

GENERAL NOTES

ALL CONSTRUCTION TO COMPLY WITH THE FOLLOWING GENERAL NOTES AND/OR TO THE CURRENT NATIONAL, STATE, AND LOCAL GOVERNING CODES. IN THE EVENT OF A CONFLICT, THE MORE STRINGENT REQUIREMENTS SHALL APPLY.

GENERAL:

- THIS STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE BUILDING CODE CURRENTLY ADOPTED BY THE LOCAL BUILDING DEPARTMENT. ALL CONSTRUCTION MUST CONFORM TO ALL REQUIREMENTS OF THE CURRENT CODE.
- MATERIALS OR CONSTRUCTION PROCEDURES WHICH ARE PROHIBITED BY LAW TO THE HEALTH OF ANY PERSON ON THE SITE DURING CONSTRUCTION AND/OR DURING OCCUPANCY SHALL NOT BE USED IN THIS PROJECT.
- ALL TRADES SHALL CONFORM WITH ALL APPLICABLE FEDERAL, STATE, LOCAL, AND SCAFFOLD CODES, RULES AND REGULATIONS. IN CASE OF CONFLICT, THE MOST STRINGENT REQUIREMENT SHALL APPLY.
- SEE COVER SHEET FOR BUILDING USE GROUP AND CONSTRUCTION TYPE

SOILS:

- A SOIL INVESTIGATION BY A QUALIFIED AND LICENSED SOILS ENGINEER MUST BE PROVIDED AT EACH BUILDING LOCATION PRIOR TO CONSTRUCTION. THE RESULTS OF THE INVESTIGATION, FROM THE REPORT, SHALL INCLUDE THE FOLLOWING:
 - A) ALLOWABLE SOIL BEARING CAPACITY AND RECOMMENDATIONS FOR IMPROVEMENT IF REQUIRED.
 - B) WATER DRAINAGE AND HYDROSTATIC PRESSURE ANALYSIS INCLUDING RECOMMENDATIONS OF RELIEF OF ANY ADVERSE CONDITIONS.
- FOUNDATIONS AND FOOTINGS HAVE BEEN DESIGNED BASED ON A MINIMUM SOIL BEARING CAPACITY OF 3000 PSF.
- IF THERE IS A CONFLICT BETWEEN THE SOILS INVESTIGATION AND INFORMATION ON THE CONSTRUCTION DOCUMENTS, THE MOST STRINGENT AND CONSERVATIVE CONDITION SHALL GOVERN.

FOUNDATION NOTES:

- CONCRETE STRENGTH SHALL BE 3000 PSI. 28-DAY TEST RESULTS SHALL BE PROVIDED TO THE ARCHITECT 7 DAYS BEFORE ALL FOOTINGS, THICKENED SLABS AND CONCRETE SLABS NOT EXPOSED TO WEATHER. THE CONCRETE EXPOSED TO WEATHER SHALL BE EXPOSED TO WEATHER. THE CONCRETE EXPOSED TO WEATHER SHALL BE WORK AND PLACEMENT SHALL CONFORM TO THE LATEST SPECIFICATION OF C.R.S.I. AND A.C.I.
- MINIMUM FOOTING DEPTH ADJACENT TO EXTERIOR GRADE CONDITIONS SHALL BE 3'-4" BELOW FINISHED GRADE.
- REMOVE ALL FILL AND ORGANIC MATERIALS FROM AREAS TO RECEIVE FLOOR SLABS. PREPARE AREAS PER SOILS ENGINEER'S RECOMMENDATION.
- ALL REINFORCING BARS, DOUELS AND TIES SHALL CONFORM TO A 3 TH. AIR GRADE 40 REINFORCING STEEL. SHALL BE CONTINUOUS AND SHALL NOT BE A MINIMUM REINFORCING BARS SHALL BE WELDED TOGETHER.
- PROVIDE TEMPORARY BRACING AS REQUIRED TO INSURE THE STABILITY OF THE STRUCTURE UNTIL THE PERMANENT BRACING IS IN PLACE.
- ALL BLOCK SHALL BE TYPE N11 (20 CUBIC FT) TO BE TYPE 151. HORIZONTAL LIRE REINFORCING SHALL BE N11 (20 CUBIC FT) TO BE TYPE 151. HORIZONTAL END OF SILL PLATES, ANCHOR BOLTS SHALL BE 1/2" DIAMETER (MIN) AND SHALL EXTEND 6" INTO GROUTED CONCRETE BLOCK OR 8" (MIN) INTO BLOCK PLUS 1" INTO POURED IN PLACE CONCRETE FOOTING.
- PROVIDE RIGID INSULATION AT ALL PERIMETER SLAB ON GRADE CONDITIONS. COMPLY WITH CURRENT ENERGY CODES.
- WATERPROOF ALL BRICK BLOCK AND POURED CONCRETE WALLS AT ALL BELOW GRADE CONDITIONS UNLESS DIRECTED OTHERWISE BY THE SOILS ENGINEER.
- PROVIDE 4 MIL VAPOR BARRIER UNDER ALL INTERIOR CONCRETE SLAB ON GRADE CONDITIONS AND AT ALL ATTACHED GARAGE AREA CONCRETE SLABS.

MASONRY:

- BRICK SHALL MEET ASTM STANDARDS C216 (SOLID UNITS) AND C452 (HOLLOW UNITS)
- USE GALVANIZED BRICK ANCHORAGE TIES. 6
- VERT.: 1/4" O.C. AND
- HORIZ.: 1/4" O.C. AND
- ALSO SEE FOUNDATION NOTES.

DOORS:

- ALL DOORS SHALL BE T-0" HIGH UNLESS NOTED OTHERWISE.
- THE THRESHOLD AT THE EXTERIOR DOORWAY SHALL NOT BE MORE THAN 1/2" HIGH

WINDOWS AND GLAZING:

- PROVIDE FLASHING AT ALL WINDOW HEAD, JAMB AND SILL CONDITIONS.
- FIXED GLASS SIZES SHOWN ARE FOR REFERENCE ONLY. GLAZING CONTRACTOR SHALL FIELD MEASURE AT ALL ROUGH OPENINGS FOR FIXED GLASS PRIOR TO FABRICATION.
- OPERATING SASH ARE SHOWN FOR BASIC SIZING ONLY. FINAL SIZE FOR ROUGH OPENINGS SHALL BE PER SELECTED WINDOW
- PROVIDE ALL OPERATING SASHES IN ACCORDANCE WITH ALL MANUFACTURER'S INSTALLATION INSTRUCTIONS.
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INSULATION:

- REMOVE AND INSTALL BUILDING INSULATION FOR COMPLIANCE TO CURRENT ENERGY CODE REQUIREMENTS.
- PROVIDE UNDER SLAB RIGID INSULATION AT ALL EXPOSED PERIMETER SLAB ON GRADE CONDITIONS.
- PROVIDE MINIMUM R-30 BATT INSULATION AT ALL BOND CONDITIONS.
- PROVIDE MINIMUM R-34 BATT INSULATION AROUND ALL SKYLIGHT SHAFTS.
- TERMINAL BATT AND BLANKET INSULATION SHALL HAVE A VAPOR BARRIER WITH A PERM RATING OF 1 OR LESS APPLIED TO THE INTERIOR FACE.
- INSULATION SHALL BE INSTALLED IN SUCH A MANNER AS TO ALLOW FREE AIR FLOW FROM THE SOFFIT TO THE ROOF/ATTIC SPACE.
- VENTILATION OF CONCEALED ROOF SPACES SHALL BE MAINTAINED.
- SOUND INSULATION SHALL BE UNFACED.
- CONCEALED INSULATION TO HAVE A FLAME SPREAD RATING OF 15 (25 IF EXPOSED) OR LESS AND A MAXIMUM SMOKE DEVELOPED RATING OF 450.

INSULATION NOTE:

PROVIDE INSULATION AS REQUIRED TO MEET CURRENT MICHIGAN ENERGY CODE REQUIREMENTS.

WALL INSULATION SHALL BE MINIMUM R-13.8 BATT IN STUD OR R-14 FOAM FILLED CHU

ROOF INSULATION TO ATTAIN RATING TOTAL OF MIN. R-25 WITH RIGID INSULATION ENTIRELY ABOVE ROOF DECK.

1" RIGID R-5 INSULATION FROM SLAB TO TOP OF FOOTER

2"x4" RIGID R-10 INSULATION AT SLAB PERIMETER.

ROOF ACCESS:

- A READILY-ACCESSIBLE OPENING NOT LESS THAN 22"x30" SHALL BE PROVIDED TO ANY FLAT ROOF AREA
- PROVIDE A RATED PANEL AND FRAME AT PENETRATION
- THROUGH ANY RATED CEILING SYSTEM.

FLASHING:

- ALL TRANSITION FLASHING ROOF TO WALL SHALL LAP VERTICAL WALL FACE A MINIMUM OF 6" UNLESS NOTED OTHERWISE.
- PROVIDE FLASHING AT ALL EXTERIOR STEEL LINTEL CONDITIONS AND AT CONCEALED STEEL LINELS CONSTRUCTING EXPOSED BRICK.
- PROVIDE EAVE FLASHING PER CODE.

FRAMING MATERIALS:

- LIGHT GAGE STEEL:
- LIGHT GAGE STEEL FRAMING SHALL COMPLY WITH ALL CODES FOR CODE FOR FABRICATION & ERECTION
- STUDS SHALL BE A MINIMUM OF 1 5/8"x3 5/8" WITH A 3/8" RETURN LIP
- TRACK SHALL BE A MINIMUM 1 1/4"x3 5/8"
- ALL STEEL FRAMING MEMBERS SHALL MEET ASTM A 36 S3 GRADE 33, ASTM A 742 S5 GRADE 33, OR ASTM A 815 S5 GRADE 33.
- SCREWS SHALL BE A MINIMUM IN ACCORDANCE WITH SAE J18 AND HAVE A TYPE II COATING IN ACCORDANCE WITH ASTM B133

WALL FRAMING:

- ALL STUDS SHALL BE CONTINUOUS FROM FLOOR TO UNDERSIDE OF ALL STUDS AND CRADLES ABOVE. SEE FRAMING MATERIALS FOR MINIMUM STUD SIZES AND CRADLES ABOVE.
- ALL STRUCTURAL WALLS SHALL HAVE MINIMUM DOUBLE STUD OR NUMBER AS INDICATED ON DRAWINGS. CONTINUOUS FROM FLOOR TO UNDERSIDE OF FLOOR OR ROOF FRAMING ABOVE. WINDOW TRANSOM HEADERS SHALL SPAN BETWEEN CONTIGUOUS STUDS WITH FLUSH HANGER BRACKETS AS REQUIRED.
- ALL EXTERIOR WALLS SHALL BE CONTINUOUS STUD WITH NO OR FLOOR TO ROOF FRAMING ABOVE.

ROOF PENETRATIONS:

- ALL PENETRATIONS THROUGH ROOF SHALL BE PROPERLY FLASHED AND SEALED.
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FIRE RATED DESIGN SYSTEMS:

- MATERIALS USED IN THESE CONSTRUCTION SYSTEMS SHALL BE AS SPECIFIED IN THE DRAWINGS. REFER TO THE GENERAL NOTES FOR GENERAL REFERENCE ONLY. REFER TO CURRENT PUBLICATIONS FOR SYSTEMS USED BY ONE OR MORE OF THE FOLLOWING TESTING AGENCIES:
 - (U.L.) UNDERWRITERS LABORATORIES
 - (F.M.) FACTORY MUTUAL RESEARCH CORP.
 - (I.O.C.) OWENS CORNING
 - (B.O.C.A.) BOCA REFERENCE REPORTS
 - (G.A.) GYPSUM ASSOCIATION
 - (N.E.R.) NATIONAL EVALUATION SERVICE CORP. (C.A.B.O.)
- CONSTRUCTION OF FIRE RATED DESIGN SYSTEMS SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
 - FIRE SEPARATION WALLS
 - FIRE PARTITIONS
 - FIRE RATED FLOOR/CEILING SYSTEMS
 - FIRE RATED CEILING/ROOF SYSTEMS
 - FIRE DAMPERS AND FIRE STOPS
 - PENETRATION SLEEVES

- THE CONTRACTOR SHALL OBTAIN THE NECESSARY COPIES OF THE ABOVE AGENCIES REPORTS AND COMPLY WITH THE CONSTRUCTION SYSTEMS INDICATED IN THESE DRAWINGS OR AS REQUIRED BY CODE.
- ALL MECHANICAL DUCT WORK SHALL INCLUDE APPROVED FIRE RATED DAMPERS AT ALL PENETRATIONS INTO AND OUT OF FIRE RATED CONSTRUCTION.
- ALL PENETRATIONS INTO AND OUT OF FIRE RATED CONSTRUCTION SHALL BE DIRECT THROUGH PENETRATIONS SHALL BE PROPERLY FIRE SLEEVED AND FIRE STOPPED.
- NO VENTING SHALL BE ALLOWED WITHIN 12' OF FIRE RATED CONSTRUCTION.

- ALL DRAFTSTOPPING SHALL CONSIST OF APPROVED NONCOMBUSTIBLE MATERIALS SECURELY FASTENED IN PLACE. FIRESTOPPING OF DRAFTSTOPPING SHALL BE AS FOLLOWS:
 - NONCOMBUSTIBLE MATERIALS OR FIBERGLASS MATS OF 1 INCH THICKER JOINTS BACKED BY 2"x3" INCH PLYWOOD OR 2" INCH CHESTER WALFLEED WITH TIGHT JOINTS, SHALL BE USED IN OPEN SPACES OF WOOD FRAMING.
 - DRAFTSTOPPING MATERIALS SHALL NOT BE LESS THAN 1/2 INCH GYPSUM BOARD, 3/8 INCH PLYWOOD OR OTHER APPROVED MATERIALS ADEQUATELY SUPPORTED.
 - THE INTEGRITY OF ALL FIRESTOPPING AND DRAFTSTOPPING SHALL BE CONTINUOUSLY MAINTAINED.
 - IN THE ATTIC, HANGARD, OVERHANG OR OTHER CONCEALED ROOF SPACE SEPARATION WALLS WHICH DO NOT EXTEND TO THE ROOF SHEATHING ABOVE WHERE REQUIRED.
 - WHERE CORRIDOR WALLS PROVIDE A TENANT SEPARATION, DRAFTSTOPPING SHALL ONLY BE REQUIRED ABOVE ONE OF THE CORRIDOR WALLS.
 - WHERE FLAT ROOFS WITH SOLID JOIST CONSTRUCTION ARE USED, DRAFTSTOPPING OVER TENANT SEPARATION WALLS IS NOT REQUIRED.
 - DRAFTSTOPPING SHALL BE PROVIDED IN LINE WITH THE TENANT SEPARATION WALLS WHEN THE WALLS DO NOT EXTEND TO THE FLOOR SHEATHING ABOVE.

GYPSUM BOARD:

- ALL FIRE RATED WALL AND FLOOR CONSTRUCTION SHALL HAVE 1/2" CLASSIFIED GYPSUM BOARD OF THE TYPE AND THICKNESS SPECIFIED IN TESTED SYSTEMS.

NOTE TO: GENERAL CONTRACTOR & STEEL CONTRACTOR

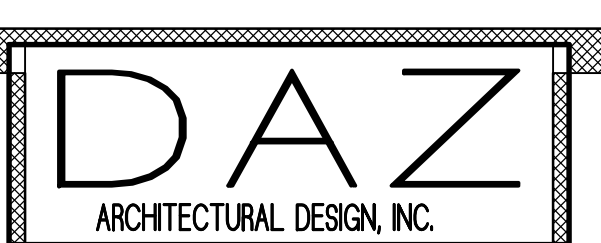
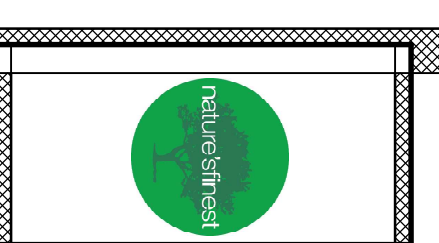
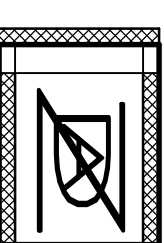
READ AND FOLLOW ALL INSTRUCTIONS PROVIDED BY JOIST ENGINEER/FABRICATOR FOR ERECTION, TEMPORARY, & PERMANENT BRACING REQUIREMENTS & FOR ALL REQUIRED BRACING LOCATIONS. ALL PERMANENT BRACING SHALL BE DESIGNED BY OTHERS AND INSTALLED AS SPECIFIED.

DO NOT REMOVE ANY TEMPORARY BRACING UNTIL ROOF IS FULLY DECKED & WEIDED UNLESS ALLOWED BY THE TRUSS ENGINEER/FABRICATOR.

READ AND FOLLOW ALL INSTRUCTIONS PROVIDED BY JOIST ENGINEER/FABRICATOR FOR INSTALLATION REQUIREMENTS AND LOCATION.

READ AND FOLLOW ALL INSTRUCTIONS PROVIDED BY JOIST ENGINEER/FABRICATOR FOR ON SITE STORAGE REQUIREMENTS.

GENERAL CONTRACTOR, STEEL CONTRACTOR, & JOIST ENGINEER/FABRICATOR TO HOLD ON SITE PERMITS AND FURNISH INSTRUCTIONS FOR PROPER ERECTION PROCEDURES & BRACING REQUIREMENTS.



CLIENT/PROJECT:
NATURE'S FINEST PROVISIONING CENTER
625 NORTH AVENUE
BATTLE CREEK, MICHIGAN 49017

SHEET INFORMATION:
GENERAL NOTES

REVIEW SET:
01-26-16
02-09-16
02-06-16

REVISIONS:
JOB NO.
180810

SHEET NO.
G-002