GENERAL REQUIREMENTS:

1. DESIGN CRITERIA: DESIGN CODE: LOUSIANA BUILDING CODE

2. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES.

3. ALL MATERIALS AND WORK PERFORMED SHALL CONFORM WITH THE REQUIREMENTS OF THE GOVERNING BUILDING CODES AND BUILDING ORDINANCES.

4. CONSTRUCTION AND MATERIALS SHALL COMPLY WITH AND BE INSTALLED IN ACCORDANCE WITH ALL THE REQUIREMENTS OF ALL LEGALLY CONSTITUTED PUBLIC AUTHORITIES HAVIN JURISDICTION, INCLUDING ALL COUNTY AND LOCAL ORDINANCES, AND THE SAFETY ORDERS OF THE STATE INDUSTRIAL ACCIDENT COMMISSION, OSHA.

5. ALL MATERIALS SHALL BE FURNISHED AS SHOWN HEREIN UNLESS EQUAL ALTERNATES ARE APPROVED IN WRITING BY THE OWNER AND THIS ENGINEER.

6. NO CHANGES ARE TO BE MADE TO THESE PLANS WITHOUT THE KNOWLEDGE AND WRITTEN CONSENT OF THIS ENGINEER.

7. THE OWNER SHALL HAVE THE RIGHT TO MAKE CERTAIN CHANGES IN THE WORK AND THE CONTRACT AMOUNT SHALL BE ADJUSTED ACCORDINGLY. HOWEVER, THE GENERAL CONTRACTOR SHALL NOT PROCEED WITH ANY CHANGES WITHOUT THE WRITTEN APPROVAL OF THE OWNER.

8. SEE ARCHITECT'S SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS, IF APPLICABLE.

9. THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES, INCLUDING, BUT NOT LIMITED TO BRACING AND SHORING. OBSERVATION VISITS TO THE SITE BY FIELD REPRESENTATIVES OF THE ARCHITECT OR ENGINEER SHALL NOT INCLUDE INSPECTIONS OF THE PROTECTIVE MEASURES OR TH CONSTRUCTION PROCEDURES. ANY SUPPORT SERVICES PERFORMED BY THE ARCHITECT OR ENGINEER DURING THE CONSTRUCTION SHALL BE DISTINGUISHED FROM CONTINUOUS AND DETAILED INSPECTION SERVICES WHICH ARE FURNISHED BY OTHERS. THESE SUPPORT SERVICES PERFORMED BY THE ARCHITECT OR ENGINEER, WHETHER OF MATERIAL OR WORK, AND FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND IN ACHIEVING CONFORMANCE WITH CONTRACT DOCUMENTS, DO NOT GUARANTEE CONTRACTOR'S PERFORMANCE AND SHALL NOT BE CONSTRUED AS SUPERVISION OF CONSTRUCTION.

10. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL WORK, INCLUDING THAT OF ALL SUB--TRADES.

11. ANY REFERENCE TO THE WORDS APPROVED, OR APPROVAL IN THESE DOCUMENTS SHALL BE HERE DEFINED TO MEAN GENERAL ACCEPTANCE OR REVIEW AND SHALL NOT RELIEVE THE CONTRACTOR AND/OR HIS SUB--CONTRACTORS OF ANY LIABILITY IN FURNISHING THE REQUIRED MATERIALS OR LABOR SPECIFIED.

12. WHERE A SECTION OR TYPICAL DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE OR SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.

13. CONNECTIONS OF ALL ITEMS SUPPORTED BY THE STRUCTURE ARE THE RESPONSIBLITY OF THE DISCIPLINES WHO ARE MAKING THESE ATTACHMENTS. THESE ATTACHMENTS SHALL BE DESIGNED TO RESIST ALL GRAVITY, WIND, SEISMIC, THERMAL LOADS, ETC. SPRINKLER PIPING SHALL BE SUPPORTED AND BRACED PER NFPA-13. SUSPENDED CEILING SYSTEMS OF ACOUSTICAL TILE OR LAY--IN PANELS SHALL BE SUPPORTED AND BRACED PER UBC STANDARD 25-2 (ASTM 0635 AND C636)

14. GENERAL CONTRACTOR SHALL VISIT THE JOB SITE AND VERIFY ALL GRADES, DIMENSIONS, AND CONDITIONS PRIOR TO BIDDING AND COMMENCING CONSTRUCTION. ALL DIMENSION CONTROLLED BY EXISTING CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE.

15. GENERAL CONTRACTOR SHALL NOTIFY ENGINEER AND ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES FOUND WITHIN THE CONTRACT DOCUMENTS.

16. CONCRETE SLAB-ON-GRADE HAS NOT BEEN DESIGNED FOR CONSTRUCTION LOADS OR SPECIFIC OCCUPANT SERVICE LOADS BY THE STRUCTURAL ENGINEER.

17. VIBRATIONAL EFFECTS OF MECHANICAL EQUIPMENT HAVE NOT BEEN CONSIDERED BY THE STRUCTURAL ENGINEER.

SHOP DRAWINGS:

1. THIS ENGINEER WILL REVIEW CONTRACTOR'S SHOP DRAWINGS AND RELATED SUBMITALS WITH RESPECT TO THE ABILITY OF DETAILED WORK, WHEN COMPLETE, TO BE A PROPERLY FUNCTIONING INTEGRAL ELEMENTS OF THE OVERALL STRUCTURAL SYSTEM DESIGNED BY THI ENGINEER. APPROVAL OF THE SHOP DRAWINGS WILL BE FOR SIZE AND ARRANGEMENT OF THE MEMBERS AND CONNECTIONS ONLY AND SHALL IN NO WAY REMOVE THE RESPONSIBILITY O DESIGN, DETAILING, AND FABRICATION FROM THE SUBCONTRACTOR.

2. BEFORE SUBMITTING A SHOP DRAWING OR ANY RELATED MATERIAL TO THIS ENGINEER, CONTRACTOR SHALL REVIEW EACH SUCH SUBMISSION FOR CONFORMANCE WITH THE MEANS METHODS, TECHNIQUES, SEQUENCES, AND OPERATIONS OF CONSTRUCTION, AND SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL THERETO, ALL OF WHICH ARE THE SOLE RESPONSIBILITY OF CONTRACTOR AND APPROVE EACH SUCH SUBMISSION BEFORE SUBMITTIN IT. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY CHANGES OR DELAYS CAUSED B PREMATURELY SUBMITTING SHOP DRAWINGS. THIS ENGINEER'S SHOP DRAWING REVIEW AN STAMP DOES NOT ALLEVIATE THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE SAME SHO DRAWINGS. THIS ENGINEER SHALL ASSUME THAT NO SHOP DRAWING OR RELATED SUBMITTA COMPRISES AN INTENTIONAL VARIATION UNLESS CONTRACTOR ADVISES THIS ENGINEER OTHERWISE VIA A WRITTEN INSTRUMENT WHICH IS ACKNOWLEDGED BY THIS ENGINEER IN WRITING.

3. THE SHOP DRAWINGS AND RELATED MATERIAL (IF ANY) CALLED FOR ARE INDICATED WITHIN THE GENERAL AND MATERIAL NOTES ON THIS SHEET. THE CONTRACTOR SHALL ALLOW (10) WORKING DAYS FOR THIS ENGINEER TO PERFORM THE REVIEW. THIS ENGINEER WILL RETURN SHO DRAWINGS AND RELATED MATERILAS WITH COMMENTS PROVIDED THAT EACH SUBMISSION HA BEEN CALLED FOR AND IS STAMPED BY CONTRACTOR AS INDICATED ABOVE. THIS ENGINEE WILL RETURN WITHOUT COMMENT MATERIAL NOT CALLED FOR.

4. **IF CONTRACTOR PREFERS TO BUILD FROM THESE DIMENSIONAL DRAWINGS, SHOP DRAWINGS ARE NOT REQUIRED.**

STRUCTURAL STEEL:

1. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE LATEST REVISED EDITION OF THE AISC MANUAL OF STEEL CONSTRUCTION, WHICH INCLUDES THE SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, THE CODE OF STANDARD PRACTICE AND THE AWS STRUCTURAL WELDING CODE, IDENTIFY AND MARK STEEL PER UBC 2203.

2. STRUCTURAL STEEL SHOP DRAWINGS SHALL BE REVIEWED BY THE STRUCTURAL ENGINEER PRIOR TO FABRICATION.

3. MATERIAL SPECIFICATION:

   W - SHAPES
   ASTM APP2 OR ASTM A572 GRADE 50

   C -, S -, M -, ANGLE SHAPES, BARS AND PLATES:
   ASTM A36

   TUBE STEEL (T.S.) & PIPE COLUMNS (P.C.)
   ASTM A500, GRADE B

4. GROUTING OF COLUMN BASE PLATES:

   BASE PLATES SHALL BE DRYPACKED OR GROUTED WITH "FIVE-STAR" NON-SHRINK GROUT OR EQUAL, MINIMUM COMPRESSIVE STRENGTH SHALL E 4000 psi AT 38 DAYS. ALL SURFACES SHALL BE PROPERLY CLEANED OF FOREIGN MATERIAL PRIOR TO THE GROUTING OPERATION.

5. ALL WELDING SHALL BE ACCOMPLISHED USING THE SHIELDED METAL ARC WELDING PROCESS (SMAW) WITH E70XX ELECTRODES OR THE SUBMERGED ARC WELDING PROCESS WITH E7X-EXXX ELECTRODES OR THE FLUX-CORED ARC WELDING PROCESS (FCAW) WITH E71T-8 OR E70T-6 ELECTRODES. LOW HYDROGEN ELECTRODES SHALL BE USED AND KEPT DRY, AND PARENT METALS SHALL BE PREHEATED IN ACCORDANCE WITH AWS REQUIREMENTS.

6. ALL WELDING SHALL BE UNDER CONTINUOUS SPECIAL INSPECTION BY A REGISTERED SPECIAL INSPECTOR. EXCEPT WELDING DONE IN A BUILDING DEPARTMENT APPROVED FABRICATOR'S SHOP IN ACCORDANCE WITH UBC 1701.7. WELDING INSPECTION MAY BE PERIODIC WHERE ALLOWED BY UBC 1701.5.5.1. WELDING SHALL BE PERFORMED BY AWS OR CERTIFIED WELDERS. WELDERS SHALL HAVE LIGHT GAUGE STEEL CERTIFICATION WHEN WELDING LIGHT GAUGE STEEL.

7. FULL PENETRATION WELDED CONNECTIONS (100%) AT MOMENT FRAMES, BRACED FRAMES, AND ALL FULL PENETRATION FIELD WELDS SHALL HAVE ULTRASONIC TESTING FOR COMPLIANCE WITH SEC. 1703, OF THE UNIFORM BUILDING CODE. ULTRASONIC TESTING SHALL BE PERFORMED BY AN INDEPENDENT TESTING AGENCY THAT HAS BEEN INSPECTED BY THE NATIONAL STANDARDS. TESTING INSPECTIONS SHALL BE QUALIFIED BY ASNT BUREAU OF RECOMMENDED PRACTICE SNT-TC-A1. PROVIDE PROPER SURFACE PREP. AND BACKUP PLATES AS REQUIRED PER AISC AND AWS.

8. ALL EXPOSED WELDS SHALL BE FILLED AND GROUND SMOOTH WHERE METAL COULD COME IN CONTACT WITH THE PUBLIC.

9. WELDED STUDS SHALL BE ASTM A108 NELSON SHEAR CONNECTOR STUDS(ICBO 2614) AND ARE AUTOMATICALLY END WELDED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS IN ORDER TO PROVIDE COMPLETE FUSION TO THE BASE METAL. STUD LENGTHS INDICATED ARE AFTER-WELD LENGTHS.

10. ALL SHOP AND FIELD BOLTED CONNECTIONS SHALL BE IN ACCORDANCE WITH ASTM A-307 USING UNFINISHED AMERICAN STANDARD REGULAR BOLTS, UNLESS OTHERWISE NOTED.

11. NO HOLES OTHER THAN THOSE SPECIFICALLY DETAILED SHALL BE ALLOWED THRU STRUCTURAL STEEL MEMBERS. BOLT HOLES SHALL CONFORM TO AISC SPECIFICATION, AND SHALL BE STANDARD HOLES UNLESS OTHERWISE NOTED. NO CUTTING OR BURNING OF STRUCTURAL STEEL WILL BE PERMITTED WITHOUT PRIOR CONSENT OF THE ENGINEER.

12. HIGH STRENGTH BOLTS WHERE INDICATED IN THE PLANS OR DETAILED SHALL CONFORM TO A.S.T.M. A325 OR A490, AND BE PROVIDED WITH HARDENED WASHERS CONFORMING TO A.S.T.M. F436. SLIP-CRITICAL TYPE BOLTS (A325-SC OR A490-SC) SHALL BE TWST-OFF-TYPE TENSION-CONTROL BOLT ASSEMBLY. CONTACT SURFACES SHALL BE CLEAN WILL SCALE OR CLASS A QUALIFIED COATINGS.

REGISTERED PROFESSIONAL ENGINEER
MING LI
No. 3042
Exp. 6-30-12
STRUCTURAL
STATE OF CALIFORNIA

REVISIONS					
NUMBER	DATE	INITIALS	LOCATION	DESCRIPTION	APPROVED
1		MGP			

REFERENCES

FILE NAME E818-s5.dwg

SCALE	NONE	DATE
DESIGNER		
ASSISTANT		
DRAWN BY	MGP	
CHECKED BY	ML	
LAST UPDATE	MGP	

APPROVED	DATE
OWNER	

COVINGTON PLATFORM
DETAIL

PBL ENGINEERING, INC. IRVINE, CA. 92612 (949) 440-3221
ENGINEERING, DESIGN, AND MANAGEMENT

DRAWING NUMBER
PRJ# 818-S5-0