

GENERAL NOTES

ALL WORK SHALL CONFORM TO THE 6TH EDITION OF THE COMMONWEALTH OF MASSACHUSETTS STATE BUILDING CODE.

THE OWNER SHALL RETAIN THE SERVICES OF AN INDEPENDENT TESTING AGENCY TO PERFORM STRUCTURAL INSPECTIONS AS INDICATED ON THE DRAWINGS AND AS REQUIRED/INDICATED BY THE PROGRAM OF STRUCTURAL TESTS AND INSPECTIONS.

THE CONTRACTOR SHALL EXAMINE ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR VERIFICATION, LOCATION AND DIMENSIONS OF CHASES, INSERTS, OPENINGS, STEVES, DEPRESSIONS AND OTHER PROJECT REQUIREMENTS NOT SHOWN ON THE STRUCTURAL/FOUNDATION DRAWINGS.

THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS IN THE FIELD AND WITH THE ARCHITECTURAL DRAWINGS AND SHALL NOTIFY THE OWNER/ARCHITECT/ENGINEER OF ANY DISCREPANCY BEFORE PROCEEDING WITH THE WORK.

THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BRACING & SHORING UNTIL ALL STRUCTURAL WORK IS COMPLETE.

SHOP DRAWINGS, IN ADDITION TO THE SUBMITTALS REQUIRED BY THE PROJECT SPECIFICATIONS, SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION FOR THE FOLLOWING:

- 1) CONCRETE MIX & CURING METHOD
- 2) STRUCTURAL STEEL
- 3) REINFORCING STEEL
- 4) STRUCTURAL FILL & COMPACTION METHOD
- 5) EXPANSION BOLTS AND ADHESIVE ANCHORS
- 6) LIGHT GAGE METAL FRAMING

PROVIDE SEALANT AT ALL CONTROL JOINTS.

PROVIDE 1" RIGID INSULATION WHERE SLAB-ON-GRADE ABUTS WALLS.

STRUCTURAL DESIGN NOTES

DESIGN LOADS:

PROPOSED BUILDING

FIRST FLOOR SLAB-ON-GRADES LIVE LOAD = 100 PSF

ROOF SNOW LOAD, P_f = 38.5 PSF

ROOF DEAD LOAD (FRAMING, CEILING/MISC. & HVAC) = 40 PSF

ROOF DESIGNED FOR A MAXIMUM OF 7" OF RAIN, THEREFORE EMERGENCY SCOPPERS REQUIRED, DESIGNED BY OTHERS – SEE ARCHITECTURAL DRAWINGS

BUILDING CATEGORY: II (PER ASCE 7 TABLE 1-1)

WIND LOAD DESIGN DATA

REFERENCE WIND PRESSURE = 21 PSF (PER TABLE 1601.4)

SEISMIC DESIGN DATA:

SEISMIC IMPORTANCE FACTOR, I = 1.0 (ASCE 7 TABLE 11.5-1)

MAPPED SPECTRAL RESPONSE ACCELERATION – S₁: 0.0736 & S_s: 0.326 (PER TABLE 1604.10)

SITE CLASS = D (SUMMIT FOUNDATION ENGINEERING REPORT MAY 7, 2008)

SEISMIC DESIGN CATEGORY = C

BASIC SEISMIC-FORCE-RESISTING SYSTEM: "BUILDING FRAME SYSTEM"
SEISMIC RESISTING SYSTEM: CONCENTRICALLY BRACED FRAMES
RESPONSE MODIFICATION FACTOR, R = 5

DEFLECTION AMPLIFICATION FACTOR, C_d = 4½

ANALYSIS PROCEDURE UTILIZED: "EQUIVALENT LATERAL FORCE METHOD"

DEFLECTION CRITERIA:

ROOF LIVE LOAD DEFLECTION: L/360

ROOF TOTAL LOAD DEFLECTION: L/240

STRUCTURAL INSPECTIONS

INSPECTION AND TESTING WILL BE PERFORMED PER CHAPTER 17 OF THE MASSACHUSETTS STATE BUILDING CODE. THE OWNER WILL EMPLOY A TESTING AGENCY (SELECTED BY THE ENGINEER/OWNER) TO PERFORM STRUCTURAL TESTS AND INSPECTIONS AS INDICATED ON THIS SHEET. TEST REPORTS SHALL BE ADDRESSED TO MCBRIE, LLC & SENT DIRECTLY FROM THE TESTING AGENCY.

THE CONTRACTOR SHALL COORDINATE WITH, NOTIFY, AND PROVIDE ACCESS AND A SAFE WORKING ENVIRONMENT FOR THE OWNER'S TESTING AGENCY BOTH IN THE SHOP AND IN THE FIELD.

ALL FILL INSTALLATION, CONCRETE REINFORCING, CONCRETE PLACEMENT AND STRUCTURAL STEEL INSTALLATIONS SHALL BE INSPECTED/OBSERVED BY THE SER OR AN INDEPENDENT TESTING AGENCY. ANY WORK COMPLETED WITHOUT INSPECTIONS SHALL BE CONSIDERED AS UNACCEPTABLE AND SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER.

AT A MINIMUM, THE FOLLOWING WILL BE INSPECTED:

- 1. EXCAVATION OF BUILDING FOOTPRINT AND CONTROLLED FILL AREAS
- 2. PROOF ROLLING OF SUBGRADES
- 3. REBAR PLACEMENT
- 4. CONCRETE PLACEMENT
- 5. STRUCTURAL STEEL AND METAL DECKING
- 6. LIGHT GAGE WALL & ROOF FRAMING

GEOTECHNICAL /FOUNDATION DESIGN

FOUNDATION/FOOTING DESIGN IS BASED UPON BEARING CAPACITIES PER THE MAY 7, 2008 FOUNDATION ENGINEERING REPORT PREPARED BY SUMMIT GEOTECHNICAL CONSULTANTS, INC. BOTTOM ELEVATION OF FOOTING SHALL BE ADJUSTED UPON APPROVAL FROM STRUCTURAL ENGINEER OF RECORD, IF NECESSARY, TO BEAR ON ENGINEERED FILL OVER FIRM MATERIAL CAPABLE OF SUPPORTING A MINIMUM SOIL BEARING CAPACITY OF 4,000 PSF.

CONCRETE & REINFORCING

ALL CONCRETE WORK SHALL CONFORM TO THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-05)" AND "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (ACI 301).

ALL CONCRETE IN FOUNDATION WALLS AND FOOTINGS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. ALL CONCRETE IN SLAB-ON-GRADE AND ELEVATED SLABS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS. ALL EXTERIOR CONCRETE/FOUNDATION WALLS SHALL HAVE BETWEEN 4 TO 6% AIR ENTRAINMENT AND 4" MAXIMUM SLUMP. NO CONCRETE SHALL BE CAST IN WATER OR ON FROZEN GROUND.

DOWELS SHALL BE PROVIDED IN CONCRETE FOUNDATION WALLS AS INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF THE DOWELS WITH THE PROPOSED CMU WALL VERTICAL REINFORCING WHERE APPLICABLE. ALL DOWELS ARE TO BE EPOXY GROUTED INTO EXISTING SLABS/FOUNDATIONS WITH HILTI HIT HY20 EPOXY OR APPROVED EQUAL.

FOUNDATION WALLS SHALL HAVE CONSTRUCTION JOINTS AS DETAILED. REINFORCEMENT SHALL BE CONTINUOUS THROUGH ALL CONSTRUCTION JOINTS AS INDICATED ON THE DRAWINGS.

BACKFILL AGAINST WALLS SHALL BE PLACED ALTERNATELY ON EACH SIDE IN 12" MAXIMUM LIFTS. WALLS TEMPORARILY BRACED OR SHORED IF BACKFILLED BEFORE FRAMING IS COMPLETE.

REINFORCING STEEL SHALL CONFORM TO THE FOLLOWING:

- (A) ASTM 615, GRADE 60 FOR DEFORMED BARS (F_y = 60,000 P.S.I.)
- (B) WELDED WIRE FABRIC (WWF) REINFORCEMENT: ASTM A185

WELDED WIRE FABRIC (WWF) SHALL BE LAPPED 6" OR ONE SPACE, WHICHEVER IS LARGER, AND SHALL BE WELDED TOGETHER.

STRUCTURAL STEEL

STRUCTURAL STEEL WORK SHALL CONFORM TO PART 5 OF THE MANUAL OF STEEL CONSTRUCTION (AISC ASD 1989). ALL WELDING SHALL CONFORM TO AWS D11 AND BE PERFORMED BY APPROVED CERTIFIED WELDERS. ALL WELDS SHALL USE E70XX ELECTRODES BOTH IN THE SHOP AND IN THE FIELD.

SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION.

STRUCTURAL STEEL SHALL CONFORM TO ASTM A992 (F_y=50ksi) FOR W-SHAPES, ASTM A58 FOR CHANNELS & OTHER ROLLED SHAPES, ASTM A500, GRADE B (F_y = 46ksi) FOR HSS TUBES AND PIPE COLUMNS. BOLTED CONNECTIONS SHALL BE MADE USING A MINIMUM OF 3/4"Ø ASTM A325 HIGH STRENGTH BOLTS.

THRU PLATE TYPE CONNECTIONS ARE TO BE USED AT ALL BEAM TO HSS COLUMN CONNECTIONS UNO.

ALL STRUCTURAL STEEL WITHIN THE BUILDING ENVELOPE TO RECEIVE ONE SHOP COAT OF STANDARD GRAY PRIMER UNO. ALL STRUCTURAL STEEL OUTSIDE THE BUILDING ENVELOPE SHALL BE HOT DIPPED GALVANIZED. TOUCH UP ALL BARE AREAS AFTER ERECTION.

ALL ANCHOR BOLTS TO BE A.S.T.M. F1554, A36

LEVELING/BEARING PLATES SHALL BE SET ON FULL BEDS OF NON-SHRINK, NONMETALLIC GROUT WITH A MINIMUM COMPRESSIVE STRENGTH OF 3,500 PSI AT 3 DAYS.

STEEL PAN STAIRS SHALL BE DESIGNED FOR 100 PSF LIVE LOAD OVER THE ENTIRE STAIRWAY RUN/LANDINGS PLUS DEAD WEIGHT OF STAIRWAY (DESIGNED BY STEEL SUPPLIER) AND STAMPED CALCULATIONS SHALL BE SUBMITTED TO MCBRIE, LLC FOR REVIEW.

LIGHT GAGE METAL FRAMING

LIGHT GAGE METAL FRAMING SHOP DRAWINGS SHALL BE PREPARED BY A LIGHT GAGE ENGINEER IN ACCORDANCE WITH THE SPECIFICATIONS OF THE STEEL STUD MANUFACTURERS ASSOCIATION AND UNDER THE SUPERVISION OF A PROFESSIONAL ENGINEER LICENSED IN THE COMMONWEALTH OF MASSACHUSETTS. ALL LIGHT GAGE METAL FRAMING SHOP (DESIGN) DRAWINGS AND CALCULATIONS SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR REVIEW AND SHALL BE SIGNED AND SEALED BY THE LIGHT GAGE METAL FRAMING DESIGN ENGINEER.

ALL PRODUCTS TO BE MANUFACTURED BY THE CURRENT MEMBERS OF THE STEEL STUD MANUFACTURERS ASSOCIATION.

ALL GALVANIZED STUDS SHALL BE FORMED FROM STEEL THAT CORRESPONDS TO THE MINIMUM REQUIREMENTS OF 1996 AISI STANDARDS.

INSTALLATION SHALL FOLLOW ALL OF THE MANUFACTURER'S RECOMMENDATIONS. THE CONTRACTOR SHALL AVALI HIMSELF OF ALL INSTALLATION GUIDES AND PROCEDURES PRIOR TO ORDERING MATERIALS AND BEGINNING THE WORK.

PUNCH-OUTS WILL HAVE A MAXIMUM WIDTH = HALF THE MEMBER DEPTH (D/2) OR 2½", WHICHEVER IS LESS, AND A MAXIMUM LENGTH = 4½". THE MINIMUM DISTANCE BETWEEN THE END OF THE MEMBER AND THE NEAR EDGE OF THE WEB PUNCH-OUT = 10".

PROVIDE ALL ACCESSORIES INCLUDING, BUT NOT LIMITED TO, TRACKS, CLIPS, WEB STIFFENERS, ANCHORS, FASTENING DEVICES, RESIDENT CLIPS AND OTHER ACCESSORIES REQUIRED FOR A COMPLETE AND PROPER INSTALLATION AND AS RECOMMENDED BY THE MANUFACTURER FOR THE STEEL MEMBERS USED.

DEFLECTION TRACKS TO ALLOW FOR 1½" DEFLECTION.

FASTENING OF COMPONENTS SHALL BE WITH SELF-DRILLING, #9 MIN. SCREWS WITH A MINIMUM OF 3 EXPOSED SCREW THREADS OR EPOXY ELECTRODES FOR WELDING. ALL WELDS OF CARBON SHEET STEEL SHALL BE TOUCHED UP WITH A ZINC-RICH PAINT. ALL WELDS OF CARBON SHEET STEEL SHALL BE TOUCHED UP WITH PAINT. WIRE TYING OF COMPONENTS SHALL NOT BE PERMITTED. WELDING SHALL BE PERFORMED IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY'S "STRUCTURAL WELDING CODE," AWS D1.3, "STRUCTURAL WELDING CODE – SHEET METAL."

ALL FRAMING COMPONENTS SHALL BE CUT SQUARELY FOR ATTACHMENT TO PERPENDICULAR MEMBERS.

STUDS SHALL BE PLUMBED, ALIGNED AND SECURELY ATTACHED.

RUNNERS SHOULD BE SECURELY ANCHORED TO THE SUPPORTING STRUCTURE AS SHOWN ON THE DRAWINGS.

JACK STUDS OR GRIPPIES SHALL BE INSTALLED BELOW WINDOW SILLS, ABOVE WINDOW AND DOOR HEADS AND ELSEWHERE TO FURNISH SUPPORTS.

ALL FULL HEIGHT STUDS FOR WINDOW JAMBS SHALL SUPPORT ALL WIND LOADS. STEEL COLUMNS ARE NOT DESIGNED FOR WIND LOADING FROM WINDOW.

LEGEND / ABBREVIATIONS

ADOTL =	ADDITIONAL
ALT. =	ALTERNATE
APPROX. =	APPROXIMATELY
ARCH. =	ARCHITECT
BM. =	BENCHMARK
B.O.F. =	BOTTOM OF FOOTING
B.O.S. =	BOTTOM OF STEEL
BRG. PL. =	BEARING PLATE
COL. =	COLUMN
CONN. =	CONNECTION
CONT. =	CONTINUOUS (SINGLE MEMBER)
DL =	DEAD LOAD
EF. =	EACH FACE
EL. =	ELEVATION
EMB. =	EMBEDMENT
E.O.S. =	EDGE OF SLAB
EW. =	EACH WAY
EXIST. =	EXISTING
EXT. =	EXTERIOR
FN. =	FOUNDATION
FT. =	FOOTING
GA. =	GALVEE
GALV. =	GALVANIZED
HOR. =	HORIZONTAL
K =	KIP (1 KIP = 1000 lbs)
LL =	LIVE LOAD
LLV =	LONG LEG VERTICAL
LLV =	LONG LEG VERTICAL

PROGRAM OF STRUCTURAL TESTS AND INSPECTIONS

FOR COMPLIANCE WITH CHAPTER 17 OF THE 7TH EDITION OF THE MASSACHUSETTS STATE BUILDING CODE

THE OWNER WILL EMPLOY A TESTING AGENCY (SELECTED BY THE ENGINEER/OWNER) TO PERFORM STRUCTURAL TESTS AND INSPECTIONS AS INDICATED ON THIS SHEET. TEST REPORTS SHALL BE ADDRESSED TO MCBRIE, LLC & SENT DIRECTLY FROM THE TESTING AGENCY.

OWNER: CMO CONSTRUCTION MANAGERS & DEVELOPERS, LLC

OWNER'S ADDRESS: 154 BROADWAY, SOMERVILLE, MA 02145

ARCHITECT OF RECORD: BROWN AND LARSON, P.A., CENTERPORT ARCHITECTS

STRUCTURAL ENGINEER OF RECORD (SER): MICHAEL FERNANDEZ MCBRIE, LLC

THE FOLLOWING FIRMS, AGENCIES, OR INDIVIDUALS (HEREINAFTER REFERRED TO COLLECTIVELY AS AGENS) WILL PERFORM THE TESTS AND INSPECTIONS UNDER THE DIRECTION OF THE SER.

AGENT	STRUCTURAL ENGINEER OF RECORD (LISTED ABOVE)
SER	OWNER'S TESTING SERVICE
OTS	LIGHT GAGE ENGINEER
GER	GEOTECHNICAL ENGINEER OF RECORD
N/A	NOT APPLICABLE FOR THIS PROJECT

THE ABBREVIATIONS WILL BE USED TO IDENTIFY WHICH AGENT IS PERFORMING THE PARTICULAR TESTS OR INSPECTIONS.

"IN ACCORDANCE WITH SPECIFICATIONS" IN THE TEST/SCOPE SHALL INCLUDE THE MASSACHUSETTS STATE BUILDING CODE, CHAPTER 17, AND THE SPECIFICATION FOR EACH MATERIAL AS INDICATED IN THE NOTES ON THIS SHEET (S) UNDER EACH MATERIAL HEADING

THE FOLLOWING CATEGORIES OF STRUCTURAL TESTS AND INSPECTIONS ARE INCLUDED IN THE PROGRAM FOR STRUCTURAL TESTS AND INSPECTIONS FOR THIS PROJECT:

STEEL CONSTRUCTION

AGENT	TEST/SCOPE
N/A	1. FABRICATOR CERTIFICATION/QUALITY CONTROL PROCEDURES.
OTS	2. REVIEW EACH FABRICATOR'S QUALITY CONTROL PROCEDURES
OTS	3. INSPECT IN-PLANT FABRICATION, OR REVIEW FABRICATOR'S APPROVED INDEPENDENT INSPECTION AGENCY'S REPORTS.
SER	4. MATERIAL CERTIFICATION.
OTS	5. REVIEW FOR CONFORMANCE TO THE SPECIFICATIONS.
OTS	6. BENDING AND INSPECT BOLTED CONNECTIONS IN ACCORDANCE WITH SPECIFICATIONS.
OTS	7. WELDING: CHECK WELDER QUALIFICATIONS, VISUALLY INSPECT FILLET WELDS AND TEST FULL-PENETRATION FIELD WELDS IN ACCORDANCE WITH SPECIFICATIONS.
N/A	8. SHEAR CONNECTORS.
SER	9. INSPECT FOR SIZE AND PLACEMENT. TEST FOR PROPER WELD ATTACHMENT.
OTS	10. INSPECT FOR SIZE, GRADE OF STEEL, CAMBER, INSTALLATION AND CONNECTION
OTS	11. VISUAL CHECK AGAINST APPROVED CONSTRUCTION DOCUMENTS AND SHOP DRAWINGS.
OTS	12. OPEN WEB STEEL JOISTS
OTS	13. VISUALLY INSPECT ALL WELDS OF A MINIMUM OF 5% OF THE JOISTS, RANDOMLY SELECTED.
OTS	14. METAL DECKING:
OTS	15. VERIFY GAGE, WIDTH, AND TYPE. INSPECT PLACEMENT, LAPS, WELDS, SIDLAP ATTACHMENT AND SCREWS OR OTHER MECHANICAL FASTENERS. CHECK WELDER QUALIFICATIONS.
OTHER:	16. OTHER:

CAST-IN-PLACE CONCRETE CONSTRUCTION

AGENT	TEST/SCOPE
SER	1. MATERIALS:
SER	2. MATERIALS CERTIFICATION.
OTS	3. REVIEW FOR CONFORMANCE TO SPECIFICATIONS.
OTS	4. BATCHING PLANT.
SER/OTS	5. REVIEW PLANT QUALITY CONTROL PROCEDURES AND BATCHING AND MIXING METHODS.
N/A	6. REINFORCEMENT INSTALLATION.
SER/OTS	7. INSPECT REINFORCING FOR SIZE, QUALITY, CONDITION AND PLACEMENT.
N/A	8. POST-TENSIONING OPERATIONS (T705.6.2).
SER	9. INSPECT TENSIONING AND ANCHORAGE OF TENDONS. INSPECT GROUTING OF ANCHORAGE DEVICES.
SER	10. FORMWORK GEOMETRY.
OTS	11. INSPECT FORM SIZES.
OTS	12. CONCRETE PLACEMENT:
OTS	13. OBSERVE CONCRETE PLACEMENT OPERATIONS. VERIFY CONFORMANCE TO SPECIFICATIONS INCLUDING COOLD-WEATHER AND HOT-WEATHER PLACEMENT PROCEDURES. PERFORM SLUMP, DENSITY AND AIR CONTENT TESTS AT POINT OF DISCHARGE.
OTS	14. EVALUATION OF CONCRETE STRENGTH.
OTS	15. TEST AND EVALUATE IN ACCORDANCE WITH THE SPECIFICATIONS.
OTS	16. CURING PROCEDURES.
OTS	17. OBSERVE PROCEDURE FOR CONFORMANCE TO THE SPECIFICATIONS.
OTHER:	18. OTHER:

CONTROLLED STRUCTURAL FILL (PREPARED FILL)

AGENT	TEST/SCOPE
GER	1. FILL MATERIAL:
GER	2. TEST MATERIAL FOR CONFORMANCE TO SPECIFICATIONS OR GEOTECHNICAL REPORT.
GER	3. PERFORM LABORATORY COMPACTION TESTS IN ACCORDANCE WITH THE SPECIFICATIONS TO DETERMINE OPTIMUM WATER CONTENT AND MAXIMUM DRY DENSITY.
GER	4. INSTALLATION OF CONTROLLED STRUCTURAL FILL (780 CMR 7705.9.1 AND 2).
GER	5. PROVIDE FILL-TIME INSPECTION OF THE INSTALLATION, IN ACCORDANCE WITH THE SPECIFICATIONS AND 7705.9.3.1 AND 2.
GER	6. DENSITY OF FILL (780 CMR 7705.9.3.1 AND 2).
GER	7. PERFORM FIELD DENSITY TESTS OF THE IN-PLACE FILL IN ACCORDANCE WITH THE SPECIFICATIONS AND 780 CMR 7705.9.3.

IN-SITU BEARING STRATA FOR FOOTINGS

AGENT	TEST/SCOPE
GER	1. BEARING STRATA FOR FOOTINGS.
GER	2. INSPECT STRATA FOR CONFORMANCE TO THE STRUCTURAL DRAWINGS, SPECIFICATIONS, AND/OR GEOTECHNICAL REPORT.
GER	3. BEARING SURFACES OF FOOTINGS.
GER	4. INSPECT BEARING SURFACES FOR CONFORMANCE TO THE REQUIREMENTS OF THE SPECIFICATIONS, AND/OR GEOTECHNICAL REPORT.
OTHER:	5. OTHER:

LIGHT GAGE METAL FRAMING

AGENT	TEST/SCOPE
LOC	1. FABRICATOR'S QUALITY CONTROL PROCEDURES.
LOC	2. REVIEW FABRICATOR'S QUALITY CONTROL PROCEDURES.
LOC	3. MATERIAL CERTIFICATION.
LOC	4. REVIEW FOR CONFORMANCE TO CONTRACT DOCUMENTS.
LOC	5. INSPECTION-PLANT FABRICATION OR ON-SITE FABRICATION.
LOC	6. INSTALLATION.
LOC	7. VERIFY THAT TYPE, SIZE, QUANTITY, LOCATION, DETAILS, AND CONNECTIONS OF FRAMING MEMBERS CONFORM TO SER APPROVED SUBMITTALS, AND THE CONTRACT DOCUMENTS.
LOC	8. WELDING:
LOC	9. CHECK WELDERS' QUALIFICATIONS. VERIFY THAT WELDING CONFORMS TO AWS SPECIFICATIONS, SER APPROVED SUBMITTALS, AND THE CONTRACT DOCUMENTS.
LOC	10. VISUALLY INSPECT WELDS.
LOC	11. OTHER FASTENERS:
LOC	12. VERIFY THAT TYPE AND INSTALLATION PROCEDURES. VERIFY THAT FASTENERS CONFORM TO SER APPROVED SUBMITTALS AND THE CONTRACT DOCUMENTS. VERIFY THAT FASTENERS ARE INSTALLED TIGHT.
OTHER:	13. OTHER:

THE FOLLOWING ITEMS OF CONSTRUCTION ARE SPECIFIED IN THE STRUCTURAL PLANS OR SPECIFICATIONS ON A PERFORMANCE BASIS. IN ACCORDANCE WITH 780 CMR 1701.11, THEIR STRUCTURAL DESIGN WILL BE REVIEWED BY THE SER AND THEIR CONSTRUCTION IS INCLUDED IN THE PROGRAM FOR TESTS AND INSPECTIONS.

—STRUCTURAL STEEL CONNECTIONS

THE FOLLOWING ITEMS ARE EXCLUDED FROM THIS PROGRAM OF STRUCTURAL TESTS AND INSPECTIONS, SINCE THEY ARE DESIGNED BY OTHER STRUCTURAL ENGINEERS NOT UNDER THE AEGIS OF THE SER AND THE SER WAS NOT RETAINED TO PROVIDE PERFORMANCE SPECIFICATIONS FOR THEIR DESIGN. THESE OTHER STRUCTURAL ENGINEERS MUST BE ASSIGNED BY THE OWNER, ARCHITECT, OR CONSTRUCTION CONTRACTOR, AS APPLICABLE, TO BE SPECIAL SER'S FOR THEIR RESPECTIVE DESIGNS AND TO PROVIDE A PROGRAM OF STRUCTURAL TESTS AND INSPECTIONS FOR THEIR RESPECTIVE DESIGNS.

—LIGHT GAGE METAL FRAMING

THE VILLAGE SHOPPES
OF NORTH READING
303 MAIN STREET
NORTH READING, MA
MCBRIE, LLC PROJECT #B-069

PREPARED FOR:
CONSTRUCTION MANAGERS
AND DEVELOPERS, LLC
154 BROADWAY
SOMERVILLE, MA 02145

McBrie, LLC
Structural Design & Sales

160 SYLVAN STREET TEL. 978-646-0097
2nd FLOOR FAX 978-646-0087
DANVER, MA 01923 WWW.MCBRIE.COM

DRAWN BY: LMB & EJR
CHECKED BY: WJP
DATE: 06/06/08

GENERAL NOTES
AND PROGRAM OF
STRUCTURAL TESTS
& INSPECTIONS

ISSUED FOR CONSTRUCTION
09/22/10

S