



- GENERAL NOTES:
- THESE DRAWINGS SHALL BE USED WITH ARCHITECTURAL AND OTHER CONTRACT DOCUMENTS. DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2012 IBC.
 - THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACING AND SHORING OF THE STRUCTURE AND COMPONENTS UNTIL ALL COMPONENTS ARE ERECTED AND ALL CONNECTIONS ARE FULLY MADE. TEMPORARY BRACING SHALL REMAIN IN PLACE UNTIL ALL FRAMING IS COMPLETED AND ALL MASONRY CONSTRUCTION AT PERIMETER IS COMPLETED AND THE ROOF DECK CONNECTIONS ARE COMPLETED. CONTRACTOR SHALL BRACE ALL WALLS DURING CONSTRUCTION AGAINST WIND OR CONSTRUCTION LOADS.
 - THE GENERAL CONTRACTOR SHALL VERIFY THE SIZE AND LOCATION OF ALL OPENINGS THROUGH ROOFS, FLOORS AND WALLS. VERIFY WITH THE TENANT ARCHITECT AND VARIOUS TRADES AS REQUIRED. OPENINGS NOT SO VERIFIED SHALL BE MODIFIED IF REQUIRED. IF REQUIRED, AT ADDITIONAL COST WITH WELDABILITY SUPPLEMENT.
 - EQUIPMENT PADS SHALL BE PROVIDED BY THE MECHANICAL, ELECTRICAL, OR PLUMBING CONTRACTORS REQUIRING THE PAD.
 - CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES, PROCEDURES AND SAFETY ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
 - THE GENERAL CONTRACTOR SHALL VERIFY ALL NEW AND EXISTING DIMENSIONS PRIOR TO FABRICATION OF ANY STRUCTURAL COMPONENTS. NOTIFY ARCHITECT IMMEDIATELY IF DIMENSIONAL CONFLICTS EXIST.
- SPECIAL INSPECTIONS:
- SPECIAL INSPECTIONS ARE NOT REQUIRED FOR THIS PROJECT. THE PROJECT INCLUDES CONSTRUCTION OF A MINOR NATURE PER SECTION 1704 EXCEPTION 1 OF THE IBC.
- SHOP DRAWINGS:
- SUBMIT SHOP DRAWINGS ON ALL MATERIALS FOR REVIEW BEFORE FABRICATION. THE CONTRACT DRAWINGS SHALL NOT BE USED AS BASE DRAWINGS FOR SHOP DRAWINGS. SHOP DRAWINGS SUBMITTED FOR REVIEW WHICH WERE PREPARED WITH CONTRACT DRAWINGS USED AS BASE DRAWINGS WILL BE REJECTED.
 - ALL SUBMITTALS TO ENGINEER FOR REVIEW SHALL BE PREVIOUSLY REVIEWED BY THE CONTRACTOR, WITH HIS APPROVAL STAMPED ON THE DRAWINGS, DATED AND SIGNED. SUBMITTALS NOT CONFORMING SHALL BE SUFFICIENT REASON FOR REJECTION BY THE ENGINEER.
- STEEL:
- STRUCTURAL STEEL SHALL CONFORM TO ASTM A992 FOR ALL W SHAPES AND ASTM A36 FOR ALL OTHER SHAPES. RECTANGULAR HOLLOW STRUCTURAL STEEL (TUBE) SHALL CONFORM TO ASTM A500, GRADE B (F_y=46 ksi). ROUND HOLLOW STRUCTURAL STEEL (PIPE) SHALL CONFORM TO ASTM A53, TYPE E OR S, GRADE B. ANCHOR BOLTS SHALL BE WELDED AND SHALL CONFORM TO ASTM F1554, GRADE 36 OR 55 WITH WELDABILITY SUPPLEMENT.
 - THE STRUCTURAL STEEL SHALL BE FABRICATED BY A QUALIFIED FABRICATOR WHO PARTICIPATES IN THE AISC CERTIFICATION PROGRAM AND IS DESIGNATED AN AISC CERTIFIED PLANT, CATEGORY STD AT TIME OF BID, OR THE STRUCTURAL STEEL FABRICATOR MUST DEMONSTRATE A CONSISTENT RECORD OF AT LEAST 10 (TEN) SUCCESSFUL PROJECTS OF EQUAL OR GREATER MAXIMUM SIZE OVER THE PRECEDING 2 YEARS. THE CONTRACTOR SHALL SUBMIT EVIDENCE IN WRITING VERIFYING ONE OF THE ABOVE REQUIRED QUALIFICATIONS.
 - THE STRUCTURAL STEEL SHALL BE ERECTED BY A QUALIFIED INSTALLER WHO PARTICIPATES IN THE AISC CERTIFICATION PROGRAM AND IS DESIGNATED AN AISC CERTIFIED ERECTOR, CATEGORY CSE [ACSE] AT TIME OF BID.
 - BOLTED CONNECTIONS - 3/4 INCH DIAMETER A325-X, TYPE 1 BOLTS UNLESS NOTED OTHERWISE. USE 3/4 INCH DIAMETER A325-X TYPE 3 BOLTS FOR EXPOSED EXTERIOR CONDITIONS.
 - BOLTED CONNECTIONS SHALL CONFORM TO THE SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A440 BOLTS APPROVED JUNE 23, 2000. CONNECTIONS ON BOLTS OR DIRECT TENSION INDICATOR DEVICES WILL BE ACCEPTED ONLY BY WRITTEN APPROVAL OF THE ENGINEER. INSTALLATION SHALL BE IN ACCORDANCE WITH SECTION 8 OF THE SPECIFICATION. AN INDEPENDENT TESTING AGENCY SHALL INSPECT ALL BOLTED CONNECTIONS IN ACCORDANCE WITH SECTION 9 OF THE SPECIFICATION AND REPORT IN WRITING TO THE CONTRACTOR AND ARCHITECT.
 - ALL SHOP AND FIELD WELDING SHALL BE BY CERTIFIED WELDERS AND SHALL CONFORM TO AWS STANDARDS. USE E70XX ELECTRODES UNLESS NOTED OTHERWISE. CURRENT AWS CERTIFICATIONS SHALL BE AVAILABLE AT THE JOB SITE FOR REVIEW BY THE ARCHITECT OR ENGINEER. NO FIELD CUTTING OR STRUCTURAL STEEL MEMBERS BY ANY TRADE WILL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER.
 - ALL BEAMS AND PRIMARY BRACING MEMBERS SHALL BE SECURED WITH AT LEAST 2 BOLTS PRIOR TO REMOVAL OF HOISTING CABLES.
 - IN CONDITIONS WHERE BEAMS FRAME WITH DOUBLE ANGLE FRAMING CONNECTIONS FROM BOTH SIDES OF A COLUMN WEB, OR BEAM WEB OVER A COLUMN, THE FABRICATOR SHALL FABRICATE THE CONNECTION SO THAT THE FIRST BEAM ERECTED TO THE CONNECTION SHALL HAVE AT LEAST ONE BOLT AND WRENCH-TIGHTENED NUT SECURING THE FIRST BEAM AT THE CONNECTION. THE CONNECTION SHALL BE DETAILED SO THAT EITHER BEAM MAY BE SELECTED FOR THE FIRST BEAM ERECTED. ALTERNATIVELY, A SEAT ANGLE, THE FACE OF THE COLUMN FOR ERECTION, OR OTHER METHOD SATISFYING OSHA REQUIREMENTS, MAY BE USED IF CONDITIONS PERMIT.
 - ALL EXPOSED STRUCTURAL STEEL SHALL BE GALVANIZED. SUBMIT WITH SHOP DRAWINGS FOR REVIEW.
 - ALL STRUCTURAL STEEL SHALL RECEIVE A STANDARD SHOP PRIMER PAINT, EXCEPT AT WELDING LOCATIONS. SUBMIT WITH SHOP DRAWINGS FOR REVIEW.
- COLD FORMED METAL FRAMING (LIGHT GAUGE):
- COLD FORMED METAL FRAMING SHALL CONFORM TO ASTM A653 ZINC COATED (GALVANIZED) IN THE FOLLOWING GRADES:
GRADE 33 - 33 AND 43 MIL THICKNESS
GRADE 50 - 54 AND 68 MIL THICKNESS
MINIMUM YIELD STRENGTH (F_y) AND ULTIMATE (F_u) TENSILE STRENGTH SHALL BE AS FOLLOWS.
GRADE 33 - F_y = 33 KSI, F_u = 45 KSI
GRADE 50 - F_y = 50 KSI, F_u = 68 KSI
MINIMUM GALVANIZED COATING THICKNESS IS 600.
 - SSMA MEMBER DESIGNATION IS USED IN THESE DRAWINGS IS AS FOLLOWS (EXAMPLE: 600S162-54)
THE FIRST THREE OR FOUR NUMBERS INDICATE THE SIZE (NOMINAL MEMBER DEPTH). THE NEXT LETTER INDICATES THE FUNCTION:
A) S = STUD (C-SECTIONS WITH LIPS FOR LOAD BEARING AND CURTAIN WALL APPLICATIONS)
B) T = TRACK (C-SECTIONS WITHOUT LIPS FOR TRACK AND CLOSURE APPLICATIONS)
C) U = CHANNEL (C-SECTIONS FOR BRIDGING AND BRACING APPLICATIONS)
D) F = FURRING CHANNEL (HAT-SECTIONS FOR FURRING APPLICATIONS)
THE LAST TWO NUMBERS INDICATE THE MINIMUM DELIVERED STEEL THICKNESS IN MILS (1/1000 INCHES).
 - STUDS SHALL BE INSTALLED PLUMB AND SPACED AS SHOWN ON THE DRAWINGS BUT SHALL NOT BE SPACED GREATER THAN 16" oc.
 - ENDS OF STUDS SHOULD SEAT SQUARELY AND FIRMLY IN RUNNER TRACK WHICH MUST HAVE FULL BEARING ON STRUCTURE.
 - ATTACH EACH RUNNER TRACK LEG TO EACH STUD FLANGE WITH ONE (1) #12 PANHEAD SCREW.
 - NO NOTCHING OR COPING OF STUDS IS NOT ALLOWED EXCEPT AS INDICATED ON THE DRAWINGS.
 - STUDS AND HEADERS SHALL BE INSTALLED FULL LENGTH WITHOUT SPLICING.
 - PROVIDE STUDS WITH PUNCHOUTS FOR LATERAL BRACING AT SPACING SPECIFIED IN THE DRAWINGS.
 - PROVIDE HEADERS AND TRACKS WITHOUT PUNCHOUTS. DO NOT USE STUDS WITH PUCHOUTS FOR HEADERS.
 - PROVIDE 1-1/2" X 16 GA COLD ROLLED CHANNEL'S AT 48" OC FOR LATERAL BRIDGING. CHANNELS ARE INSERTED THROUGH WEB PUNCHOUTS AND SECURED TO WEB STUD WITH SCREW ATTACHED WITH BRIDGE CLIP BY TSN OR 2" X 2" X 16 GAUGE CLIP ANGLES CUT TO LENGTH (STUD WIDTH - 1/2"). ATTACH CLIP ANGLES TO STUDS WITH TWO #10 SCREWS LOCATED 1/2" FROM EACH SIDE OF THE CLIP. ATTACH TO THE BRIDGING CHANNEL WITH TWO #10 SCREWS.
 - ALL HORIZONTAL AND DIAGONAL BRACING SHALL BE INSTALLED AT THE TIME THE WALL IS ERECTED. FAILURE TO INSTALL BRACING AT THIS TIME MAY COMPROMISE THE STRUCTURAL INTEGRITY OF THE BUILDING.
 - USE LOW PROFILE (PAN HEAD OR PANCAKE HEAD) SCREWS FOR ALL STEEL TO STEEL CONNECTIONS BEHIND SHEATHING. TEK (HEX HEAD) SCREWS MAY BE USED WHERE SHEATHING IS NOT APPLIED OVER THE SCREW. #12 SCREWS (DIA.=0.216") SHALL BE USED TYPICALLY EXCEPT WHERE #10 (DIA.=0.190") ARE SPECIFIED. #12 SCREWS MAY BE SUBSTITUTED FOR #10 SCREWS. STEEL TO STEEL SCREWS SHALL BE SELF-TAPPING / SELF-DRILLING.
 - A 3/4" (MINIMUM) CLEARANCE MUST BE MAINTAINED FROM ALL EDGES OF THE STEEL MEMBERS IN LOCATING SCREWS. A 3/4" (MINIMUM) ON CENTER SPACING MUST BE MAINTAINED BETWEEN ADJACENT SCREWS.
 - USE #12 BUGLE HEAD, SCREWS FOR ATTACHMENT OF WOOD SHEATHING TO METAL STUDS. WOOD TO STEEL SCREWS SHALL BE SELF-REAMING AND SELF-TAPPING/SELF-DRILLING.
 - ALL CONNECTIONS SHALL BE COMPLETE AS PER THE PLANS AND SPECIFICATIONS AT THE TIME OF INSTALLATION.
 - RUNNER TRACKS SHALL BE SPLICED BY LAPPING AND SCREWING.

1 EXISTING ROOF FRAMING PLAN
S1.02 3/32" = 1'-0"

SHEET NOTES:

- COORDINATE ALL DIMENSIONS WITH THE ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS
- G.C. VERIFY THE LOCATION AND WEIGHT OF ALL NEW MECHANICAL UNITS TO BE SUPPORTED FROM THE EXISTING ROOF STRUCTURE. NOTIFY ARCHITECT/ENGINEER PRIOR TO FABRICATION AND INSTALLATION IF LOCATIONS AND WEIGHTS VARY FROM THOSE SHOWN.
- THE G.C. IN COORDINATION WITH THE ENGINEER SHALL FIELD VERIFY EXISTING SUPPORTING MEMBER SIZES AND DIMENSIONS AS REQUIRED. SUBMIT TO THE ARCHITECT/ENGINEER FOR REVIEW PRIOR TO FABRICATION AND INSTALLATION.
- PROVIDE NEW JOIST WEB STIFFENERS AT NEW CONCENTRATED LOADS ON EXISTING JOISTS - SEE DETAIL 2/55.01
- PROVIDE A NEW ANGLE FRAME AT NEW ROOF OPENINGS AND AT NEW MECHANICAL UNITS SUPPORTED ON THE EXISTING ROOF - SEE DETAIL 1/55.01
- ROUTE NEW DUCT WORK & PLUMBING SO THE EXISTING ROOF FRAMING IS NOT AFFECTED.



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