

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
N	STRUCTURAL STEEL NOTES (CON'T):													
M	C. CONNECTIONS NOT DETAILED SHALL CONFORM TO AISC "STANDARDS AND THE MANUAL OF STEEL CONSTRUCTION", EIGHTH EDITION.													
L	1) AVOID ONE-SIDED CONNECTIONS IF POSSIBLE AND DO NOT USE FOR BEAMS OVER 18" IN DEPTH. IF IT IS NECESSARY TO USE A ONE SIDED CONNECTION FOR BEAMS 18" DEEP AND UNDER, THE CONNECTION SHALL BE DESIGNED IN ACCORDANCE WITH THE AISC MANUAL (NINTH EDITION) AND SHALL HAVE A MINIMUM OF TWO BOLTS.													
K	2) WHEN THE TABULATED AISC FRAMED CONNECTION TABLES CANNOT BE USED OR WHERE THEY ARE UNABLE TO CARRY THE REQUIRED REACTIONS, SPECIAL CONNECTIONS OF ADEQUATE STRENGTH SHALL BE PROVIDED.													
J	3) SHOP CONNECTIONS SHALL BE HIGH-STRENGTH BOLTED OR WELDED.													
H	4) FIELD CONNECTIONS SHALL BE HIGH-STRENGTH BOLTED, EXCEPT WHERE WELDED CONNECTIONS ARE SHOWN ON DRAWINGS.													
G	D. BOLTED CONNECTIONS:													
F	1) ALL BOLTS SHALL CONFORM TO ASTM A325, MINIMUM, UNQ.													
E	2) ALL BOLTS SHALL BE 3/4" MINIMUM DIAMETER WITH HARDENED WASHERS UNDER THE TURNING ELEMENT (INCLUDING TURN OF THE NUT METHOD), UNLESS OTHERWISE NOTED.													
D	3) ALL CONTACT SURFACES, INCLUDING SURFACES ADJACENT TO THE BOLT HEAD AND NUT, SHALL BE FREE OF SCALE, OIL, PAINT, LACQUER, AND OTHER FOREIGN MATERIAL. BURRS THAT WOULD PREVENT SOLID SEATING OF THE CONNECTED PARTS IN THE SNUG TIGHT CONDITION SHALL BE REMOVED.													
C	E. WELDED CONNECTIONS:													
B	1) WELDING SHALL BE PERFORMED BY LICENSED WELDERS.													
A	2) AWS CLASS E70XX SERIES ELECTRODES SHALL BE USED FOR WELDING NEW STRUCTURAL STEEL. AWS CLASS E60XX SERIES ELECTRODES SHALL BE USED FOR WELDING NEW STRUCTURAL STEEL TO STEEL OF EXISTING BUILDING (WHERE APPLICABLE).													
	G1	GENERAL NOTES												
	NO SCALE													
	LOAD SCHEDULE (POUNDS PER SQUARE FOOT)													
	DEAD LOADS					ADDT. ROOF					DOCK ROOF			
	ROOFING					5.5					5			
	DECKING					5					5			
	INSULATION					1.5					-			
	DUCTS, FIRE PROTECTION, LIGHTS & DROP CEILING					10					10			
	CONDUITS & BUSDUCT					100					-			
	TOTAL DEAD LOAD					122					20			
	SNOW LOAD/SNOW DRIFT					43/168					43/168			
	TOTAL LOAD					185/290					83/188			
	NOTES:													
	1. AS PER ALONZO J. HARRIMAN ASSOCIATES, INC. DWG. S-1 DATED FEB. 14, 1975, ROOF LOADS ARE APPLIED TO THE HORIZONTAL PROJECTION OF THE ROOF.													
	EXISTING BUILDING-DESIGN LOADS:													
	A. SECOND FLOOR & ROOF LOAD CAPACITY IS 150 PSF.													
	B. SLAB ON GRADE LOAD CAPACITY IS 300 PSF.													
	2. EXISTING BUILDING PROPOSED LOADS (ASSUME 21 PSF DUCTS, LIGHTS, FIRE PROTECTION & DROP CEILING AND 129 PSF LIVE LOAD).													
	3. ADDITION AND LOADING DOCK SLAB ON GRADE CAPACITY IS 300 PSF.													
	4. WEIGHT CORRESPONDS TO MEMBRANE w/ STONE BALLAST.													
	A1	LOAD TABLE												
	NO SCALE													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14

STRUCTURAL INSPECTION

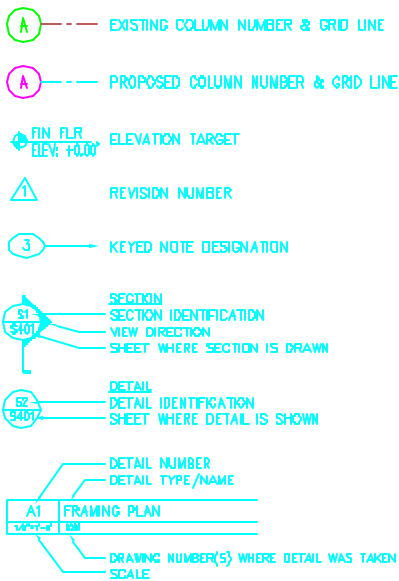
- STRUCTURAL INSPECTIONS SHALL BE PERFORMED BY A TESTING AGENCY PROVIDED BY THE OWNER, FOR THE FOLLOWING ITEMS:
 - WELDING;
 - HIGH STRENGTH BOLTING;
 - SUBGRADE FOR FOUNDATIONS;
 - QUALITY CONTROL OF CONCRETE MATERIALS, BATCHING, STRENGTH, SLUMP, AIR CONTENT, UNIT WEIGHT, TEMPERATURE, FORMS, SIZE AND PLACEMENT OR REINFORCEMENT;
 - PLACEMENT AND COMPACTION OF BACKFILLS AND FILLS.

THE TESTING AGENCY FOR THE STRUCTURAL INSPECTION SHALL FILE ALL APPROPRIATE FORMS WITH THE BUILDING DEPARTMENT.

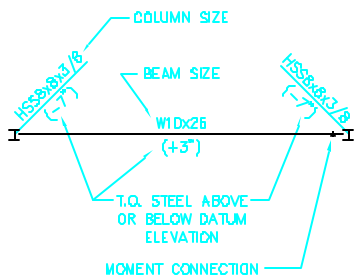
METAL DECK

- ALL METAL DECK WORK SHALL CONFORM TO THE AISI "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS," LATEST EDITION.
- ALL METAL DECK UNITS AND ACCESSORY ITEMS SHALL BE FORMED FROM STEEL SHEETS CONFORMING TO ASTM A611 WITH A MINIMUM YIELD STRENGTH OF 33,000 PSI. BEFORE FORMING, THE STEEL SHEET SHALL RECEIVE A PROTECTIVE METAL COATING OR ZINC CONFORMING TO ASTM A653, GRADE 80.
- EXCEPT AS OTHERWISE NOTED, EDGE LAPS SHALL BE CONNECTED WITH #10 TEK SCREWS AT A SPACING TO PROVIDE SUFFICIENT DIAPHRAGM STRENGTH TO MAINTAIN BUILDING ALIGNMENT & TO SUSTAIN LOCAL CONSTRUCTION LOADS WITHOUT DISTORTION OR SEPARATION, MAX. SPACING SHALL BE 30" O.C.
- EXCEPT AS OTHERWISE NOTED, DECK SHALL BE ATTACHED TO STRUCTURAL STEEL BY 3/4" DIAM. FUSION WELDS AT 12" OC AT END AND INTERIOR SUPPORTS PERPENDICULAR TO THE DECK SPAN AND AT EDGE AND INTERIOR SUPPORTS PARALLEL TO THE DECK SPAN.
- ALL UNFRAMED OPENINGS IN ROOF OR ACOUSTIC DECK SHALL BE REINFORCED AS FOLLOWS:
 - HOLES LESS THAN 8": 18 GAUGE FLAT SHEET EXTENDING 8" MIN. BEYOND HOLE IN ALL DIRECTIONS.
 - HOLES 8"-13": 16 GAUGE FLAT SHEET EXTENDING 8" MIN. BEYOND HOLE IN ALL DIRECTIONS.
 - HOLES GREATER THAN 13" REQUIRE SUPPLEMENTAL FLOOR FRAMING. NOTIFY ENGINEER.
- ALL REINFORCING SHALL BE WELDED TO THE TOP SIDE OF DECK. REINFORCING PLATE SHALL EXTEND, AT LEAST 3" BEYOND NEXT FULL METAL DECK RIB.

SYMBOLS:



REFER TO ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ADDITIONAL GENERAL NOTES, LEGENDS, SYMBOLS, AND ABBREVIATIONS.



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0	FOR CONSTRUCTION	7/13/01
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