BUSINESS FAC

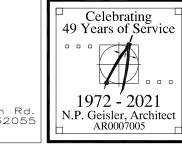
A.4 ARCHITE	A.3 PEMB FO	A.2 FLOOR F	A.I ELEVATI	G.I GENERA	LSP.1 LIFE SAF	CS.I COVER	O
ARCHITECTURAL DETAILS	PEMB FOUNDATION	FLOOR PLAN & ELECTRICAL PLAN, NOTES, DETAILS & PANEL	ELEVATIONS & ADA DETAILS	GENERAL NOTES	LIFE SAFETY PLAN	COVER SHEET, DRAWING INDEX	

N.P. GEISL ĘR

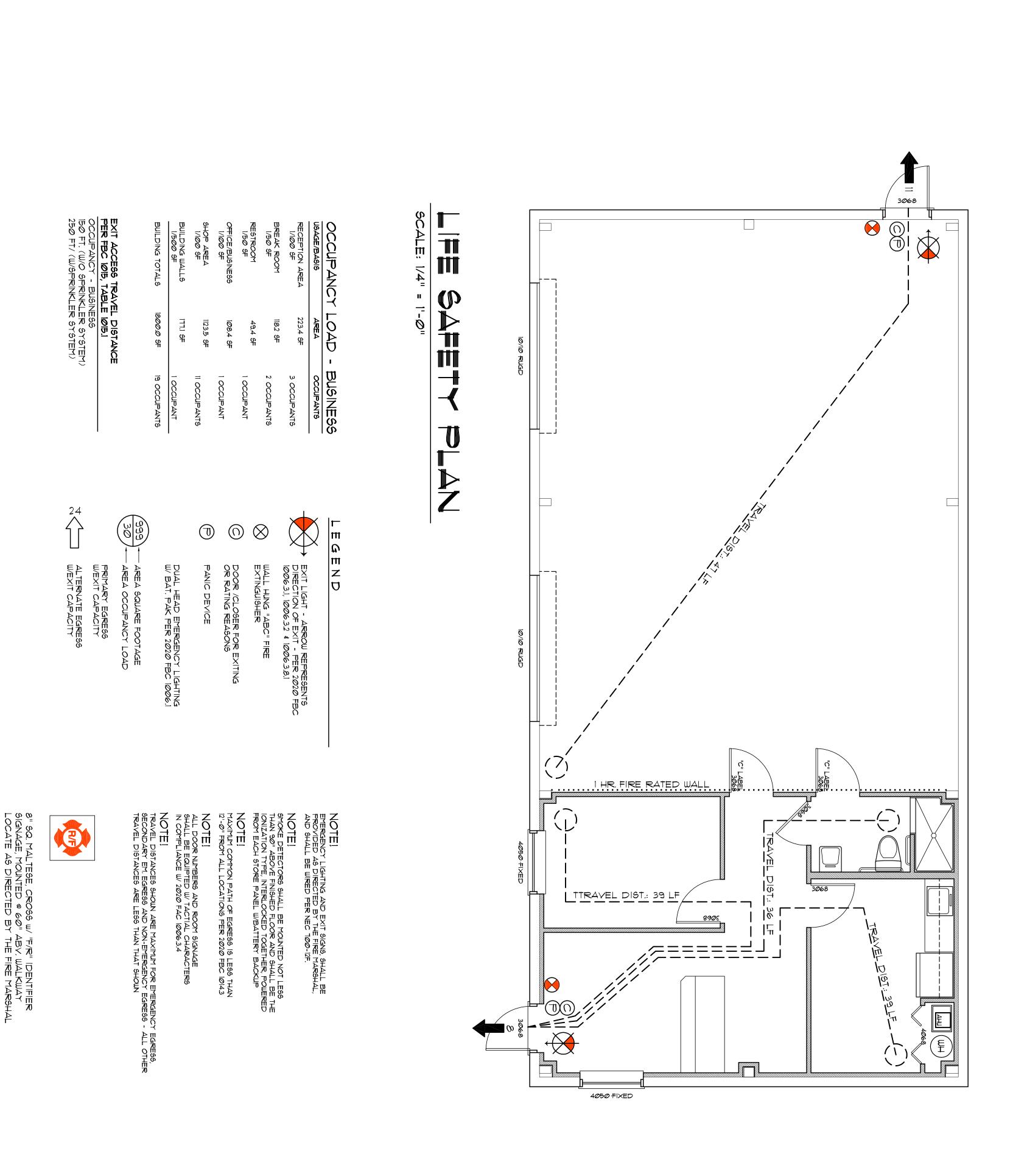
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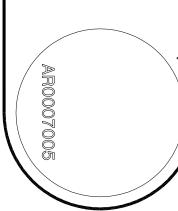






BUSINESS FACILITY for MARK LANE BAYA AVENUE, LAKE CITY, FLORIDA COYER SHEET





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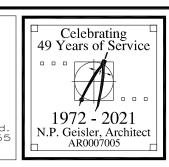
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NICHOLAS
PAUL
GEISLER

ARCHITECT
N.C.A.R.B. Certified

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Lake City, FL 32055
386-365-4355



BUSINESS FACILITY for MARK LANE BAYA AVENUE, LAKE CITY, FLORIDA LIFE SAFETY PLAN

it ect o

 $\vec{\Sigma}$ Ú Þ A. ELECTRICAL "AS-BUILT" DRAWINGS
ELECTRICAL CONT'R SHALL PREPARE "AS-BUILT" SHOP
DWGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY
CHANGES TO THE ELEC. PLAN, ADD'NS TO THE ELEC. PLAN,
RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS
IDENTIFIED W/ CKT Nr., DESCRIPTION & BRKR, SERVICE ENT.

& ALL UNDERGROUND WIRE LOCATIONS/ROUTING/DEPTH.
RISER DIA. SHALL INCLUDE WIRE SIZES/TYPE & EQUIPMENT
TYPE W/ RATINGS & LOADS.

CONTRACTOR SHALL PROVIDE I COPY OF AS-BUILT DWGS
TO OWNER & I COPY TO THE PERMIT ISSUING AUTHORITY. PLUMBING "A6-BUILT" DRAWINGS
PLUMBING CONTRACTOR SHALL PREPARE "A5-BUILT" SHOFDRAWINGS INDICATING ALL PLUMBING WORK, INCLUDING ALL PLUMBING WORK, INCLUDING ALL PLUMBING LINE LOCATIONS AND RISER DIAGRAM - CONTRISHALL PROVIDE I COPY OF AS-BUILT DWGS TO OWNER AND I COPY TO THE PERMIT ISSUING AUTHORITY. H.V.A.C. "AS-BUILT" DRAWINGS
H.V.A.C. CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP
DRAWINGS INDICATING ALL H.V.A.C. WORK, INCLUDING ALL
DUCTWORK LOC., SIZES, LINES, EQUIPMENT SCH. & BALANCING
REPORT - CONT'R SHALL PROVIDE I COPY OF AS-BLT. DWGS
TO OWNER & I COPY TO THE PERMIT ISSUING AUTHORITY. CEILINGS OVER ATTACHED GARAGES OR GARAGES W/ LIVING AREA ABOVE SHALL BE 5/8" FIRECODE "C" GWB ON IX3 WOOD FURRING AT 16" O.C., ATTACHED W/ 11/4" BUGLEHEAD SCREWS © 6" O.C. ALONG EACH POINT OF BEARING. INTERIOR STUD WALLS SEPARATING LIVING AREA FROM GAR-AGE AREAS SHALL BE CONSTRUCTED IN COMPLIANCE WITH "UL Design U333", INCLUDING R-11 BATT INSULATION. INTERIOR BEARING WALLS SHALL BE CONSTRUCTED IN COMPLIANCE WITH "UL Design U333", BATT INSULATION SHALL BE INCLUDED WHERE UNCONDITIONED AREA IS BEING SEPARATED FROM HEATED / COOLED AREA. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED. ALL WORK SHALL BE IN ACCORDANCE W/ APPLICABLE CODES AND LOCAL REGULATIONS, INCLUDING APPLICABLE ENERGY CODES. ALL COMPONENTS OF THE BUILDING SHALL MEET WITH THE MINIMUM ENERGY REQUIREMENTS OF THE BUILDING CODE. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IN WRITING PRIOR TO THE COMMENCEMENT OF THE WORK. THE OWNER SHALL FILE A "NOTICE OF COMMENCEMENT" PRIOR TO THE BEGINNING THE PROJECT AND THE CONTRACTOR(S) SHALL FILE "NOTICE TO OWNER" AND PROVIDE "RELEASE OF LIEN" FOR ALL PAYMENT REQUESTS PRIOR TO DISBURSEMENT OF ANY FUNDS. THE CONTRACTOR SHALL PAY FOR ALL PERMITS, LICENSES, TESTS AND THE LIKE THAT MAY BE REQUIRED BY THE VAR-IOUS AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT BE THEY CITY, COUNTY, STATE OR FEDERAL. AT THE OWNER'S OPTION, A WARRANTY INSPECTION SHALL BE PERFORMED DURING THE ELEVENTH MONTH FOLLOWING THE COMMENCEMENT OF THE WARRANTY PERIOD, FOR THE PURPOSE OF DETERMINING ANY WARRANTY WORK THAT MAY BE REQUIRED. THE CONTRACTOR SHALL BE PRESENT DURING THIS INSPECTION IF REQUESTED BY THE OWNER. THE CONTRACTOR AND/OR SUB-CONTRACTORS SHALL WARRANT ALL WORK FOR A PERIOD OF ONE YEAR FOLLOWING THE DATE OF FINAL COMPLETION AND ACCEPTANCE BY THE OWNER DEFECTS IN MATERIALS, EQUIPMENT, COMPONENTS AND WORK-MANSHIP SHALL BE CORRECTED AT NO FURTHER COST TO THE OWNER DURING THE ONE YEAR WARRANTY PERIOD. THE CONTRACTOR SHALL INDEMNIFY THE OWNER AGAINST ALL CLAIMS, WHETHER FROM PERSONAL INJURY OR PROPERTY DAMAGE, ARISING FROM EVENTS ASSOCIATED WITH THE WORK PERFORMED UNDER THE CONTRACT FOR THIS PROJECT. ANY AND ALL DISPUTES ARISING FROM EVENTS ASSOCIATED WITH THE CONSTRUCTION OF THIS PROJECT BETWEEN THE OWNER, CONTRACTOR(S) AND SUPPLIERS SHALL BE RESOLVED THROUGH BINDING ARBITRATION. . INSULATION SHALL BE LEFT EXPOSED AND ALL LABLES T INTACT ON THE WINDOWS AND DOORS UNTIL INSPECTED THE BUILDING OFFICIAL. GENERAL $\dot{\nu}$ $\overline{\varnothing}$ <u>ø</u> ũ $\overline{\varrho}$ Ö 'n TANED TO Ū $\overline{4}$ PRODUCTS SHALL INCLUDE THE FOLLOWING:

SOFTWOOD - SOLID STOCK PINE, C OR BETTER

HARDWOOD - SPECIES AS SELECTED BY OWNER

PLYWOOD, OPAQUE FINISH - FIR, GRADE A/B

PLYWOOD, TRANSPARENT FINISH - SPECIES AS SELECTED BY OWNER

PARTICLE BOARD - HIGH DENSITY, W/ RESIN BINDER

LAM. PLASTIC - MFG, COLORS, PATTERNS & TEXTURES AS SELECTED

BY OWNER

LAMINATING ADHESIVES - POLYVINYL ACETATE, UREA
FORMALDEHYDE, CASEIN AIR CONDITIONING CONDENSATE DRAIN PIPING SHALL BE THREADED STEEL PIPE, COPPER DRAIN, WASTE OR VENT PIPE AND FITTINGS, OR P.Y.C., SEE NOTE 12, BELOW. INSULATE ALL CONDENSATE PIPING EXCEPT WHERE UNDERGROUND, AND ELECTRIC HEAT WRAP WHERE EXPOSED TO FREEZING CONDITIONS. MILLWORK SUB-CONTRACTOR SHALL SUBMIT FOR APPROVAL BY THE OWNER, THE FOLLOWING ITEMS, PRIOR TO FABRICATING ANY MAT'LS OR MILLWORK: COMPLETE SET OF SHOP DRAWINGS, SAMPLES OF WD. SPECIES RECEIVING TRANSPARENT FINISH, MER'S LITERATURE FOR ALL SPECIALTY ITEMS NOT MED. BY THE ARCHITECTURAL WOODWORK FIRM AND HARDWARE SCHEDULE, SHOWING HARDWARE USED AT EA. LOCATION & CONFORMANCE W/ THE DESIGN INTENT OF THE DRAWINGS OR DIRECTIVES ISSUED BY THE OWNER. FIXTURES, HARDWARE, EQUIPMENT, COLORS AND FINISHES SELECTED BY THE OWNER. PROVIDE 1/2" TRAP PRIMER LINE FOR ALL FLOOR DRAINS FROM NEAR-EST PLUMBING FIXTURE, DO NOT MANIFOLD. DIELECTRIC COUPLINGS ARE REQUIRED BETWEEN ALL DISSIMILAR METALS IN PIPING AND EQUIPMENT CONNECTIONS. P.V.C. SCHEDULE 40 PIPE AND FITTINGS MAY BE USED FOR SOIL, WASTE, VENT, RAINWATER OR CONDENSATE PIPING AS APPROPRIATE, WHERE APPROVED BY LOCAL BUILDING CODES & OFFICIALS. P.V.C. MAY NOT BE USED TO PENETRATE CHASES OR FIRE RATED WALLS / CEILINGS. SOIL, WASTE, VENT & RAINWATER PIPING SHALL BE CAST IRON NO-HUB 301-72 ABOVE GRADE WITH NEOPRENE GASKETS AND STAINLESS STEEL BANDS & BELL & SPIGOT CAST IRON BELOW GRADE W/LEAD & OAKUM JOINTS OR AT THE OWNERS OPTION, P.Y.C., SCHEDULE 40, SEE NOTE 12. ALL WORK SHALL BE COORDINATED INTERFERENCE WITH THE PROGRESS PLUMBING FLAT PLANS AND RISER DIAGRAMS (IF INCLUDED) ARE DIAGRAMATIC. DO NOT SCALE THE DRAWINGS FOR EXACT LOCATIONS OF THE PLUMBING FIXTURES. ALL WORK SHALL BE PERFORMED BY A LITRACTOR IN A FIRST CLASS WORKMANLIKE SYSTEM SHALL BE FULLY OPERATIONAL. ALL WORKMANSHIP AND MATERIALS SHALL BE IN STRICT WITH APPLICABLE LOCAL CODES, RULES AND ORDINANC DAMAGED SURFACES SHALL BE REPAIRED ADJACENT PORTION OF THE WORK. SCOPE OF WORK INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING: FABRICATION AND DELIVERY OF MILLWORK, SHOWN IN THE DRAWINGS, TO THE JOB SITE, INSTALLATION OF CABINET HINGES, CATCHES, DRAWER & TRAY GUIDES, ADJUSTABLE SHELF STANDARDS & SURFACE BOLTS. PROVIDE COMBINATION COVERPLATE / CLEANOUT PLUG CLEANOUTS, FINISH AS DIRECTED BY THE OWNER. ISOLATE COPPER PIPING FROM HANGERS OR SUPPORTS INSULATOR PADS. FURNISH AND INSTALL APPROVED AIR CHAMBERS AT EACHINE AND APPROVED SHOCK ARRESTERS ON MAIN LI DO NOT USE LEAD BASED SOLDER FOR JOINING SUPPLY WATER PIPING SHALL BE TYPE L COPPER UP TO I", & TYFLARGER SIZES. ALL UNDERGROUND PIPING SHALL BE TYFAT THE OWNERS OPTION SUPPLY PIPING MAY BE C.P.Y.C., OR SCHEDULE 80. SUB-CONTRACTORS PROVIDING PLUMBING ATION SHALL BE SUBJECT TO THE PROVISI FABRICATE WORK
THE JOB SITE. AWI "CUSTOM" GRADE EXCEPT AS OTHERWISE NOTED OR DIRECTED BY THE OWNER, SHALL BE THE BASE STANDARD OF QUALITY REQ'D FOR THIS WORK. MILLWORK SUB-CONTRACTOR PROVIDING CASEWORK, MILLWORK OR THE LIKE FOR THIS PROVISIONS OF NOTES I THRU 6 OF THE GENERAL NOTES, THIS SHEET. ALL FIXTURES MUST BE PROVIDED WITH READILY ACCESSIBLE STOPS AND WHERE PROVIDED, MARKED ACCESS PANELS. ALL EXCAVATION & BACKFILL AS REQUIRED FOR THIS PHASE OF THE CONSTRUCTION SHALL BE PART OF THE PLUMBING SUB-CONTRACTOR'S RESPONSIBILITIES. ALL MATERIALS SHALL BE NEW. PROTECT MILLWORK FROM MOISTURE & DAMAGE THE JOB SITE, UNLOAD AND STORE IN A PLACE UPROTECTED FROM MOISTURE AND DAMAGE AND INSTALLATION. ASSEMBLE WORK AT MILL NGOFAR AS POSSIBLE. ALL APPLICABLE STANDARDS OF "AWI QUALITY STANDARDS & GUIDE SPECIFICATIONS" APPLY TO THIS PROJECT, UNLESS NOTED OTHERWISE PROVIDE ACCESS PANELS FOR ALL CONCEALED NSTALL HARDWARE PLUMBING NOTE \overline{Z} ACCORDANCE ♣ DELIVER OF THE CONSTRUCTION. WITH MEASURET \vec{Q} TO MATCH UNDAMAGED VALVE SITE HILE IN TRANSIT TO BE CONVENIENT FOR FHLY ♣ QUIETLY. ND NSTALL-PE X FOR ALL
PE X COPPER.
SCHEDULE 40 M/ HAIR FELT TENTS TAKEN AT OH PLUMBING READY TO SHALL BE AS -OT ALL WALL INSTALL ELECTRICAL COORDINATE ALL WORK THROUGH GC TO AVOID CONFLICTS. CO-ORDINATE WITH HVAC CONTRACTOR AND ELECTRONICS SYSTEMS CONTRACTORS SO THAT A COMPLETE, FUNCTIONING SYSTEM IS INSTALLED, IN EACH CASE, WITH NO EXTRA COST TO THE OWNER. DO NOT SCALE THE ELECTRICAL DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL EQUIPMENT. CONFIRM WITH OWNER. WHEN CONDUIT RUNS EXCEED 200 FEET, PULL BOXES SHALL BE INSTALLED SO THAT NO PULL EXCEEDS THIS DISTANCE. PANEL BOARDS SHALL BE CIRCUIT BREAKER TYPE, VERIFY NUMBER AND SIZES OF CIRCUITS. NSTALL ONLY HIGH POWER FACTOR BALLASTS AT FLUORESCENT FIXTURES. GROUNDING: GROUND ALL MAIN DISCONNECTS TO STANDARD GROUND ROD(S) AND TO COLD WATER SUPPLY AS PER ARTICLE 250 OF NEC-2014. INSTALL ALL ELECTRICAL WORK IN CONFORMANCE WITH THE NEC 1997 EDITION, AND IT'S AMENDMENTS AS ADOPTED BY THE PERMIT ISSUING AUTHORITY AT THE TIME OF CONSTRUCTION. ELECTRICAL EQUIPMENT AIC RATING AND FEEDER SIZE SHOWN ON THE PLANS ARE DESIGNED FOR MAX. AVAILABLE FAULT CURRENT AND MAX. ALLOWABLE VOLTAGE DROP, RESPECTIVELY. CHECK EQUIPMENT FOR PROPER VOLTAGE, PHASE AND AMPERAGE RATING PRIOR TO CONNECTION TO CIRCUITS. ELECTRICAL CONTRACTOR SHALL VERIFY ALL COMPONENTS FOR ALL ELECTRICAL APPLICATIONS & DETERMINE THE CORRECTNESS OF SAME. ANY DISCREPANCY SHALL BE REPORTED TO THE OWNER PRIOR TO FABRICATING ANY MATERIALS, ORDERING COMPONENTS OR DOING ANY WORK. FURNISH AND INSTALL DISCONNECT SWITCHES AND WIRING FOR HYAC SYSTEM AS PER MANUFACTURER'S RECOMMENDATIONS. CONTROLS ARE TO BE SUPPLIED BY THE HYAC CONTRACTOR, AND CONNECTED BY THE ELECTRICAL CONTRACTOR. REQUIREMENTS OF THE POWER COMPANY & TELEPHONE COMPANY. IT IS NOT THE INTENT OF THESE DRAWINGS TO SHOW EVERY MINOR DETAIL OF THE CONSTRUCTION. ALL PANEL SCHEDULES SHALL BE FULLY FILLED OUT AND SHALL BE TYPEWRITTEN. EA. CIRCUIT SHALL BE CLEARLY IDENTI-FIED TO WHAT IS INCLUDED ON SAID CIRCUIT. EMERGENCY LIGHTING AND EXIT SIGNS, IF INDICATED ON THE PLANS, SHALL BE WIRED PER NEC 100-12F. HOT CHECK ALL SYSTEMS WITH THE OWNER'S REPRESENTATIVE PRESENT TO VERIFY PROPER FUNCTION PRIOR TO C.O. FURNISH AND INSTALL ALL ELECTRICAL DEVICES AND ITEMS REQUIRED FOR A COMPLETE, OPERATING SYSTEM, PROVIDING THE FUNCTIONS AS DETAILED IN THE PLANS (AND SPECS). MOTOR STARTERS SHALL BE MANUAL OR MAGNETIC WITH OVER-LOAD RELAYS IN EACH HOT LEG. NSTALL NON-FUSED DISCONNECT SWITCHES AT ALL PIECES OF ELECTRICAL EQUIPMENT LOCATED WHERE SAID EQUIPMENT IS NOT VISIBLE FROM THE CIRCUIT BREAKER THAT PROTECTS IT: SIZE IN ACCORD WITH THE LOAD, ALL DISCONNECT SWITCHES SHALL BE H.P. RATED, HEAVY DUTY, QUICK-MAKE - QUICK-SPOSURE, BREAK TYPE - ENCLOSURES SHALL BE AS REQ'D FOR EXPOSURE. COLOR CODE MULTI-CIRCUIT WIRING AS FOLLOWS: NEUTRAL WHITE, GROUND - GREEN, LINE - ALL OTHER COLORS. PROVIDE CONTINUITY OF NEUTRAL ON MULTI-BRANCH CIRCUITS BY SPLICING AND BRINGING OUT A TAP, ASSURING NO OPEN-INGS OF NEUTRAL IN REPLACEMENT OF A DEVICE. INSTALL ONLY COPPER WIRING ON THIS PROJECT: THW, TW, THWN, THHN OR NM CABLE, UNLESS NOTED OTHERWISE. ALL CONDUCTORS *IØ & SMALLER MAY BE SOLID. ALL CONDUCTORS *B AND LARGER SHALL BE STRANDED TYPE. OUTLET BOXES SHALL BE PRESSED STEEL OR PLASTIC FOR ALL DRY LOCATIONS. FOR WET LOCATIONS, CAST ALLOY WITH THREADED HUB OUTLET BOXES SHALL BE INSTALLED. NSTALL ONLY THOSE ELECTRICAL DEVICES THAT BEAR A "UL" OR OTHER RECOGNIZED TESTING LAB LABEL. ALL MATERIALS SHALL BE NEW. ALL RACEWAYS BELOW GROUND SHALL BE A MINIMUM OD 3/4". ISOLATE DISSIMILAR CONDUIT AND TUBING METALS FROM SOIL, WATER AND GAS PIPING AND OTHER BUILDING MATERIALS WHERE DAMAGE BY FRICTION OR ELECTROLYSIS MAY OCCUR, EXCEPT WHERE ELECTRICAL GROUND IS PROVIDED. NSTALL GFI BREAKERS OF DEVICES AT ALL BATHROOM, REST-ROOM, KITCHEN, LAUNDRY, GARAGE AND EXTERIOR RECEP-TACLES AND AS NOTED ON THE DRAWINGS. ALL CIRCUIT BREAKERS, TWO AND THREE POLE, SHALL BE COMMON TRIP, NO TIE HANDLES OR TANDEMS SHALL BE ACCEPTABLE. HALL BE CURRENT LIMITED TYPE (C.L.) RATED 200,000 AIC IRCUITS ON PANEL SCHEDULE (AND PLANS) ARE TO DETERMINE DAD DATA AND SIZE. THE CONTRACTOR SHALL PROVIDE CIR-UITS AND ROUTING OF CONDUITS AND WIRING TO SUIT JOB ONDITIONS, AND BALANCE THE JOB, THROUGHOUT. BUSINESS FACILITY for 4 49 Years of Service 2人2045 MARK LANE

BAYA AVENUE, LAKE CITY, FLORIDA

GENERAL NOTES

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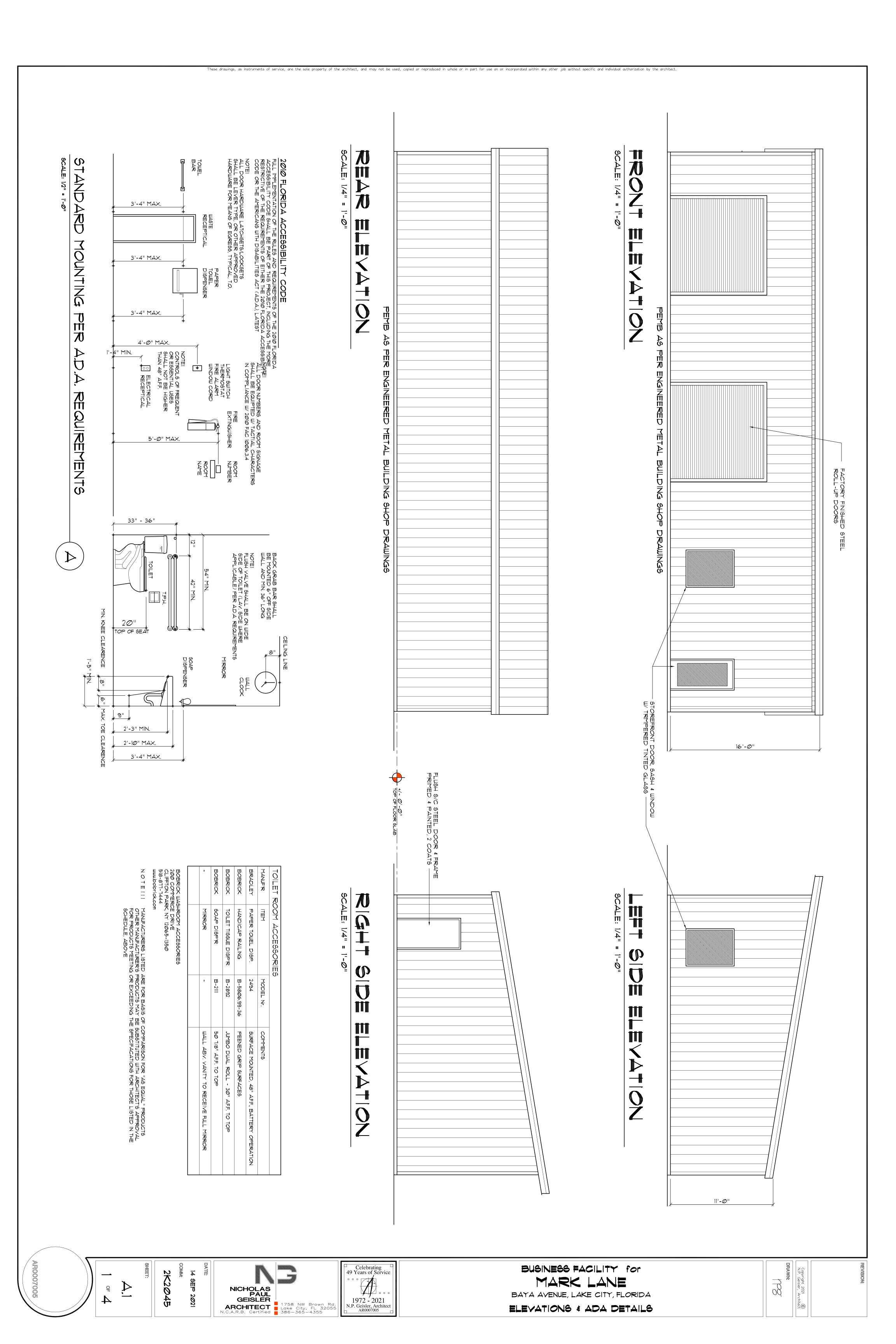
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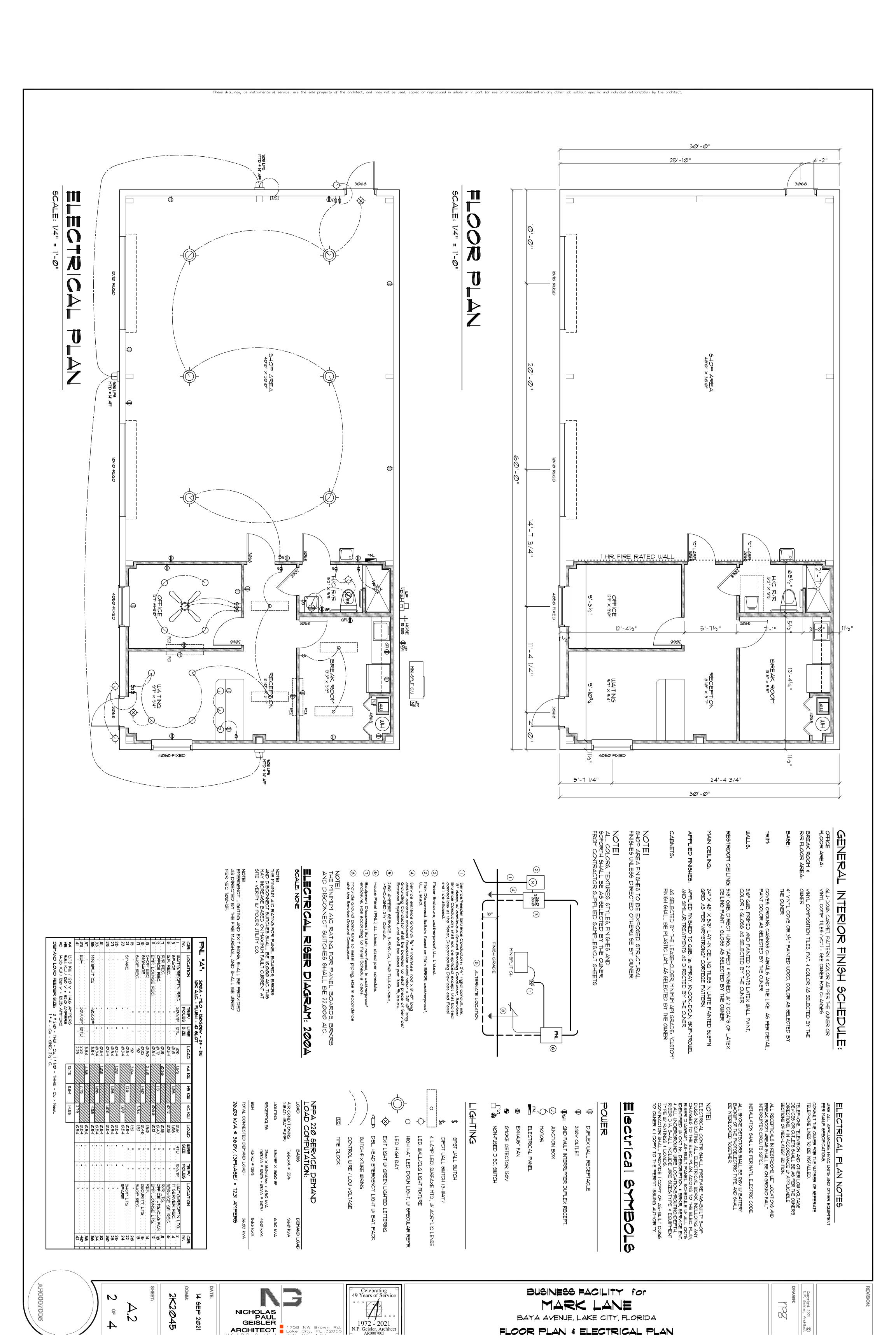
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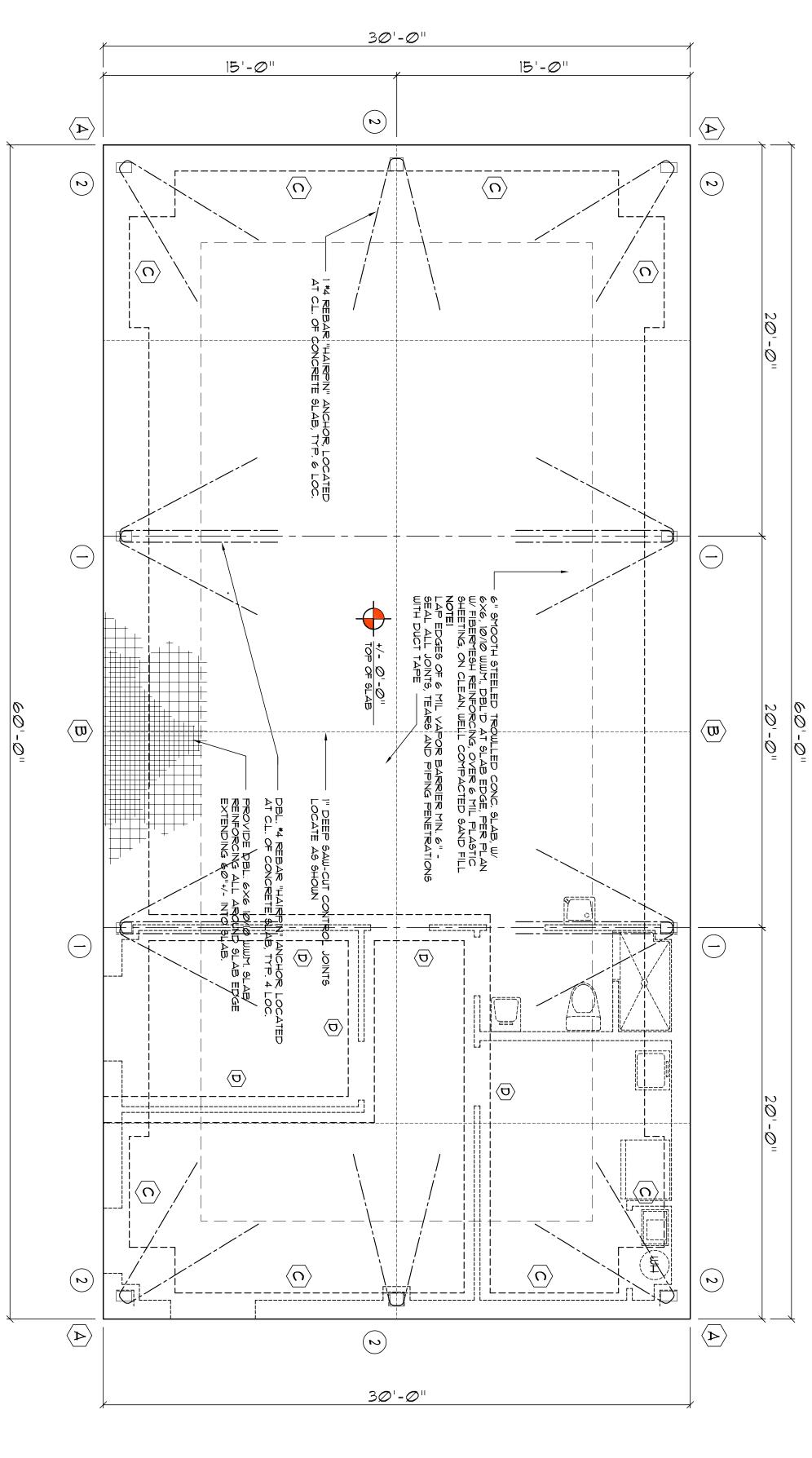
PAUL

ARCHITECT 1758 NW Brown Rd.
Lake City, FL 32055
N.C.A.R.B. Certified 386-365-4355

1972 - 2021 N.P. Geisler, Architect AR0007005







SCALE: 1/4" U

NOTE!
REFER 10 THE METAL BUILDING SHOP
DRAWINGS PREPARED BY UNION LASTEEL
CORPORATION, FOR EXACT LOCATION
OF ALL EMBEDDED ANCHOR BOLTS. NOTE!

ADDED FILL SHALL BE APPLIED IN 12" LIFTS

EA, LIFT SHALL BE CONPACTED TO 98% DRY

COMPACTION PER THE "MODIFIED PROCTOR"

METHOD.

NOTE!
THIS PROJECT IS TYPE 5 UNPROTECTED
CONSTRUCTION PER 2020 FBC TABLE 503
AND TABLE 600 NOTE!

ALL ANCHOR BOLTS ARE ASTM GRADE A36
STEEL ROD, THREADED 3 1/2", BLACK AND
FREE FROM RUST AND SCALE NOTE!
THE DESIGN WIND SPEED FOR THIS PROJECT IS 120 MPH PER 2020 FBC 1th ED. 1609, AND LOCAL JURISDICTION REQUIREMENTS

28" × 28" × CON NEBAR, TOP 4 B

ONT. FOOTING, W/ 4 #5 # BOTTOM, CONT. -5 OF FOOTING MIN. 15°

(1)

44" X 44" X 28"
NEBAN, TOP 4 I
BATTEN SIDES

8", FOOTING, W/ 5 #5
BOTTOM, EACH WAY .
6 OF FOOTING MIN. 15° -

FOOTING SC

HIDUIH

REBAR, TOP & BATTER SIDES ONT. FOOTING, W/ 2 #5 # BOTTOM, CONT. -8 OF FOOTING MIN. 15°.

16" \times 10" \times CONT. FOOTING, W/ 2 *5 REBAR, BOTTOM, CONT. - BATTER SIDES OF FOOTING MIN. 15°

DING LOADS "B" / -48.4 / -44.6 / -39.4 Yult 140 MPH / -56.2 -51.7 -45.7 SCALE: |" = **Nachor** NOTH! ALL DOOR/ENTRY OPENINGS INDICATED ARE NET SIZE, AND REQUIRE 2 *3 ANCHOR BOLTS AT EACH SIDE OF THE OPENING REFER TO METAL BUILDING SHOP DRAWINGS FOR DETAIL NOTE! ALL ANCHOR BOLTS ARE ASTM GRADE A36 STEEL ROD, THREADED 3", OR GRADE A30T BLACK, AND FREE FROM RUST AND SCALE

I. THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE 2020 FLORIDA BUILDING CODE - SECTION 1609 AND OTHER REFERENCED CODES AND SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL BE LATEST EDITION AT TIME OF PERMIT.

ZONE

AREA

Yult 120 MPH

BUILDING COMPONENTS &

30.0°,

DESIGN CRITERIA:

BASED ON ANSI/ASCE 7-16.

) VELOCITY: V_{ULT} VASD:

ROOF 1" TO 27"

12.5 / -34.7 11.4 / -31.9 10.0 / -28.2

|4.9 / -4|.3 |3.6 / -38.0 |1.9 / -33.6

ロックロ

12.5 / -51.3 11.4 /-47.9 10.0 / -43.5

6.8 6.9 7.1 7.1 7.1

/ -11.6 / -67.0 / -60.8

<u>~</u> <u>~</u> <u>~</u> ~

-70.5 -70.5 -70.5

12.0 / -19.9 11.4 / -19.4 10.0 / -18.6

14.9 / -23.7 13.6 / -23.0 11.9 / -22.2

6.81 6.97 6.91 7.01

WIND LOAD CRITERIA: RISK CATAGORY: 2, EXPOSURE "C"

ROOF DESIGN LOADS: JPERIMPOSED DEAD LOADS: JPERIMPOSED LIVE LOADS:

20 PSF 20 PSF

4. FLOOR DESIGN LOADS:
SUPERIMPOSED DEAD LOADS:
SUPERIMPOSED LIVE LOADS:
COMMERCIAL
BALCONIES/CORRIDORS

ARE AS INDICATED ON

100 PSF 80 PSF

21.8 / -23.6 20.8 / -22.6 19.5 / -21.3

/ -34.7 / -26.9 / -25.4

30.4 29.0 27.2 /

/ -33.0 / -31.6 / -29.8

-38.2 -36.7 -34.6

-34.7 -32.4 -29.3

25 PSF

ANCHOR BOLT / FOUNDATION SIZING:

THE ANCHOR BOLT DIAMETERS AND DEVELOPED LENGTHS INDICATED IN THIS DRAWING WERE DETERMINIED USING SHEAR FRICTION THEORY AS DESCRIBED IN AISC DESIGN GUIDE NO.T, SECTION 9.2, ASSUMING AN ANCHOR BOLT MATERIAL OF ASTM A30/1 OR A36. THE COMBINED FORCES ACTING AT THE BASE OF THE STEEL FRAME RESULTING IN A VERTICAL REACTION ACTING UPON THE FOUNDATION WERE DEVELOPED AS FOLLOWS:

P = TOTAL UPLIFT TO BE RESISTED BY ANCHOR BOLT GROUP
Y = TOTAL SHEAR FORCE TO BE RESISTED BY ANCHOR BOLT GROUP
n = NUMBER OF ANCHOR BOLTS
u = COEFFICIENT OF FRICTION (TAKEN AS Ø.1 FOR UNGROUTED BASE
PLATES OR Ø.9 FOR GROUTED BASE PLATES)

THE CHAIN OF THE C

EXPOSURE

LOSUSE EXPOSUSE

"D" "SOUNDE

12 0 0 0 4.1 0 0 4.1

4 7 6 6

HEIGHT & EXPOSURE ADJUSTMENT COEFOR BUILDING COMPONENTS & CLADDI

EFFICIENTS

4" * X 1/2" STL. PLATE W. NUT WELDED TO ANC. BOLT 16" 3/4"\$ (v)

<u>~</u> <u>O</u>

FORCE PER BOLT DUE TO DIRECTLY APPLIED LOAD = P/N PER BOLT DUE TO SHEAR FRICTION = $V / (n \times u)$

7. THE CONTRACTOR SHALL PAY FOR ALL DAMAGES STRUCTURES, SIDEWALKS AND TO STREETS OR OTHER PUBLIC UTILITIES.

TO ADJACENT
PUBLIC PROPERTY OR

STRUCTURAL NOTES

GENERAL:

. THE DRAWINGS ARE INTENDED TO SHOW THE GENERAL DESIGN AND EXTENT OF THE WORK AND ARE PARTIALLY INTELLY ARE NOT INTENDED TO BE SCALED FOR ROUGH-IN MOSERVE AS SHOP DRAWINGS OR PORTIONS THEREOF. IERAL ARRANGEMENT, LLY DIAGRAMMATIC. -IN MEASUREMENTS, OR

2. ALL DETAILS AND SECTIONS SHOWN ON THE DRAWIN TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE OR SECTION IS SHOWN. WINGS ARE INTENDED ' TO ANY SIMILAR ERE A DIFFERENT DETAIL

3. PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR SUBCONTRACTORS SHALL VERIFY ALL GRADES, LINES, LEVAND COORDINATE EXISTING CONDITIONS AT THE JOB SITE AND SPECIFICATIONS. THEY SHALL REPORT ANY INCONSIS IN THE ABOVE TO THE ARCHITECT/ENGINEER BEFORE COMPAND THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL LAY FROM ESTABLISHED REFERENCE POINTS AND BE RESPONSIBLEVATIONS AND MEASUREMENTS IN CONNECTION WITH THE ACTOR AND ALL THE
, LEVELS, DIMENSIONS
SITE WITH THE PLANS
NSISTENCIES OR ERRORS
COMMENCING WORK.
LAY OUT THEIR WORK
YONSIBLE FOR ALL LINES,
1 THEIR WORK.

5. THE CONTRACTOR SHALL USE THE STRUCTURAL DRAI SPECIFICATIONS TOGETHER WITH THE ARCHITECTURAL, MEDELECTRICAL AND OTHER TRADE DRAWINGS AND SHOP DRAIDEDRESSED SLABS, SLOPES, DRAINS, OUTLETS, RECESSES SETTING, SLEEVES, DIMENSIONS, ETC. NOTIFY ARCHITECT WRITING, OF ANY POTENTIAL CONFLICTS BEFORE PROCEED WORK. I. IF ANY ERRORS OR OMISSIONS APPEAR IN THE DRAWINGS, GENERAL NOTES OR OTHER DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING OF SUCH OMISSION OR ERROR PRIOR TO PROCEEDING WITH ANY WORK WHICH APPEARS IN QUESTION. IN THE EVENT OF THE CONTRACTOR'S FAILING TO GIVE SUCH AN ADVANCED NOTICE, HE SHALL BE WELD RESPONSIBLE FOR THE RESULTS OF ANY SUCH ERRORS OR OMISSIONS AND THE COST OF RECTIFYING THE SAME. DRAWINGS AND
, MECHANICAL,
DRAWINGS, TO LOCATE
ESSES, OPENINGS, BOLT
TECT/ENGINEER, IN
CEEDING WITH THE

AND DELEGATED ENGINEERING

DRAWINGS

I. ALL SHOP DRAWINGS SHALL BE SUBMITTED FOR ARCH ONLY AFTER THEY HAVE BEEN THOROUGHLY REVIEWED BY FOR CONSTRUCTION METHODS, DIMENSIONS AND OTHER TR REQUIREMENTS, AND STAMPED WITH THE CONTRACTOR'S A THE ARCHITECT ASSUMES NO RESPONSIBILITY FOR DIMENS ENGINEERING DESIGN BY DELEGATED ENGINEERS, ERRORS OR RESULT OF REVIEWING ANY SHOP DRAWINGS. ANY ERRORS MUST BE MADE GOOD BY THE CONTRACTOR, IRRESPECTIVING OR REVIEW OF DRAWINGS BY THE ENGINEER AND WORK IS DONE IN ACCORDANCE WITH SUCH DRAWINGS. ARCHITECT'S REVIEW
D BY THE CONTRACTOR
IR TRADE
R'S APPROVAL STAMP.
MENSIONS, QUANTITIES,
IORS OR OMISSIONS AS A
RRORS OR OMISSIONS
ICTIVE OF RECEIPT,
AND EVEN THOUGH

2. BEFORE STRUCTURAL INSPECTIONS CAN BE MADE ON A PORTION OF THE STRUCTURE, ALL RELATED SHOP DRAWINGS, DELEGATED ENGINEERING, PRODUCT APPROVAL, MANUFACTURER'S DATA AND OTHER RELATED INFORMATION, MUST BE REVIEWED AND ACCEPTED BY THE ARCHITECT-OF-RECORD AND APPROVED BY THE BUILDING DEPARTMENT.

3. SHOP DRAWINGS SHALL CONTAIN ALL INFORMATION SHOWN ON THE STRUCTURAL PLANS (RELATED TO THE DELEGATED DESIGN) INCLUDING ALL DESIGN LOADS, IN ADDITION TO THE INFORMATION REQUIRED BY THE DELEGATED ENGINEER'S DESIGN.

5. CONTRACTOR SHALL SUBMIT TO THE ARCHITECT TWO SETS OF BLUE PRINTS OF THE STRUCTURAL SHOP DRAWINGS FOR ARCHITECT REVIEW, BEFORE STARTING FABRICATION. THE ARCHITECT WILL RETURN ONE MARKED UP AND STAMPED COPY TO THE CONTRACTOR. THE MARKED-UP COPY SHALL BE USED TO MAKE THE PRINTS REQUIRED FOR SHOP DRAWING DISTRIBUTION. 4. ARCHITECT WILL REVIEW ALL SUBMITTED SHOP DR SIGNED AND SEALED BY THE CONTRACTOR'S DELEGATE FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT, R AND COORDINATION WITH THE STRUCTURAL DESIGN. RAWINGS, PREPARED, ED ENGINEER, ONLY REQUIRED LOADING

AND

AND METHODS

I. THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCE OR PROCEDURES, SAFETY PRECAUTIONS, SHORES, RESHORES, LATERAL BRACING AND PROGRAMS IN CONNECTION WITH THE PROJECT, ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. OUR SERVICES DO NOT GUARANTEE NOR ASSURE LIABILITY FOR THE JOB SAFETY, TEMPORARY SHORING AND BRACING AND THE PERFORMANCE OF THE CONTRACTOR.

3. PROVIDE ALL SHORING, BRACING AND SHEETING AS REQUIRED FOR SAFETY, STRUCTURAL STABILITY AND FOR THE PROPER EXECUTION OF WORK. REMOVE WHEN WORK IS COMPLETED. 2. THE CONTRACTOR IS RESPONSIBLE AND SHALL CONSAFETY REQUIREMENTS OF THE 2010 FLORIDA BUILDING LOCAL, STATE AND FEDERAL LAWS. 1PLY WITH THE CODE AND APPLICABLE

RENCHES OR PITS ADJACENT TO PUBLIC WALKS OR ROADS.

6. AT THE END OF THE DAYS WORK, COVER ALL WORK LIKELY TO BE DAMAGED. ANY WORK DAMAGED BY FAILURE TO PROVIDE PROTECTION SHALL BE REMOVED AND REPLACED WITH NEW WORK AT THE CONTRACTOR'S EXPENSE. 5. AT ALL TIMES, PROVIDE PROTECTION AGAINST WEATHER (RAIN, WIND, STORMS OR THE SUN), SO AS TO MAINTAIN ALL WORK, MATERIALS, APPARATUS AND FIXTURES FREE FROM INJURY OR DAMAGE.

> FOUNDATIONS: (SPREAD FOOTINGS)

I. FOUNDATIONS ARE DESIGNED TO BEAR ON WELL COMPACTED GRADE OR CLEAN FILL OF AN ALLOWABLE BEARING CAPACITY OF 1,000 PSF MINMUM. FOR REQUIRED SOIL BEARING CAPASITIES GREATER THAN 1,000 PSF, A CERTIFIED TESTING LABORATORY SHALL BE ENGAGED BY THE OWNER TO VERIFY THAT THE REQUIRED BEARING CAPACITY WAS OBTAINED. SAID SOIL CAPACITY SHALL BE CERTIFIED AND TESTED BY A FLORIDA REGISTERED FOUNDATION ENGINEER, PRIOR TO CASTING OF CONCRETE IN THE FOOTINGS.

2. NATURAL GRADE (OR FILL) BELOW FOOTINGS SHALL BE COMPACTED TO 98 % MODIFIED PROCTOR (ASTM D-1557).

3. TOP OF WALL FOOTINGS TO BE AT THE SAME ELEVATION AS TOP OF COLUMN PAD FOOTINGS. STEP WALL FOOTING FROM HIGHER COLUMN FOOTING TO THE LOWER ONE (AS DETAILED ON THE PLANS).

4. BOTTOM OF ALL FOOTINGS TO BE A MINIMUM 1'-6" BELOW THE TOP OF CONCRETE SLAB ON GRADE (UNLESS OTHERWISE NOTED) OR MINIMUM 1'-0" BELOW FINISHED GRADE, WHICHEVER IS LOWER. IN THE EVENT THAT THE SLAB STEPS ON EACH SIDE OF THE FOOTING, THE FOOTING SHALL BE 1'-6" BELOW TOP OF THE LOWER SLAB.

6. ALL LONGITUDINAL REBARS IN THE CONTINUOUS WALL FOOTINGS,
SHALL BE CONTINUED AT BENTS AND CORNERS BY BENDING THE REBARS 48
BAR DIAMETERS AROUND THE CORNERS OR ADDING MATCHING CORNER BARS,
EXTENDING 48 BAR-DIAMETERS INTO FOOTING EACH SIDE OF CORNER OR BENT. 5. REINFORCING IN THE CONTINUOUS WALL FOOTINGS (MONOLITHIC AND NON-MONOLITHIC) SHALL BE SPLICED 40 BAR DIAMETERS MINIMUM AND SHALL EXTEND CONTINUOUSLY THRU ALL FOOTING PADS.

8. WHEN GEO-TECHNICAL REPORTS ARE PROVIDED, ALL RECOMENDATIONS OF THE SOILS ENGINEER SHALL BE FOLLOWED AND THE DESIGN SOIL BEARING PRESSURE SHALL BE AS RECOMMENDED IN SUCH REPORTS, AND SUPERCEEDS PRESSURES INDICATED HEREIN. ALL FOOTINGS SHALL BE 12" MINIMUM THICKNESS.

CONCRETE AND REINFORCING

I. CONCRETE DESIGN AND REINFORCEMENT IN ACCORDANCE WITH "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (A.C.I. LATEST EDITION) AND WITH "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT" - (A.C.I. 315 - LATEST EDITION). 318

2. ALL CONCRETE WORK IN ACCORDANCE WITH "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDING" (A.C.I. 301 - LATEST EDITION). PRODUCTION OF CONCRETE, DELIVERY, PLACING AND CURING TO BE IN ACCORDANCE WITH "HOT WEATHER CONCRETING" (A.C.I. 305R - LATEST 3. ALL CONCRETE TO BE REGULAR WEIGHT WITH A DESIGN STRENGTH OF 3,000 P.S.I. AT 28 DAYS. MAXIMUM SLUMP 5".

4. ALL REINFORCING TO BE NEW BILLET STEEL CONFORMING TO THE LATEST A.S.T.M. A-615 GRADE 60, FABRICATED IN ACCORDANCE WITH C.R.S.I. MANUAL OF STANDARD PRACTICE AND PLACED IN ACCORDANCE WITH A.C.I. 315 AND C.R.S.I. MANUAL OF STANDARD PRACTICE. CONCRETE COVER UNLESS OTHERWISE DETAILED ON DRAWINGS

FOOTINGS: SLABS ON GRADE: (BOTTOM).... (TOP \$ SIDES). CENTERED W/SLAB مي س

6. BEAM REINFORCEMENT: LAPPED 36 BAR DIAMETER OR MINIMUM 18 INCHES. BOTTOM BARS SPLICED ONLY AT SUPPORTS, TOP BARS SPLICED ONLY AT MID-SPAN. ALL TOP BARS HOOKED AT NONCONTINUOUS EDGES (U.O.N.). ALL HOOKS TO BE STANDARD 90 DEGREE HOOKS AS REQUIRED (U.O.N.).

7. ADDED REINFORCEMENT: PROVIDE ADDITIONAL CORNER BARS BENT 36 INCHES MINIMUM EACH WAY AT "L" AND "T" CORNERS IN OUTER OF ALL BEAMS TO MATCH ALL HORIZONTAL BAR (TOP, BOTTOM AND INTERMEDIATE REBARS).

SEE PLAN FOR MINIMUM SIZE CONCRETE TIE BEAM REQUIREMENTS

NICHOLAS
PAUL
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BUSINESS FACILITY for MARK LANE BAYA AVENUE, LAKE CITY, FLORIDA PEMB FOUNDATION PLAN

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