FILE NAME: J:\- Offices\2416 - McMath Office - 2052 E Gause Blvd\Drawings\Current Drawings\S001 - Specifications.dwg PLOT DATE & TIME: Thursday, April 30, 2020 4:52:43 PM

GENERAL SPECIFICATIONS

1. THE FOLLOWING ARE AEBREVIATED SPECIFICATIONS. ALL ITEMS NECESSARY FOR A COMPLETE AND OPERABLE JOB (TO THE SATISFACTION OF OWNER) WHETHER SHOWN OR IMPLIED SHALL BE HELD AS THE RESPONSIBILITY OF THIS CONTRACTOR
2. IMPORTANT NOTE: "CONTRACTOR" REFERENCED IN THESE SPECIFICATIONS SHALL INDICATE WORK BY ELECTRICAL CONTRACTOR OR ANY OF HIS SUBCONTRACTORS UNLESS NOTED OTHERWISE.
3. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT ONLY. COORDINATE INSTALLATION WITH OTHER TRADES TO VERIFYTHE ACTUAL SPACE CONDITIONS, HEADROOM, ETC. THAT IS TO BE MAINTAINED. NO ADDITIONAL PAYMENT WILL BE APPROVED FOR FAILURE TO COMPLY.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL NECESSARY PARKING FOR PERSONNEL AROUND BUILDING.
5. CONTRACTOR'S SCOPE OF WORK SHALL INCLUDE ALL ITEMS DEFINED IN THE CONTRACT DOCUMENTS. THE CONTRACT DOCUMENTS INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING: THE CONTRACT, SPECIFICATIONS, AND CONSTRUCTION DRAWINGS. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO INSTALL ALL ELECTRICAL DEVICES, FIXTURES, LAMPS, EQUIPMENT, SPECIAL SYSTEMS, CONDUIT, WIRING ETC. AS SHOWN OR IMPLIED ON THE DRAWINGS AND PROVIDE A COMPLETE OPERATIVE SYSTEM TO THE SATISFACTION OF OWNER.
6. CONTRACTOR SHALL PROVIDE ON-SITE SUPERVISION AT ALL TIMES WHILE THE WORK IS BEING PERFORMED AND SHALL DIRECT ALL WORK, USING HIS BEST SKILL AND ATTENTION. HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES AND SEQUENCES FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
7. CONTRACTOR SHALL PROVIDE TEMPORARY WATER, POWER AND TOILET FACILITIES AS REQUIRED BY THE CITY OR GOVERNING AGENCY.
8. INSTALLATION OF ALL ELECTRICAL EQUIPMENT, DEVICES, CONDUITS, ETC. MUST BE COORDINATED WITH ALL OTHER TRADES. COORDINATE SHUTDOWN TIMES AND WORKING HOURS WITH BUILDING OWNER, INCLUDING OFF HOURS, WEEKEND, AND HOLIDAY WORK AS REQUIRED.
9. ANY DISCREPANCIES FOUND WITHIN THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE OWNER IN WRITING PRIOR TO THE AWARD OF THE CONTRACT AND AN ADDENDUM WILL BE ISSUED TO COVER SAME.
10. GUARANTEE- CONTRACTOR SHALL FURNISH OWNER WITH A WRITTEN GUARANTEE TO PROMPTLY REMEDY ALL DEFECTS WITHOUT CHARGE FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE AND INSPECTION.
11. MATERIALS- ALL MATERIALS AND EQUIPMENT SHALL BE NEW IN ORIGINAL CONTAINERS/WRAPPINGS, SHALL BE SPECIFICATION GRADE AND LABELED OR LISTED BY U.L. OR AN ACCREDITED TESTING ORGANIZATION AS REQUIRED BY LOCAL INSPECTORS.
12. ALL EQUIPMENT SHALL BE DESIGNED TO OPERATE ON VOLTAGE AND PHASE SPECIFIED. CONTRACTOR FURNISHING EQUIPMENT OTHER THAN INDICATED SHALL BE RESPONSIBLE FOR ANY CHANGES IN CONDUCTORS, RACEWAYS, SWITCHES, MAIN FEEDERS, AND APPURTENANCES AND PAY ALL ASSOCIATED COSTS. REQUIREMENTS FOR ANY INCREASE IN CAPACITIES SHALL BE REVIEWED BY ENGINEER.

DIMENSIONAL LUMBER FRAMING NOTES:

1. WOOD FRAME BUILDING SHALL BE CONSTRUCTED TO WITHSTAND 150 MPH WINDS, ROUGHNESS B, EXPOSURE B.
2. SHOP DRAWINGS MUST BE CHECKED BY THE FABRICATOR AND BEAR CHECKER'S INITIALS AND APPROVED BY THE GENERAL CONTRACTOR BEFORE BEING SUBMITTED FOR REVIEW. REVIEW OF SHOP DRAWINGS IS LIMITED TO CHECKING FOR CONFORMANCE WITH DESIGN DRAWINGS, STRENGTH OF DIMENSIONAL MEMBERS, ERRORS AND OMISSIONS IN SHOP DRAWINGS.
3. THE FOLLOWING DEFLECTIONS SHALL APPLY:
   A. EXTERIOR LOAD-BEARING WALL FRAMING: HORIZONTAL DEFLECTION OF 1/240 OF THE WALL HEIGHT.
   B. INTERIOR LOAD-BEARING WALL FRAMING: HORIZONTAL DEFLECTION OF 1/240 OF THE WALL HEIGHT UNDER A HORIZONTAL LOAD OF 5 LBF/SQ. FT.
   C. EXTERIOR NON-LOAD-BEARING FRAMING: HORIZONTAL DEFLECTION OF 1/240 OF THE WALL HEIGHT.
   D. ROOF RAFTER FRAMING: HORIZONTAL DEFLECTION OF 1/180 OF THE HORIZONTALLY PROJECTED SPAN.
   E. CEILING JOIST FRAMING: VERTICAL DEFLECTION OF 1/240 OF THE SPAN.

3. FRAMING SYSTEMS SHALL PROVIDE FOR MOVEMENT OF FRAMING MEMBERS WITHOUT DAMAGE OR OVERSTRESSING, SHEATHING FAILURE, CONNECTION FAILURE, UNDUE STRAIN ON FASTENERS AND ANCHORS, OR OTHER DETRIMENTAL EFFECTS WHEN SUBJECT TO A MAXIMUM AMBIENT TEMPERATURE CHANGE OF 120 DEG F.

4. FRAMING SYSTEM SHALL MAINTAIN CLEARANCES AT OPENINGS, TO ALLOW FOR CONSTRUCTION TOLERANCES, AND TO ACCOMMODATE LIVE LOAD DEFLECTION OF PRIMARY BUILDING STRUCTURE FOR UPWARD AND DOWNWARD MOVEMENT OF 1/2 INCH.

5. KILN-DRY LUMBER AFTER TREATMENT SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 19%. DO NOT USE MATERIAL THAT IS WARPED OR DOES NOT COMPLY WITH REQUIREMENTS FOR UNTREATED MATERIAL. KILN-DRY PLYWOOD AFTER TREATMENT SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 15%.

5. ALL WOOD-PRESERVATIVE-TREATED LUMBER SHALL MEET THE AWPA C2 GUIDELINES EXCEPT WHERE SUCH LUMBER THAT IS NOT IN CONTACT WITH THE GROUND AND IS CONTINUOUSLY PROTECTED FROM LIQUID WATER MAY BE TREATED ACCORDING TO AWPA C31 WITH INORGANIC BORON SBX.

7. ALL WOOD-PRESERVATIVE-TREATED LUMBER SHALL BE MARKED WITH A TREATMENT QUALITY MARK OF AN INSPECTION AGENCY APPROVED BY THE ALSC BOARD OF REVIEW.

8. WOOD-PRESERVATIVE-TREATED LUMBER SHALL BE USED AS INDICATED ON THE DRAWINGS AND ALSO THE FOLLOWING:
   A. WOOD CANTS, NAILERS, CURBS, EQUIPMENT SUPPORT BASES, BLOCKING, STRIPPING, AND SIMILAR MEMBERS IN CONNECTION WITH ROOFING, FLASHING, VAPOR BARRIERS, AND WATERPROOFING.
   B. WOOD SILLS, SLEEPERS, BLOCKING, FURRING, STRIPPING, AND SIMILAR CONCEALED MEMBERS IN CONTACT WITH CONCRETE.
   C. WOOD FRAMING AND FURRING ATTACHED DIRECTLY TO THE INTERIOR OF BELOW-GRADE EXTERIOR CONCRETE WALLS.
   D. WOOD FRAMING MEMBERS THAT ARE LESS THAN 18 INCHES ABOVE THE GROUND IN CRAWLSPACES OR UNEXCAVATED AREAS.
   E. WOOD FLOOR PLATES THAT ARE INSTALLED OVER CONCRETE SLABS-ON-GRADE.
      a. INSTALL SILL PLATE GASKETS AT ALL EXTERIOR WALLS BY ONE OF THE FOLLOWING MANUFACTURERS:
         1) OWENS CORNING FOAM SEAL R
         2) DOW WEATHERMATE SILL SEAL

9. IDENTIFY ALL FIRE-RETARDANT-TREATED WOOD WITH APPROPRIATE CLASSIFICATION MARKING OF A QUALIFIED TESTING AGENCY.

10. TREAT THE FOLLOWING WITH FIRE-RETARDANT-TREATED WOOD:
    A. CONCEALED BLOCKING.
    B. ROOF CONSTRUCTION.
    C. PLYWOOD BACKING PANELS.

11. INTERIOR PARTITIONS NOT INDICATED AS LOAD BEARING SHALL BE CONSTRUCTED WITH CONSTRUCTION GRADE OR NO. 2 GRADE SOUTHERN PINE LUMBER.

12. ALL LOAD BEARING INTERIOR AND EXTERIOR PARTITIONS SHALL BE NO. 2 GRADE SOUTHERN PINE.

13. OTHER FRAMING SHALL BE ANY SPECIES AND GRADE WITH A MODULUS OF ELASTICITY OF AT LEAST 1.400,000 AND AN EXTREME FIBER STRESS IN BENDING OF AT LEAST 1000 PSI FOR 2" NOMINAL THICKNESS AND 12" NOMINAL WIDTH FOR SINGLE MEMBER USE.

14. PROVIDE CONSTRUCTION GRADE OR NO 2 GRADE LUMBER OF ANY SPECIES FOR MISCELLANEOUS ITEMS SUCH AS:
    A. BLOCKING
    B. NAILERS.
    C. FURRING.
    D. GROUNDS.

15. FOR CONCEALED BOARDS, PROVIDE LUMBER WITH A 19% MAXIMUM MOISTURE CONTENT OF NO. 2 SOUTHERN PINE.

16. PROVIDE 3/4 INCH FIRE-RETARDANT TREATED PANELS FOR EQUIPMENT SUPPORT PANELS.

17. FASTENERS:
    A. PROVIDE FASTENERS OF SIZE AND TYPE INDICATED. WHERE ROUGH CARPENTRY IS EXPOSED TO WEATHER, IN CONTACT WITH THE GROUND, PRESSURE-PRESERVATIVE TREATED, OR IN AN AREA WITH HIGH RELATIVE HUMIDITY, PROVIDE FASTENERS WITH HOT-DIP ZINC COATING COMPLYING WITH ASTM A 153.
    B. POWER-DRIVEN FASTENERS SHALL COMPLY WITH NES ESR-1539
    C. STEEL BOLTS SHALL COMPLY WITH ASTM A 307, GRADE A; HEX NUTS SHALL COMPLY WITH ASTM A 563.
18. PROVIDE GLASS FIBER RESILIENT INSULATION, FABRICATED IN STRIP FORM FOR USE AS A SILL SEALER; 1" NOMINAL THICKNESS, COMPRESSIBLE TO 1/32" OR A CLOSED CELL NEOPRENE FOAM 1/4" THICK.
19. PROVIDE FLEXIBLE FLASHING AS A COMPOSITE, WITH SELF-ADHESIVE, FLASHING PRODUCT CONSISTING OF A PLIABLE, BUTYL RUBBER OR RUBBERIZED-ASPHALT COMPOUND, BONDED TO A HIGH-DENSITY POLYETHYLENE FILM, ALUMINUM FOIL, OR SPUNBONDED POLYOLEFIN TO PRODUCE AN OVERALL THICKNESS OF NOT LESS THAN 0.025".

WIND SPEED DESIGN REQUIREMENTS

THIS BUILDING SHALL BE CONSTRUCTED PER IBC SEC 1609 AS A FULLY ENCLOSED BLDG USING THE FOLLOWING INFORMATION:

WIND DESIGN DATA:			
DETERMINATION OF WIND LOADS SHALL BE IN ACCORDANCE WITH IBC SEC 1609.3 (1), (2), OR (3) DEPENDING ON THE RISK CATEGORY			
WIND SPEED Vult =		143MPH	
NOMINAL DESIGN WIND SPEED Vasd =		111 MPH (Vult x $(0.6)^{\frac{1}{2}}$)	
RISK CATEGORY:	CATEGORY II BLDG	SURFACE ROUGHNESS =	B
TOPOGRAPHIC FACTOR =	1	EXPOSURE =	B
INTERNAL PRESSURE COEFFICIENT (ASCE 7-10 TABLE 26.11-1):		± 0.18	
COMPONENTS & CLADDING PRESURE		p(+) = 16.5 psf	p(-) = 33.6 psf
LIVE LOADS (IBC SEC 1607)			
OFFICE LOBBIES & CORRIDORS 1ST FLOOR		100 PSF UNIFORM & 2,000 LB CONCENTRATED	
OFFICES (IBC TABLE 1607.1):		50 PSF UNIFORM & 2,000 LB CONCENTRATED	
CORRIDORS ABOVE 1ST FLOOR		80 PSF UNIFORM & 2,000 LB CONCENTRATED	
UNINHABITABLE ATTICS WITH STORAGE		30 PSF	
ROOF LIVE LOADS (IBC TABLE 1607.1):		20 PSF UNIFORM & 300 LB CONCENTRATED	
SNOW LOADS (IBC SEC 1608):			
GROUND SNOW LOAD (IBC FIG 1608.2):		5 PSF	

FLOOD ZONE INFORMATION

BASED ON THE SURVEY OF THIS PROPERTY BY J.V. BURKES AND ASSOCIATES, INC. THIS PROPERTY IS PARTIALLY IN A SPECIAL FLOOD HAZARD AREA. F.I.R.M. COMMUNITY MAP NO 225205 0440 D; REVISED 4/21/99

FLOOD ZONE:	B & C	BASE FLOOD ELEVATION	13 NGVD
ELEVATIONS REFER TO NGVD 1929 DATUM			
FINISHED FLOOR ELEVATION = 15.5 FT			

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REVISIONS

#	DESCRIPTION	DATE

SEAL:

NEW OFFICE BUILDING
McMATH CONSTRUCTION
LOT 2C PHILLIPS BUSINESS PARK
2052 GAUSE BLVD. EAST, SLIDELL LA 70461

JOB No:	2416	DATE:	4/17/2020
DRAWN BY:	DD	CHECKED BY:	CKD

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SHEET TITLE:
STRUCTURAL SPECIFICATIONS

DRAWING NUMBER:
S001

SHEET No: of