEL SHALL HAVE THE FOLLOWING CONCRETE COVER UNLESS NOTED OTHERWISE.

CONCRETE CAST AGAINST EARTH	3"
FORMED CONCRETE EXPOSED TO EARTH OR WEATHER:	
#6 THROUGH #18 BARS:	2"
#5 BARS AND SMALLER:	1 1/2"
CONCRETE NOT EXPOSED TO EARTH OR WEATHER:	
SLAB, JOISTS, AND WALLS:	1 1/2"
BEAM STIRRUPS AND COLUMN TIES:	1 1/2"

UNLESS NOTED OTHERWISE ALL CONCRETE SHALL BE NORMAL WEIGHT AND HAVE THE FOLLOWING MINIMUM 28 DAY STRENGTH.

FOUNDATIONS-----	3,000 PSI
SLAB-ON-GRADE----	3,000 PSI

PROVIDE 3/4" CHAMFER AT ALL EXPOSED CONCRETE CORNERS.

THE RESULTS OF ALL CONCRETE COMPRESSION TEST SHALL BE AVAILABLE AT THE JOB SITE FOR REVIEW BY THE INSPECTOR.

PROVIDE CONTINUE REINFORCEMENT WHEREVER POSSIBLE. DOWELS SHALL MATCH THE SIZE AND SPACING FO THE SPECIFIED ED REINFORCEMENT AND SHALL BE LAPPED WITH TENSION SPLICES. UNLESS NOTED OTHERWISE LAP LENGTHS EXPRESSED IN NUMBER OF BAR DIAMETERS SHALL BE AS FOLLOWS:

BAR SIZE	LAP SPLICE
#4	3'-0"
#5	4'-0"

THE YIELD STRENGTH OF ALL REBAR SHALL BE 60 KSI.

2

A-5

FOUNDATIONS AND SLAB-ON-GRADE NOTES:

THE SIDES OF FOUNDATIONS SHALL BE FORMED UNLESS CONDITIONS PERMIT EARTH FORMING. FOUNDATIONS POURED AGAINST THE EARTH REQUIRE A TWO (2) HORIZONTAL TO ONE (1) VERTICAL SLOPE.

WHERE FOOTING STEPS ARE NECESSARY, THEY SHALL BE NO STEEPER THAN ONE VERTICAL TO TWO HORIZONTAL.

UNLESS NOTED OTHERWISE, SLAB-ON-GRADE SHALL BE MINIMUM 4" THICK PLACED ON COMPACTED SOIL ALL REINFORCED WITH 6X6 WWF-W1.4XW1.4 W/M SUPPORT MESH WITH BRICKS @ 3'-0" O.C. EACH WAY IN TOP HALF OF SLAB. LAP MESH TWO SQUARES AT SPLICES. STAGGER SPLICES. PLACE CONTROL JOINTS AT COLUMN LINES UNLESS OTHERWISE SHOWN IN PLAN AND AT INTERMEDIATE LINES SUCH THAT AREA OF EACH PANEL DOES NOT EXCEED 400 SQUARE FEET. LOCATED CONSTRUCTION JOINTS AT CONTROL JOINTS. REFER TO GEOTECHNICAL REPORT FOR ADDITIONAL SUBGRADE REQUIREMENTS.

FOOTINGS HAVE BEEN DESIGNED FOR AN ALLOWABLE SOIL BEARING CAPACITY FOR 2000 PSF ON UNDISTURBED SOIL OR 96% COMPACTED FILL. NOTIFY THE SOIL ENGINEER TO INSPECT THE SOIL COMPACTION AND SOIL BEARING CAPACITY PRIOR TO ANY POUR OF FOOTINGS.

PROVIDE 3" MINIMUM CONCRETE COVER FOR REINFORCING WHERE FOOTINGS ARE POURED AGAINST EARTH; 2" CONCRETE COVER FOR REINFORCING WHERE THE FOOTINGS ARE POURED AGAINST FORMS.

3

A-5

REINFORCED MASONRY NOTES:

CONCRETE MASONRY WORK SHALL CONFORM TO THE STANDARD BUILDING CODE PROVISIONS FOR MASONRY AND THE "SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF LOAD BEARING CONCRETE MASONRY" NCMA.

MORTAR SHALL BE TYPE "M" OR "S" MORTAR ONLY AND SHALL CONFORM TO ASTM C270.

GROUT SHALL CONFORM TO ASTM C476 WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI AND SHALL BE USED AS FILLING FOR VERTICAL CAVITIES, BOND BEAMS, LINTELS AND HOLLOW MASONRY UNITS DESIGNATED AS SOLID GROUDED IN THE DESIGN DRAWINGS, GROUT SHALL HAVE A MINIMUM SLUMP OF 8 INCHES.

CONCRETE MASONRY UNITS SHALL BE NORMAL WEIGHT HOLLOW LOAD BEARING CONCRETE MASONRY UNITS WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 1500 PSI.

REFER TO ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF MASONRY WALLS AND FOR DETAILS OF EXPANSION JOINTS AND CONTROL JOINTS.

USE ASTM A615 GRADE 60 FOR ALL REINFORCING STEEL. REINFORCEMENT MUST BE CONTINUOUS AROUND WALLS, CORNERS, AND AT INTERSECTIONS.

PROVIDE A MINIMUM 1-#5 VERTICAL. GROUDED FULL HEIGHT, AT EACH SIDE OF OPENINGS, AT WALL ENDS, AND AT CORNERS.

LAY MASONRY UNITS IN RUNNING BOND UNLESS NOTED OTHERWISE.

THE YIELD STRENGTH OF ALL REBAR SHALL BE 60 KSI.

MIN. 12P SPLICE FOR REINFORCEMENT FOR MASONRY IS 24" FOR #4 AND 31" FOR # 5 REBAR.

4

A-5

STRUCTURAL STEEL NOTES:

FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, "MANUAL OF STEEL CONSTRUCTION 1989 EDITION".

ALL STEEL DETAILS AND CONNECTIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE AISC. "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN" LATEST EDITION.

ALL WIDE FLANGES SHALL CONFORM TO THE ASTM STANDARD A992, GRADE 50 WITH AN MINIMUM YIELD STRENGTH OF 50KSI UNLESS SPECIFICALLY INDICATED ELSEWHERE ON OTHER DRAWINGS.

ALL CONNECTION MATERIAL CONSISTING OF PLATES AND ANGLES SHALL CONFORM TO ASTM STANDARD A36 UNLESS NOTED OTHERWISE.

ALL ANCHOR BOLTS SHALL CONFORM TO ASTM A307 UNLESS NOTED OTHERWISE.

PROVIDE A SHOP COAT OF STANDARD PRIMER PAINT. PRIMER TO BE COMPATIBLE WITH FINISH COAT. TOUCH UP AREAS DAMAGED BY HANDLING AND ERECTION WITH THE SAME PAINT USED FOR SHOP COAT. STEEL SURFACES TO BE WELDED, ENCASED IN FIREPROOFING SHALL NOT BE PAINTED.

5

A-5

TABLE 2306.1
FASTENING SCHEDULE

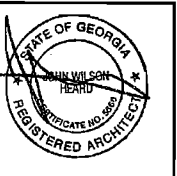
CONNECTION	FASTENER	NUMBER OR SPACING
Joint to band, face nail	16d common	3
Joint to sill or girder, toe nail	8d common	3
Bridging to joist, toe nail each end	8d common	2
Ledger strip	16d common	3 at each joist
1x6 or less subfloor to each joist, face nail	8d common	2
Over 1x6 subfloor to each joist, face nail	8d common	3
2-inch subfloor to joist or girder, blind and face nail	16d common	2
Sole plate to joist or blocking, face nail	16d common	16" o.c.
Top or sole plate to stud, end nail	16d common	2
Stud to sole plate, toe nail	8d common	4
Double top plates, face nail	10d common	24" o.c.
Top plates, top and intersections face nail	10d common	16" o.c.
Continuous header, two pieces	16d common	2-16d or 3-10d common
Ceiling joists to plate, toe nail	8d common	16" o.c. along each end
Continuous header to stud, toe nail	8d common	3
Ceiling joists, tops over partitions, face nail	8d common	3-15d or 4-10d common
Ceiling joist to parallel rafters, face nail	-	3-15d or 4-10d common
Rafter to plate, toe nail	8d common	3
1-inch brace to each stud and plate, face nail	8d common	2
1x6 or less sheathing to each bearing, face nail	8d common	2
Over 1x6 sheathing to each bearing, face nail	8d common	3
Built-up corner studs	16d common	24" o.c.
Built-up girders and beams, of three members	20d common	32" o.c. at top & bottom & staggered 2 ends & of each splice
2-inch planks	16d common	2 each bearing
Studs to sole plate, end nail	16d common	2 each end
Wood structure panel and particleboard subflooring		
15/32", 1/2"	5d common, annular or spiral thread	6" o.c. edges and 12" o.c. intermediate
19/32"-3/4"	8d common or 6d annular or spiral thread	6" o.c. edges and 12" o.c. intermediate
1", 1 1/8"	16d common or 8d annular or spiral thread	6" o.c. edges and 6" o.c. intermediate
15/32", 1/2"	16 ga galv wire staples, 3/8" min crown 1 5/8" length	4" o.c. edges and 7" o.c. intermediate
19/32", 5/8"	16 ga galv wire staples, 3/8" min crown 1 5/8" length	2 1/2" o.c. edges and 4" o.c. intermediate
Wood structure panel and particleboard roof & wall sheathing		
1/2" or less	6d common	6" o.c. edges and 12" o.c. intermediate
19/32" or greater	8d common	6" o.c. edges and 12" o.c. intermediate
5/16"-1/2"	16 ga galv wire staples, 3/8" min crown, length of 1" plus wood structural panel or particleboard thickness	4" o.c. edges and 8" o.c. intermediate
Hardboard top siding over sheathing	10d ⁶ corrosion resistant with minimum shank diameter of 0.099" & min head diam. of 0.240"	16" o.c. at top and bottom edges
Hardboard panel siding direct to studs	6d ⁶ corrosion resistant with minimum shank diameter of 0.092" & min head diam. of 0.225"	6" o.c. at edges and 12" o.c. at intermediate supports
Hardboard panel siding over sheathing	8d ⁶ corrosion resistant with minimum shank diameter of 0.092" & min head diam. of 0.225"	6" o.c. at edges and 12" o.c. at intermediate supports

1 in = 25.4
NOTES:

- Fiberboard sheathing may be stapled using 16 ga galv staples 1 1/8" long for 25/32" sheathing. Staples to have minimum crown of 7/16" and spaced 3" o.c. at edges and 6" o.c. at other bearings.
- Drywall nails shall conform to ASTM C 514.
- Siding applied to 5/8" net wood sheathing, 15/32" wood structural panel or 1/2" particleboard sheathing.
- Corrosion-resistant nails spaced 6" on center at edge and 8" on center at intermediate supports. Nails shall a minimum edge distance of 3/8".
- Siding applied to studs spaced 16" on center maximum.
- Siding applied directly to studs spaced 24" on center maximum.
- Use annular or spiral thread nails for combination subfloor/underlayment.
- Nail must be of sufficient length to accommodate thickness of siding and sheathing, if used, and allow minimum stud penetration of 1 1/2".

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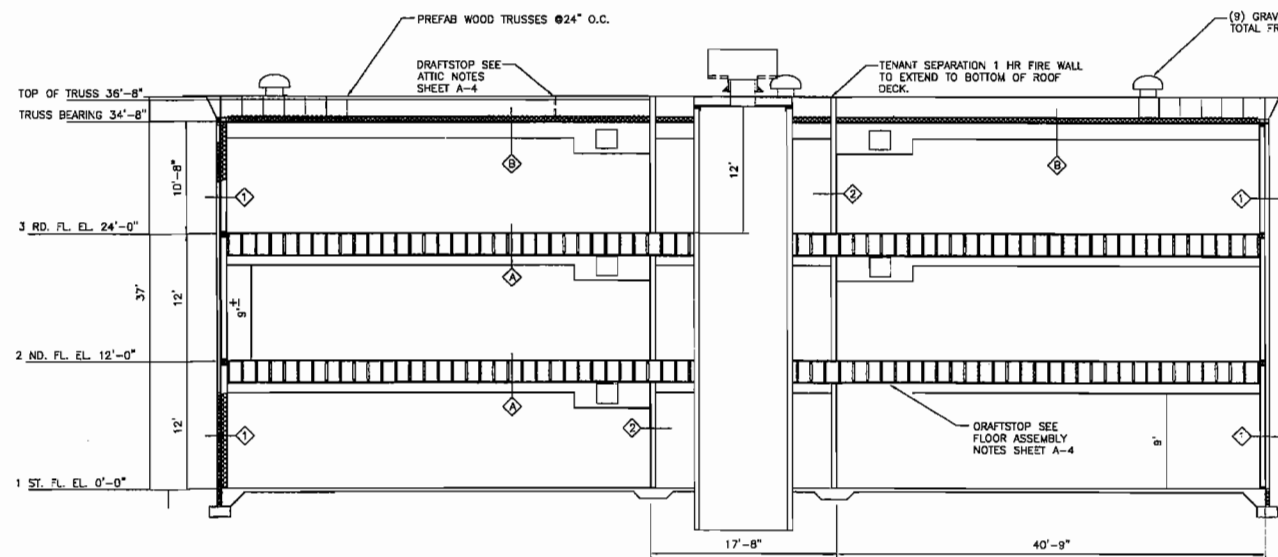


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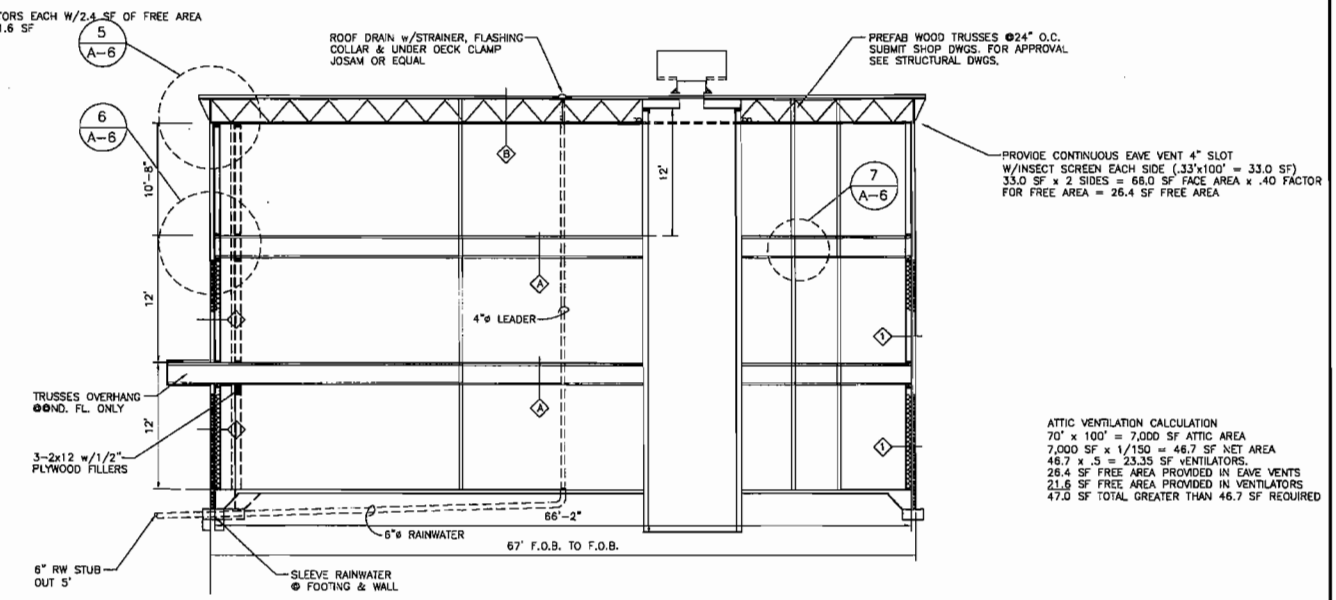
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SCALE AS SHOWN
SHEET TITLE
NOTES &
FASTENING
SCHEDULE

PROJECT NUMBER
06029
A-5
of 8
DRAWING NUMBER



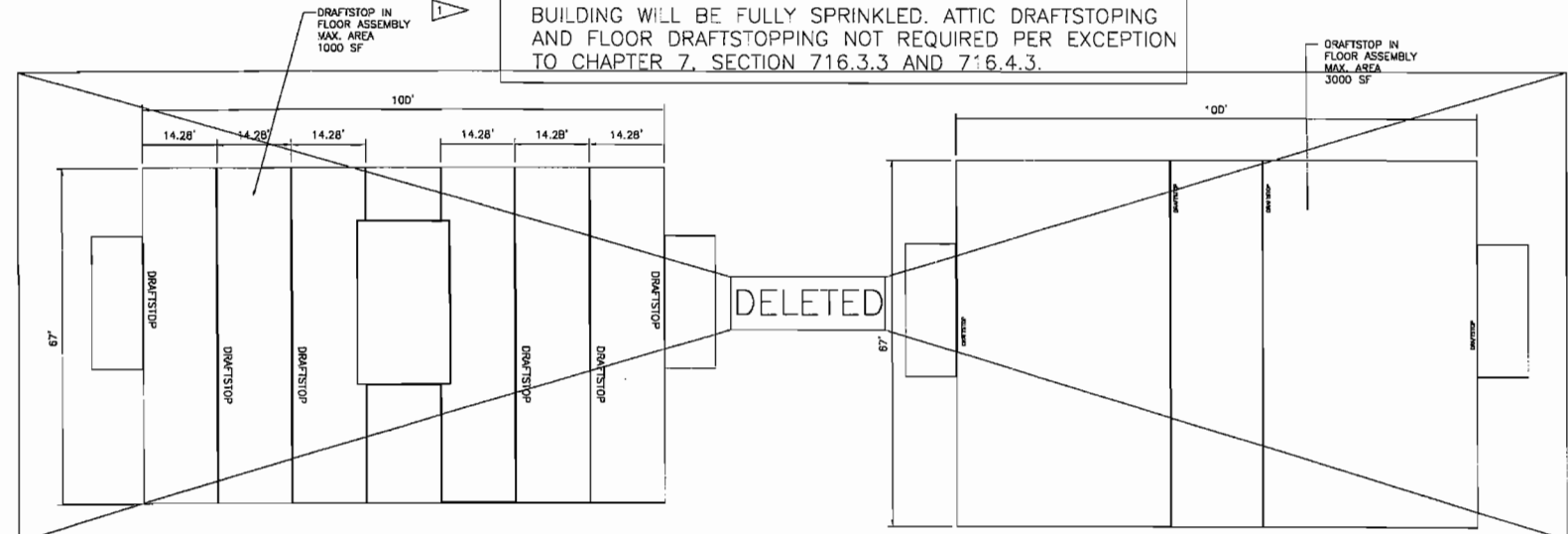
1 SECTION AA
A-6 SCALE: 1/8" = 1' - 0"



2 SECTION BB
A-6 SCALE: 1/8" = 1' - 0"

ATTIC VENTILATION CALCULATION
70' x 100' = 7,000 SF ATTIC AREA
7,000 SF x 1/150 = 46.7 SF NET AREA
46.7 x .5 = 23.35 SF VENTILATORS
26.4 SF FREE AREA PROVIDED IN EAVE VENTS
21.6 SF FREE AREA PROVIDED IN VENTILATORS
47.0 SF TOTAL GREATER THAN 46.7 SF REQUIRED

NOTE:
BUILDING WILL BE FULLY SPRINKLED. ATTIC DRAFTSTOPPING AND FLOOR DRAFTSTOPPING NOT REQUIRED PER EXCEPTION TO CHAPTER 7, SECTION 716.3.3 AND 716.4.3.



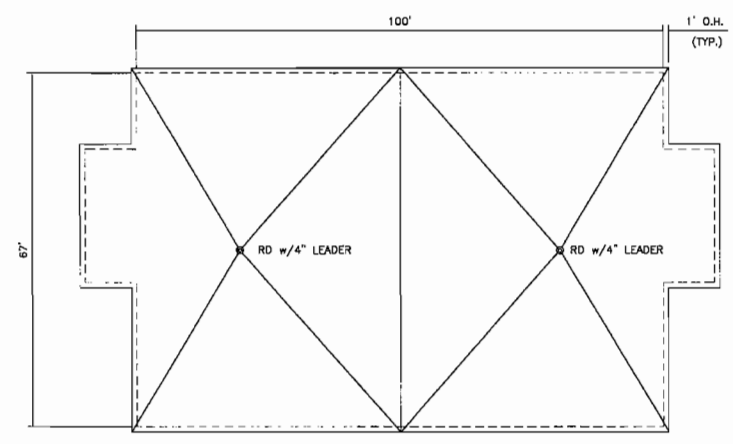
3 FLOOR DRAFTSTOPPING PLAN
A-6 SCALE: 1/16" = 1' - 0"

4 ATTIC DRAFTSTOPPING PLAN
A-6 SCALE: 1/16" = 1' - 0"

NOTE:
SEE 1/A-4 CONSTRUCTION NOTES NOTE 30 FOR WORKING, SPACING, ETC. (MARKING REQUIREMENTS TO IDENTIFY DRAFTSTOPPING AT FLOOR/TRUSSES & AT ALL TENANT SEPARATION LINES.

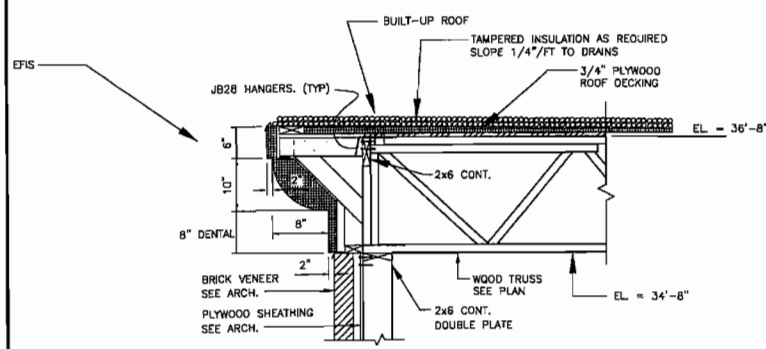
ATTIC NOTES:

- 1.) NOT USED.
- 2.) NOT USED.
- 3.) CONCEALED SPACES SHALL BE PROTECTED IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 101 LIFE SAFETY CODE, CHAPTER 8, SECTION 8.2.7, 2000 EDITION.

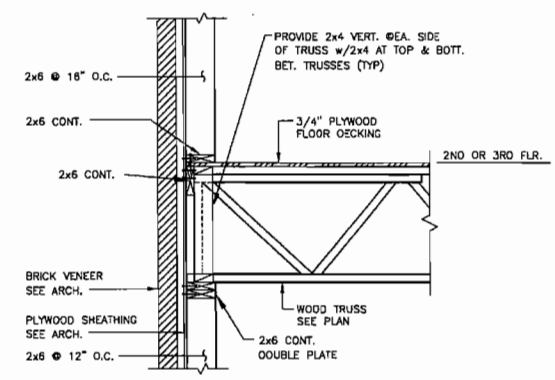


8 ROOF PLAN
A-6 SCALE: 1/16" = 1' - 0"

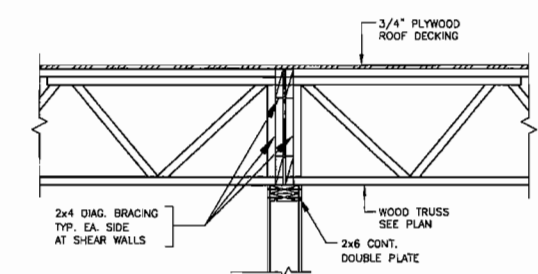
NOTE:
4" VERTICAL LEADER TO INCREASE TO 6" HORIZONTAL DRAIN @ 1/8" FT SLOPE EXTEND 5' BEYOND FRONT OF BLDG. SEE SITE PLAN FOR CONTINUATION.



5 SECTION
A-6 SCALE: 3/4" = 1' - 0"



6 SECTION
A-6 SCALE: 3/4" = 1' - 0"



7 SECTION
A-6 SCALE: 3/4" = 1' - 0"

REVISIONS	NO.	DATE	BY	CHKD	DESCRIPTION
	1	11/08/06	BRW	JWH	FIRE MARSHAL COMMENTS

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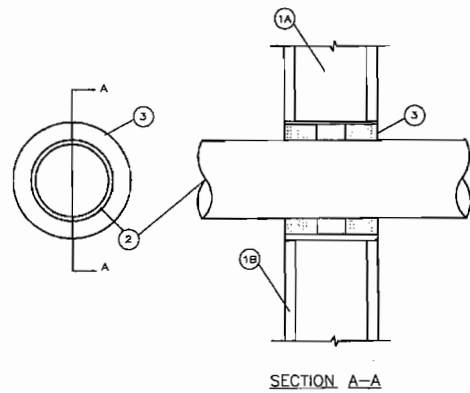
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LAWRENCEVILLE, GEORGIA 30045

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02.01.07	BRW	JWH
SCALE	AS SHOWN	
SHEET TITLE	SECTIONS	

PROJECT NUMBER	06029
DRAWING NUMBER	A-6 of 8

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System No. W-L-1001
(Formerly System No. 147)
F Ratings--1, 2, 3 and 4 Hr (See Items 2 and 3)
Ratings--0, 1, 2, 3, and 4 Hr (See Item 3)
L Rating At Ambient--less than 1 CFM/sq ft
L Rating At 400 F--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 Design: in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs--Wall framing may consist of either wood studs (max 2 h fire rated assemblies) or steel channel studs. Wood studs to consist of nom 2 by 4 in. 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 max 24 in. OC.

B. Wallboard, Gypsum*--Nom 1/2 or 5/8 in. thick, 4 ft. 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 13-1/2 in.

2. Pipe or Conduit--Nom 12 in. diam (or smaller) Schedule 10 (or heavier) steel pipe, nom 12 in. 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) steel electrical metallic tubing, nom 6 in. diam (or smaller) Type L or (or heavier) copper tubing or nom 1 in. diam (or smaller) flexible steel conduit. When copper pipe is used, max F Rating of firestop system (Item 3) is 2 h. Steel pipes or conduits larger than nom 4 in. diam may only be used in walls constructed using steel channel studs. A max of one pipe or conduit is permitted in the firestop 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 1/4 in. diam bead of caulk applied to perimeter of pipe or conduit at its egress from the wall. Caulk installed symmetrically on both sides of wall assembly. The hourly F Rating of the firestop 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 firestop 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:

Max Pipe or Conduit Diam. In	Annular Space, In	r Rating, Hr	F Rating, Hr
1	0 to 3/16	1 or 2	0+, 1 or 2
1	-1/4 to 1/2	3 or 4	3 or 4
4	0 to 1-1/2	1 or 2	0
6	1/4 to 1/2	3 or 4	0
12	3/16 to 3/8	1 or 7	0

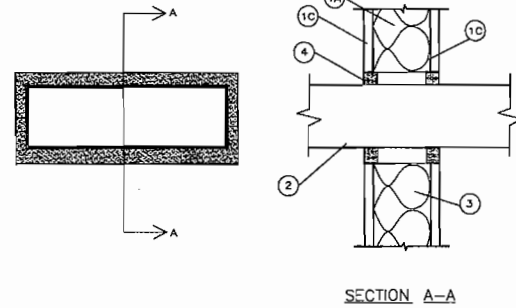
+When copper pipe is used, T Rating is 0 h.
Minnesota Mining & Mfg. Co.--CP 25WB+

*Bearing the UL Classification Marking

1 WALL PENETRATIONS
A-8

NOTE:
INFORMATION SHOWN TAKEN FROM UNDERWRITERS LABORATORIES INC.
DIRECTORY VOLUME 1 & 2 1999 EDITION.

System No. W-L-7001
(Formerly System No. (607)
F Rating - 1 Hr
T Rating - 0 Hr



1. Wall Assembly--The 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 and 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 or steel channel studs. Wood studs to consist of nom 2 by 6 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC.

B. Batts and Blankets*--Nom 1-1/2 in. thick glass fiber batts friction fitted to fill interior of stud cavities.

C. Wallboard, Gypsum*--The gypsum wallboard type, thickness, number of layers and orientation shall be as specified in the individual wall and partition Design. Max area of opening is 48 sq in. with max dimension of 12 in.

2. Air Duct--Prefabricated 24 MSG sheet metal air duct. Max cross sectional area of duct is 30 sq in. with max dimension of 10 in. A min 7/16 to max 1-5/8 in. annular space is required within the firestop system. Air duct to be rigidly supported on both sides of wall assembly.

3. Forming Material*--Min 2-1/2 in. thickness of min 3.5 pcf mineral wool batt insulation firmly packed into opening as a permanent form. Forming material to be recessed from both surfaces of wall to accommodate the required thickness of fill material.
Thermafiber LLC--Type SAF

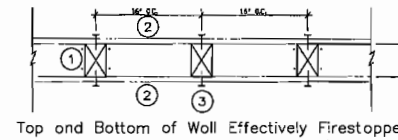
4. Fill, Void or Cavity Material*--Sealant--Min 1/2 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. Dry mix material mixed with water at a rate of 2.1 parts dry mix to 1 lb part water by weight in accordance with the accompanying installation instructions.
United States Gypsum Co.--Type FC

4A. Fill, Void or Cavity Material*--Not Shown--Two component fill material used as an alternate to Item 4. Min 1/2 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. Ready-mixed component mixed with accelerator component at a rate of 66 parts of ready-mixed component to 1 part of accelerator component by weight in accordance with the accompanying installation instructions.
United States Gypsum Co.--Type RFC

*Bearing the UL Classification Marking

2 WALL PENETRATIONS
A-8

Design No. U314
Bearing Wall Rating--1 HR.
Finish Rating--26 Min.



Top and Bottom of Wall Effectively Firestopped

1. Wood studs--Nom 2 by 6 in., spaced 16" in. OC, effectively fire stopped.
2. Wallboard, Gypsum*--5/8 in. thick, 4 ft wide. Wallboard or lath nailed to studs and bearing plates 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 1/4 in. diam head.
Canadian Gypsum Company--Types AR, IP-XI, SCX, SHX, WRX, FRX.
National Gypsum Co., Riyadh, Saudi Arabia--Type FR or WR.
United States Gypsum Co.--Type AR, IP-XI, SCX, SHX or WRX, FRX.
Yeso Panamericano SA de CV--Type AR, IP-XI, SCX, SHX or WRX.

2A. Wallboard, Gypsum*--(As an alternate to Item 2)--Nom 3/4 in. thick, 4 ft wide, installed as described in Item 2.
Canadian Gypsum Company--Type AR.
United States Gypsum Co.--Type AR.
Yeso Panamericano SA de CV--Type AR.

3. Joints and Nailheads--Wallboard joints covered with paper tape and joint compound. Nailheads covered with joint compound. As an alternate, nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced.

4. Steel Corner Fasteners--(Optional)--For use at wall corners. Channel shaped, 2 in. long by 1 in. high on the back side with two 1/8 in. wide cleats protruding into the 5/8 in. wide channel, fabricated from 24 gauge galv steel. Fasteners applied only to the end or cut edge (not along tapered edges) of the wallboard, no greater than 2 in. from corner of wallboard, max spacing 16 in. OC. Nailed to adjacent stud through tab using one No. 6d cement coated nail per fastener. Corners of wallboard shall be nailed to top and bottom plate using No. 6d cement coated nails.

5. Batts and Blankets*--(Optional, Not Shown)--Mineral wool insulation placed in stud cavities.
Thermafiber LLC--Type SAFB.

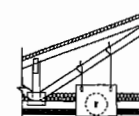
*Bearing the UL Classification Marking.

NOTE:
SHAFT ENCLOSURE WALLS SHALL EXTEND FULL HEIGHT FROM THE TOP OF FLOOR ASSEMBLY BELOW TIGHT TO UNDERSIDE OF ROOF DECK AND SHALL CONTINUE THROUGH CONCEALED SPACES INCLUDING BUT NOT LIMITED TO THOSE ABOVE CEILING. ALTERNATIVELY, A SHAFT ENCLOSURE THAT DOES NOT FULLY EXTEND TO THE UNDERSIDE OF THE ROOF DECK SHALL BE ENCLOSED AT THE TOP WITH CONSTRUCTION OF THE SAME FIRE-RESISTANCE RATING AS THE UPPERMOST FLOOR PENETRATED BY THE SHAFT WHICH SHALL NOT BE LESS THAN THE FIRE-RESISTANCE RATING REQUIRED FOR THE SHAFT ENCLOSURE.

3 WALL
A-8

Gypsum Wallboard Floor/Ceiling - Wood Framing (wood joists with rough and finished floor)			
No. Fire Rating	Ref. Design No.	Description	STC Test No. IIC
GYPSUM WALLBOARD ROOF/CEILING - WOOD FRAMING (PITCHED ROOF TRUSS)			

B 1 hr. UL L258

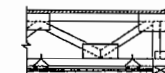


1 HOUR RATING - CEILING/ROOF ASSEMBLY BASE LAYER 5/8" GYPSUM WALLBOARD (OR 1/2" TYPE X - TABLE 709.2.2.4B) APPLIED PERPENDICULAR TO WOOD TRUSSES 24" O.C. WITH 1-1/4" TYPE S DRYWALL SCREWS 24" O.C. FACE LAYER 5/8" GYPSUM WALLBOARD (OR 1/2" TYPE X - TABLE 709.2.1.4B) APPLIED PERPENDICULAR TO WOOD TRUSSES WITH 1-7/8" TYPE S DRYWALL SCREWS 12" O.C. AND 1-3/4" TYPE G DRYWALL SCREWS 12" O.C. PLACED 3" BACK FROM EITHER SIDE OF END JOINTS. JOINTS OFFSET 24" FROM BASE LAYER JOINTS. ON PRE-ENGINEERED TRUSSES WITH CHORD AND WEB MEMBERS FABRICATED FROM 2X4 LUMBER WITH 20 GAGE STEEL CONNECTOR PLATES HAVING A MINIMUM TOOTH LENGTH OF 5/16". PLATE DESIGN VALUES BASED UPON SAFETY FACTOR OF 4. TRUSSES TO HAVE MINIMUM DEPTH OF 12" (OR EQUELVANT TRUSSES TO BE INSPECTOR VERIFIED PRIOR TO CLOSING) (IF REQUIRED, 19/32" T&G PLYWOOD SUBFLOORING WITH EXTERIOR GLUE APPLIED AT RIGHT ANGLES TO TOP OF TRUSSES WITH 6D COMMON NAILS 6" O.C. PLYWOOD END JOINTS STAGGERED 48" RC 260; (1 HOUR RATED).

CEILING/ROOF
B

SINGLE LAYER(FLOOR TRUSS)

A 1 hr. UL L258



1 HOUR RATING - FLOOR/CEILING ASSEMBLY ONE LAYER 5/8" PROPRIETARY TYPE X GYPSUM WALLBOARD BASE APPLIED AT RIGHT ANGLES TO RIGID FURRING CHANNELS 24" O.C. WITH 1" TYPE S DRYWALL SCREWS 12" O.C. AND LOCATED 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 EXISTING 12" DEEP PARALLEL CHORD WOOD TRUSSES 24" O.C. WITH DOUBLE STRAND, 18 GAGE GALVANIZED STEEL WIRE TIES 48" O.C. WOOD TRUSSES SUPPORTING 3/4" NOMINAL PLYWOOD WITH EXTERIOR GLUE, T&G EDGES, APPLIED AT RIGHT ANGLES TO TOP OF TRUSSES WITH CONSTRUCTION ADHESIVE AND 10D RING SHANK NAILS 6" ALONG EDGES & 12" O.C. ALONG INTERMEDIATE SUPPORTS ADHESIVE APPLIED TO EACH TOP CHORD AND GROOVED EDGES OF PLYWOOD. PLYWOOD END JOINTS STAGGERED 48". UL DESIGN L 258 (2 HOUR RATED).

FLOOR/CEILING
A

4 ASSEMBLIES
A-8

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SHEET TITLE
FIRE DESIGN DETAILS

PROJECT NUMBER
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A-8
of 8
DRAWING NUMBER

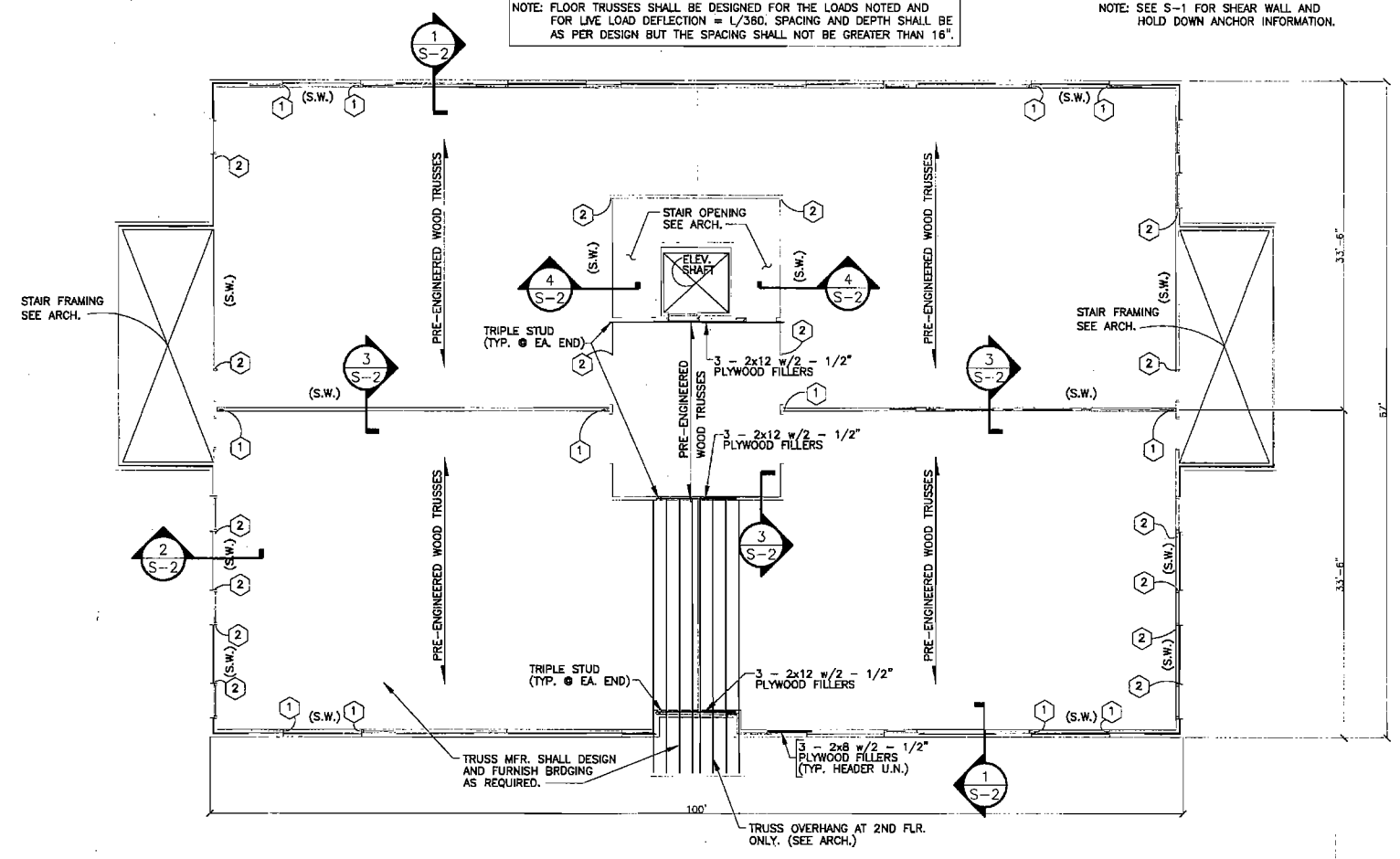
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Structural Engineer
5875 Heritage Lane
Stone Mountain, GA 30087
(770) 921-0112

REVISIONS	NO.	DATE	BY	CHKD	DESCRIPTION

NOTE: FLOOR TRUSSES SHALL BE DESIGNED FOR THE LOADS NOTED AND FOR LIVE LOAD DEFLECTION = L/360. SPACING AND DEPTH SHALL BE AS PER DESIGN BUT THE SPACING SHALL NOT BE GREATER THAN 16".

NOTE: SEE S-1 FOR SHEAR WALL AND HOLD DOWN ANCHOR INFORMATION.



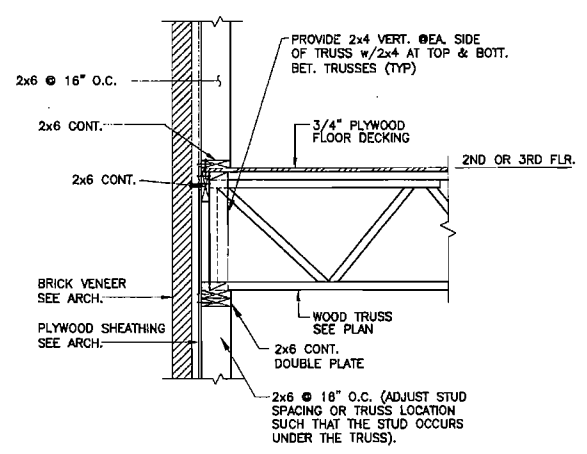
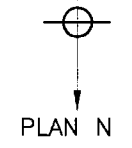
LINTEL SCHEDULE	
STEEL LINTEL	
MAXIMUM SPAN	SIZE FOR EACH 4" WYTHE OF BRICK
4'-0"	L4x4x1/4
5'-0"	L4x4x5/16
6'-0"	L6x4x5/16 (LLV)
7'-0"	L7x4x3/8 (LLV)

LINTEL NOTES:
1. MINIMUM OF 8" BEARING REQUIRED AT EACH END.

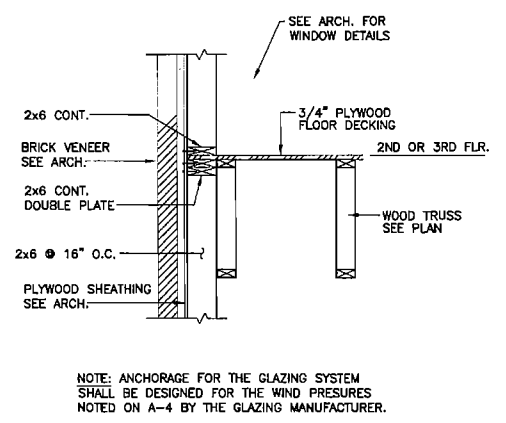
KEY NOTES:
1. SIMPSON HD8A ANCHORS WITH DOUBLE STUD, TYP AT ENDS OF ALL E-W SHEAR WALLS U.M.
2. SIMPSON HD14A ANCHORS WITH TRIPLE STUD, TYP AT ENDS OF ALL N-S SHEAR WALLS.

2ND & 3RD FLOOR FRAMING PLAN

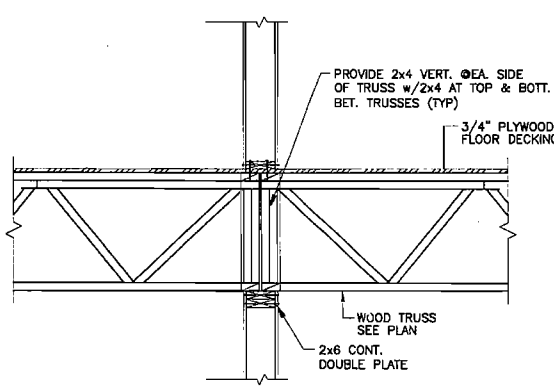
SCALE: 1/8" = 1'-0"
NOTE: FIN. 2ND FLOOR ELEV. = 12'-0"
FIN. 3RD FLOOR ELEV. = 24'-0"



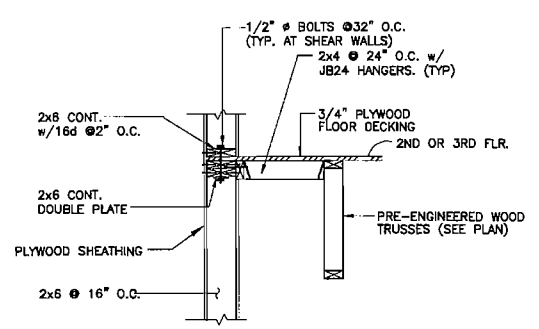
SECTION 1
SCALE: 3/4" = 1'-0"



SECTION 2
SCALE: 3/4" = 1'-0"



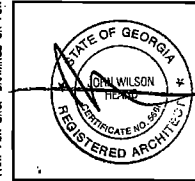
SECTION 3
SCALE: 3/4" = 1'-0"



SECTION 4
SCALE: 3/4" = 1'-0"

NOTE: ANCHORAGE FOR THE GLAZING SYSTEM SHALL BE DESIGNED FOR THE WIND PRESURES NOTED ON A-4 BY THE GLAZING MANUFACTURER.

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2ND & 3RD FLOOR FRAMING PLAN		

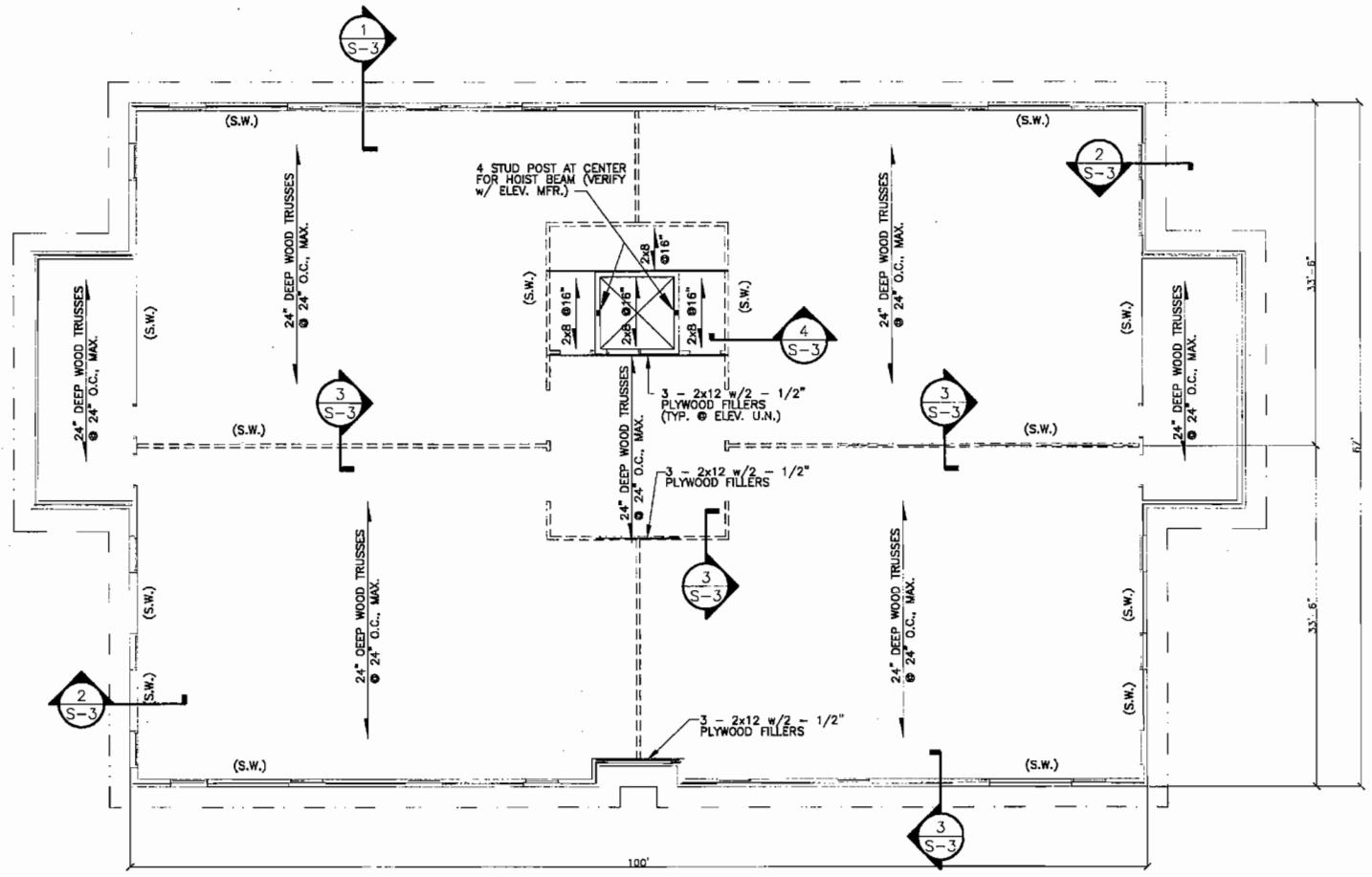
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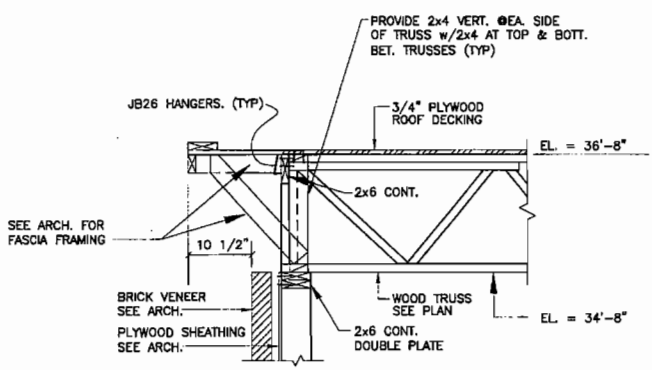
REVISIONS	NO.	DATE	BY	CHKD	DESCRIPTION



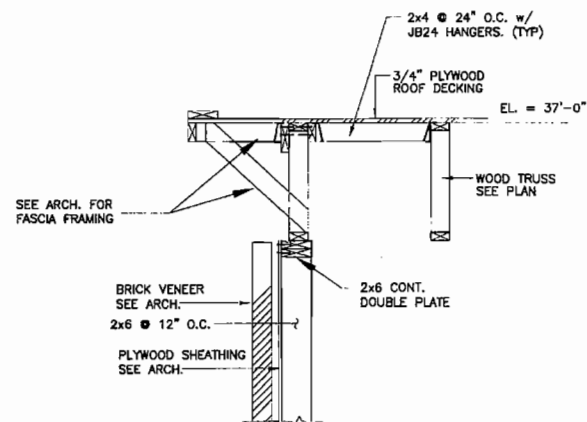
ROOF FRAMING PLAN

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

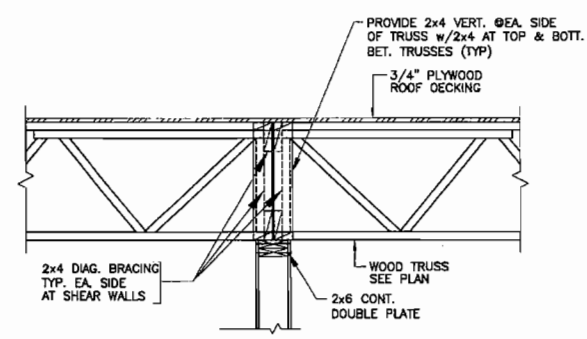
NOTE: TRUSS BEARING ELEV. = 34'-8"



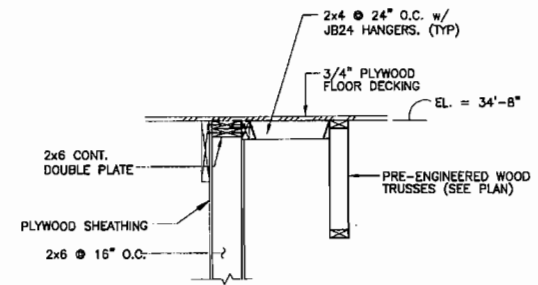
SECTION 1
SCALE: 3/4" = 1'-0"



SECTION 2
SCALE: 3/4" = 1'-0"

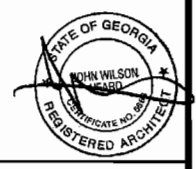


SECTION 3
SCALE: 3/4" = 1'-0"



SECTION 4
SCALE: 3/4" = 1'-0"

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10.31.06	FT	SC
SCALE AS SHOWN		
SHEET TITLE		
ROOF FRAMING PLAN		

PROJECT NUMBER
06029
S-3
DRAWING NUMBER

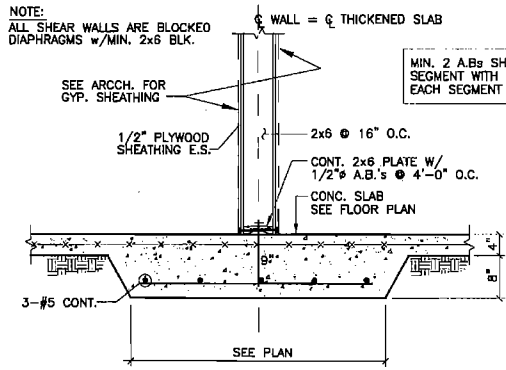
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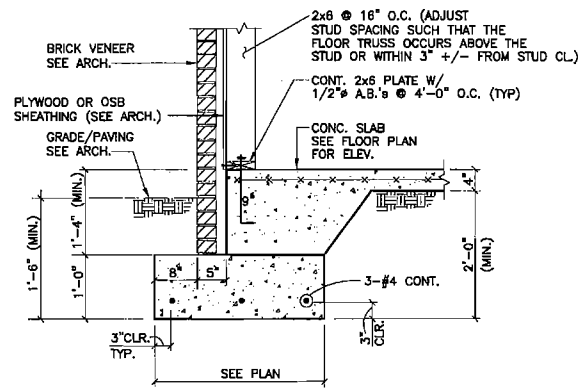
NO.	DATE	BY	CHKD.	DESCRIPTION

FASTENER SCHEDULE FOR INTERIOR AND EXTERIOR SHEAR WALLS UNLESS NOTED:
10d @ 4" AT BOUNDARIES, 10d @ 6" AT ALL EDGES AND 10d @ 12" AT ALL INTERMEDIATE SUPPORTS.



SECTION 2
SCALE: 3/4" = 1'-0"
S-4

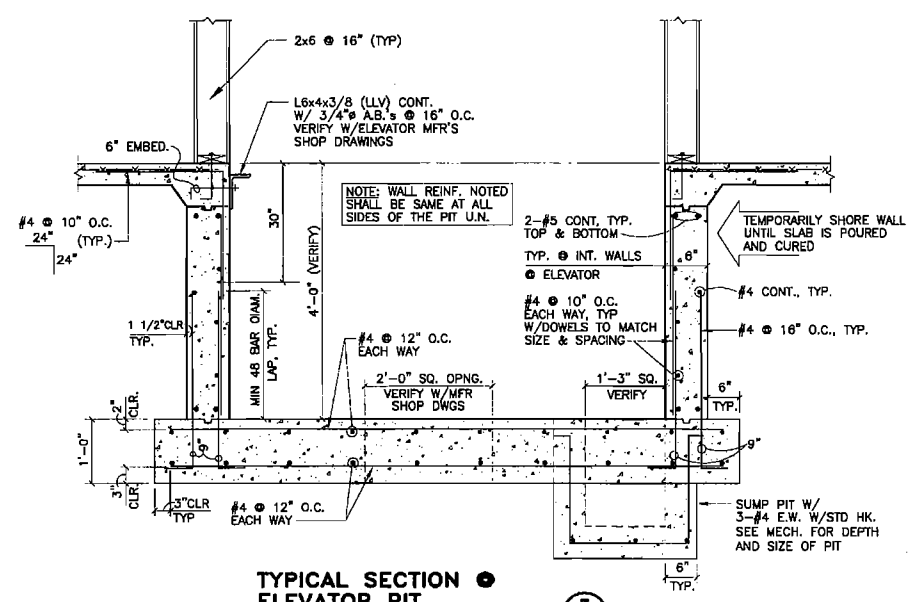
MIN. 2 A.B.s SHALL BE USED PER SILL PLATE SEGMENT WITH ONE BOLT LOCATED FROM END OF EACH SEGMENT AT LEAST 4" BUT NOT MORE THAN 12"



SECTION 1
SCALE: 3/4" = 1'-0"
S-4

GENERAL NOTES:

- ALL ROOF TRUSSES SHALL BE ATTACHED TO WALLS WITH SIMPSON H3 HURRICANE TIES AT EACH END.
- ALL ROOF TRUSSES SHALL BE DESIGNED BY A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF GEORGIA AND BEAR HIS SEAL.
- ROOF DECKING SHALL BE ATTACHED TO TRUSSES WITH 10d NAILS AT 6" O.C. ALONG EDGES AND AT 12" O.C. ALONG INTERMEDIATE SUPPORTS UNLESS NOTED. BLOCK ALL EDGES.
- FLOOR TRUSSES SHALL BE DESIGNED BY A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF GEORGIA. TRUSSES SHALL BE DESIGNED FOR THE LOADS NOTED ON THE DRAWINGS. LIVE LOAD DEFLECTION SHALL BE SPAN/360.
- ALL EXTERIOR ROOF SHEATHING SHALL BE 3/4" APA RATED PLYWOOD SHEATHING WITH 10d NAILS AT 6" O.C. ALONG EDGES AND AT 12" O.C. ALONG INTERMEDIATE SUPPORTS. BLOCK ALL EDGES.
- ALL EXTERIOR AND INTERIOR LOAD BEARING WALLS SHALL BE 2x6 @ 16" O.C. UNLESS NOTED ON PLAN/SECTIONS, WITH BLOCKING AT MID POINT. USE #2 DENSE SOUTHERN PINE.
- SEE TYPICAL DETAILS FOR FLOOR JOINT DETAIL.
- ALL CONCRETE SHALL BE 3000 PSI NORMAL WEIGHT. COMPRESSIVE TESTS SHALL BE MADE AVAILABLE ON SITE TO THE INSPECTOR.
- ALL HARDWARE (BOLTS, HANGERS, STRAPS, ETC.) FOR CONNECTION BETWEEN PRE-ENGINEERED TRUSSES AND FLOOR JOISTS SHALL BE DESIGNED AND SPECIFIED BY THE TRUSS DESIGN ENGINEER.
- PRE-ENGINEERED TRUSSES SHALL BE BRACED IN ACCORDANCE WITH TRUSS TRUSS PLATE INSTITUTE "HANDLING, INSTALLATION AND BRACING METAL PLATE CONNECTED WOOD TRUSSES (H18-91).
- ALL PRE-ENGINEERED TRUSS SHOP DRAWINGS SHALL BE AVAILABLE AT THE JOB SITE DURING TIMES OF INSPECTION AND SHALL BEAR CLEAR INDICATION THAT THEY HAVE BEEN REVIEWED AND APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.
- FOOTINGS HAVE BEEN DESIGNED FOR AN ALLOWABLE SOIL BEARING CAPACITY OF 2000 PSF AND SHALL BE VERIFIED AT THE TIME OF EXCAVATION.
- STEEL LINTELS SUPPORTING BRICK SHALL BE L3 1/2x3 1/2x1/4 AND 5" MINIMUM BEARING AT ENDS.
- PROVIDE 2x6 BLOCKING ALONG PERIMETER EDGE OF ALL FLOOR SHEATHING.
- ALL FLOOR AND ROOF FRAMING SHALL BE ATTACHED TO PERIMETER WALLS WITH 10d NAILS AT 6" O.C.
- ALL UNSUPPORTED EDGES EXTERIOR SHEATHING SHALL BE BACKED WITH 2x6 BLOCKING.
- EXTERIOR SHEAR WALLS SHALL BE AS NOTED ON S-1 & S-2.
- THE TRUSS MANUFACTURER SHALL DESIGN THE WOOD FLOOR TRUSSES FOR A CONCENTRATED LOAD OF 2000 LBS UNIFORMLY DISTRIBUTED OVER AN AREA OF 2.5 SQUARE FEET OR MEET THE REQUIREMENTS OF UNIFORM LOADS ON DESIGN LOAD TABLES, WHICHEVER CONTROLS.
- PLYWOOD DECK SHALL BE ATTACHED TO WOOD FLOOR JOISTS WITH 10d x2 1/2" NAILS AT 6" O.C. ALONG EDGES AND AT 12" O.C. ALONG INTERMEDIATE SUPPORTS.
- THE BOTTOM OF ALL FOOTINGS SHALL BE A MINIMUM OF 12" BELOW TOP OF FINISH GRADE.
- ALL HALLOW STEEL SECTION (TUBES, PIPES) SHALL CONFORM TO ASTM A500 GRADE B WITH A MINIMUM YIELD STRENGTH OF 46 KSI AND 42 KSI RESPECTIVELY.
- ALL WOOD WHICH IS EITHER EMBEDDED IN EARTH OR CONCRETE OR PLACED ON CONCRETE IN DIRECT CONTACT WITH EARTH SHALL BE PRESERVATIVE TREATED.
- COMPLETE SHOP DRAWINGS FOR INTERIOR WOOD STAIRS SHALL BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF GEORGIA AND BEAR HIS SEAL TO BE MADE AVAILABLE AT JOB SITE DURING TIMES OF INSPECTION.
- ALL HEADERS SHALL BE S. P. #2 DENSE OR BETTER.
- COMPLETE SHOP DRAWINGS FOR CONSTRUCTION OF ALL APPLICABLE SPECIALTY ITEMS INCLUDING BUT NOT LIMITED TO CURTAIN WALL GLAZING SYSTEMS, ORNAMENTAL GAURDRAIL, AND STAIRS SHALL BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF GEORGIA AND SHALL BE AVAILABLE AT THE JOB SITE DURING TIMES OF INSPECTION.
- DECK FOR STAIR LANDING AND BALCONY FLOOR SHALL BE 9/16" DEEP, 28 GAUGE GALVANIZED CORRUGATED PERMANENT STEEL FORMS. DECK SHALL BE WELDED TO SUPPORTING STEEL MEMBERS WITH WELDING WASHERS ACCORDING TO 30/4 PATTERN.



**TYPICAL SECTION 3
ELEVATOR PIT**
SCALE: 3/4" = 1'-0"
S-4

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