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							BA B	SIC Properties of the control of the	
							L PROPPING — Extreme care and panage, bulge or tip walls, due to equive heropping or other suitable metholding is on the walls and the walls and reached their design poured and reached their design kfill is required on both sides of wall reached on both sides of wall reached on both sides of wall and the ced. L FILL COMPACTION — Is to be considered on one side of wall and the material is suitable to achieve 95% ermine that the fill is compacted to the galvanized and shall have mind the galvanized and shall have mind the galvanized and shall have mind the professional engineer registered in a professional engineer registered in a professional engineer registered in this project. Verify all floctrical plans; detail and size to suit hitectural plans. The contractor shall be brought to the at	STRUCTURAL BS ON GRADE — Except where other all exterior slabs on grade air entrained air of 6% ± 1% or equivalencernate) with approximately 600 s.f. as shall be laid on a layer of 10 need. See soil consultant's recommended. See soil consultant's recommended on a 3 1/2 x 8" lintel for each 4" of of one 6"x8" lintel for each 6" of one 6"x8" lintel unit with one #4 o.c. Concrete lintel units shall havenings up to 8'-0". For all opening the 4" of wall thickness as follows: L 3 1/2 x 3 1/2 x 5/16" for ope vide W8x18 with suspended 1/4" pleel angle lintels and 8'-0" for precall or as shown on plan.	
							uipment and/or earth pressure must uipment and/or earth pressure or ads of protection shall be employed are braced. It walls until slabs on grade and firstrength and approval received frou alls, backfill both sides simultaneous framed floor is not in place, shore compaction. Provide field testing 595%. See soil consultant's record construction shall conform to Alshimum yield strength of 33 ksi in a shop drawings and calculations shop a shop drawings and calculations show and roof openings with Architect equipment furnished. Verify all deall verify all dimensions prior to statention of the Architect.	NOTES — CONTINUED Prwise noted, shall be 4" or 6" thick rained cement with t, air entraining agent shall be used in the stands on grade. Pour all interior per bay and control joints at 30'-mil. Polyethylene over a 6" layer of indations for preparation of sub grawise, precast lightweight concrete lies: Wall thickness wall thickness bar top and one #4 bar bottom, we 8" minimum bearing at ends and se 8" minimum bearing at ends and sign and recesses in brick walls, promings up to 4'-0" ate same width as wall for opening at same width as wall for opening set lintels unless noted. Provide 6"	
							wind. Shoring, until the full load of the amed floor slabs have n the Engineer. Where sly. Where backfill is the wall before backfill is to placing to determine if during backfill to nmendations. I specifications. All steel ccordance with ASTM rawings and calculation to all be signed and sealed bolts and other fasteners ural, Mechanical and spressions and slopes from arting construction and any	d. Provide control joints slabs on grade in panels 0" o.c. max. Interior washed gravel, unless de. with #2 tie bars spaced at may be used for inde one steel angle for minimum bearing at each	
	(such as garages, crawl spaces be 12" deep and project 6" be footings have been established any of the minimum requireme be reinforced with 3#5 longitude earth under footings shall be radequately drained before found slope of 2:1 (2 horizontal to a comparison of the sential retain the sential the comparison of the sential retain the s	Roof sheathing	plus all eccentricities. Design shall be submitted for approval load of 45 psf and mechanical anchored with 3/16" x 2" stee Wood plates receiving trussed anchored with 3/16" x 2" stee Wood plates receiving trussed a bolts, 18" long and at 4'-0" oby the Engineer. Provide cross be in accordance with Truss Plus be signed and sealed by a process of members and current WCLA glued laminated surfaces of members shall be wrapped. The fabricator shall embedded in masonry or concurrent and calculations signed and se jurisdiction for approval. Glue laminated members. Glue laminated members and the changes, deflection, and forces members. Glue laminated members and the changes of members and the changes of members and the changes of members. Glue laminated members are designed for deflection index of the plant of the changes of the laminated members are designed for deflection and forces members. Glue laminated members are designed for deflection index of the changes of the laminated members are designed for deflection and forces members. Glue laminated members are designed for deflection index of the changes of the laminated members. All plywexterior glue manufactured in the changes of the the changes	(NLGA grading rule, E = 1,400 Pine (SPIB grading rule, E = stud grade SPF (NLGA grading Provide cross-bridging for joist masonry with fire—cut (beveled Joists or trusses running parall anchors at 4'—0" o.c. and extended joists on masonry wall to be to wood joists and beams shall not approved hurricane connections partitions and posts. Lumber against decay. Framing lumber solution on all edges that are Provide manufacturer's standard which require joists or beams capacity of the hanger shall be capacity of the capacity of the hanger shall be capacity of the capacity of	MASONRY — Concrete masonry maybe 75% solid, unless others concrete, f'm = 1500 psi minito ASTM C-270 for above grad of 3 courses of solid brick or full width of the wall, unless no beams and lintels bearing on roted. Provide horizontal mass Provide vertical control joints in masonry walls (horizontal & reinforced with #5 @ 24" on control match unless noted otherwise splice location typical, unless no joints 100% with mortar. Prosteel stud wall. Space ties provide inspected construction. Owner REINFORCED MASONRY — Fill walls so that all cells line up reinforced. Break all mortar promortar. Build wall with maximu	angles and channels) shall conconform to ASTM-A992 grade to ASTM A500 grade B. Steel A501. All welding shall conform unless otherwise required. Established and connections. All full specifications for painting. No authorization of the structural calculations for connections, sinbuilding's jurisdiction. All steel (G90). HANDRAILS, GUARDRAILS AND ST designed and detailed by supple 2000. Submit shop drawings.	Horizontal earth pressure on bas Horizontal earth pressure on can CONCRETE — All concrete construstrength shall be f'c = 3000 psi Stone Concrete All concrete exposed to the weat REINFORCEMENT STEEL — All reinmesh to conform to ASTM—A185. accordance with the ACI Manual ACI 315 latest addition. All continstaggered, unless noted otherwise and locations of cold joints for CONCRETE PROTECTION FOR REINIAS follows: Footings and other concrete promined concrete exposed to bars Interior faces of walls — 1" Slabs on ground, unless other and Erection of Structural Steel with 3/4" diameter minimum his bolts shall conform to ASTM F15 concrete wall shall have standard	mum)	BUILDING CODE - IBC 2000.
	s) shall be at least 2'6" below finishyond each face of wall, unless not from available information and shants stated above. All masonry wall inal continuous top and bottom bareplaced with concrete. f'c = 2000 dation concrete is placed. No excense vertical) to a footing. Do not ices of a soil consultant approved pressure of each footing.		shall conform to Truss Plate Institutionshowing the design of the truss requipment. Truss rafters running anchors at 4'-0" o.c. and afters on masonry wall to be bolted.c. Trussed rafters shall not be compared and are institute recommendations. Shop fessional engineer registered in the MEMBERS — Materials, manufacture, Commercial Standard "Structural Gluted standards. Adhesive shall meeting of members shall be "Architect to ends of all members as soon a sealed with penetrating sealer and furnish connecting and supporting there or welded to structural steel. aled by a professional engineer registers which provide lateral supporting their connections' design shall considure to components (permanent or members which provide lateral supporting their connections as soon a sealed by a professional engineer register or welded to structural steel. The connections are supported by a professional engineer register. Members which provide lateral supporting their connections are supported by the standard of the cordance with Product Standard Figure 1.	ksi) or approved equal, Solid posts 1,600 ksi) or approved equal. Non rules, E = 1,200 ksi) or approved s at 8'-0" intervals. Joists shall I end and every second joist to hat el to masonry wall to be anchored anded to engage 3 joists. Wood ploolted to wall with 5/8" diameter bot be cut or drilled unless so auth between framing members. Use in contact with masonry or concret shall have 19% maximum moisture cut in members that are in contact dijoist or standard beam hangers of for the reaction shown on plans. I for the maximum shear capacity sed rafters shall be fabricated with	units shall conform to ASTM C-90 vise noted. Concrete masonry units mum. See specs for brick. All mode construction. Use Type 'M' for one course 100% solid block under oted. Provide 100% solid masonry nasonry, unless noted. Provide so openings the full wall thickness do openings the full wall thickness do onry reinforcing at 16" o.c. in all n in all masonry walls @ 30'-0" o.c. vertical) shall be filled 100% with pease on drawings. Splice vertical rein oted. For all composite masonry vide masonry ties between 4" brick 16" vertical and at 24" horizontal. shall have inspection of the construction into block cells with the rem 4'-0" lift for the placement of 100 provide clean—out holes above for the form 4'-0" lift for the placement of 100 provide clean and joists shall be 100 provide	form to ASTM A36. Steel beams a 50, or ASTM A572 grade 50. Struct pipe columns (P), shall conform to m to AWS Specifications. All welds slish special procedures for welds lower to the services of a qualified penetration welds shall be tested the field cutting of steel members shall engineer. Submit for approval all signed and sealed by a professional permanently exposed to weather of the testing of steel members shall be based on the calculations signed and sealed on the calculations signed and sealed on the calculations signed and sealed the columns of the calculations signed and sealed the calculations signed and sealed the calculations signed and sealed the calculations are calculated to the calculations signed and sealed the calculations are calculated to the calculated to the calculations are calculated to the	intilever retaining walls = 45 psf (At rest contilever retaining walls = 45 psf (At rest contilever retaining walls = 45 psf (At rest contilever) retained shall conform to the ACI Contilever coarse aggregate shall conform to the conform to the shall be air entrained with 63 inforcing steel shall conform to ASI 5. Fabricate and provide standard standard standard provide standard	30 psf 30 psf 30 psf r (Ce) 0.7 1.1 100 psf 100	STRUCTURAL NOTES
	shed grade. Wall footings shall red. Elevations of bottoms of lill not be construed as waiving I footings in controlled fill are to rs, unless noted. All disturbed psi All bearing strata shall be avation shall be closer than at a place concrete over frozen soil. by the Architect to check and	= 2,000,000 psi. si, E = 2,000,000 psi. rt at bearing point. LVL and PSL nd after installation. curbed natural soil or the that specified above. See soil s and footings in unheated spaces	the Specifications. Shop drawings afters capable to sustain total parallel to masonry wall to be extended to engage 2 rafters. It to wall with 5/8" diameter ut or drilled unless so authorized bracing during construction shall provided the diameter of the All provided Laminated Timber" of the All wilding's jurisdiction. In and quality control shall be in used Laminated Timber of the All the requirements for wet the requirements for wet the practicable after end trimming. The members shall be individually nardware exclusive of anchorage submit complete shop drawings istered in the building's der lateral forces, temperature temporary) attached to the for masonry walls shall be ded in masonry or concrete shall unless otherwise shown, with \$2183, latest edition.	- Bearing wall partition shall be equal. have minimum 4" bearing on we 'T' shaped steel anchors. with 3/16"x2" steel strap lates receiving roof trusses or olts, 18" long and at 4'-0" o.c. lorized by the architect. Provide balloon construction for stude shall be pressure treated content. Brush preservative it with concrete or masonry. At all wood to wood connections at all wood to wood connections be supporting member. The lif no reaction is shown, the of transmitting the stresses.	Grade 1. Solid masonry units shall be made with light weight rtar shall be Type 'S' conforming below grade. Provide a minimum r wall bearings ends of slabs the down to footings under all olid brick or 100% solid concrete want to the foundation, unless noted. All mortar joints masonry walls unless noted. ", unless noted. All mortar joints mortar. All CMU walls to be gravel concrete and with dowels aforcing with 48 bar diameter at walls, without cavity, fill collar veneer wall and masonry wall or Design of masonry is based on uction of the masonry. Oo psi pea gravel concrete. Build ootings in block cells to be inforcing and concrete fill. minimum No1 / No2 Grade SPF	and columns (W sections) shall ctural tubing (HSS), shall conform ASTM A53 grade B or ASTM to be 3/16" fillet min. 3" long arger than 3/8" to prevent inspector to inspect erected by ultrasonic method. See all be permitted without prior steel shop drawings and engineer registered in the r soil shall be hot dip galvanized and steel stairs shall be loading requirements as per IBC by a professional engineer	sement walls = 60 psf (At rest condition) ntilever retaining walls = 45 psf (Active condition) ruction shall conform to the ACI Code 318—99. 28—day concrete e: Coarse aggregate shall conform to ASTM C33. Ither shall be air entrained with 6% +/- 1%. Ither shall be air entrained with 6% +/- 1%. Ither shall be air entrained with 6% +/- 1%. Ither shall be air entrained with 6% +/- 1%. Ither shall be air entrained with 6% +/- 1%. Ither shall be air entrained with 6% +/- 1%. Ither shall be air entrained with 6% +/- 1%. Ither shall be air entrained with 6% +/- 1%. Ither shall be air entrained with 6% +/- 1%. Ither shall be air entrained with 6% +/- 1%. Ither shall be air entrained with 5% +/- 1%. Ither shall be air entrained with 6% +/- 1%. Ither shall be air entrained with 6% +/- 1%. Ither shall be air entrained with 6% +/- 1%. Ither shall be air entrained with 6% +/- 1%. Ither shall be air entrained with 6% +/- 1%. Ither shall be air entrained with 6% +/- 1%. Ither shall be air entrained with 6% +/- 1%. Ither shall be welded wire shall be welded or made of angle wall anchors, unless noted. All miscellaneous steel (plates, 10 psi 4 ps	tor, I = 1.15 31 0.1291 Category	
	Drawing No.	Date: NOV. 21, 200 Scale: - Drawn: Checked: File No.	Philip Aaron Lacy, Architects 6188 Oxon Hill Road, Suite 303 Oxon Hill, Maryland 20745 Phone: 301-567-8223		ALOM A.M.E. ZION CHURCH 2501 RITCHIE ROAD CT HEIGHTS, MARYLAND 20735	Certification:	Consultants: Tadjer Cohen Edelson Assoc. CONSULTING STRUCTURAL ENGINEERS Suite #510 Silver Spring (301) 587-1820 Silver Spring MD 20910	Revisions:	Date:

STRUCTURAL NOTES

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