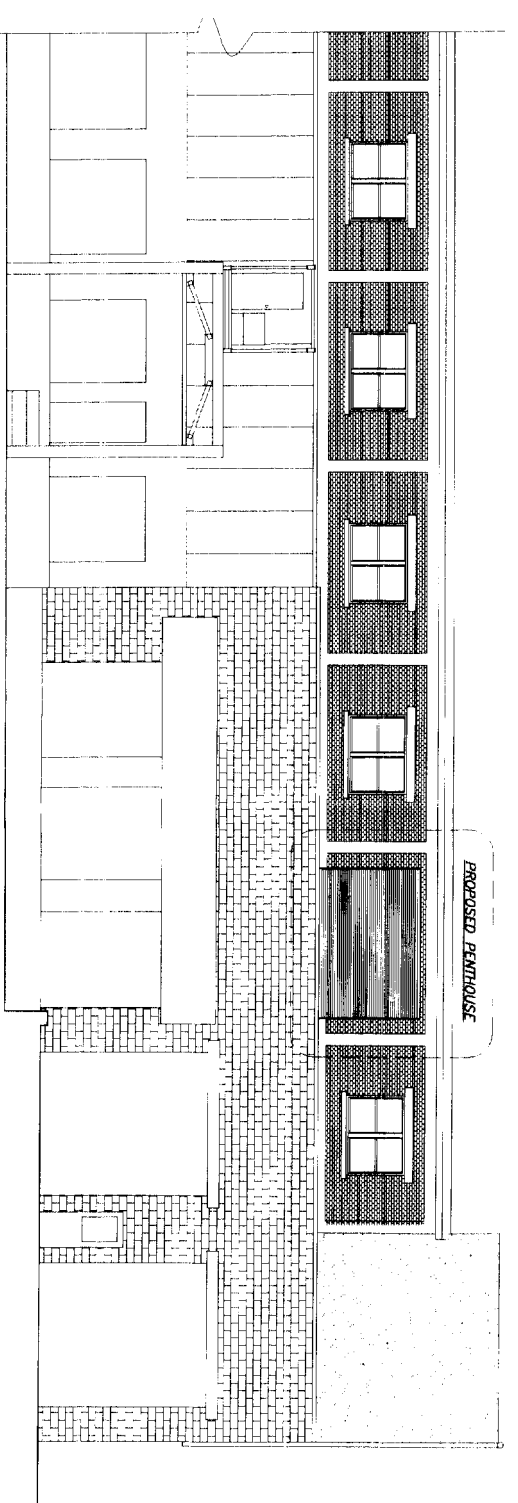
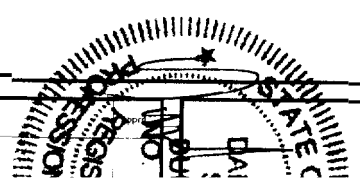


SOUTH ELEVATION
1/8"=1'-0"

*I'm 2' over
75' with
31' surbed
Not Allowed*



WEST ELEVATION
1/8"=1'-0"



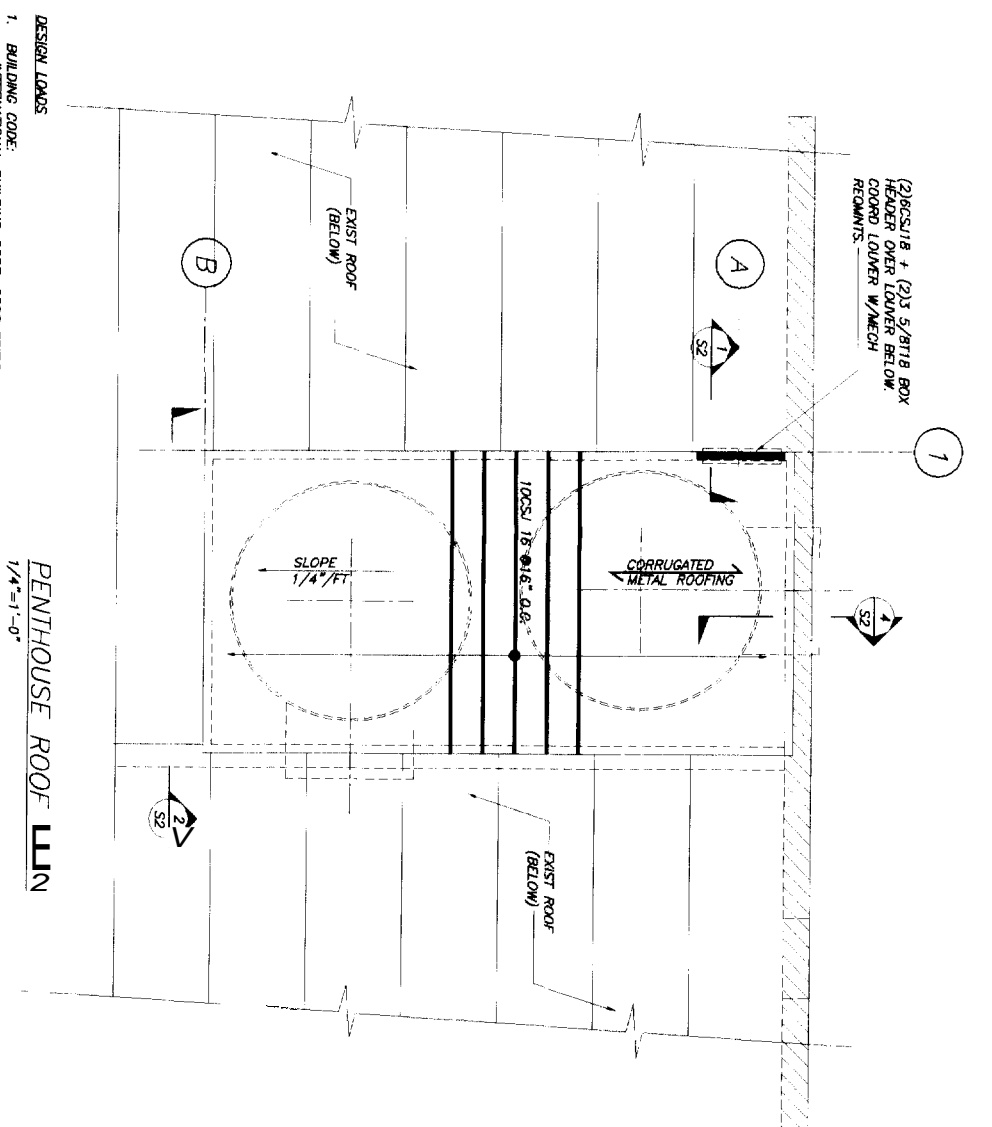
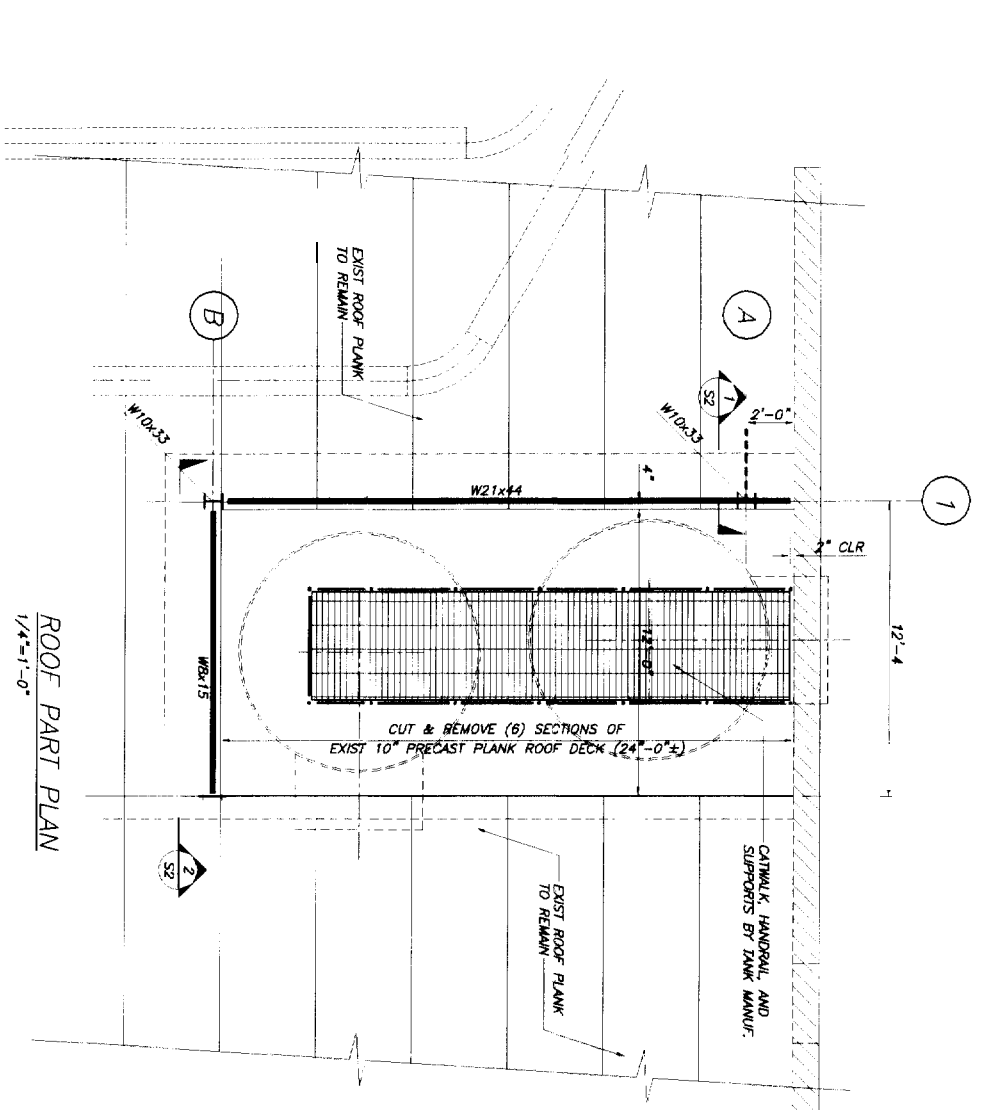
BECKER

H.P. HOOD - PORTLAND MAINE

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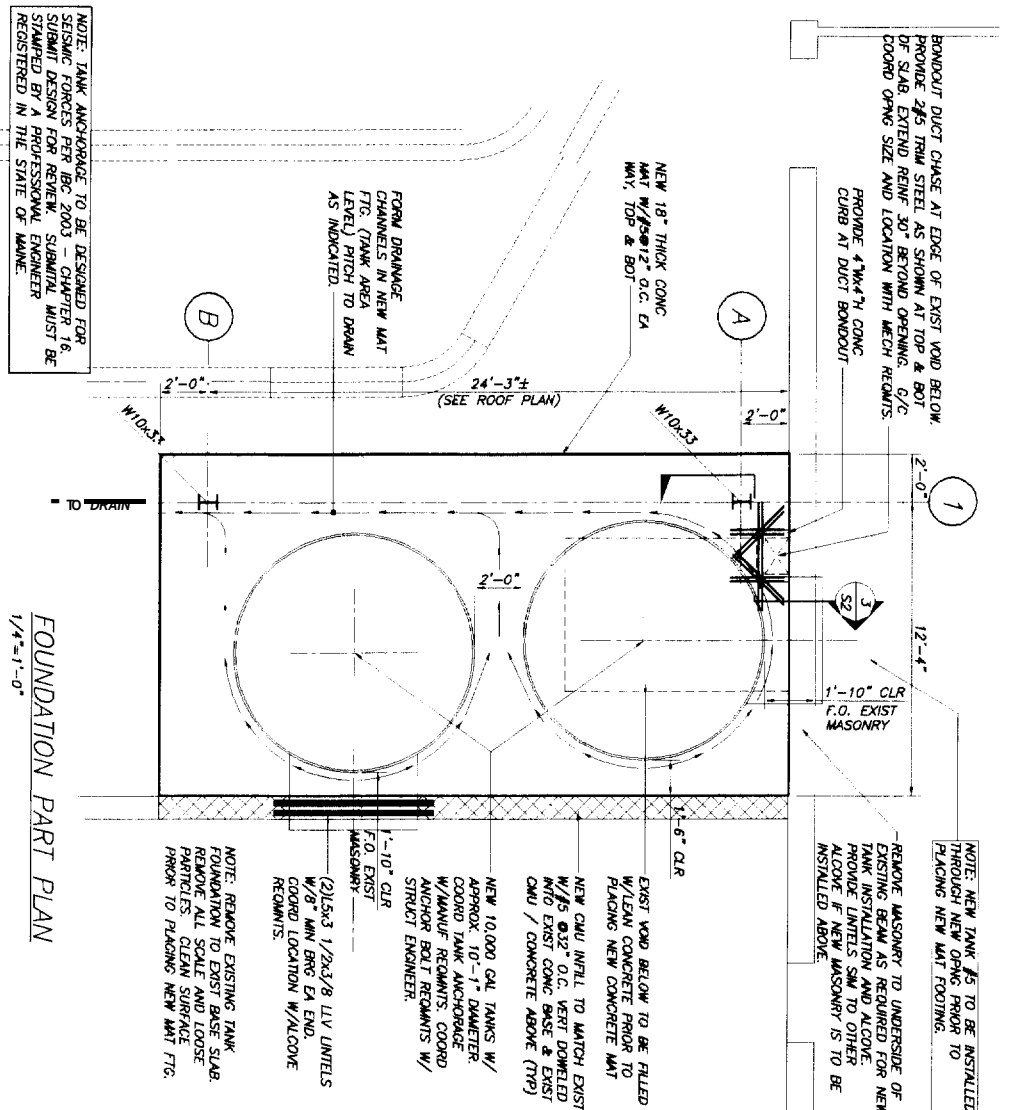
Scale
1/8"=1'-0"
1/4"=1'-0"
1/2"=1'-0"
1"=1'-0"



- GENERAL NOTES**
1. THE NOTES ON THESE DRAWINGS ARE NOT INTENDED TO REPLACE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO GENERAL NOTES. INCONSISTENCIES BETWEEN THESE DRAWINGS AND THE SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH THE AFFECTED PORTION OF THE WORK.
 2. ALL DIMENSIONS, EXISTING CONDITIONS, AND AS-BUILT CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.
 3. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE ONLY AFTER THE STRUCTURAL WORK CONTAINED IN THE S.D. DRAWINGS IS COMPLETED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING TEMPORARY BRACING. THE ADDITION OF NECESSARY SHORING, SHEETING, PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.
 4. SECTIONS AND DETAILS SHOWN ON ANY STRUCTURAL DRAWINGS SHALL BE CONSIDERED TYPICAL FOR SIMILAR CONDITIONS AS DETERMINED BY THE STRUCTURAL ENGINEER. THE STRUCTURAL ENGINEER RESERVES THE RIGHT TO INTERPRET DETAILS TO ADDRESS OTHER PROJECT CONDITIONS.
 5. THE CONTRACTOR SHALL SUBMIT COMPLETE SHOP DRAWINGS FOR ALL PARTS OF THE WORK FOR REVIEW AND APPROVAL BY THE STRUCTURAL ENGINEER. THE WORK INCLUDING, BUT NOT LIMITED TO, DEMOLITION OF EXISTING STRUCTURES, FABRICATION OR ERECTION OF NEW STRUCTURAL ELEMENTS SHALL BE SUBMITTED WITHOUT REVIEW OF THE SHOP DRAWINGS BY THE STRUCTURAL ENGINEER. RETURNED, FOR SHOP DRAWINGS AND SUBMITTALS REQUIRED, REFERENCE THE PROJECT SPECIFICATIONS.
 6. ALL APPLICABLE FEDERAL, STATE, AND MUNICIPAL REGULATIONS SHALL BE FOLLOWED, INCLUDING THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT.
 7. IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE (2003 EDITION, SECTION 1704.1), A STATEMENT OF SPECIAL INSPECTORS IS REQUIRED AS A CONDITION FOR PERMIT ISSUANCE BY THE LOCAL CODE OFFICIAL. THIS STATEMENT SHALL INCLUDE A COMPLETE LIST OF MATERIALS AND WORK REQUIRING SPECIAL INSPECTORS, THE NAMES AND FIRMS INTENDED TO BE RETAINED FOR CONDUCTING SUCH INSPECTIONS.
 8. REFERENCE THE PROJECT SPECIFICATIONS FOR ALL TESTING REQUIREMENTS.

COLD FORMED FRAMING NOTES

1. PRODUCTS AND INSTALLATION SHALL MEET THE REQUIREMENTS OF ANSI SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS, 1996 EDITION & 1999 SUPPLEMENT, AND SPECIFICATION FOR WELDING SHEET STEEL IN STRUCTURES, D1.3, ASTM 653 STANDARD SPECIFICATION FOR SHEET STEEL, ZINC (GALVANIZED) OR ZINC-IRON ALLOY-COATED (GALVALUME) BY THE HOT DIP PROCESS AND ASTM-955 STANDARD SPECIFICATION FOR LOAD BEARING (TRANSVERSE AND AXIAL) STEEL STUDS, RUNNER (TRACK) AND BRACING AND BRIDGING, FOR SCREW APPLICATION OF Gypsum BOARD AND METAL PLASTER BASES.
2. FRAMING MATERIALS SHALL BE AS INDICATED ON THE DRAWINGS AS MANUFACTURED BY: DERRICH INDUSTRIES, INC. 500 GRANT ST., SUITE 2226, PITTSBURGH, PA. 15219. (412) 281-2800. TEMPORARY MANUFACTURERS MAY BE ACCEPTABLE PENDING SUBMITTAL REVIEW AND APPROVAL OF MANUFACTURER'S DATA SHEETS.
3. ALL GALVANIZED STUDS, JOISTS, TRACK, BRACING AND ACCESSORIES SHALL BE FORMED FROM STEEL HAVING A G-90 COATING MEETING ASTM C 955.
4. WALL BRIDGING AND SOLID BRIDGING SHALL BE PROVIDED TO BRACE STUDS AGAINST ROTATION. INSTALL WALL BRIDGING AND BRIDGING PER DETAILS THIS DWG.
5. SCREWS SHALL BE SELF-DRILLING, SELF-TAPPING, ZINC COATED AND NOT LESS THAN #10.
6. SCREW PENETRATION THROUGH JOINED MATERIALS SHALL NOT BE LESS THAN THREE EXPOSED SCREW THREADS.
7. PROTECTIVE COATINGS ON SCREW FASTENERS SHALL BE COMPATIBLE WITH LIGHT GAGE MATERIAL BEING JOINED.
8. CONTRACTOR SHALL REFER TO INSTALLATION INSTRUCTIONS PUBLISHED BY THE SCREW MANUFACTURER AND ASTM C508 FOR MINIMUM SPACING AND EDGE DISTANCE REQUIREMENTS AND TORQUE REQUIREMENTS.
9. CUTTING OF COLD FORMED STEEL FRAMING SHALL BE BY SAW, SHEAR OR PLASMA CUTTING EQUIPMENT. OXYACETYLENE TORCH CUTTING IS NOT PERMITTED.
10. TEMPORARY BRACING SHALL BE PROVIDED AND REMAIN IN PLACE UNTIL WORK IS PERMANENTLY STABILIZED.
11. TOP TRACKS SHALL BE CONTINUOUS, WHERE SPACING OF TRACK IS NECESSARY BETWEEN STUD SPACING, A PIECE OF STUD SHALL BE PLACED BETWEEN ADJACENT TRACKS AND FASTENED BY WELDS OR SCREWS TO EACH SIDE OF THE TRACK, EACH END, UNO.
12. SPLACING OF FRAMING COMPONENTS, OTHER THAN TRACK, IS NOT PERMITTED.
13. A SEALANT SHALL BE APPLIED TO CONCRETE OR MASONRY SURFACES PRIOR TO ANCHORING TRACKS.
14. PROVIDE HORIZ STRAP BRIDGING FOR ALL WALLS. HORIZ BRIDGING SHALL BE CONT 20K x 1 1/2 (2MM) WIDE STEEL STRAPS ON EA FACE OF STUD, LOCATED AT 20K x 4'-0" ON CENTER FOR THE FULL HEIGHT OF THE WALL. STUD TRACK SHOULD BRIDGING AT 10'-0" ON CENTER ALONG THE WALL AT EA LINE OF BRIDGING. ALTERNATELY, BRIDGING CHANNELS AND BRIDGING CLIPS MAY BE USED.



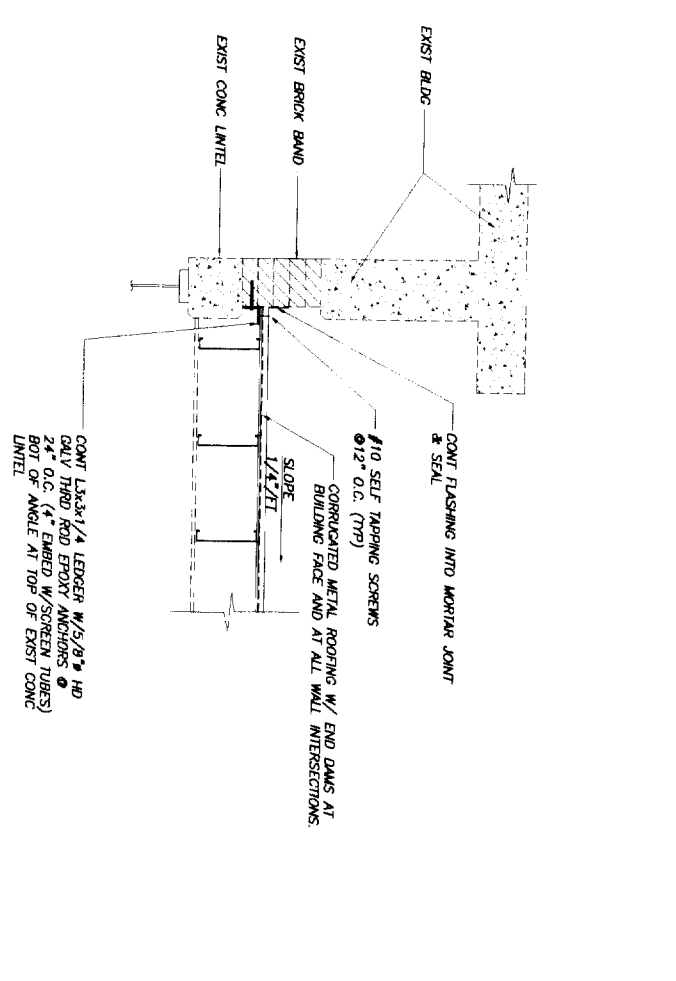
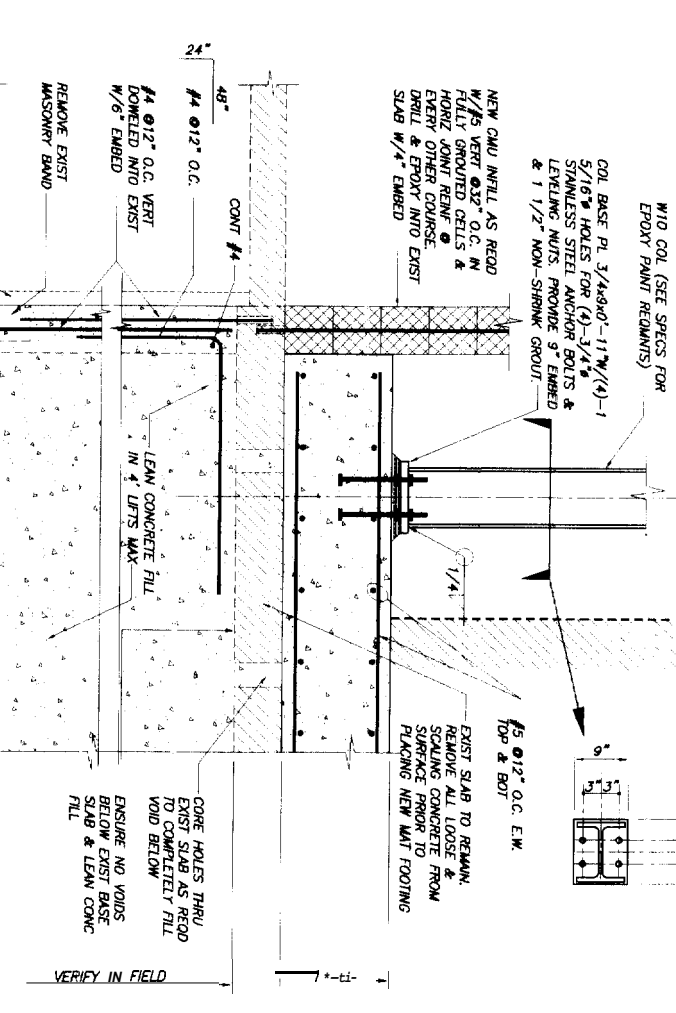
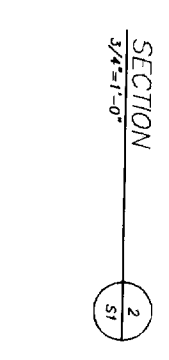
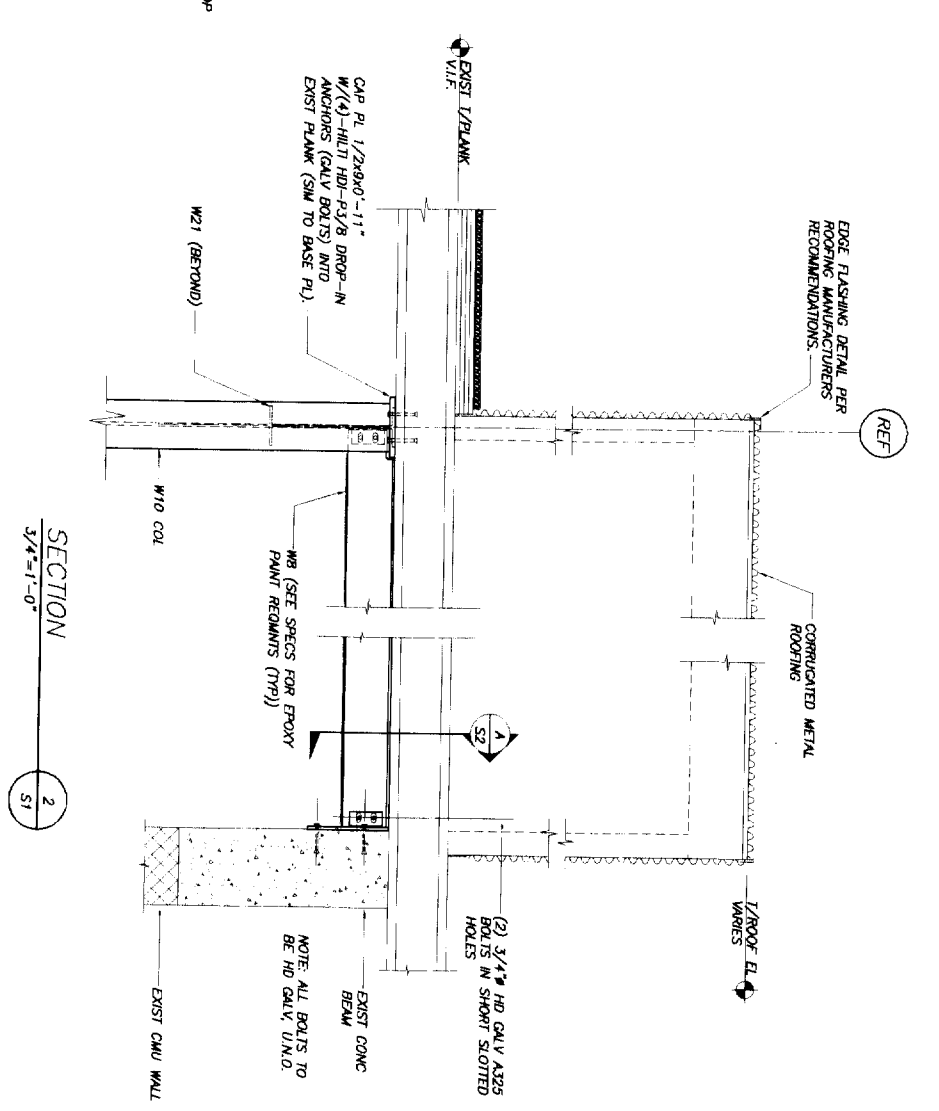
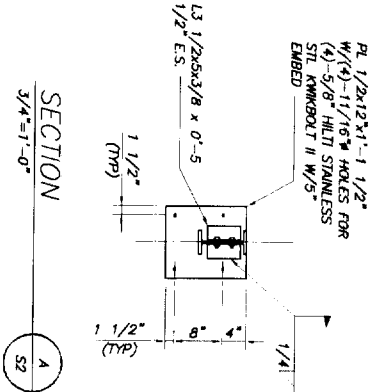
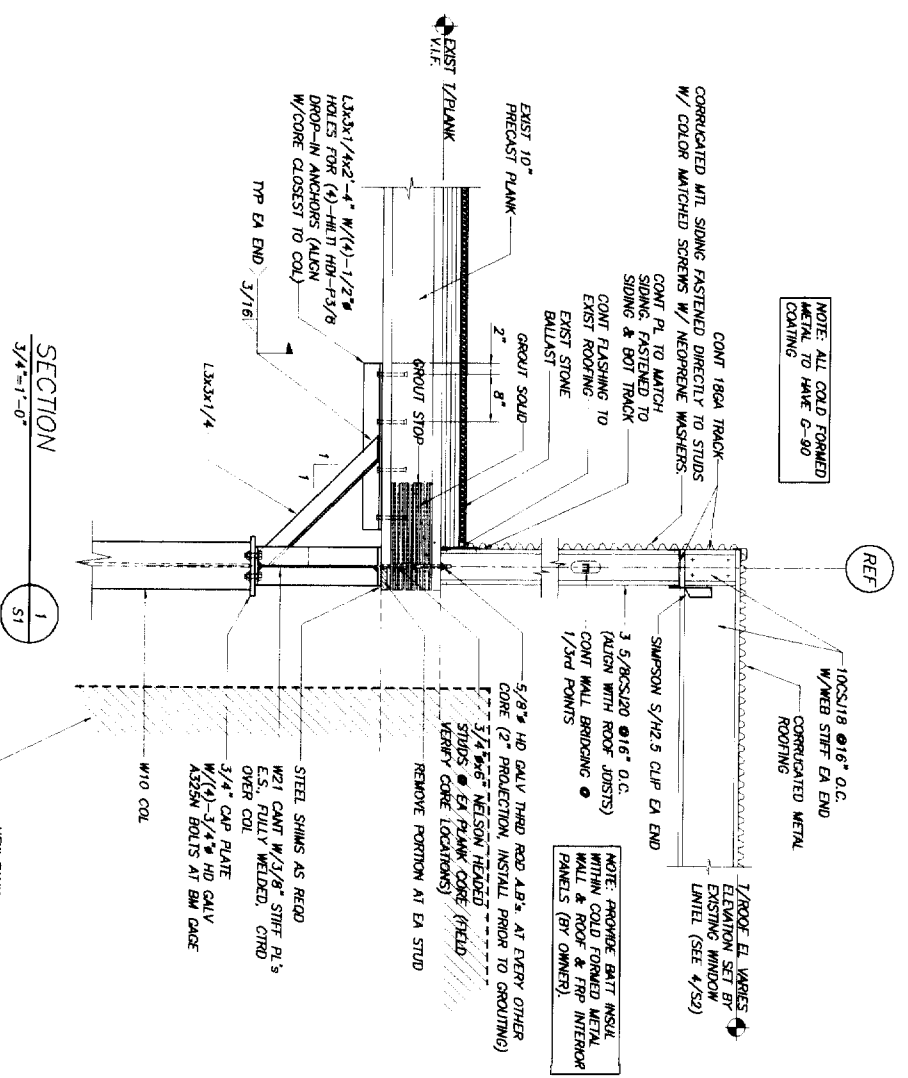
- DESIGN LOADS**
1. BUILDING CODE: INTERNATIONAL BUILDING CODE, 2003 EDITION, ASSE - 02, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.
 2. DESIGN TANK LOADS: TANK SELF WEIGHT: 12000 LBS. TANK CAPACITY: 98000 LBS.
 3. DESIGN ROOF SNOW LOAD: GROUND SNOW LOAD (Pg): 60 PSF. SNOW EXPOSURE FACTOR (Ce): 1.0. SNOW LOAD IMPORTANCE FACTOR (Is): 1.0. SNOW LOAD THERMAL FACTOR (Ct): 1.0. FLAT ROOF SNOW LOAD (Pf): 42 PSF + DWMT.
 4. DESIGN WIND LOAD: BASIC WIND SPEED: 100 MPH. WIND EXPOSURE: 1,000. INTERNAL PRESSURE COEFFICIENT: 0.18. COMPONENTS & CLADDING LOADS PER ASCE 7-02.
 5. DESIGN SEISMIC LOADS: EQUIVALENT LATERAL FORCE PROCEDURE. SEISMIC USE GROUP: 1.0. SEISMIC IMPORTANCE FACTOR (Ia): 1.0. MAPPED SPECTRAL RESPONSE ACCELERATIONS: Ss: 0.365. S1: 0.365.
- SEISMIC SITE CLASS: D**
- SPECTRAL RESPONSE COEFFICIENTS:**
 S_{ds}: 0.371
 S_{d1}: 0.157
- BASIC STRUCTURAL SYSTEM: BUILDING FRAME SYSTEM**
- SEISMIC FORCE RESISTING SYSTEM: LIGHT FRAMED WALLS WITH SHEAR PANELS - ALL OTHER MATERIALS RESPONSE MODIFICATION FACTOR (R): 2.5**

- CONCRETE NOTES**
1. CONCRETE WORK SHALL CONFORM TO "ACI MANUAL OF CONCRETE PRACTICE", LATEST EDITION. THIS PUBLICATION IS AVAILABLE THROUGH THE AMERICAN CONCRETE INSTITUTE (249) 848-3800.
 2. ALL CONCRETE SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH OF 3000 PSI. UNO. ADDITIONAL CONCRETE MIX PERFORMANCE DATA INCLUDING AIR, SET, FLOW, WATER-CEMENT RATIO, AIR CONTENT, AGGREGATE SIZE, SLUMP, ETC. HAS BEEN INCLUDED IN THE PROJECT SPECIFICATIONS. SEE THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 3. SHALL NOT BE PLACED IN WATER.
 4. REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60 DEFORMED BARS AND SHALL BE BLENDED, FURNISHED AND PLACED IN ACCORDANCE WITH ACI 315, LATEST EDITION.
 5. MINIMUM CONCRETE PROTECTIVE COVERING FOR REINFORCEMENT, UNLESS NOTED OTHERWISE, SHALL BE AS FOLLOWS:
 - A) SURFACES CAST AGAINST AND PERMANENTLY IN CONTACT WITH EARTH, 3"
 - B) FORMED SURFACES IN CONTACT WITH EARTH OR EXPOSED TO WEATHER #5 BARS, 5/8" DIAMETER WIRE, AND SMALLER, 1.5"
 6. WELDING OF REINFORCEMENT IS NOT PERMITTED.
 7. FOR ALL OPENINGS IN CONCRETE PROVIDE SUPPLEMENTAL REINFORCING AROUND OPENING AS SHOWN ON THE CONTRACT DOCUMENTS TYPICAL DETAILS.
 8. ANCHOR ROOST SHALL BE CONFORMING TO ASTM F1554, GRADE 36, CS.
- STRUCTURAL STEEL NOTES**
1. STRUCTURAL STEEL FABRICATION, ERECTION, AND CONNECTION DESIGN SHALL CONFORM TO AISC "SPECIFICATION FOR THE DESIGN FABRICATION, AND ERECTION OF STRUCTURAL STEEL" 9TH EDITION, AND THE CODE OF STANDARD PRACTICE, LATEST EDITION.
 2. STRUCTURAL STEEL STEEL PLATES, SHAPES, AND BARS CONFORM TO ASTM A36 UNLESS NOTED OTHERWISE (UNO). STRUCTURAL STEEL SHAPES DESIGNATED ON THE DRAWINGS FOR WIDE-FLANGE SECTIONS, ASTM A992 (ASTM A572 GRADE 50 WITH SPECIAL REQUIREMENTS PER AISC TECHNICAL BULLETIN #3 DATED MARCH, 1997).
 3. FIELD CONNECTIONS SHALL BE BOLTED USING ASTM A325N HIGH STRENGTH BOLTS (UNO).
 4. WHERE WELDING IS INDICATED, ALL WELDING SHALL CONFORM TO AWS D1.1, LATEST EDITION. ELECTRODES SHALL BE CONFORM TO AWS A5.1 E70XX SERIES WITH PROPER ROD TO PRODUCE OPTIMAL WELD (LOW HYDROGEN).
 5. SEE CONCRETE NOTES AND DRAWINGS FOR ANCHOR BOLT INFORMATION, TYP.
 6. PROVIDE 3/8" MINIMUM STIFFENER PLATES EACH SIDE OF BEAM WEB AT BEAMS FRAMING OVER COLUMNS AND AT BEAMS SUPPORTING COLUMNS ABOVE.
- MASONRY NOTES**
1. ALL MASONRY CONSTRUCTION SHALL CONFORM TO ACI 530.1-02.
 2. ALL CONCRETE MASONRY UNITS SHALL BE ASTM C90 GRADE N, TYPE 1 STANDARD WEIGHT BLOCKS INCLUDING STRETCHERS AND CORNER BLOCKS. MINIMUM PRISM STRENGTH OF BLOCK SHALL BE F_m = 1500 PSI IN 28 DAYS.
 3. MORTAR SHALL CONFORM TO ASTM SPECIFICATION C270, TYPE M OR S.
 4. GROUT SHALL CONFORM TO ASTM C476.
 5. REINFORCING FOR BOND BEAMS, UNITS, BLOCKS AND VERTICAL WALL.
 6. HORIZONTAL JOINT REINFORCING SHALL BE DWR-0-WAL TRUSS DESIGN, STANDARD GLASS WIRE GALVANIZED WITH 3/16" DIAMETER SIDE RODS AND 9 GAUGE CROSS TIES. REINFORCING SHALL BE PLACED IN MASONRY WALLS AT EVERY SECOND BLOCK COURSE.
 7. CONCRETE MASONRY UNITS SHALL BE Laid IN RUNNING BOND UNLESS OTHERWISE NOTED. PROVIDE FULL MORTAR COVERAGE ON ALL WEBS AND FACE SHELLS PROVIDE CORNER BLOCKS AND END BLOCKS TO FINISH ALL 90 DEGREE CORNERS AND WALL OPENINGS.
 8. PROVIDE UNITS AT WALL PENETRATIONS AS SHOWN.
 9. STANDARD LAP LENGTH OF GRADE 60 MASONRY REINFORCING BARS SHALL BE 48 BAR DIAMETERS.
 10. CELLS TO BE GROUTED SHALL BE 2-CELL BLOCK. ALSO CELLS TO MAINTAIN A CLEAR UNSTRUCTURED, CONTINUOUS VERTICAL CHASE. CELLS MUST BE KEPT CLEAN OF PROTRUSIONS OR FINS OF MORTAR. FILL CELLS OF MASONRY UNITS AND WITHOUT CLEAN-OUTS SHALL BE 4'-0" HIGH LEFT GROUTING SHALL CONFORM TO CODE REQUIREMENTS WITH A MINIMUM GROUT CONTENT OF 8 SACKS PER CUBIC YARD. SUPPORT ALL VERTICAL BARS IN CENTER OF GROUTED CELLS WITH VERTICAL BAR POSTIONER.
 11. FIELD PENETRATIONS THROUGH BLOCK WALLS SHALL NOT BE MADE THROUGH BOND BEAMS. UNITS OR GROUTED CELLS.

KEY PLAN

ISSUED FOR PERMIT

NOTE: ALL COLD FORMED METAL TO HAVE G-90 COATING



SECTION 3
3/4"=1'-0"

SECTION 4
3/4"=1'-0"