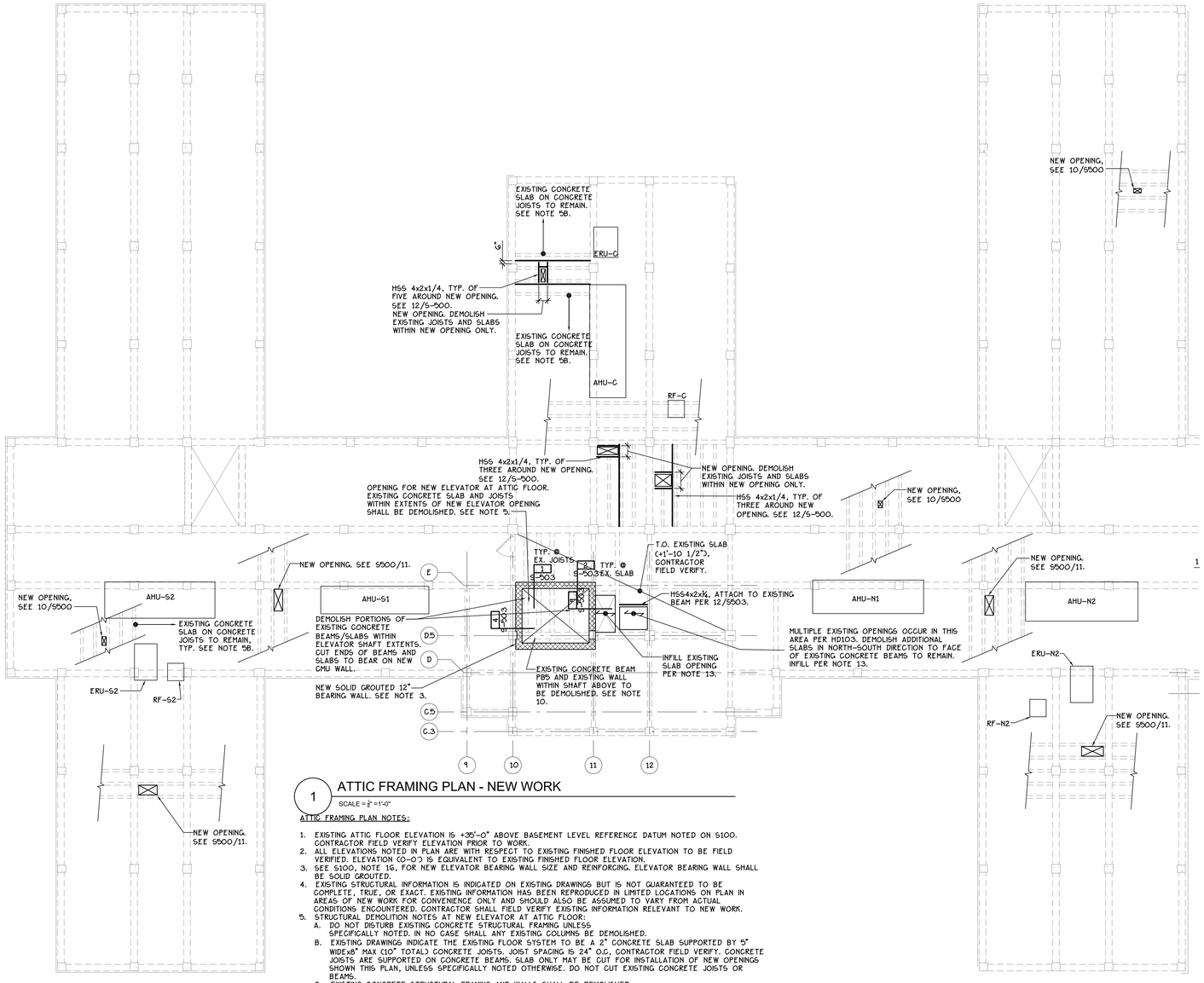


1 ATTIC FRAMING PLAN - NEW WORK

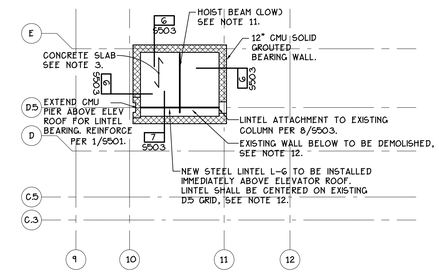
SCALE = 1/8" =1'-0"

ATTIC FRAMING PLAN NOTES:

1. EXISTING ATTIC FLOOR ELEVATION IS +35'-0" ABOVE BASEMENT LEVEL REFERENCE DATUM NOTED ON S100. CONTRACTOR FIELD VERIFY ELEVATION PRIOR TO WORK.
2. ALL ELEVATIONS NOTED IN PLAN ARE WITH RESPECT TO EXISTING FINISHED FLOOR ELEVATION TO BE FIELD VERIFIED. ELEVATION (0-0") IS EQUIVALENT TO EXISTING FINISHED FLOOR ELEVATION.
3. SEE S100, NOTE 16, FOR NEW ELEVATOR BEARING WALL SIZE AND REINFORCING. ELEVATOR BEARING WALL SHALL BE SOLID GROUTED.
4. EXISTING STRUCTURAL INFORMATION IS INDICATED ON EXISTING DRAWINGS BUT IS NOT GUARANTEED TO BE COMPLETE, TRUE, OR EXACT. EXISTING INFORMATION HAS BEEN REPRODUCED IN LIMITED LOCATIONS ON PLAN IN AREAS OF NEW WORK FOR CONVENIENCE ONLY AND SHOULD ALSO BE ASSUMED TO VARY FROM ACTUAL CONDITIONS ENCOUNTERED. CONTRACTOR SHALL FIELD VERIFY EXISTING INFORMATION RELEVANT TO NEW WORK.
5. STRUCTURAL DEMOLITION NOTES AT NEW ELEVATOR AT ATTIC FLOOR:
   A. DO NOT DISTURB EXISTING CONCRETE STRUCTURAL FRAMING UNLESS SPECIFICALLY NOTED. IN NO CASE SHALL ANY EXISTING COLUMNS BE DEMOLISHED.
   B. EXISTING DRAWINGS INDICATE THE EXISTING FLOOR SYSTEM TO BE A 2" CONCRETE SLAB SUPPORTED BY 5" WIDEx8" MAX (10" TOTAL) CONCRETE JOISTS. JOIST SPACING IS 24" O.C. CONTRACTOR FIELD VERIFY. CONCRETE JOISTS ARE SUPPORTED ON CONCRETE BEAMS. SLAB ONLY MAY BE CUT FOR INSTALLATION OF NEW OPENINGS SHOWN THIS PLAN, UNLESS SPECIFICALLY NOTED OTHERWISE. DO NOT CUT EXISTING CONCRETE JOISTS OR BEAMS.
   C. EXISTING CONCRETE STRUCTURAL FRAMING AND WALLS SHALL BE DEMOLISHED WITHIN EXTENTS OF NEW ELEVATOR OPENING. SHORE FRAMING TO BE CUT PRIOR TO BEGINNING DEMOLITION.
   D. ROOF FRAMING ABOVE IS SUPPORTED ON EXISTING WALL TO BE PARTIALLY DEMOLISHED. SHORE EXISTING WALL ABOVE AND ROOF FRAMING ABOVE UNTIL NEW LINTEL BEAM IS IN PLACE. SEE ALSO NOTE 10.
   E. SAW CUT EXISTING CONCRETE STRUCTURAL FRAMING AT NEW ELEVATOR SHAFT OPENING TO ALLOW 6" BEARING OF EXISTING FRAMING ON NEW CMU BEARING WALL. NEW BEARING WALL IS INTENDED TO SUPPORT EXISTING CUT CONCRETE JOISTS AND SLAB. INSTALL TOP OF NEW BEARING WALL AT EACH FLOOR WITHIN JOIST/SLAB PROFILE. CONTRACTOR NOTE TOP OF WALL AT EACH FLOOR WILL VARY DUE TO THE CONCRETE JOIST AND SLAB PROFILE.
   E. SHORING SHALL NOT BE REMOVED UNTIL CMU WALL IS IN PLACE AND GROUT HAS REACHED FULL STRENGTH.
6. DEMOLITION MAY REQUIRE RELOCATION OF EXISTING MECHANICAL, PLUMBING, ELECTRICAL, OR OTHER EQUIPMENT/PIPES IN THE CEILING. RELOCATE AS REQUIRED FOR INSTALLATION OF NEW ELEVATOR. ALL EQUIPMENT/PIPES SHALL REMAIN FULLY OPERATIONAL DURING CONSTRUCTION UNLESS OWNER PROVIDES DIRECTION, IN WRITING, OTHERWISE.
7. SEE ARCHITECTURAL AND/OR MECHANICAL DRAWINGS FOR:
   A. DEMOLITION DRAWINGS.
   B. SIZE AND LOCATION OF SLAB OPENINGS AND/OR MECHANICAL SLEEVES. SEE S500 FOR TYPICAL NEW OPENING IN EXISTING STRUCTURE DETAILS.
   C. EQUIPMENT CURBS, RAILS, AND SUPPORTS: EQUIPMENT PROVIDER SHALL INCLUDE ALL CURBS, RAILS, AND SUPPORTS REQUIRED, CONTRACTOR COORDINATE.
8. VERIFY ALL DIMENSIONS WITH THE ARCHITECTURAL DRAWINGS. REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR REVIEW.
9. ALL EXISTING DIMENSIONS RELEVANT TO NEW WORK SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO SUBMISSION OF SHOP DRAWINGS.
10. LINTEL FOR 2/S-103 SHALL BE INSTALLED PRIOR TO DEMOLITION OF EXISTING WALL. EXISTING WALL IS SUPPORTING ROOF FRAMING ABOVE. SHORE ROOF FRAMING BEARING ON EXISTING WALL AS REQUIRED FOR INSTALLATION OF NEW LINTEL. NOTE NEW CMU BARING WALL BELOW MUST ALSO BE IN PLACE PRIOR TO NEW LINTEL INSTALLATION, CONTRACTOR SEQUENCE OPERATIONS AS REQUIRED.
11. CONTRACTOR'S MEANS AND METHODS, INCLUDING BUT NOT LIMITED TO PLACING NEW STRUCTURE OR EQUIPMENT IN THE EXISTING BUILDING, MAY REQUIRE ADDITIONAL STRUCTURAL DEMOLITION AND REBUILD NOT SHOWN ON THE DRAWINGS. CONTRACTOR SHALL PROVIDE FOR ALL ADDITIONAL DEMOLITION AND REBUILD NECESSARY AS REQUIRED BY MEANS AND METHODS TO INSTALL NEW STRUCTURES AND EQUIPMENT.
12. PROVIDE NEW OPENINGS BETWEEN EXISTING CONCRETE JOISTS, BEAMS, AND COLUMNS TO REMAIN AS REQUIRED BY M/E/P DRAWINGS. SEE M/E/P DRAWINGS FOR ADDITIONAL OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS. APPROXIMATE LOCATIONS OF EXISTING STRUCTURE PER EXISTING STRUCTURAL DRAWINGS ARE SHOWN ON PLAN, BUT ARE NOT GUARANTEED TO BE TRUE OR EXACT. CONTRACTOR FIELD VERIFY AND COORDINATE WITH EXISTING MEMBER LOCATIONS. DEMOLISH EXISTING SLABS ONLY FOR INSTALLATION OF NEW OPENINGS. DO NOT DISTURB EXISTING STRUCTURE BEYOND DEMOLITION OF EXISTING SLABS UNLESS SPECIFICALLY NOTED OTHERWISE.
13. PROVIDE NEW INFILL AS SHOWN THIS PLAN AND AS REQUIRED PER M/E/P AND ARCHITECTURAL DEMOLITION DRAWINGS. INFILL SHALL BE 2" L.W.C. TOPPING ON 1 1/2", 20 GA. GALV COMPOSITE METAL DECK. REINFORCE SLAB WITH 6xG-W1.4xW1.4. BOTTOM OF DECK AND SUPPORT STEEL SHALL BE FIREPROOFED TO PROVIDE A MINIMUM RATING OF 2 HOURS. PROVIDE INFILL EDGE SUPPORT PER 8/S500. U.N.O.
14. EXISTING FLOOR FRAMING HAS BEEN REVIEWED FOR THE FOLLOWING NEW EQUIPMENT LOADS. EQUIPMENT LOADS SHALL NOT EXCEED THE TOTAL PSF VALUE SHOWN. VALUES SHOWN INCLUDE A 10 PSF ALLOWANCE FOR MECHANICAL EQUIPMENT CURBS TO BE PROVIDED WITH THE UNIT BY THE MANUFACTURER. IN THE EVENT CONTRACTOR SELECTS EQUIPMENT THAT EXCEEDS THE DESIGN VALUES, CONTRACTOR SHALL NOTIFY OWNER AND EOR IN WRITING PRIOR TO BIDDING FOR REVIEW. CONTRACTOR IS RESPONSIBLE FOR ALL REDESIGN AND ADDITIONAL REINFORCING COSTS, INCLUDING CONTRACTOR SCHEDULE IMPACTS, IF SELECTED EQUIPMENT EXCEEDS ALLOWABLE VALUES.

MECHANICAL EQUIPMENT LOADING SCHEDULE	
EQUIPMENT	MAXIMUM ALLOWABLE EQUIPMENT WEIGHT (PSF) - NOTE 1
AHU-S1	46
AHU-N1	43
ERU-S2	84
ERU-C	97
ERU-N2	85
AHU-S2	31
AHU-C	30
AHU-N2	34
RF-S2	64
CO	64
RF-N2	64

NOTES: 1. LOADS INCLUDES A 10 PSF CURB ALLOWANCE. PREMANUFACTURED EQUIPMENT CURB SHALL BE PROVIDED BY EQUIPMENT PROVIDER.



1 ELEVATOR ROOF FRAMING PLAN - NEW WORK

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

ELEVATOR ROOF FRAMING PLAN NOTES:

1. EXISTING ATTIC FLOOR ELEVATION IS +37'-4" ABOVE BASEMENT LEVEL REFERENCE DATUM NOTED ON S100. CONTRACTOR FIELD VERIFY ELEVATION PRIOR TO WORK BASED ON ACTUAL ELEVATOR SELECTED.
2. ALL ELEVATIONS NOTED IN PLAN ARE WITH RESPECT TO EXISTING FINISHED FLOOR ELEVATION TO BE FIELD VERIFIED. ELEVATION (0-0") IS EQUIVALENT TO EXISTING FINISHED FLOOR ELEVATION.
3. ELEVATOR HIGH ROOF SLAB SHALL BE 3-1/4" L.W. CONCRETE TOPPING ON 2x18ga. GALV. COMPOSITE METAL DECK (5-1/4" TOTAL THICK.) REINFORCE SLAB WITH 6xG - W1.4 x W1.4 W.W.R. SEE S100 FOR NEW ELEVATOR BEARING WALL SIZE AND REINFORCING. ELEVATOR BEARING WALL SHALL BE SOLID GROUTED.
5. EXISTING STRUCTURAL INFORMATION IS INDICATED ON EXISTING DRAWINGS BUT IS NOT GUARANTEED TO BE COMPLETE, TRUE, OR EXACT. EXISTING INFORMATION HAS BEEN REPRODUCED IN LIMITED LOCATIONS ON PLAN IN AREAS OF NEW WORK FOR CONVENIENCE ONLY AND SHOULD ALSO BE ASSUMED TO VARY FROM ACTUAL CONDITIONS ENCOUNTERED. CONTRACTOR SHALL FIELD VERIFY EXISTING INFORMATION RELEVANT TO NEW WORK.
6. STRUCTURAL DEMOLITION NOTES AT NEW ELEVATOR ROOF:
   A. DO NOT DISTURB EXISTING STRUCTURAL ROOF FRAMING. NEW ELEVATOR HIGH ROOF IS EXPECTED TO OCCUR BELOW EXISTING ROOF FRAMING. ACTUAL FINAL ELEVATION TO BE FIELD VERIFIED PRIOR TO ELEVATOR INSTALLATION. NOTIFY ARCHITECT AND ENGINEER IN WRITING PRIOR TO DEMOLITION IN THE EVENT CONTRACTOR ANTICIPATE A CONFLICT WITH THE ELEVATOR INSTALLATION AND THE EXISTING STRUCTURAL ROOF FRAMING.
   B. ROOF FRAMING ABOVE IS SUPPORTED ON EXISTING WALL TO BE PARTIALLY DEMOLISHED. SHORE ROOF FRAMING ABOVE UNTIL NEW LINTEL BEAM IS IN PLACE. SEE ALSO NOTE 10.
7. DEMOLITION MAY REQUIRE RELOCATION OF EXISTING MECHANICAL, PLUMBING, ELECTRICAL, OR OTHER EQUIPMENT/PIPES IN THE CEILING. RELOCATE AS REQUIRED FOR INSTALLATION OF NEW ELEVATOR. ALL EQUIPMENT/PIPES SHALL REMAIN FULLY OPERATIONAL DURING CONSTRUCTION UNLESS OWNER PROVIDES DIRECTION, IN WRITING, OTHERWISE.
8. SEE ARCHITECTURAL AND/OR MECHANICAL DRAWINGS FOR:
   A. DEMOLITION DRAWINGS.
   B. SIZE AND LOCATION OF SLAB OPENINGS AND/OR MECHANICAL SLEEVES. SEE S500 FOR TYPICAL NEW OPENING IN EXISTING STRUCTURE DETAILS.
   C. EQUIPMENT CURBS, RAILS, AND SUPPORTS: EQUIPMENT PROVIDER SHALL INCLUDE ALL CURBS, RAILS, AND SUPPORTS REQUIRED, CONTRACTOR COORDINATE.
9. VERIFY ALL DIMENSIONS WITH THE ARCHITECTURAL DRAWINGS. REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR REVIEW.
10. ALL EXISTING DIMENSIONS RELEVANT TO NEW WORK SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO SUBMISSION OF SHOP DRAWINGS.
11. PROVIDE W8X28 HOIST BEAM WITH BEARING PLATE BP-3 EACH END. CONTRACTOR COORDINATE TOP OF STEEL ELEVATION WITH ELEVATOR PROVIDER. FINAL HOIST BEAM AND BEARING PLATE SIZES ARE PENDING FINAL ELEVATOR SELECTION. HOIST BEAM HAS BEEN DESIGNED FOR A MAXIMUM SERVICE POINT LOAD OF 5000 LBS LOCATED AT THE BEAM MIDSPAN.
12. LINTEL SHALL BE INSTALLED PRIOR TO DEMOLITION OF EXISTING WALL. EXISTING WALL IS SUPPORTING ROOF FRAMING ABOVE. SHORE ROOF FRAMING BEARING ON EXISTING WALL AS REQUIRED FOR INSTALLATION OF NEW LINTEL. LINTEL SHALL BEAR ON NEW CMU AT LEFT SIDE AND EXISTING COLUMN ON RIGHT SIDE. PROVIDE ADDITIONAL REINFORCING IN NEW CMU PER 1/S501.
13. CONTRACTOR'S MEANS AND METHODS, INCLUDING BUT NOT LIMITED TO PLACING NEW STRUCTURE OR EQUIPMENT IN THE EXISTING BUILDING, MAY REQUIRE ADDITIONAL STRUCTURAL DEMOLITION AND REBUILD NOT SHOWN ON THE DRAWINGS. CONTRACTOR SHALL PROVIDE FOR ALL ADDITIONAL DEMOLITION AND REBUILD NECESSARY AS REQUIRED BY MEANS AND METHODS TO INSTALL NEW STRUCTURES AND EQUIPMENT.

FULLY SPRINKLERED BID DOCUMENTS

Revisions:	Date

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Drawing Title	ATTIC FRAMING PLAN - NEW WORK
Approved: Project Director	
Project Title	BUILDING 9 - SECOND FLOOR RENOVATION
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Date	05 / 12 / 14
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Project Number	542-13-105
Building Number	9
Drawing Number	S103
Dwg. 26 of 125	

Office of Construction and Facilities Management

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