

**CONTRACTOR NOTE:**  
COORDINATE DIMENSIONS OF NEW MASONRY OPENINGS WITH REQUIREMENTS FOR WINDOWS AND ROLLING DOORS.

**CONCRETE NOTES**

- ALL CONCRETE WORK SHALL COMPLY WITH THE LATEST RECOMMENDATIONS OF THE AMERICAN CONCRETE INSTITUTE (ACI) AND THE LOCAL BUILDING CODES.
- ALL CONCRETE SHALL BE NORMAL WEIGHT AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS, WITH THE FOLLOWING REQUIREMENTS:
  - PORTLAND CEMENT - ASTM C150, TYPE OR II, 5 SACKS/CY
  - AGGREGATE - ASTM C33, MAXIMUM SIZE 3/4"
  - WATER - POTABLE; MAXIMUM WATER/CEMENT RATIO = 0.49
  - SLUMP - 2" TO 4"
  - ADMIXTURES - AIR ENTRAINING AGENT, ASTM C260 - 4-6% AIR
  - DESIGN MIX - SUBMIT A CURRENT DESIGN MIX WITH 28-DAY STRENGTH TESTS TO THE ENGINEER FOR APPROVAL.
- ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60.
- REINFORCEMENT SHALL BE SECURELY TIED IN PLACE DURING POURING OPERATIONS USING APPROVED CHAIRS AND SPACERS AS REQUIRED. USE BOLSTERS AND HIGH CHAIRS TO HOLD REINFORCING IN PLACE; THE USE OF CONCRETE BRICKS SHALL NOT BE ALLOWED.
- FREE FALL FROM MIXER OR TRUCK TO CONVEYANCE SHALL NOT EXCEED 3'. WHEN PLACING CONCRETE IN FINAL POSITION, THE FREE FALL SHALL NOT EXCEED 4'. THE HORIZONTAL DISTRIBUTION OF CONCRETE BY SPADING OR VIBRATION IS PROHIBITED.
- PROPER VIBRATION OF CONCRETE IS VERY IMPORTANT IN THE PLACEMENT OF CONCRETE. THE CONCRETE CONTRACTOR SHALL MAKE PROMISION FOR BACK-UP VIBRATION EQUIPMENT.

**STRUCTURAL STEEL NOTES**

- STEEL MATERIALS SHALL CONFORM TO THE FOLLOWING:
 

STRUCTURAL SHAPES	ASTM A36, FY = 36,000 PSI
BOLTS	ASTM A325
STRUCTURAL TUBING	ASTM A500, GRADE B, FY = 46,000 PSI
- ALL STRUCTURAL STEEL SHALL BE SHOP PAINTED (MINIMUM 2 MILS DRY FILM THICKNESS) WITH AN APPROVED RUST INHIBITIVE PRIME PAINT. STEEL SHALL BE THOROUGHLY CLEANED PRIOR TO PAINTING. FIELD TOUCH UP WITH THE SAME PAINT WILL BE REQUIRED.
- ALL SHOP AND FIELD CONNECTIONS SHALL BE BOLTED OR WELDED, AS INDICATED ON THE DRAWINGS. BOLTS SHALL BE 3/4" DIAMETER MINIMUM WITH OPEN HOLES 1/16" LARGER EXCEPT FOR COLUMN GROUT PLATES WHICH ARE 3/16" LARGER AND COLUMN BASE PLATES WHICH ARE 5/16"
- THE CONTRACTOR SHALL SUBMIT SHOP TO THE ARCHITECT FOR REVIEW PRIOR TO FABRICATION FOR THE FOLLOWING ITEMS:
 

STRUCTURAL STEEL BEAMS, COLUMNS, CONNECTIONS
MISCELLANEOUS STEEL

**WOOD CONSTRUCTION NOTES**

- LUMBER FOR MISCELLANEOUS WOOD FRAMING AND BLOCKING SHALL BE SPRUCE-PINE-FIR, CONSTRUCTION GRADE AND BETTER WITH A MINIMUM BENDING STRESS OF 775 PSI.
- ALL LUMBER IN CONTACT WITH EXISTING CONCRETE SHALL BE PRESSURE TREATED SOUTHERN YELLOW PINE.
- FLOOR JOISTS SHALL BE TJI/PRO 250 SERIES MANUFACTURED BY TRUS JOIST OR EQUIVALENT BY GEORGIA PACIFIC. SUBMIT MANUFACTURER'S CUT SHEETS PRIOR TO CONSTRUCTION.
- JOIST HANGERS USED FOR FLUSH FRAMING SHALL BE SIMPSON ITT9.5 OR APPROVED EQUAL.
- PLYWOOD SHEATHING SHALL BE STANDARD C-D INT-EPPA WITH EXTERIOR GLUE.
- ALL WOOD FRAMING CONSTRUCTION SHALL BE ERECTED TRUE TO LINE AND DIMENSIONS, WELL FASTENED AND PROPERLY BRACED.

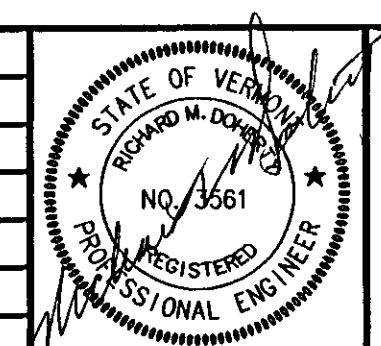
FOOTING SCHEDULE		
MARK	SIZE	REINFORCING
F1	3'-0" x 3'-0" x 10"	(4) #4 EACH WAY
F2	2'-0" x 2'-0" x 10"	(3) #4 EACH WAY

**MEZZANINE DESIGN LOADS**  
LIVE LOAD = 125 psf  
DEAD LOAD = 10 psf  
TOTAL LOAD = 135 psf

**FRAMING PLAN**  
SCALE: 1/4" = 1'-0"  
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**PIPE PENETRATIONS**  
1. PIPE PENETRATIONS THROUGH STEEL BEAMS SHALL BE IN ACCORDANCE WITH DETAIL 3/S-2.  
2. PIPE PENETRATIONS THROUGH TJI'S SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S STANDARD DETAILS AND SPECIFICATIONS. TJI'S ARE MANUFACTURED WITH 1 1/2" DIAMETER KNOCKOUTS AT 12" O.C. CUT ADDITIONAL HOLES AS REQUIRED.

Date	Revision	Date	Revision



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**FRAMING PLAN**  
**BENNINGTON AOT**  
**BENNINGTON, VERMONT**

Sheet Number  
**S-1**