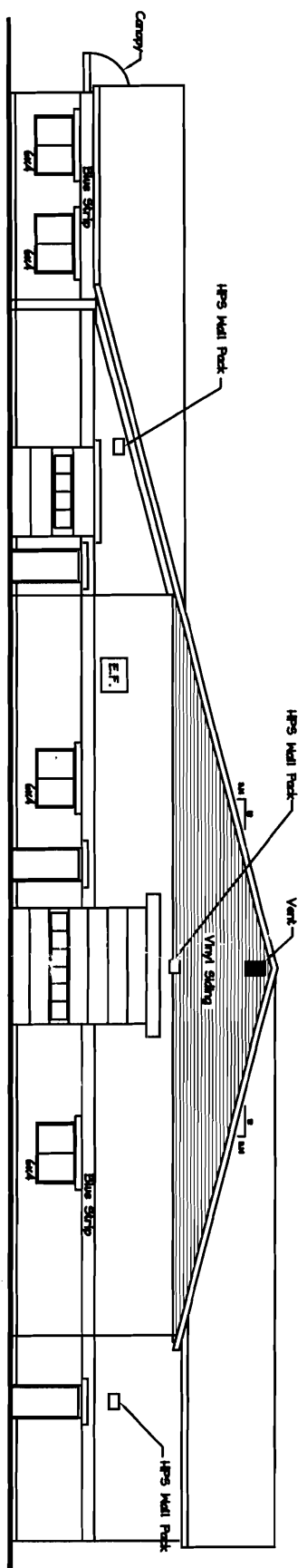
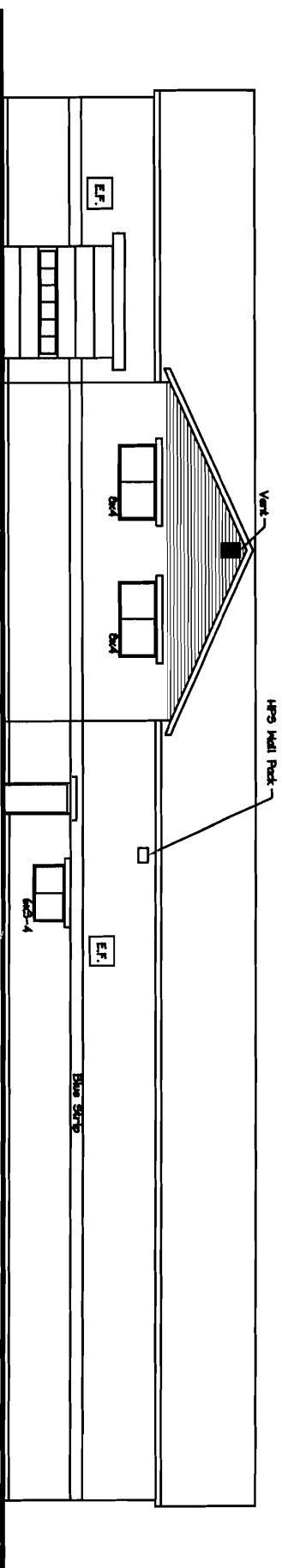


LEFT ELEVATION  
Scale: 1/8" = 1'-0"

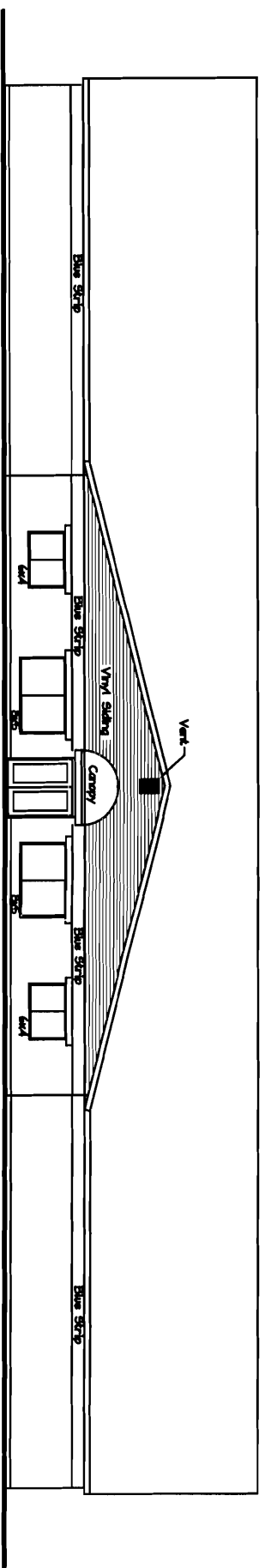
**SPF**



RIGHT ELEVATION  
Scale: 1/8" = 1'-0"



REAR ELEVATION  
Scale: 1/8" = 1'-0"



FRONT ELEVATION  
Scale: 1/8" = 1'-0"

CURRENT REVISION	
DATE	DESCRIPTION

MOODY'S COLLISON CENTER

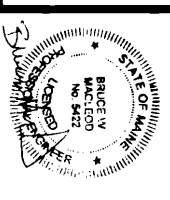
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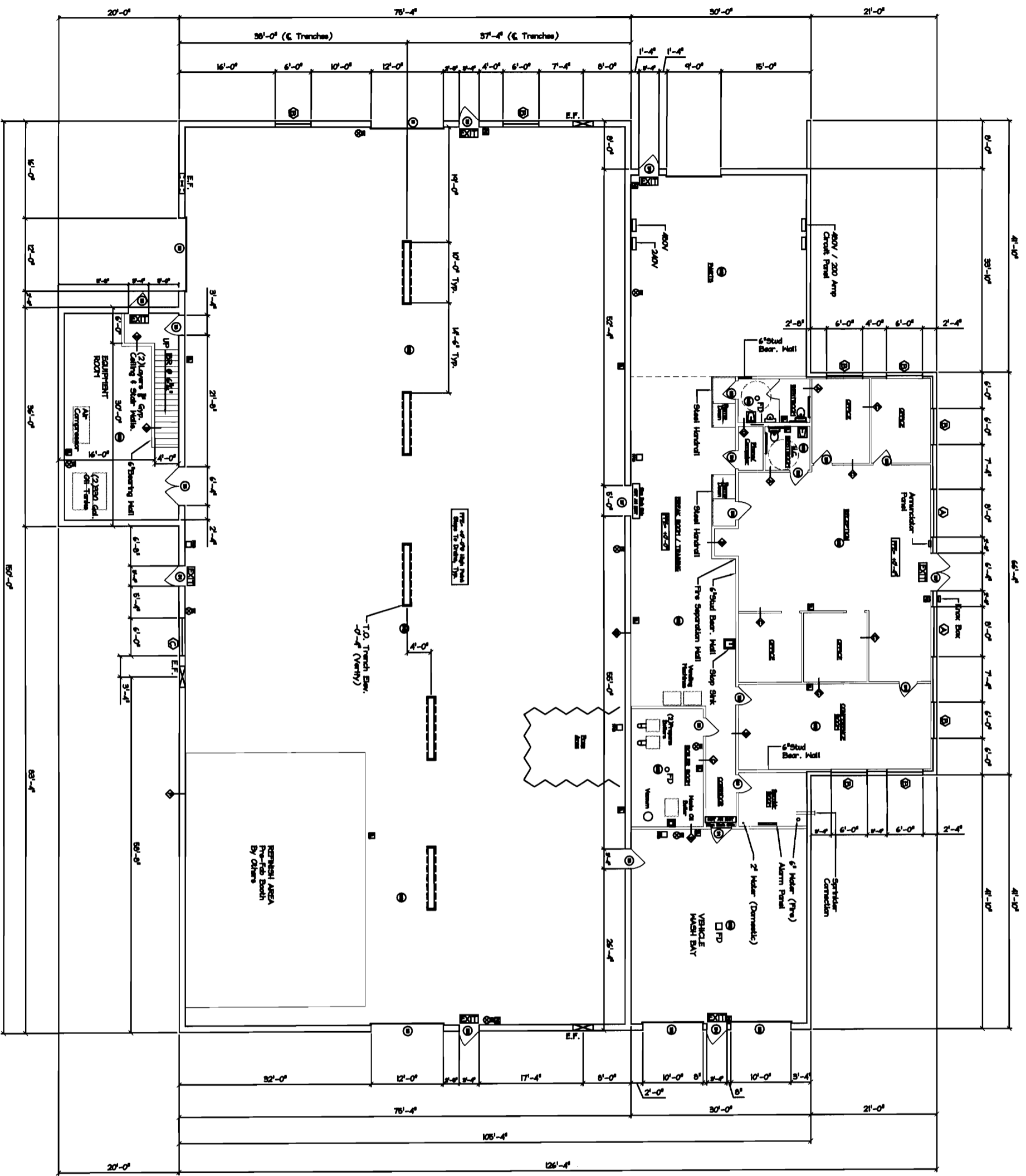


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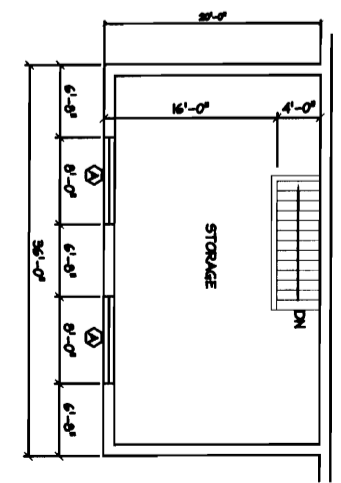
DESIGNED BY: BMW  
CHECKED BY: BMW  
DATE: 10/22/07  
SCALE: AS NOTED  
PROJECT NO.: 2007-277

SHEET TITLE:  
EXTERIOR ELEVATIONS

AI OF 13

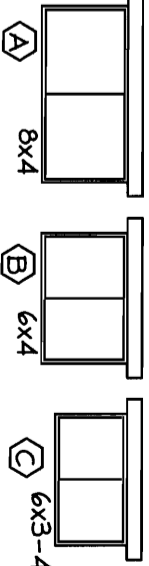


FIRST FLOOR PLAN  
Scale: 1/8" = 1'-0"



SECOND FLOOR PLAN  
Scale: 1/8" = 1'-0"

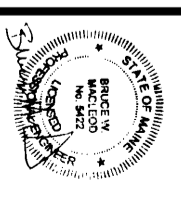
TYPE	SIZE	MTRL	TYPE	REMARKS
A	8'-0"x4'-0"	ALUMINUM	FIXED GLASS	
B	6'-0"x4'-0"	ALUMINUM	FIXED GLASS	
C	6'-0"x3'-4"	ALUMINUM	FIXED GLASS	



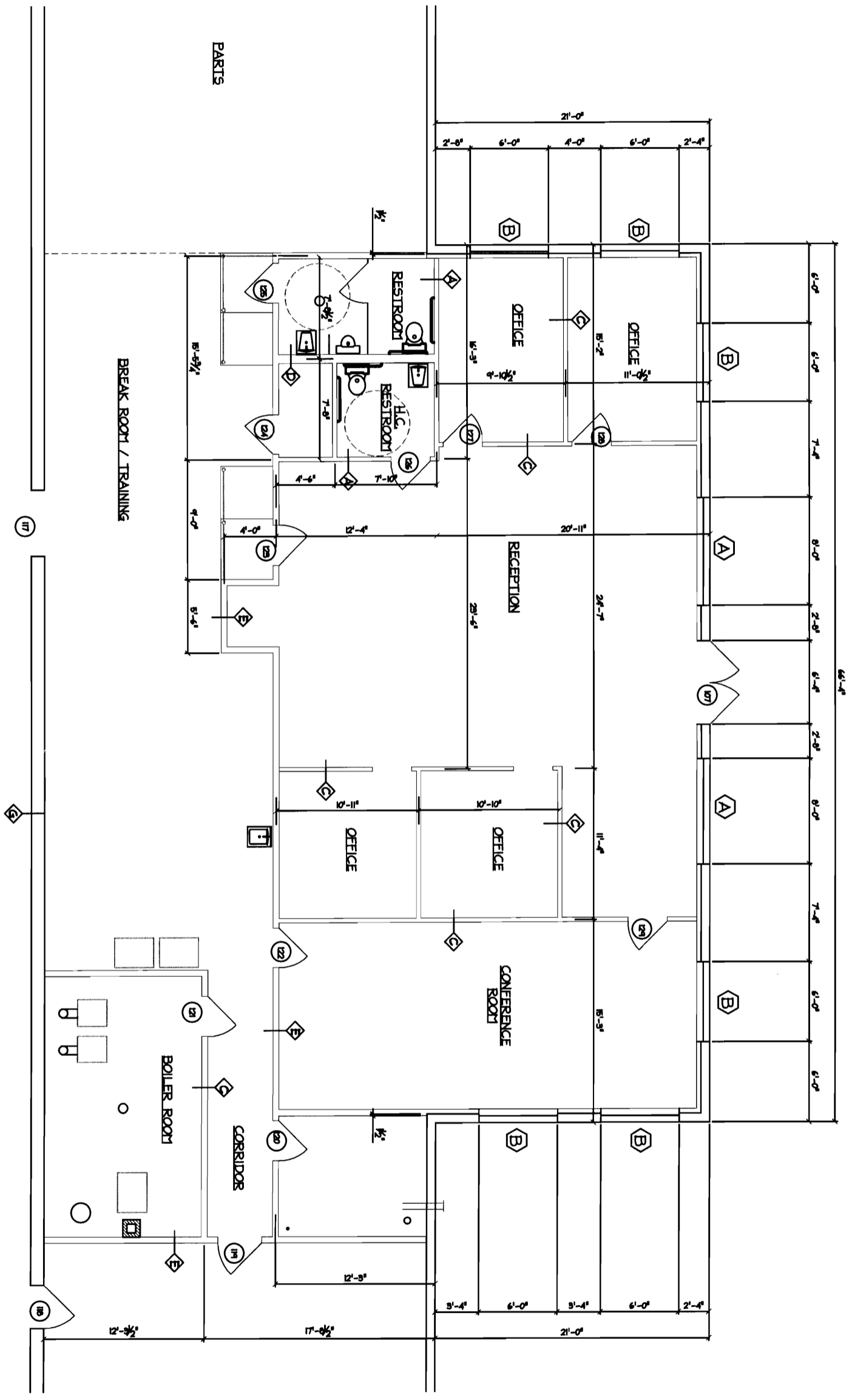
- FIRE SAFETY LEGEND**
- STORAGE DETECTOR
  - FALL STATION
  - FIRE DETACHABLE
  - EMERGENCY LIGHT/ SIGN STORAGE RACK
  - FIRE ALARM BELL

#	DATE	DESCRIPTION

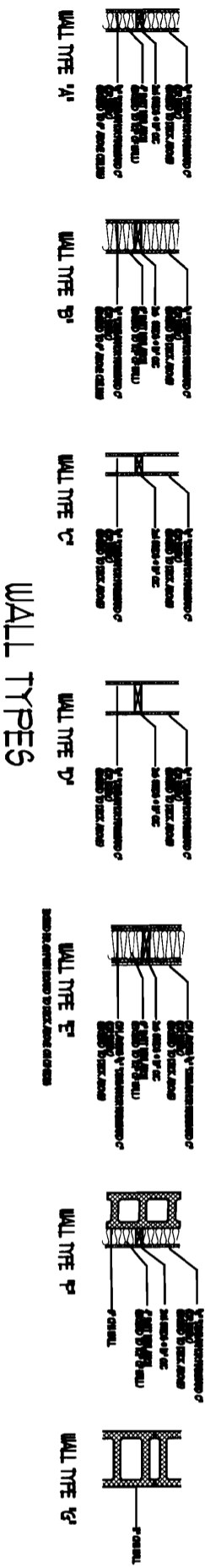
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 404 Main Street  
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 fax: (207) 839-0982



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 Drawn By: BMD  
 Checked By: BMD  
 Date: 1/08/07  
 Scale: As Noted  
 Project No: 2007-277



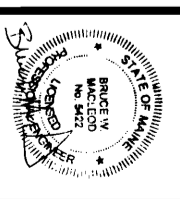
PART PLAN - FIRST FLOOR  
Scale: 1/8" = 1'-0"



CURRENT REVISION		
#	DATE	DESCRIPTION

MOODY'S COLLISON CENTER

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 CHECKED BY: BMM  
 DATE: 1/06/07  
 SCALE: AS NOTED  
 PROJ. NO.: 2007-877



**GENERAL NOTES:**

- STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR LOCATIONS AND DIMENSIONS OF OPENINGS, CHASES, INSERTS, REGLETS, SLEEVES, DEPRESSIONS, AND OTHER DETAILS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
- ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.
- THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO ENSURE SAFETY OF THE STRUCTURE AND PERSONNEL DURING ERECTION. THIS INCLUDES THE ADDITION OF THE NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUTS OR TIEDOWNS. SUCH MATERIAL SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.
- ALL APPLICABLE FEDERAL, STATE, AND MUNICIPAL REGULATIONS SHALL BE FOLLOWED, INCLUDING THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT.
- IT IS THE OWNER'S SOLE RESPONSIBILITY TO EMPLOY ONE OR MORE SPECIAL INSPECTORS (IF REQUIRED) TO PROVIDE INSPECTIONS IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF IBC 2003.

**FOUNDATION NOTES:**

- FOUNDATION DESIGNED BASED ON A REPORT BY SEBAGO TECHNICS DATED 12/7/07. ALLOWABLE BEARING PRESSURE OF 1500 PSF. IT IS THE RESPONSIBILITY OF THE OWNER/CONTRACTOR TO VERIFY THE SOIL BEARING CAPACITY. NOTIFY THE ENGINEER AND STOP WORK IF CLAY, WET SOILS, FILL, OR OTHER DELETERIOUS MATERIALS ARE ENCOUNTERED.
- DESIGN OF EXTERIOR FOUNDATIONS IS BASED ON A FROST DEPTH OF 4'-6" BELOW FINISHED GRADE.
- NO HORIZONTAL JOINT WILL BE PERMITTED IN THE WALLS UNLESS NOTED OTHERWISE.
- EXCAVATING AND BACK FILLING AT NEW AND EXISTING FOUNDATION WALLS SHALL BE DONE SUCH THAT SYMMETRICAL LOADING SHALL BE MAINTAINED ON BOTH SIDES. WHERE DESIGN CONDITIONS REQUIRE DIFFERENT BACK FILL HEIGHTS, WALLS SHALL BE FIRMLY SHORED IN POSITION, AND SHORES SHALL REMAIN UNTIL FLOORS ARE PLACED AND PROPERLY SET, TO PROVIDE FULL SUPPORT.
- VAPOR BARRIER BENEATH SLAB SHALL BE "STEGO WRAP" OR APPROVED EQUAL. POLYETHYLENE "IS NOT" AN ALTERNATE PRODUCT.
- PROVIDE AND INSTALL (2) #4 BARS 4'-0" LONG AT EACH RE-ENTRANT CORNER. BAR SHALL BE PLACED AT 45° TO OPENING.

**WOOD FRAMING NOTES:**

- STRUCTURAL LUMBER: SPRUCE PINE FIR NO.1/2 OR BETTER  
Fb = 875 PSI Fv = 70 PSI  
Fc = 1150 PSI E = 1400000 PSI
- DESIGN CODE: IBC 2003 / NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION BY THE NATIONAL FOREST PRODUCTS ASSOCIATION.
- NAILING REQUIREMENTS FOR PLYWOOD ROOF DECK: PROVIDE 8d NAILS AS FOLLOWS UNLESS SHOWN OTHERWISE:  
8d NAILS @ 6" o.c. ALONG PANEL EDGES  
8d NAILS @ 8" o.c. ALONG INTERMEDIATE MEMBERS
- SPIKE TOGETHER ALL FRAMING MEMBERS WHICH ARE BUILT-UP USING MULTIPLE 2x LUMBER.
- PROVIDE GALVANIZED METAL TIES EQUAL TO SIMPSON H2.5 HURRICANE TIES BETWEEN ROOF RAFTERS OR TRUSSES AND SUPPORTING WALL MEMBERS, UNLESS SHOWN OTHERWISE.
- PROVIDE PRESSURE TREATED LUMBER FOR ALL LUMBER IN CONTACT WITH MASONRY OR CONCRETE.
- ROOF SHEATHING: 5/8" APA RATED SHEATHING, EXTERIOR OR STRUCTURAL I OR II RATED SHEATHING, SPAN RATING 32/16 (TRUSSES), 24/12 (JOISTS). INSTALL SHEETS WITH FACE GRAIN DIRECTION PERPENDICULAR TO SUPPORTING MEMBERS.
- PROVIDE 1/2" THRU BOLTS STAGGERED @ 24" O.C. FOR ATTACHMENT OF 2x NAILER AT TOP & BOTTOM OF WF BEAM (COORDINATE w/ PLANS)
- ALL NAILS, SPIKES, BOLTS ETC. CONNECTING PRESSURE TREATED LUMBER SHALL BE EITHER STAINLESS STEEL OR HEAVY GALVANIZED.

**WOOD TRUSS NOTES:**

- DESIGN CRITERIA FOR ROOF SYSTEM:  
A. LIVE LOAD (SNOW) PER STRUCTURAL DESIGN CRITERIA  
B. DEAD LOAD  
C. TOP CHORD PER STRUCTURAL DESIGN CRITERIA  
D. MIND LOAD PER STRUCTURAL DESIGN CRITERIA  
E. LOAD COMBINATIONS PER IBC 2003 INTERNATIONAL BUILDING CODE  
F. ALLOWABLE DEFLECTION = L/360  
G. PROVIDE BOTTOM CHORD CAMBER EQUAL TO THE TRUSS DEAD LOAD DEFLECTION.
- MATERIALS:  
A. STRESS GRADED LUMBER, METAL PLATE CONNECTORS
- APPLICABLE SPECIFICATIONS:  
A. NATIONAL DESIGN SPECIFICATIONS FOR STRESS GRADE LUMBER AND ITS FASTENING (NDS).  
B. MOST RECENT AISC STANDARDS.  
C. DESIGN SPECIFICATIONS FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES. TPI LATEST EDITION.
- BRACING:  
A. TRUSS MANUFACTURER SHALL SPECIFY ALL BRACING FOR BOTH TEMPORARY CONSTRUCTION LOADING AND FOR PERMANENT LATERAL SUPPORT OF COMPRESSION MEMBERS, GABLE END WALLS, AS WELL AS ERECTION PROCEDURES.  
B. MINIMUM BRACING REQUIREMENTS AND INSTRUCTIONS FURNISHED BY TRUSS MANUFACTURER SHALL INCLUDE AND CONFORM TO HB-91.  
C. ALL TEMPORARY AND PERMANENT BRACING SHALL BE MINIMUM 2x4 SPF No. 2 MATERIAL CONNECTED WITH MINIMUM 2-1/4" NAILS AT ALL CONNECTIONS, UNLESS OTHERWISE SPECIFIED BY TRUSS MANUFACTURER OR HB-91.  
D. THE CONTRACTOR SHALL COMPLY WITH THE "COMMENTARY AND RECOMMENDATIONS FOR HANDLING, INSTALLING, AND BRACING METAL PLATE CONNECTED WOOD TRUSSES, HB-91." IT IS THE RESPONSIBILITY OF THE INSTALLER/CONTRACTOR TO PROPERLY RECEIVE, UNLOAD, STORE, HANDLE, INSTALL, AND BRACE TRUSSES TO PROTECT LIFE AND PROPERTY.
- ALL FABRICATED TRUSSES SHALL RECEIVE THE TPI MARK OF APPROVAL IN ACCORDANCE WITH THE TRUSS PLATE INSTITUTE PROCEDURES.
- SUBMIT TRUSS SHOP DRAWINGS FOR REVIEW PRIOR TO TRUSS MANUFACTURE.
- ANY VARIATIONS BY THE TRUSS MANUFACTURER FROM THESE DRAWINGS INCLUDING BUT NOT LIMITED TO THE NEED FOR BIRD MOUTHS SHALL BE CLEARLY NOTED ON THE TRUSS DRAWINGS. APPROPRIATE DETAILS SHALL BE PROVIDED, WHICH SHOW SUCH VARIATIONS. ALL VARIATIONS SHALL BE APPROVED BY THE ENGINEER.

**STRUCTURAL DESIGN CRITERIA:**

- BUILDING CODE: IBC 2003 INTERNATIONAL BUILDING CODE
- DESIGN WIND LOADS - MAIN WIND FORCE RESISTING SYSTEM:  
DESIGN WIND SPEED = 100 MPH  
BUILDING USE IMPORTANCE FACTOR (I) = 1.0  
BUILDING EXPOSURE CATEGORY = B  
DESIGN WIND PRESSURE, ROOF: (PITCHED)  
NORMAL TO RIDGE:  
WINDWARD = -13.3 PSF  
LEEWARD = -1.6 PSF  
PARALLEL TO RIDGE FROM EAVE:  
0 TO 11' = -11.1 PSF  
11' TO 22' = -10.8 PSF  
22' TO RIDGE = -13.3 PSF  
DESIGN WIND PRESSURE, WALLS:  
WINDWARD = +10.3 PSF  
LEEWARD = -8.8 PSF  
SIDE WALLS = -1.6 PSF  
DESIGN WIND PRESSURE OVERHANG = -11.1 PSF
- DESIGN WIND LOADS - COMPONENTS AND CLADDING:  
EXPOSURE CATEGORY = B  
DESIGN WIND PRESSURE, WALLS  
PRESSURE = +16.1 PSF  
SUCTION = -17.6 PSF  
-20.3 PSF @ CORNERS  
DESIGN WIND PRESSURE, ROOF: (PITCHED)  
PRESSURE = +13.0 PSF  
SUCTION:  
ZONE 1 = -15.4 PSF  
ZONE 2 = -23.3 PSF  
ZONE 3 = -43.6 PSF
- SNOW:  
GROUND SNOW LOAD = 60 PSF  
IMPORTANCE FACTOR, I = 1.0  
EXPOSURE FACTOR, Ce = 1.0  
FLAT ROOF SNOW LOAD = 42 PSF
- ROOF DEAD LOAD = 10.0 PSF TOP CHORD  
= 10.0 PSF BOTTOM CHORD
- FLOOR LOAD  
CONFERENCE ROOM / ASSEMBLY = 100.0 PSF  
OFFICES = 50.0 PSF  
SECOND FLOOR LIGHT STORAGE AREA = 25.0 PSF

**CONCRETE NOTES:**

- ALL CONCRETE WORK SHALL CONFORM TO ACI-318.
- CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE 3000 PSI, MAXIMUM SIZE AGGREGATE SHALL BE 3/4".
- CONCRETE TO REMAIN EXPOSED TO WEATHER SHALL BE AIR ENTRAINED.
- CONCRETE SHALL NOT BE PLACED IN WATER OR ON FROZEN GROUND.
- NO AIR ENTRAINMENT IN INTERIOR FLOOR SLABS.
- REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60. DEFORMED BARS SHALL BE DETAILED AND FABRICATED IN ACCORDANCE TO ACI-318 LATEST EDITION, AND PLACED IN ACCORDANCE WITH ACI-318.
- SPLICES OF REINFORCING BARS SHALL BE IN ACCORDANCE WITH ACI-318.
- ANCHOR RODS SHALL CONFORM TO ASTM F1554-36.
- HOOKS NOT DIMENSIONED SHALL BE ACI STANDARD HOOKS.
- CONCRETE COVER OVER REINFORCEMENT SHALL BE AS FOLLOWS:  
CONCRETE CAST AGAINST EARTH = 3"  
CONCRETE EXPOSED TO EARTH OR WEATHER = 1 1/2"  
CONCRETE NOT EXPOSED TO EARTH OR WEATHER = 3/4"
- SUBMIT COMPLETE REBAR SHOP DRAWINGS AND SCHEDULES SHOWING ALL DETAILS AND ELEVATIONS PRIOR TO ANY FABRICATION.

**MASONRY GENERAL NOTES:**

- CONCRETE MASONRY SHALL BE ASTM C90, GRADE N, TYPE I. JOINT REINFORCING SHALL BE ASTM A82. GROUT SHALL ASTM C476, TYPE I FINE GROUT. MORTAR SHALL BE ASTM C270 TYPE S. PORTLAND CEMENT SHALL BE ASTM C150 TYPE I. MORTAR SHALL NOT BE USED WHERE GROUT IS SPECIFIED.
- ALL REINFORCING SHALL BE 60,000 PSI YIELD, NEM BILLET STEEL CONFORMING TO ASTM A-615 GRADE 60. SPLICE LENGTHS: #4 BAR = 2'-0" #6 BAR = 2'-6"
- ALL MASONRY BLOCK WALLS SHALL BE OF SINGLE RYTHE CONSTRUCTION, AND LAID IN RUNNING BOND. TOOL ALL JOINTS CONCAVE.
- ALL MASONRY BLOCK WALLS SHALL BE COMPLETE WITH STANDARD TRUSS TYPE HORIZONTAL REINFORCING AS MANUFACTURED BY "DUR-O-WALL" OR APPROVED EQUAL. REINFORCEMENT SHALL BE PLACED AT EVERY SECOND COURSE. PREFABRICATED CORNERS AND TEES SHALL BE USED AS REQUIRED.
- CORNER BLOCKS AND END BLOCKS SHALL BE USED TO FINISH ALL 90° CORNERS AND WALLS OPENINGS.
- ALL STEEL SUPPORTED BY BLOCK WORK SHALL BE ANCHORED BY FIELD WELDING TO BEARING PLATES PROPERLY EMBEDDED IN THE BOND BEAM.
- ALL WALLS TO HAVE VERTICAL CONTROL JOINTS AT A MAXIMUM SPACING OF 25'-0". WHERE CONTROL JOINTS PASS THROUGH BOND BEAM, REINFORCING SHALL BE CONTINUOUS. RAKE JOINT IN BOND BEAM AND SEAL BOTH SIDES.
- HORIZONTAL JOINT REINFORCEMENT:  
A. CONTINUOUS AROUND CORNERS.  
B. DISCONTINUOUS THROUGH CONTROL JOINTS.  
C. PROVIDE ADDITIONAL JOINT REINFORCEMENT IN FIRST TWO BED JOINTS ABOVE AND BELOW WALL OPENINGS EXTEND TO 24" BEYOND OR TO NEXT CONTROL JOINT.

**STRUCTURAL STEEL NOTES - GENERAL:**

- STRUCTURAL STEEL FABRICATION, ERECTION, AND CONNECTION DESIGN SHALL CONFORM TO AISC "SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL" 15th EDITION.
- ALL STEEL SHAPES AND PLATES TO BE ASTM A36 UNLESS NOTED OTHERWISE. ALL WF SHAPES TO BE ASTM A992 GR 50
- STRUCTURAL TUBING SHALL CONFORM TO ASTM A500, GRADE B. STEEL PIPES SHALL BE A53, GRADE B
- THE DESIGN OF CONNECTIONS NOT SHOWN ON THE DRAWINGS SHALL BE PROVIDED BY THE FABRICATOR. CONNECTIONS SHALL BE DESIGNED FOR THE FORCES SHOWN, OR IF NOT SHOWN, EACH CONNECTION SHALL BE CAPABLE OF SUPPORTING ONE HALF THE TOTAL ALLOWABLE UNIFORM LOAD CAPACITY OF THE MEMBER, PER AISC MANUAL OF STEEL CONSTRUCTION. FABRICATOR SHALL PROVIDE CALCULATIONS SEALED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF MAINE FOR ALL CONNECTIONS.
- ALL BOLTED CONNECTIONS SHALL BE MADE WITH 3/4" ASTM A525 HIGH STRENGTH BOLTS.
- WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1 - LATEST EDITION. ALL WELDS SHALL BE MADE WITH E70XX ELECTRODES.
- STEEL BEAMS AND COLUMNS SHALL BE CUT FROM FULL LENGTH STOCK. UNAUTHORIZED SPLICES WILL BE CAUSE FOR REJECTION.
- STRUCTURAL STEEL SHALL BE PAINTED WITH A SHOP APPLIED COAT OF THE FABRICATOR'S RUST INHIBITIVE PRIMER.
- PROVIDE 1/2" THRU BOLTS STAGGERED @ 24" O.C. FOR ATTACHMENT OF 2x NAILER AT TOP & BOTTOM OF WF BEAM (COORDINATE w/ PLANS)
- SUBMIT COMPLETE STRUCTURAL STEEL SHOP DRAWINGS FOR REVIEW PRIOR TO ANY STEEL FABRICATION.


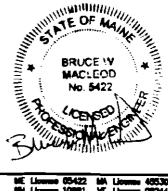
DATE	DESCRIPTION

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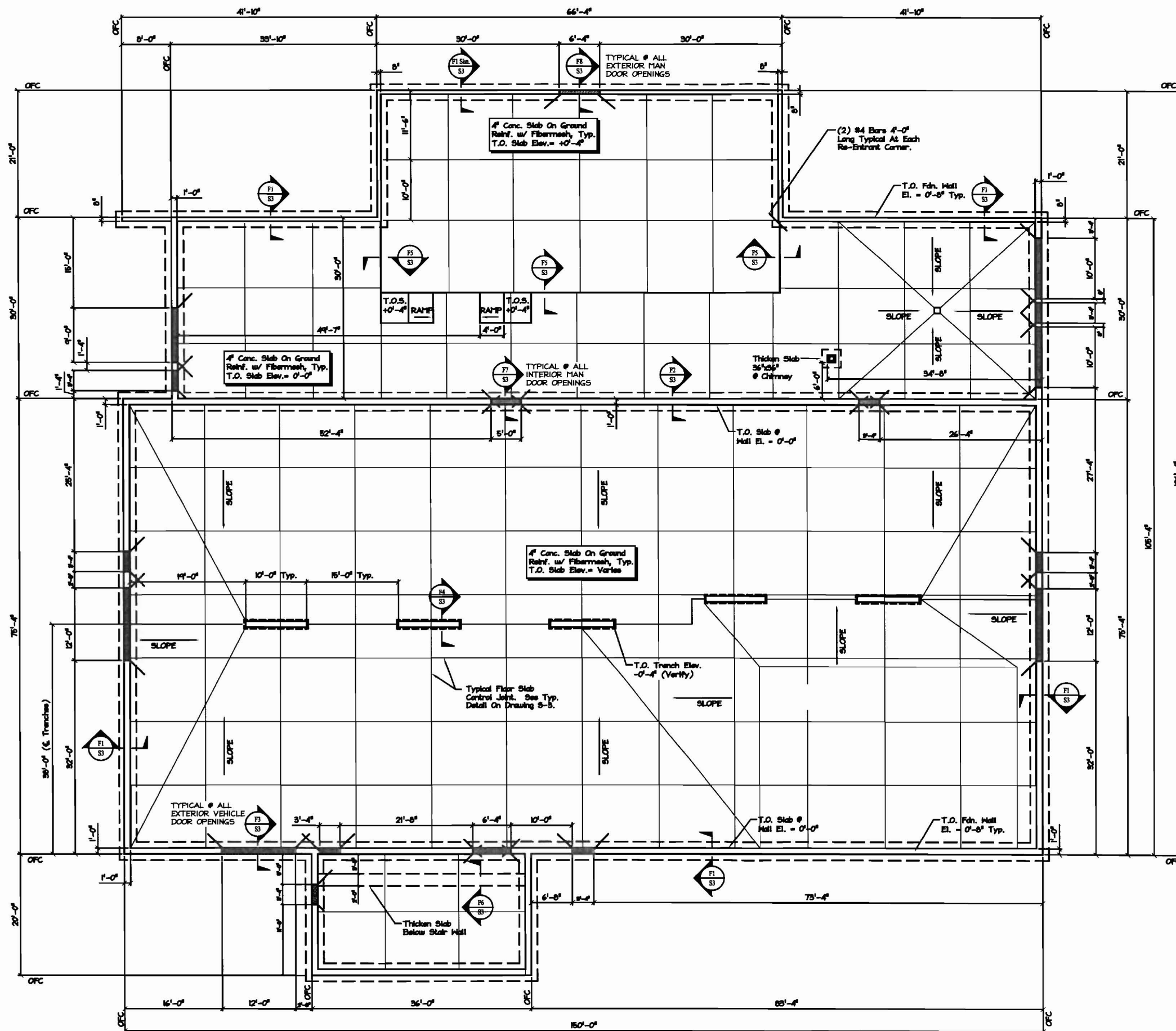



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CHKD BY: EWM  
DATE: 10/2/07  
SCALE: As Noted  
PROJ. NO: 2007-277

SHEET TITLE:  
NOTES  
S1 OF 13



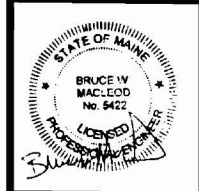
FOUNDATION PLAN  
SCALE: 1/8" = 1'-0"

FOUNDATION NOTES:	
Foundation Elevations:	
Top Of Slab... EL. = 0'-0", U.N.O.	Verify With Archt Dugs.
Top Of Fdn. Wall... EL. = (+0'-8"), U.N.O.	
C.J. Indicates Location Of Control Joint	
OFC Indicates Outside Face Of Concrete	
BP-s Indicates Base Plate Type. See Sheet S3, Sect. 9 For Detail And Section.	

DATE	DESCRIPTION

MOODY'S COLLISION CENTER  
PORTLAND  
MAINE

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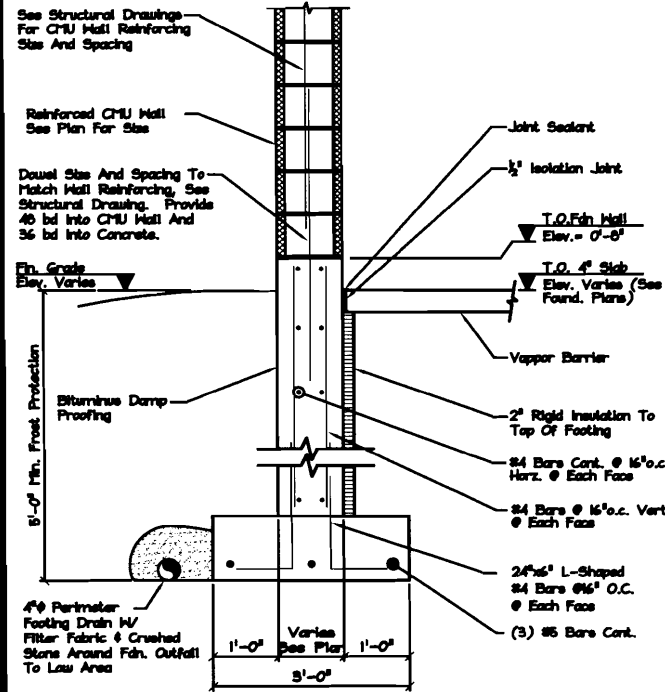


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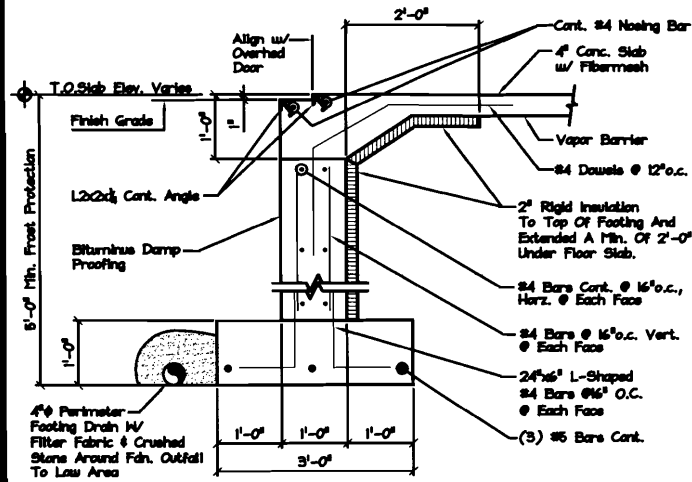
DRN BY:	DWM
CHKD BY:	BWM
DATE:	10/22/07
SCALE:	As Noted
PROJ. NO.:	2007-277

SHEET TITLE:  
FOUNDATION PLAN  
S2 OF 13

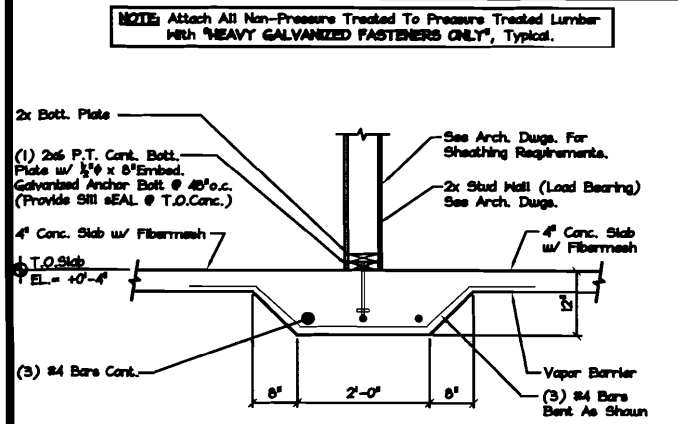
**NOTE:**  
Vapor Barrier Beneath Slab Shall Be "Stago Wrap"  
Or Approved Equal.  
Polyethylene "St. Mat." An Alternate Product.



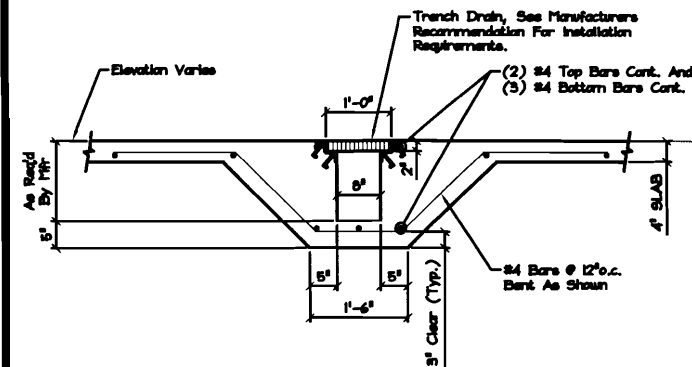
SECTION F1 TYPICAL PERIMETER 12' FROST WALL  
SCALE: 3/4" = 1'-0"



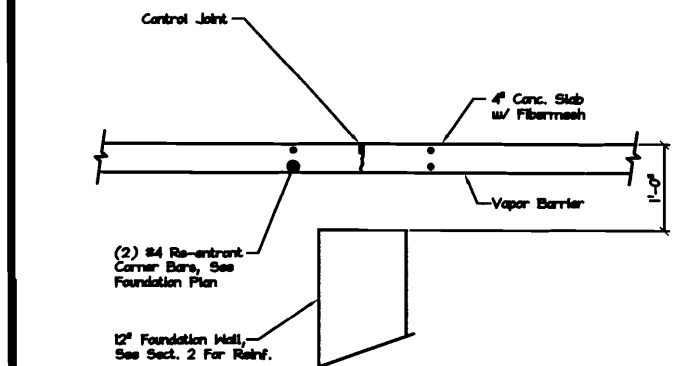
SECTION F3 TYPICAL 12' FOUNDATION WALL (GARAGE DOORS)  
SCALE: 3/4" = 1'-0"



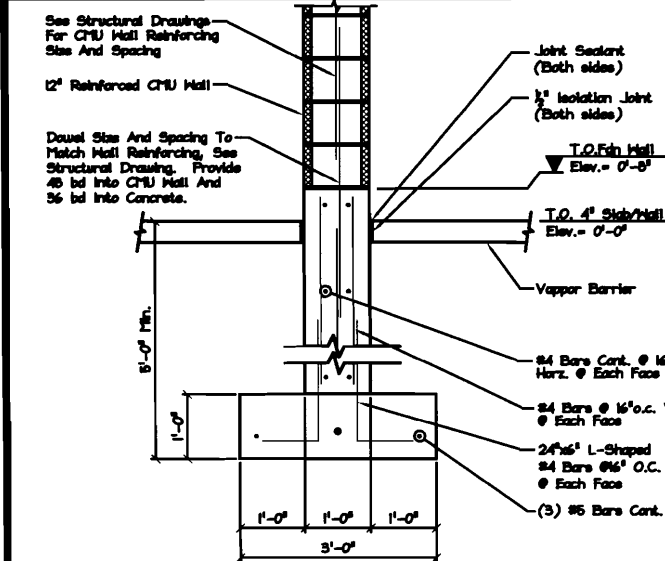
SECTION F6 TYP. HAUGHED FLOOR SLAB @ LOAD BEARING WALL  
SCALE: 3/4" = 1'-0"



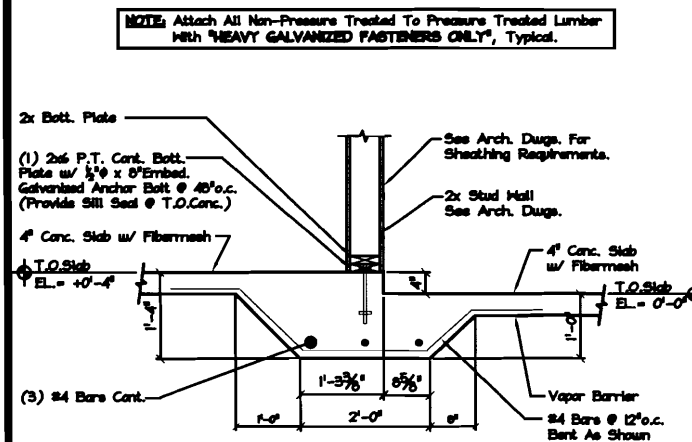
SECTION F4 TRENCH DRAIN  
SCALE: 3/4" = 1'-0"



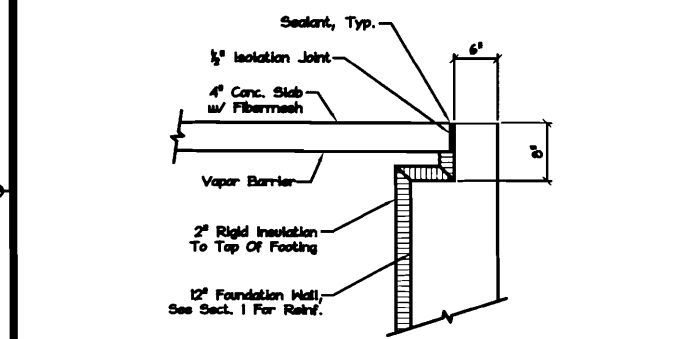
SECTION F7 TYPICAL SECTION @ INT. SLAB ON GROUND MAN DOORS  
SCALE: 1" = 1'-0"



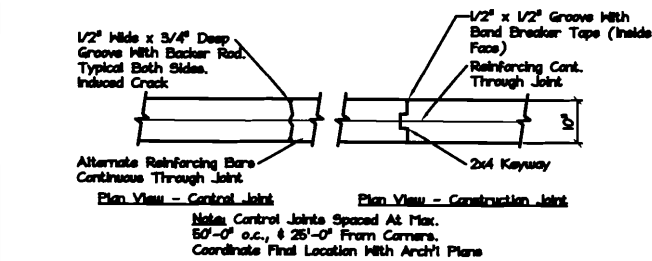
SECTION F2 TYPICAL INTERIOR PARTY FOUNDATION WALL  
SCALE: 3/4" = 1'-0"



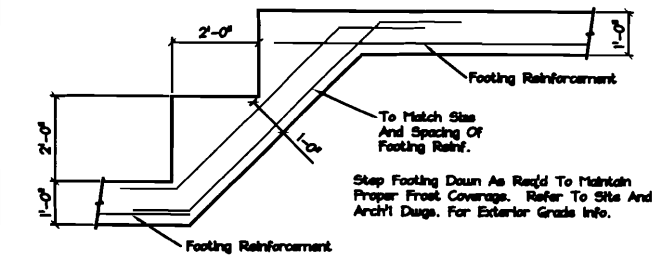
SECTION F5 TYP. HAUGHED FLOOR SLAB @ STEPPED SLAB  
SCALE: 3/4" = 1'-0"



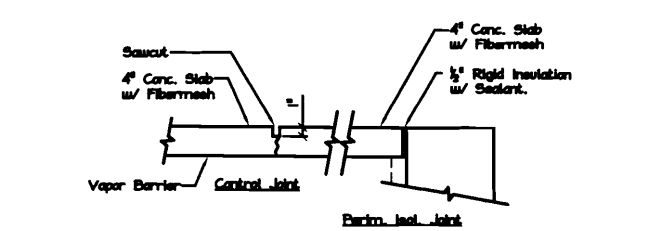
SECTION F8 TYPICAL SECTION @ EXT. SLAB ON GROUND MAN DOOR  
SCALE: 1" = 1'-0"



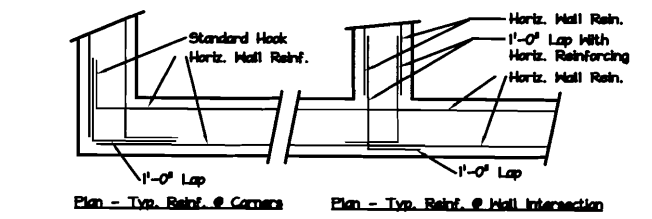
DETAIL - TYPICAL FOUNDATION WALL JOINTS  
SCALE: N.T.S.



DETAIL - TYPICAL STEP FOOTING  
SCALE: 1/2" = 1'-0"



DETAIL - TYPICAL FLOOR JOINTS  
SCALE: 1" = 1'-0"

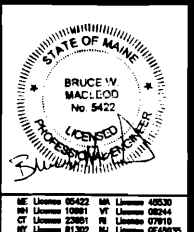


DETAIL - TYPICAL WALL REINFORCING  
SCALE: 1" = 1'-0"

CURRENT REVISION	
NO.	DESCRIPTION

MOODY'S COLLISION CENTER

MacLeod Structural Engineers, P.A.  
404 Main Street  
Orlando, Maine 04038  
Phone: (207) 839-0980  
Fax: (207) 839-0982



THIS DRAWING IS ISSUED  
Submitted For Power  
Date: 1/17/08

This Drawing Shall Be Considered A  
"Contract Document" ONLY When It  
Bears The Engineer's Seal & Signature.  
Otherwise It Shall Be Considered A  
"Program Print - Not For Construction."

DRN BY: DMG  
CHKD BY: EWM  
DATE: 10/22/07  
SCALE: AS NOTED  
PROJ. NO: 2007-277

SHEET TITLE:  
FOUNDATION  
DETAILS  
S3 OF 13

