GENERAL NOTES

- 1. ALL STRUCTURAL WORK SHALL BE COORDINATED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND SHALL CONFORM TO THE PROJECT SPECIFICATIONS, INCLUDING THE NEW YORK STATE BUILDING CODE LATEST EDITION.
- 2. CONTRACTOR SHALL PROVIDE TEMPORARY SHORING, BRACING, SHEETING AND MAKE SAFE ALL FLOORS, ROOFS, WALLS AND ADJACENT PROPERTY AS PROJECT CONDITIONS REQUIRE. SHORING AND SHEETING SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE PROJECT JURISDICTION HIRED BY THE CONTRACTOR WHO SHALL SUBMIT SHOP DRAWINGS AND CALCULATIONS FOR THE OWNER'S REVIEW.
- 3. DIMENSIONS AND ELEVATIONS OF EXISTING CONSTRUCTION GIVEN IN STRUCTURAL DRAWINGS ARE BASED ON INFORMATION CONTAINED IN VARIOUS ORIGINAL DESIGN AND CONSTRUCTION DOCUMENTS PROVIDED BY THE OWNER. AND LIMITED FIELD OBSERVATIONS AND MEASUREMENTS. THE CONTRACTOR SHALL VERIFY ALL INFORMATION PERTAINING TO EXISTING CONDITIONS BY ACTUAL MEASUREMENT AND OBSERVATION AT THE SITE. ALL DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND THOSE SHOWN IN THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE ENGINEER OF RECORD FOR EVALUATION BEFORE THE AFFECTED CONSTRUCTION IS PUT IN PLACE.
- 4. THE CONTRACT DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY. THESE NOTES HIGHLIGHT RATHER THAN REPLACE THE SPECIFICATIONS CONTAINED IN THE PROJECT MANUAL. CONTRACTOR SHALL NOTIFY THE ARCHITECT AND ENGINEER OF ANY CONFLICTS FOR GUIDANCE.

STRUCTURAL STEEL

- 1. ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE FOLLOWING GOVERNING STANDARDS:
 - A. AISC 360 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS AND AISC 303 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" LATEST EDITION PER GOVERNING CODE. B. AMERICAN WELDING SOCIETY (AWS D1.1) "STRUCTURAL WELDING CODE - STEEL".
- 2. ALL STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS: A. WIDE FLANGE BEAMS, COLUMNS AND STRUCTURAL TEES: ASTM A992
 - HOLLOW STRUCTURAL SECTIONS: ASTM A500, GRADE B
 - STRUCTURAL PIPE SECTIONS: ASTM A53, GRADE B. CHANNELS, ANGLES AND PLATES: ASTM A36 UNLESS OTHERWISE NOTED.
 - STRUCTURAL STEEL PLATE SHALL BE ASTM A572 GRADE 50 HAVING A MINIMUM YIELD POINT OF 50,000 PSI,
 - EXCEPT WHERE THICKNESSES EXCEED 4" USE A572 GRADE 42 HAVING A MINIMUM YIELD POINT OF 42,000 PSI. F. BOLTED CONNECTIONS OF BEAMS/GIRDERS ARE TO BE DESIGNED AS FOLLOWS:
 - a. STANDARD BEAM TO BEAM/GIRDER: ASTM A325, ASTM F1852, ASTM A490 OR ASTM F2280 BOLTS IN BEARING TYPE CONNECTIONS ($\frac{3}{4}$ " DIAMETER MINIMUM WITH HARDENED WASHERS). b. BEAM/GIRDER TO COLUMN CONNECTIONS: ASTM A325, ASTM F1852, ASTM A490 OR ASTM F2280 BOLTS IN SLIP
 - CRITICAL CONNECTIONS (3/4" DIAMETER MINIMUM WITH HARDENED WASHERS). FAYING SURFACE SHALL BE CLASS A UNLESS OTHERWISE NOTED. G. ANCHOR BOLTS: ASTM F1554, GRADE 36.
 - H. STRUCTURAL STEEL NOTED TO BE STAINLESS STEEL SHALL BE ASTM A276 STAINLESS STEEL GRADE 304. I. ALL STAINLESS STEEL BOLTS SHALL CONFORM TO ASTM F593 ALLOY 304.
 - J. ALL STAINLESS STEEL NUTS SHALL CONFORM TO ASTM F594 ALLOY 304.
- 3. STEEL CONNECTION SHALL BE STANDARD AISC FRAMED BEAM CONNECTIONS, AND SHALL BE SELECTED OR COMPLETED BY AN EXPERIENCED STEEL DETAILER, UTILIZING ASD LOADS AND PROCEDURES.
 - A. FOR NON-COMPOSITE MEMBERS. PROVIDE CONNECTIONS BASED ON REACTION AS DETERMINED FROM AISC UNIFORM LOAD TABLE. (UNLESS OTHERWISE NOTED ON PLANS.) B. FOR COMPOSITE MEMBERS. PROVIDE CONNECTIONS BASED ON 1.5 x REACTION FROM AISC UNIFORM LOAD TABLE.
 - (UNLESS OTHERWISE NOTED ON PLANS.) C. REINFORCING IS TO BE PROVIDED AT CONNECTIONS WHERE CUTS REDUCE THE SHEAR OR MOMENT CAPACITY BELOW
 - THAT REQUIRED TO SUSTAIN THE REACTION. FLANGES AND WEB ARE TO BE REINFORCED WHERE THE LOCAL CAPACITY TO SUSTAIN CONNECTION LOAD IS INADEQUATE. D. CONNECTIONS SHALL BE DESIGNED FOR SHEAR AND ECCENTRICITY, CONSIDERING THAT THE CONNECTION IS AN
- 4. MINIMUM WELD SIZE IS $\frac{1}{4}$ " FILLET UNLESS NOTED OTHERWISE.

EXTENSION OF THE BEAM AND GIRDERS.

- 5. ALL BEAMS EXCEPT CANTILEVER BEAMS SHALL BE FABRICATED AND INSTALLED WITH NATURAL CAMBER UP. CANTILEVER BEAMS SHALL BE FABRICATED AND INSTALLED SO THAT NATURAL CAMBER RAISES CANTILEVER END.
- 6. FIELD CUTTING OR BURNING OF STEEL IS PROHIBITED EXCEPT WITH THE EXPRESSED WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD (IN WHICH CASE ALL BURNING OF STEEL MUST CONFORM TO THE THERMAL CUTTING REQUIREMENTS OF AISC AND AWS).
- 7. WELDING SHALL BE PERFORMED BY CERTIFIED LICENSED, AWS-QUALIFIED WELDERS. ELECTRODES SHALL BE AWS 5.1, CLASS E70XX. FOR ASTM A572 GRADE 50 KSI PLATE USE ELECTRODE E7018 OR APPROVED EQUAL (OR ELECTRODES THAT MEET THE REQUIREMENT OF__). WELDING ELECTRODES FOR ASTM A276-97 STAINLESS STEEL, GRADE 304, SHALL CONFORM TO AWS A5.4 FOR SHIELDED METAL ARC WELDING, ELECTRODE CLASS E304; OR AWS A5.9 FOR GAS METAL ARC WELDING, ELECTRODE CLASS ER304, Ft-70ksi.
- 8. SHOP PAINT EXTERIOR EXPOSED STEEL MEMBERS, STEEL MEMBERS NOT ENCASED IN CONCRETE OR SPRAY FIREPROOFED, AND ALL STEEL MEMBERS AT THE EXTERIOR WALL WITH TNEMEC #10-99 OR APPROVED EQUAL (EXCEPT FOR MEMBERS TO BE HOT-DIP GALVANIZED).
- 9. FIELD PAINT ALL EXTERIOR EXPOSED MEMBERS WITH TNEMEC 530 OMNITHANE OR APPROVED EQUAL
- 10. LINTELS SHALL BE INSTALLED OVER ALL OPENINGS IN MASONRY WALLS AS FOLLOWS:

MASONRY OPENING

SONRY OPENING	LINTEL
4'-0" OR LESS	L4x31/2x5/16 LLV
4'-1" TO 7'-0"	L6x31/2x5/16 LLV

- A. 3½" LEGS ARE HORIZONTAL
- PROVIDE ONE ANGLE FOR EACH 4" OF WALL THICKNESS.
- PROVIDE L5x5x5/6 ANGLES FOR 6" THICK WALLS AND PARTITIONS WITH OPENINGS UP TO 6'-0".
- PROVIDE MINIMUM 6" BEARING AT EACH END. LINTELS OVER 6'-0" SHALL BE FIREPROOFED.
- 11. SHOP AND ERECTION DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL. NO FABRICATION OF STEEL SHALL COMMENCE WITHOUT APPROVED SHOP DRAWINGS.

12. PROVIDE MECHANICALLY GALVANIZED BOLTS FOR EXTERIOR APPLICATIONS.

SPECIAL INSPECTIONS

- 1. SPECIAL INSPECTIONS REQUIRED BY THE LOCAL JURISDICTION SHALL BE PERFORMED BY A TESTING AGENCY PROVIDED BY THE OWNER FOR THE FOLLOWING ITEMS: A. STRUCTURAL STEEL – WELDING (BC 1704.3.1)
- THE TESTING AGENCY FOR THE INSPECTIONS SHALL FILE ALL APPROPRIATE FORMS WITH THE BUILDING DEPARTMENT.

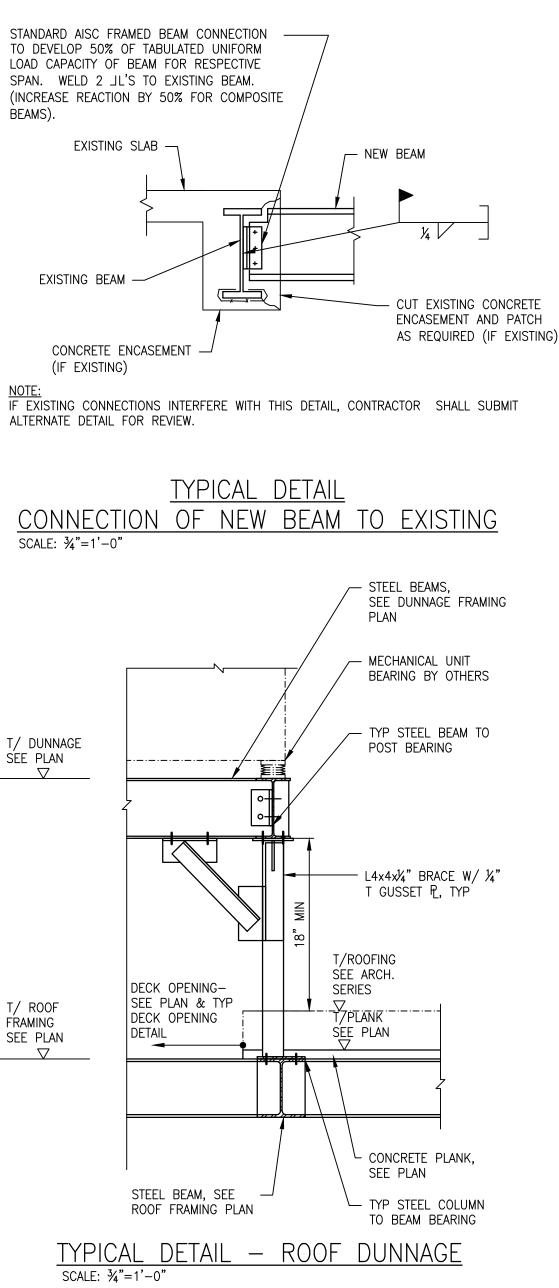
Client / Project	Revisions & Issues			
- (Date	Description	No.	
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S	Do not scale drawings. Each Contractor shall be responsible for all field measurements.			





SEE PLAN

T/ ROOF FRAMING SEE PLAN





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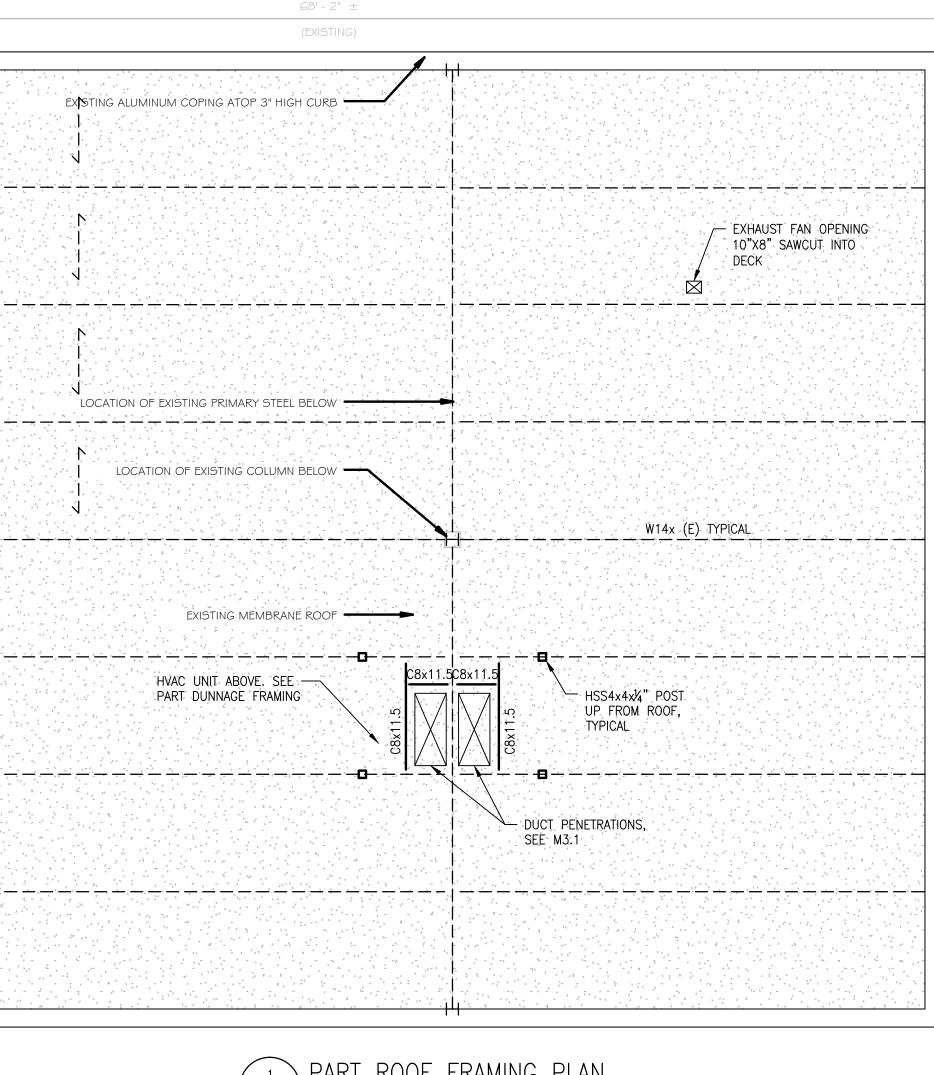


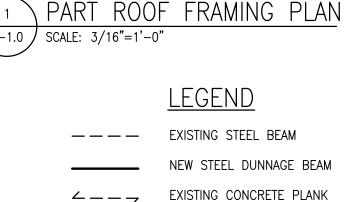
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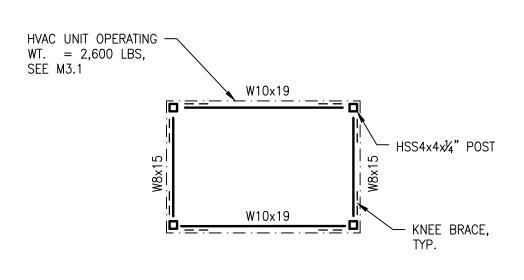
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M.E.P. Engineer







2	PART	DUNNAGE	FRAMING	PLAN
S-1.0	SCALE: 3/	16"=1'-0"		





It is a violation of the New York State Education Law to alter these documents in any way once the seal and signature have been affixed by the Architect.