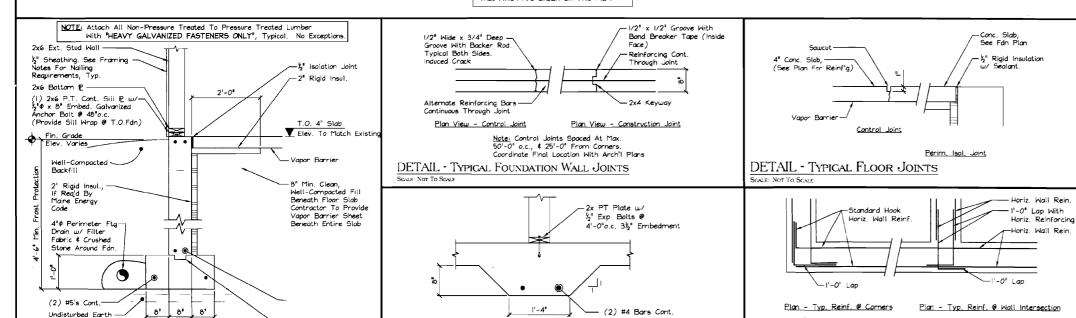


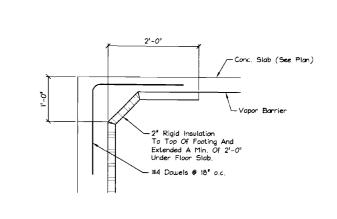
Foundation Notes:

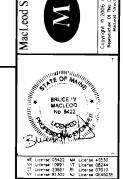
Foundation Elevations:

| Top Of Slab... EL = (-0'-0")*, V.I.F.
| Top Of Fdn. wall... EL.= (+0'-0"), U.N.O. |
| Lizzazz | Indicates Location Of Special Condition At Fdn Wall At Openings.
| See Typical Detail.

NOTE: Contractor To Verify Location Of All Ext. Doors Prior To Construction, Notify Engineer If Locations Differ From That Which Are Shown On This Plan.







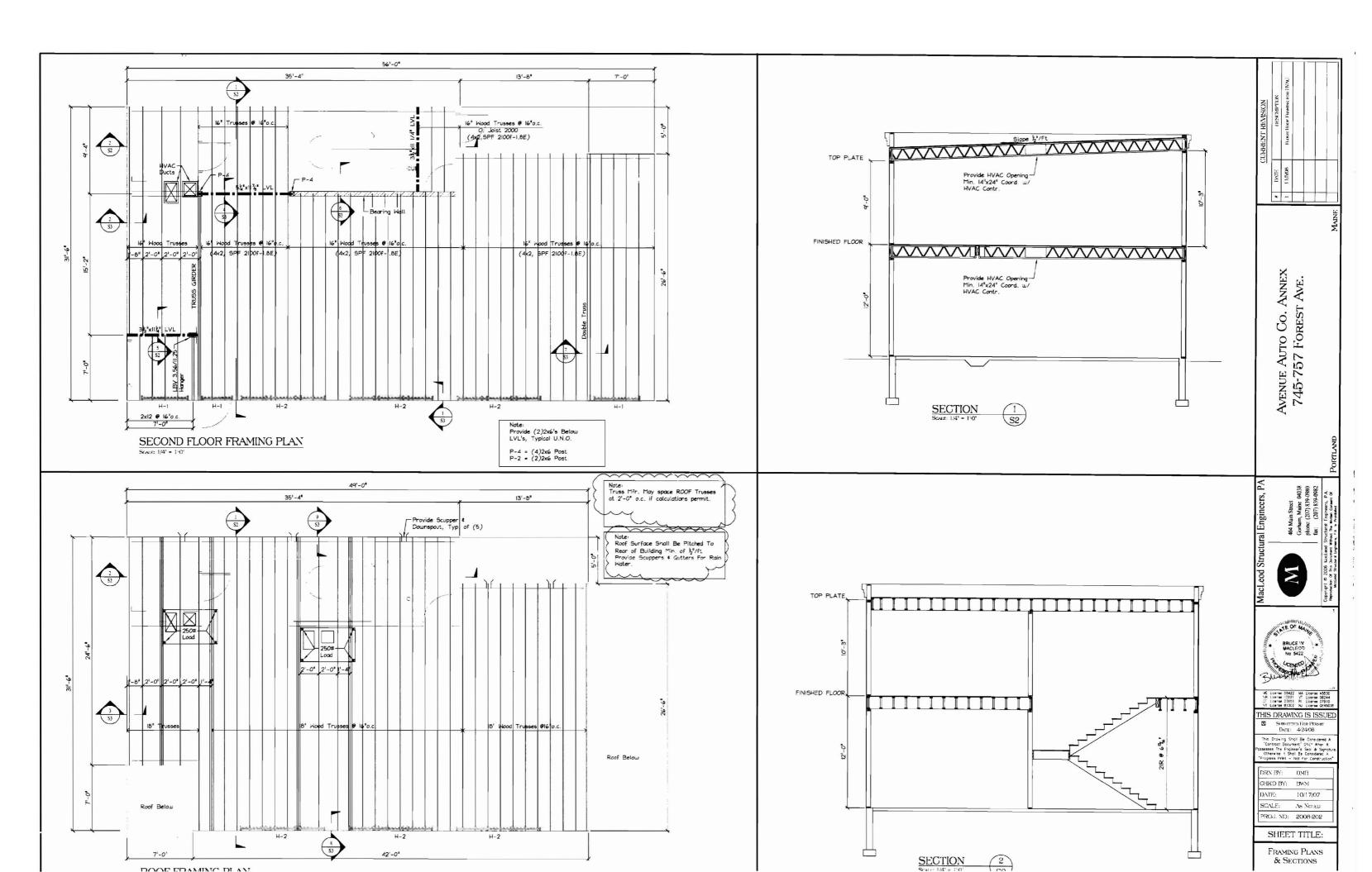
Avenue Auto Co. Annex 745-757 Forest Ave.

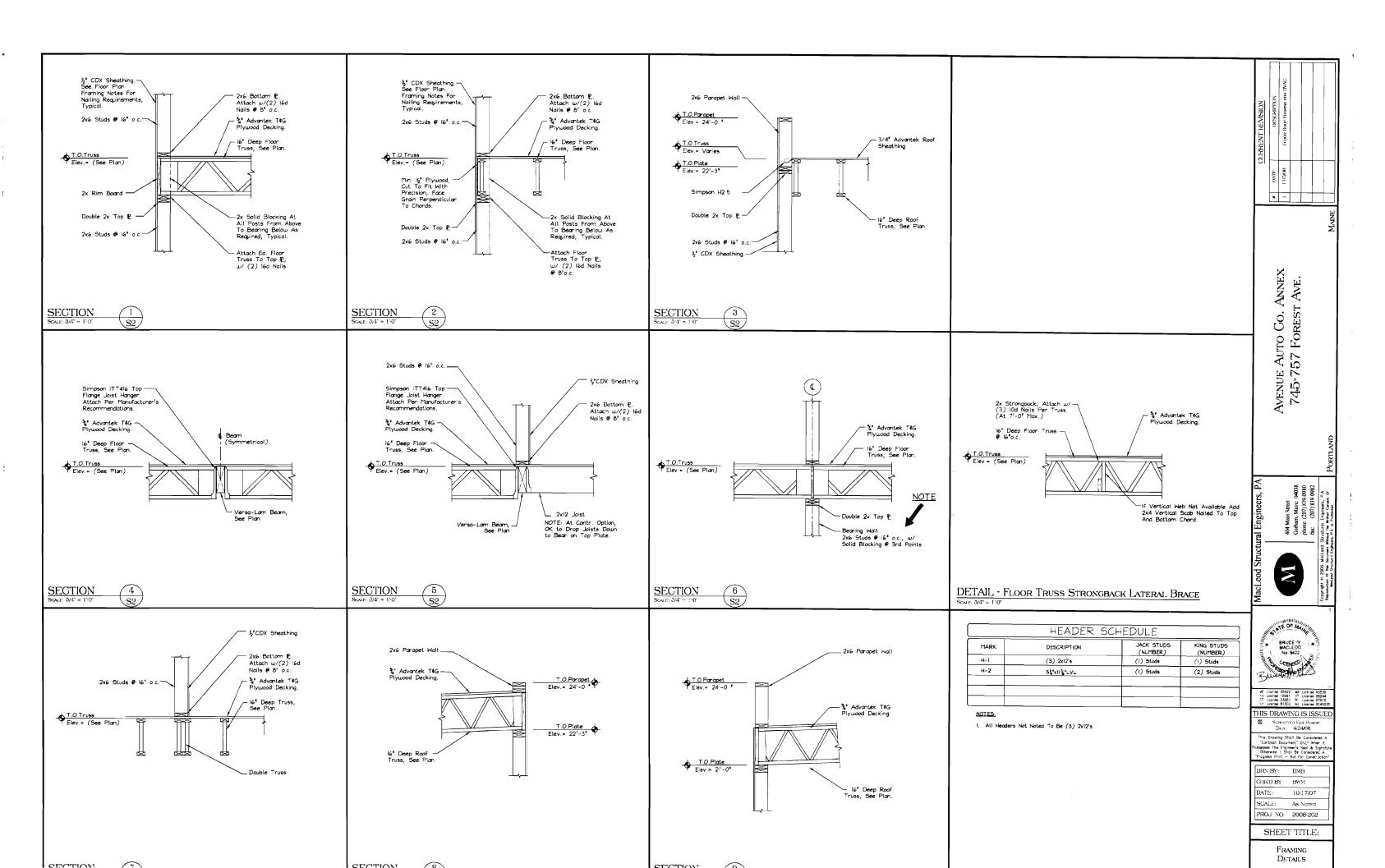
THIS DRAWING IS	ISSUED
SUBMITTED FOR DATE: 4/24/0	
This Drawing Sholi Be C "Contract Document" ON Passesses The Engineer's Sec Otherwise it Shall Be Col "Progress Frint — Not For	.~ Wher It of & Signature. nsiderec A

DRN BY:	DMB	1
JIKD BY:	BWM	ı
DATE:	10/17/07	ı
SCALE:	As NOTED	ı
PROJ. NO:	2008-202	ı

SHEET TITLE:

FOUNDATION PLAN & DETAILS





GENERAL NOTES:

- 1. STRUCTURAL DRAMINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL FLECTRICAL, PLUPBING, AND SITE DRAMINGS. CONSULT THESE DRAWINGS FOR LOCATIONS AND DIMENSIONS OF OPENINGS, CHASES, INSERTS, REGLETS, SLEEVES, DEPRESSIONS, AND OTHER DETAILS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
- 2. 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.
- 3. 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, GUYS OR TIEDOWNS. SUCH MATERIAL SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER
- 4. ALL APPLICABLE FEDERAL, STATE, AND MUNICIPAL REGULATIONS SHALL BE FOLLOWED, INCLUDING THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT.

I. BUILDING CODE: IBC 2003 INTERNATIONAL BUILDING CODE

2. DESIGN WIND LOADS - MAIN WIND FORCE RESISTING SYSTEM

BUILDING USE IMPORTANCE FACTOR (WIND)

GROUND SNOW LOAD

IMPORTANCE FACTOR, EXPOSURE FACTOR, Ce

FLAT ROOF SNOW LOAD

TOP CHOPD

FLOOR LIVE

PARTITION LOAD

EQUIVALENT LATERAL FORCE PROCEDURE
USE GROUP (CATEGORY)

SEISMIC DESIGN CATEGORY

= 100 MPH

= 60 PSF

= 42 PSF

= 10.0 PSF = 10.0 PSF

= 20 0 PSF

= 0.328

= 0.124

LIGHT FRAMED WALLS

WITH SHEAR PANELS = 0 047 x M

STRUCTURAL DESIGN CRITERIA:

DESIGN WIND SPEED

3. SNOW:

4. ROOF DEAD LOAD

6 DESIGN SEISMIC CRITERIA:

SITE CLASS

SEISMIC BASE SHEAR, V

SEISMIC RESISTING SYSTEM =

5. LIVE LOADS

5. 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.

- I. ALL CONCRETE WORK SHALL CONFORM TO ACI-318.
 - 2. ALL CONCRETE EXCEPT INTERIOR AND EXTERIOR SLABS ON GROUND SHALL BE 3 (WALL/FOOTINGS) AND 15" (SLABS ON GROUND).

I. FOUNDATION DESIGNED BASED ON AN ASSUMED MAXIMUM ALLOWABLE BEARING PRESSURE OF 2500 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.

2. DESIGN OF EXTERIOR FOUNDATIONS IS BASED ON A FROST

3. NO HORIZONTAL JOINT WILL BE PERMITTED IN THE WALLS

4. FOUNDATION CONTRACTOR SHALL SET COLUMN ANCHOR RODS AND LEVELING PLATES, INCLUDING GROUTING, AS PER THE STRUCTURAL STEEL CONTRACTOR'S DRAWINGS.

5. EXCAVATING AND BACK FILLING AT NEW 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

CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN, INSTALLATION, AND FINAL CLEARANCE OF ANY NEEDLING, SHORING, OR BRACING OF EXISTING STRUCTURES.

7. VAPOR BARRIER BENEATH SLAB SHALL BE "STEGO WRAP" OR

DEPTH OF 4'-6" BELOW FINISHED GRADE.

- 3. CONCRETE TO REMAIN EXPOSED TO WEATHER SHALL BE AIR ENTRAINED. NO AIR ENTRAINMENT IN INTERIOR CONCRETE SLABS.
- 4. CONCRETE SHALL NOT BE PLACED IN WATER OR ON FROZEN GROUND
- 5. REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60. DEFORMED BARS SHALL BE DETAILED AND FABRICATED IN ACCORDANCE TO ACI-315 LATEST EDITION, AND PLACED N ACCORDANCE WITH ACI-318.
- 7. ANCHOR RODS SHALL CONFORM TO ASTM F1554-36.
- 9. CONCRETE COVER OVER REINFORCEMENT SHALL BE AS FOLLOWS:
 CONCRETE CAST AGAINST EARTH OR WEATHER = 1/2
 CONCRETE EXPOSED TO EARTH OR WEATHER = 3/4

CONCRETE NOTES:

FOUNDATION NOTES:

APPROVED EQUAL.
POLYETHYLENE "IS NOT" AN ALTERNATE PRODUCT

- SHALL BE 3000 PS! AT 28 DAYS AND A MAXIMUM SLUMP OF 4".
 ALL INTERIOR AND EXTERIOR SLABS ON GROUND SHALL BE 4000 PS!
 AT 28 DAYS AND A MAXIMUM SLUMP OF 4". MAXIMUM SIZE AGGREGATE

- 6. SPLICES OF REINFORCING BARS SHALL BE IN ACCORDANCE WITH
- 8. HOOKS NOT DIMENSIONED SHALL BE ACI STANDARD HOOKS.

STRUCTURAL STEEL NOTES - GENERAL

- I. STRUCTURAL STEEL FABRICATION, ERECTION, AND CONNECTION DESIGN SHALL CONFORM TO AISC "SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL"
- 2 ALL STEEL SHAPES AND PLATES TO BE ASTM A36 UNLESS NOTED OTHERWISE. ALL WE SHAPES TO BE ASTM A992 GR 50
- 3. STRUCTURAL TUBING SHALL CONFORM TO ASTM A500, GRADE B. STEEL PIPES SHALL BE A53, GRADE B
- 4. 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 ENCINEER LIFENSED TO PRACTIFE IN THE STATE OF MAINE FOR ENGINEER LICENSED TO PRACTICE IN THE STATE OF MAINE FOR
- 5. ALL BOLTED CONNECTIONS SHALL BE MADE WITH 30 ASTM
- 6. WELDING SHALL BE IN ACCORDANCE WITH AWS DI.1 LATEST EDITION. ALL WELDS SHALL BE MADE WITH E70XX ELECTRODES.
- 7. STEEL BEAMS AND COLUMNS SHALL BE CUT FROM FULL LENGTH STOCK. UNAUTHORIZED SPLICES WILL BE CAUSE FOR REJECTION.
- 8. STRUCTURAL STEEL SHALL BE PAINTED WITH A SHOP APPLIED COAT OF THE FABRICATOR'S RUST INHIBITIVE PRIMER
- 9. PROVIDE 1/9 THRU BOLTS STAGGERED @ 24 O.C. FOR ATTACHEMENT OF 2x NAILER AT TOP & BOTTOM OF WF BEAM (COORDINATE w/ PLANS)

WOOD FRAMING NOTES:

- : STRUCTURAL LUMBER: SPRUCE PINE FIR NOI/NO2 OR BETTER Fb = 875 PSi Fv = 70 PSi Fc = 1150 PSi E = 1400000 PSi
- 2. DESIGN CODE: IBC 2003 / NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION BY THE NATIONAL FOREST PRODUCTS ASSOCIATION.
- NAILING REQUIREMENTS FOR PLYWOOD SHEATHING: PROVIDE 8d NAILS AS FOLLOWS UNLESS SHOWN OTHERWISE; 8d NAILS @ 6° oc. ALONG PANEL EXCES 8d NAILS @ 8° oc. ALONG INTERMEDIATE MEMBERS PROVIDE BLOCKING AT ALL PANEL EXCES
- 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 GALVANIZED METAL CONNECTORS EQUAL TO SIMPSON TC26 TRUSS CONNECTOR BETWEEN ALL ROOF SCISSOR TRUSSES AND SUPPORTING WALL MEMBERS, UNLESS SHOWN OTHERWISE.
- 6. 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 HITH FACE GRAIN DIRECTION PERPENDICULAR TO SUPPORTING MEMBERS.
- 8. PROVIDE 1/4 THRU BOLTS STAGGERED @ 24" O.C. FOR ATTACHEMENT OF 2x NAILER AT TOP OR BOTTOM OF WF BEAM (COORDINATE W/ PLANS)

FRAMING AS SHOWN ON PLANS

9. WALL CONSTRUCTION - FIRST FLOOR: STUD HEIGHT UP TO 10-6" P.T. 2x SILL PLATE (2) 2x TOP PLATES 2" CDX SHEATHING

10 ROOF CONSTRUCTION
FRAMING AS SHOWN ON PLANS
78" APA RATED PLYWOOD SHEATHING (REFER TO NOTE #7)
PROVIDE BY NAILS @ 12°o.c. ALONG FRAMING MEMBERS.

11. ALL NAILS, SPIKES, BOLTS ETC. FASTENING MEMBERS TO PRESSURE TREATED LUMBER SHALL BE EITHER STAINLESS STEEL OR HEAVY GALVANIZED.

WOOD TRUSS NOTES:

- DESIGN CRITERIA FOR ROOF SYSTEM
- B. DEAD LOAD (SNOW)
 B. DEAD LOAD
 TOP CHORD
 PER STRUCTURAL DESIGN CRITERIA

 TOP CHORD
 PER STRUCTURAL DESIGN CRITERIA
- C. WIND LOAD
- PER STRUCTURAL DESIGN CRITERIA
- PER STRUCTURAL JEDIGN CRITERIA
 D LOAD COMBINATIONS
 PER IBC 2003 INTERNATIONAL BUILDING CODE
 E. ALLOWABLE DEFLECTION = L/360
 F. PROVIDE BOTTOM CHORD CAMBER EQUAL TO THE TRUSS DEAD LOAD DEFLECTION
- 2. MATERIALS:
 A STRESS GRADED LUMBER, METAL PLATE CONNECTORS
- 3, APPLICABLE SPECIFICATIONS:
 A. NATIONAL DESIGN SPECIFICATIONS FOR STRESS GRADE LUMBER AND ITS FASTENING (NDS).
 B. MOST RECENT A:TC STANDARDS.
 - C. DESIGN SPECIFICATIONS FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES. TPI LATEST EDITION
- SPACING:

 A. TRUSS MANUFACTURER SHALL SPECIFY ALL BRACING FOR
 BOTH TEMPORARY CONSTRUCTION LOADING AND FOR
 PERMANENT LATERAL SUPPORT OF GABLE END TRUSS AND
 COMPRESSION MEMBERS, AS WELL AS ERECTION PROCEDURES.
 B. MINIMUM BRACING REQUIREMENTS AND INSTRUCTIONS
- FURNISHED BY TRUSS MANUFACTURER SHALL INCLUDE AND CONFORM TO HIB-91.

 C. ALL TEMPORARY AND PERMANENT BRACING SHALL BE

- 5. ALL FABRICATED TRUSSES SHALL RECEIVE THE TPI MARK OF APPROVAL IN ACCORDANCE WITH THE TRUSS PLATE INSTITUTE PROCEDURES.
- 6 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

ANNEX AVE. FOREST S S AUTO AVENUE AV 745-757

404 Main Gorham, I phone: (20





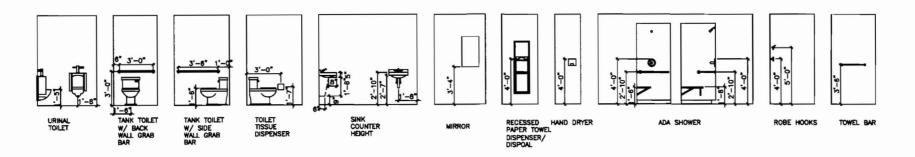
HIS DRAWING IS ISSUE Date: 4/24/08

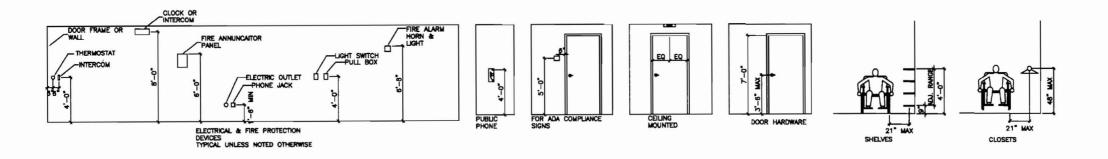
This Drawing Shall Be Considered a "Contract Document" DNLY When It issesses The Engineer's Seal & Signat Otherwise t Shall Be Considered A 'Progress Frint - Not For Construction

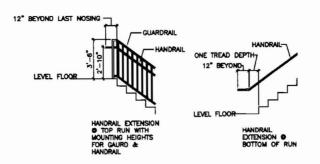
DRN BY: DMB CILK'D BY: 10/17/07 SCALE: As NOTED PROJ. NO: 2008-202

SHEET TITLE:

STRUCTURAL Notes







ADA REQUIREMENTS NOT TO SCALE

NOTE:

1. Contractor/owner responsible for securing all recessary permits.

AVENUE AUTO 745-757 FOREST AVENUE STEPHAN E. MARDIGAN, OWNER

PROPERTY OF

CODE: IRC 2003 TOWN: PORTLAND

DATE: 08-21-08

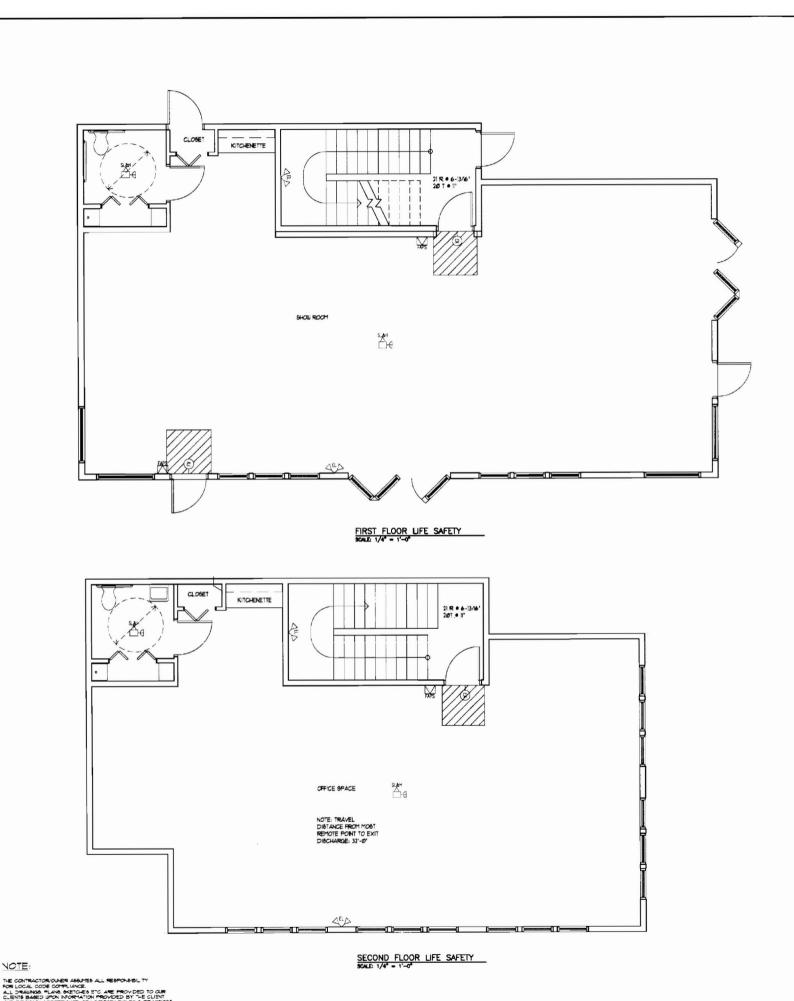
SCALE: AS NOTED

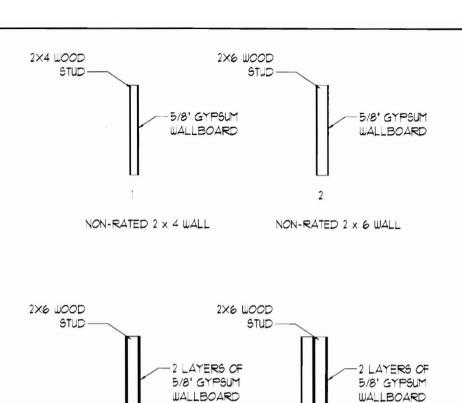
DRAWN: JJO

TITLE:

ADA REQUIREMENTS

FILE





2 HR RATED 2 x 6 WALL

TYPICAL WALL TYPE

2 HR RATED 2 x 6 WALL

AVENUE AUTO 745-757 FOREST AVENUE STEPHAN E. MARDIGAN, OWNER CODE: IRC 2003 TOWN: PORTLAND SCALE: AS NOTED TITLE:

PROPERTY OF

DATE: 08-21-08

DRAWN: JJO

LIFE SAFETY PLANS

FILE:

i. Contractor/owner responsible for securing all necessary permits.

