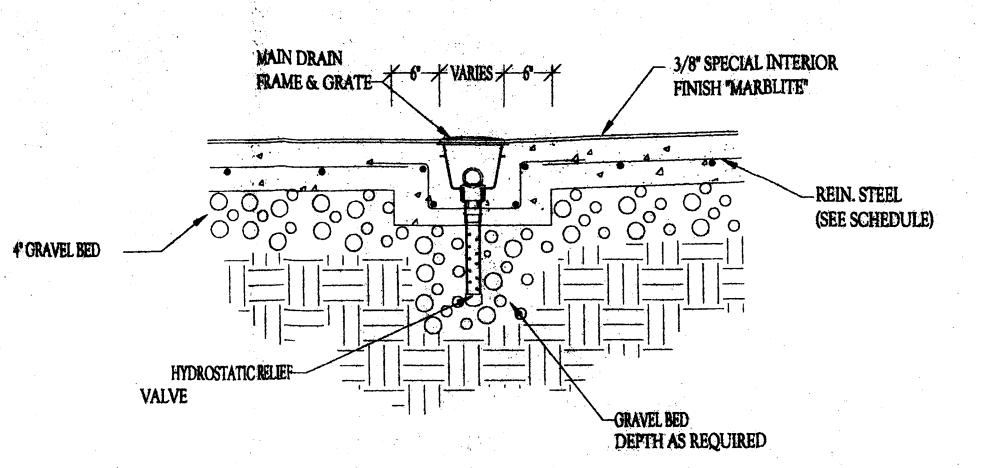


	REINI	FORCI	NG ST	TEE	L SC	HEI	DULE	
		REOTI AREA	REQ'D AREA		WA	VLLS		FLOOR
DEPTH "D"	CONCRETE THICKNESS		HOR STEEL SO FT.		TICAL S "A"	HORI	ZONTAL IS "B"	FLOOR SLAB
	1	5k2. F1.	SQ.FI.	SIZE	SPACING	SIZE	SPACING	BARS
UP TO 4'0"	51/2"	.108	.090	#3	12"	#3	12"	#3 @ 12" O.C B.W
4'0" TO 5'0"	6"	.123	.110	#3	12*	#3	12*	#3 @ 12" O.C B.W
5'-0" TO 6'-0"	6"	.153	.146	#3	10"	#3	101/2"	#3 @ 12" O.C B.V
60" TO 70"	6"	.180	.166	#3	81/2"	#3	10"	#3 @ 12" O.C B.V
7'-0" TO 8'-0"	6"	.210	.180	#4	12"	#3	814"	#3 @ 12" O.C B.V
8'0" TO 9'0"	6½"	.223	.195	#4	10"	#3	8*	#3 @ 12" O.C B.V
9'0" TO 10'0"	7"	.348	.210	#4	81/1"	#4	12"	#3 @ 12" O.C B.V
10'0" TO 11'0"	71/2"	.370	.225	#4	8"	#4	10%"	#3 @ 12" O.C B.V
11'0" TO 12'0"	8*	.427	240	#4	6"	#4	10"	#3 @ 12" O.C B.V

* NOTE: LAP ALL BARS 40 BAR DIA. MINIMUM



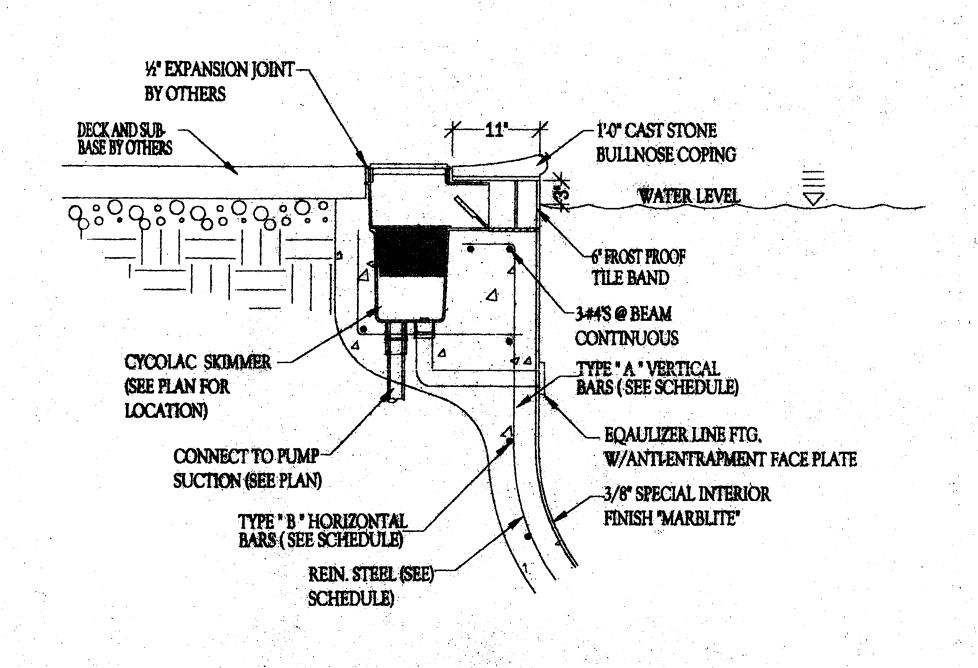
SECTION MAIN DRAIN
SCALE: 1" - 1'0"

PULLNOSE COPING DECK TO SLOPE 1/4" PER / 11" FT, AWAY FROM DECK WATER LEVEL TILE BAND -3#4'S @ CONTINUOUS TYPE 'A "VERTICAL BARS (SEE SCHEDULE) -THICKNESS T TYPE 'B' HORIZONTAL-BARS (SEE SCHEDULE) (SEE SCHEDULE) 90" —PLACE 3000psi CONC. FLOOR SLAB AS -3/8" SPECIAL INTERIOR HIGH AS POSSIBLE WALLS TO BE PRESSURE FINISH "MARBLITE" CONC. (GUNITE) AND SHALL FORM A MONOLITHIC JOINT PLANE OF INTERIOR FRICTION -6" CONC. FLOOR (TYPICAL)

TYPICAL SECTION POOL WALL

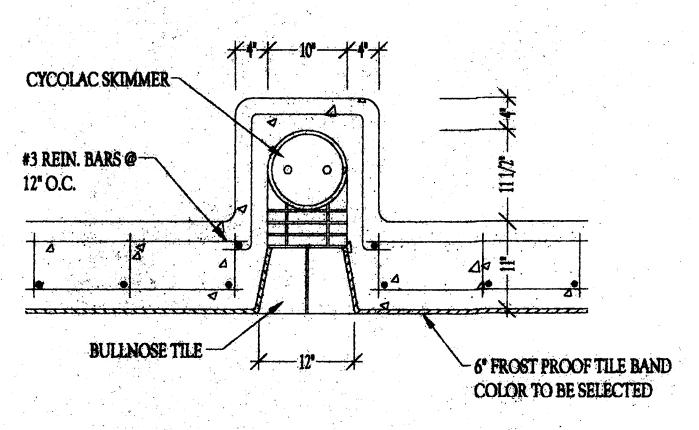
SCALE: 1'- 1'0'

4" GRAVEL BED

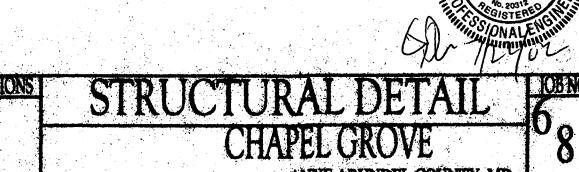


VERT, SECTION SKIMMER

SCALE 1'- 1'0'



HORIZ. SECTION SKIMMER
SCALE, 1'- 1'0"



ANNE ARUNDEL COUNTY, MD

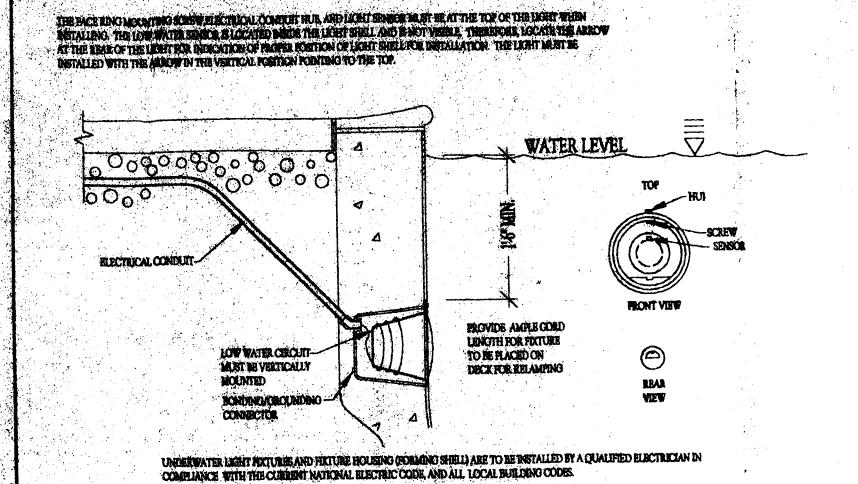
Price of Cympulsing of the Orympic Trackiton

SWIMMING POOL COMPANY

4040 PRON-BELT PLACE SUITE 100

RORESTVILLE, MARYLAND

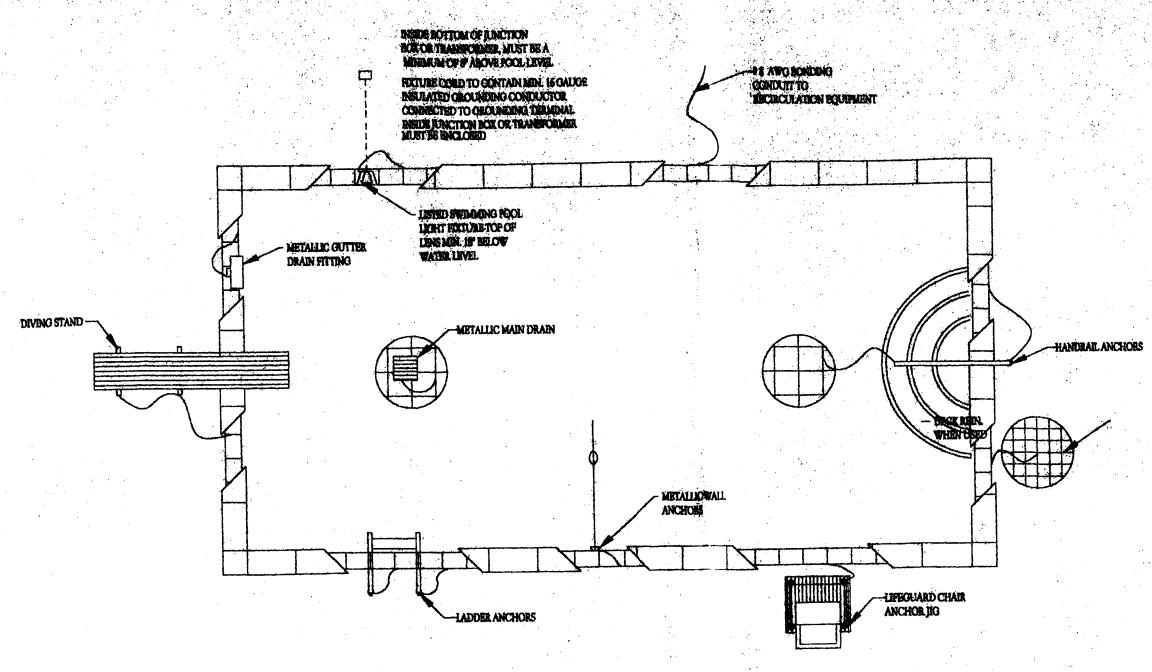
PHONE 301 420-2020 PAX 301-420-6322



* LIGHT MUST BE SUBMERSED IN WATER BEFORE ILLUMINATING *

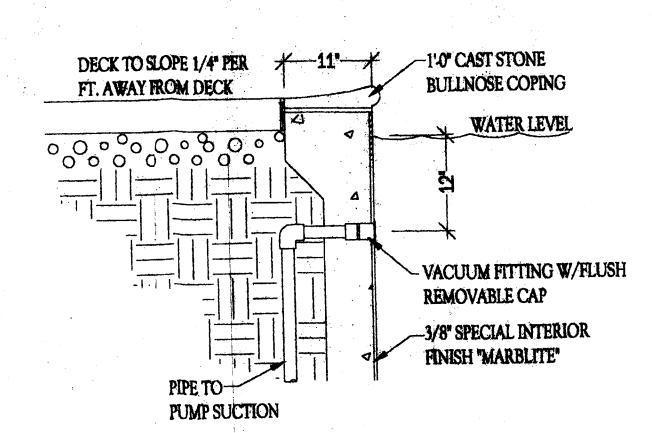
TYPICAL SECTION LIGHT

SCALE: 1'- 1'0'

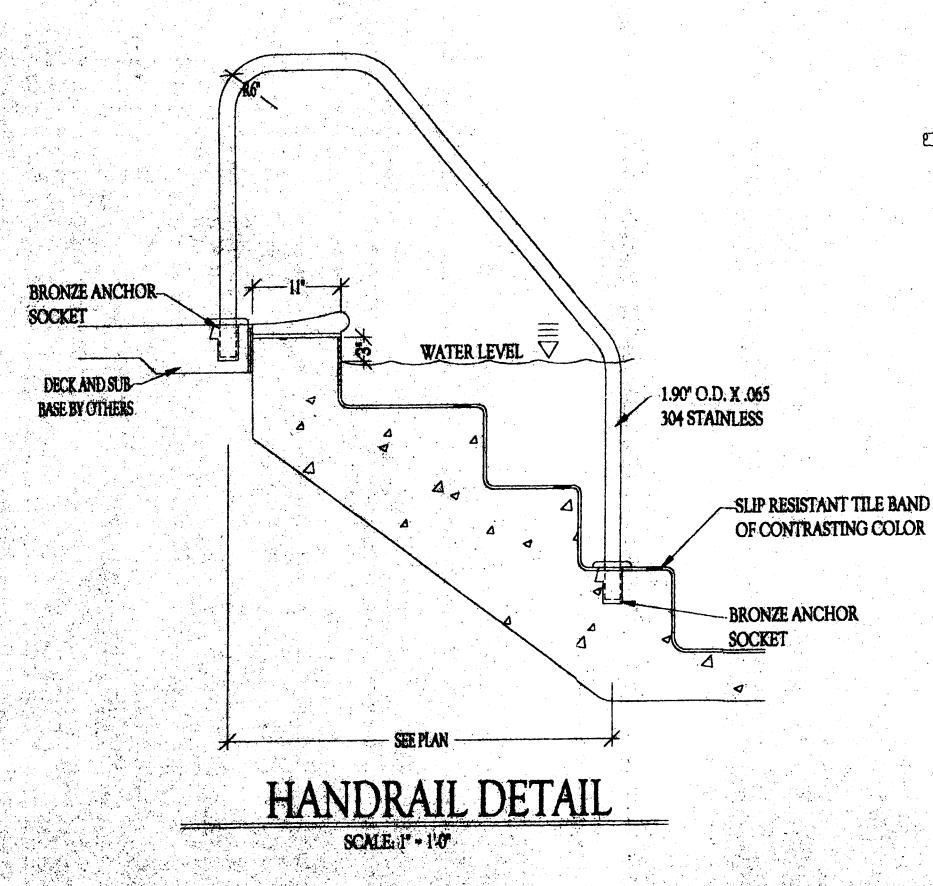


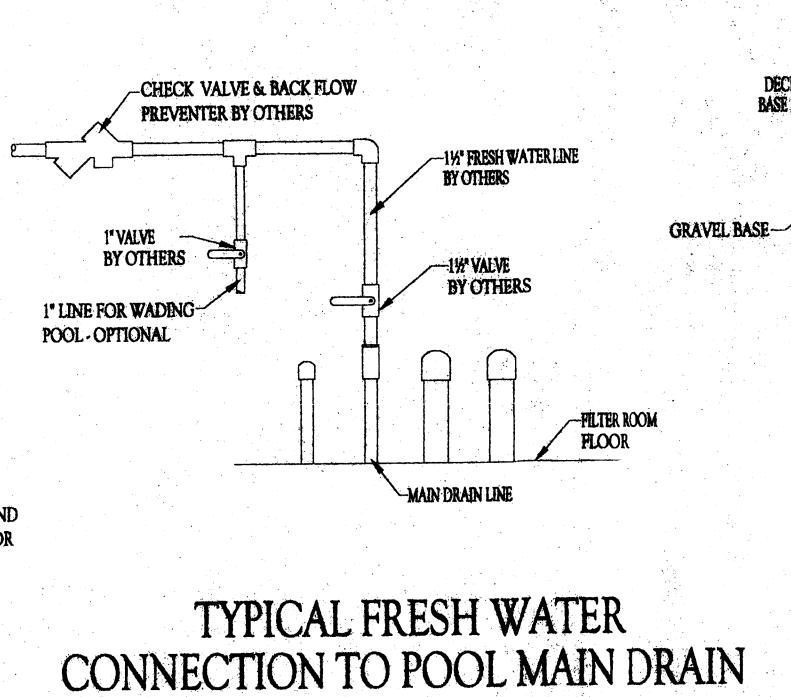
NOTE: PERMIT & INSPECTIONS REQUIRED BY OTHERS

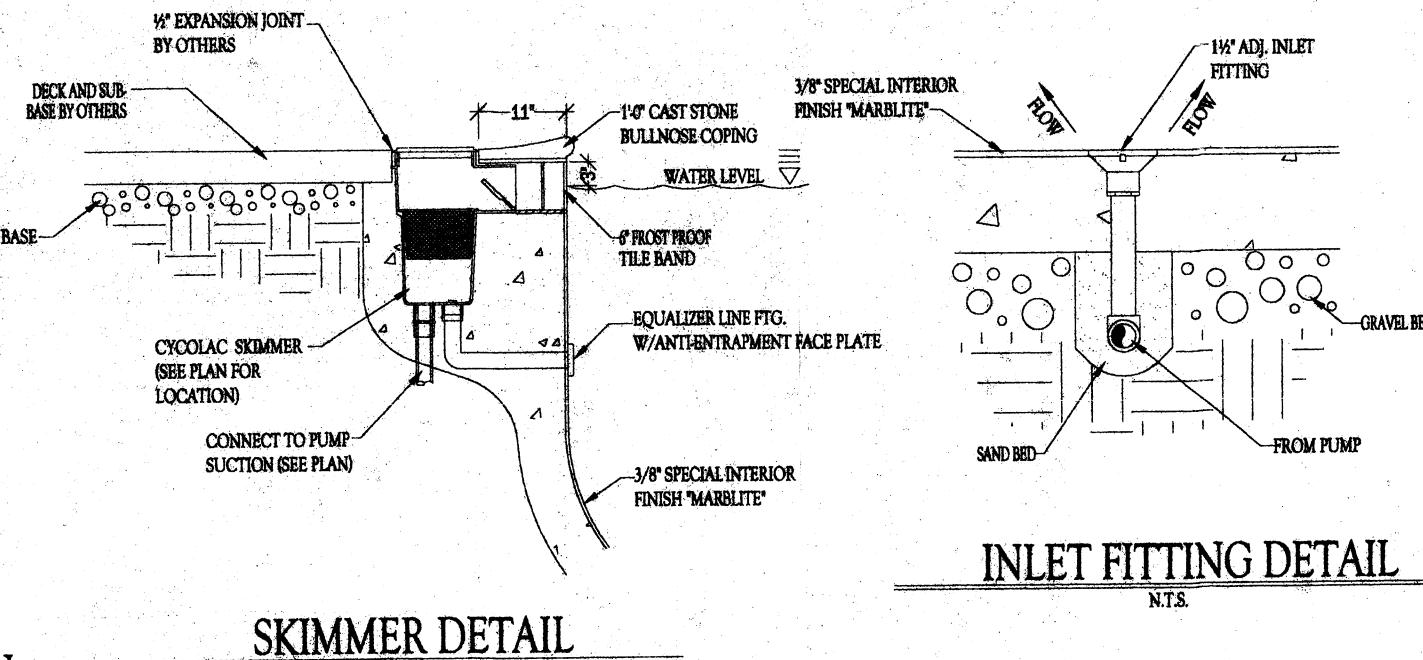
TYPICAL SWIMMING POOL ELECTRICAL BONDING & GROUNDING

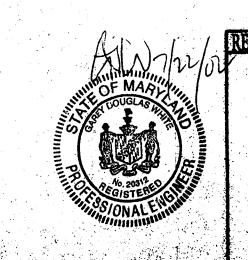


VACUUM FITTING DETAIL
SCALE, 1" - 1'-0"









SCALE: 1" = 1'0"

DETAIL PLAN

CHAPEL GROVE
ANNE ARUNDEL COUNTY, MD

STAGO CONTINUOUS IN the Objeque Tradition
SWIMMENG POOL COMPANY
4040 PENN-BELT PLACE SUITE 100
PORESTVILLE, MARYLAND
PHONE 301 420 2020 PAX 301 420-6322

ANNE MARY

hapel Grove

Anne Arundel C

	ECTRICAL SYMBOLS	
\$	LIGHT SWITCH	ı
\$3	3-WAY LIGHT SWITCH	
\$=	FAN SWITCH (PRE-WIRED)	1
 	DUPLEX OUTLET	
⇔	SWITCHED DUPLEX OUTLET	
₩P	WATERPROOF OUTLET	
⇔ G FI	GRND. FAULT INTERRUPT OUTLET	
H⊕ DW	SPECIAL PURPOSE OUTLET	
₩	QUADPLEX OUTLET	
₽R	RANGE OUTLET	
HTV	TY ANTENNA OUTLET	
\triangleleft	TELEPHONE OUTLET	Ai
•	EXHAUST FAN- CLG. MTD.	
- -	EXHAUST FAN/LIGHT FIXTURE COMB CLG. MTD.	
- \(- \(\)	LIGHT FIXTURE- WALL MTD.	
ф ²	LIGHT FIXTURE - CLG. MTD.	
(SD)	SMOKE DETECTOR -	
	2'X4' FLUORESCENT FIXT SURFACE MTD.	
J	JUNCTION BOX	
	CEILING FAN	
∐ ø	HEAT LAMP	
R	DOWNLIGHT FIXT RECESSED CLG. MTD.	
D	ELECTRIC DOOR OPENER	
		5

PROJECT TEAM OWNER/DEVELOPER Winchester Homes 6305 Ivy Lane Suite 800 Greenbelt, MD 20770 PH: 301.474-4411 FAX: 301.474.1609

rchitectural Design Group 1600 Prince Street Suite 114

<u>ARCHITECT</u>

A'exandria, Virginia 22314 PH: '3. 549.9556 FAX: *.4458

M.E.P. ENGRS

JCS Engineering, Inc.

8605 Westwood Center Dr., Suite 502 Vienna, VA 22182 PH: (703) 883-0012 FAX: *.0015

ount	t y, M I		
ARCH. S'	YMBOLS		ST OF DRAWINGS
DET SECTION CUT DET	BLDG. SECTION	SHEET #	SHEET TITLE
SECTION CUT	WALL SECTION	A0.0 A1-0	COVER FLOOR/ FDN PLAN/ DET.
(SHT)	DETAIL	A1-1 A2-Ø A2-1 A3-Ø	ROOF/ FRAMING PLANS/ DET. BLDG. ELEVATIONS- 1/4" BLDG. SECTION
SHT ELEV		A4-Ø A5-Ø	SCHEDULES/DETAILS REF. CEILING PLAN/ INT. ELEV
SHT ELEV	INTERIOR ELEVATION	M-1 M-2	FLOOR PLAN SYMBOLS & NOTES
ELEV	WINDOW MARK	P-1 P-2	FLOOR PLAN SYMBOLS, NOTES & PLUMBING DIAGRAMS
	WINDOWTIAN	E-1 E-2	FLOOR PLAN SYMBOLS & NOTES
(#) EL. ±×'-×"	DOOR MARK		
T/F.F.	SPOT ELEV.		

	y,		•
ARCH. S'	YMBOLS		ST OF DRAWINGS
SECTION CUT DET	BLDG. SECTION	SHEET *	SHEET TITLE COVER
DET SECTION CUT	WALL SECTION	A1-Ø A1-1	FLOOR/ FDN PLAN/ DET. ROOF/ FRAMING PLANS/ DET.
DET SHT	DETAIL	A2-Ø A2-1 A3-Ø A4-Ø	BLDG. ELEVATIONS- 1/4" BLDG. ELEVATIONS- 1/4" BLDG. SECTION SCHEDULES/DETAILS
SHT ELEV	INTERIOR ELEVATION	M-1 M-2 P-1	REF. CEILING PLAN/ INT. ELEV FLOOR PLAN SYMBOLS & NOTES FLOOR PLAN
$\overline{\times}$	WINDOW MARK	E-1 E-2	SYMBOLS, NOTES & PLUMBING DIAGRAMS FLOOR PLAN SYMBOLS & NOTES
#	DOOR MARK		
EL. ±×'-×" T/F.F.	SPOT ELEV.		
\wedge			

	BLDG!/ CODE ANALYSIS	VICINITY MAP
	APPLICABLE CODES:	\////
	1996 ED. BOCA 2000 NFPA 101 -LIFE SAFETY CODE 1996 NAT'L. PLUMBING CODE 1996 MECH. CODE 1996 NAT'L ELECTRICAL CODE	111
ı	NO. OF BUILDINGS/ USE GROUP: ONE BLDG/ A3 ASSEMBLY USE GROUP	CRITERION DRIVE
	TYPE OF CONSTRUCTION: 5B UNPROTECTED (NON-SPRINKLERED) MAX. STORIES & HGT.: 1 ST/ 20'	W CO
	ACTUAL AVG. HGT.:	PLAYNO PLAYNO
	MAX. ALLOWABLE AREA: 42009F ACTUAL AREA:	STRIVE
	2,060SF ENCLOSED/ 450SF COVERED EXTERIOR OCCUPANCY LOAD:	
NGS	POOL SURFACE AREA: 2,8196F MAIN + 186F WADE=29516F POOL 2,951/12 = 246 BATHER6= 126F + 126M	
	ACTUAL PLUMB. FIXTURE COUNT:	PROPERTY LINE
PET. NS/ DET. 1/4" 1/4"	DRINKING FOUNTAIN 2 SHOWERS ist 50+1/50 ADDED M/F 2WC+2LAY ist 100F 1/100 ADDED F WC URINALS LAY ist 100M 1/200 ADDED M 1WC+1U+1LAY M	00 00 00 00 00 00 00 00 00 00 00 00 00
NT. ELEV.	AGENCY WITH JURISDICTION: HEALTH DEPT. ANNE ARUNDEL Co. TEL. 410222.7212 FAX: 703/771-5023 BLDG. DEPT. TEL. 410222.7784	TAX MAP 29 BLOCKS 16, 17, 22 & 23 PARCELS 77, 78, 84 & FOURTH ASSESSMENT DISTRICT ANNE ARUNDEL COUNTY, MARYLAN SITE PLAN PROVIDE BY J.A. CHISHOL, P.E. L.L.C. 2661 RIVA ROAD, RIVA 400, SUITE 320 ANNAPOLIS, MARYLAND 21401 PH. (410) 224-3990 FX (410) - 224-4203
	ABBRE	VIATIONS
3	ACT. ACOUSTICAL CLG TILE EXT. EXTERIOR	MTD. MOUNTED S.D. STORM DRAIN

SFT.

INSUL.

INV.

KIT.

LAY.

MAS.

MAX.

MIN. MLDG.

MECH.

MTL. METAL

DL				4/	
COUNT:	145 PECA		BERTY LINE		
3F/3M 2WC+2LAY F M IWC+1U+1LAY M	441	00 00 00 00 00 00 00 00 00 00 00 00 00		00 00 00 00 00 00 00 0	CON
ION:	FOURTH ASSESSM SITE	DOCKS 16, 17, 22 & 23 MENT DISTRICT ANNE PLAN PROVIDE BY J.A. (2661 RIVA ROAD, RIVA ANNAPOLIS, MARYLA (410) 224-3990 FX	ARUNDEL CHISHOL, 100, SUITE ND 21401	COLINITY MADVI AND	ARCHITY
ABBREV	MATION	9			ARCI
EXTERIOR FILISH FILOOR FACE OF FACE OF STUD FOUNDATION	MO. NO. N.T.S.	MOUNTED MASONRY OPENING NUMBER NOT TO SCALE ON CENTER ON CENTER	5D. 5HT. 5IM. 5S.	SHEET SIMILAR CONDITION STORM SEWER	STATE
FOOTING CAGE CALVANIZED CYPSUM WALL BOAD CYPSUM BOARD	OPN'G. OP. HAND O.T.O. ARD PR PART.	OPENING OPPOSITE HAND OUT-TO-OUT	SF. STD. STL.	SQUARE FEET STANDARD STEEL STRUCTURAL TELEPHONE TOP OF	ECTURAL
HORIZONTAL HOLLOW METAL HOLLOW METAL HOLLOW METAL HOLLOW METAL HOLLOW METAL HOLLOW METAL INVERT	PRE-FAB PL P.T. PTD.	PRE-FABRICATED PROPERTY LINE PRESERVATIVE TREATED PAINTED	T/ FTG.	TOP OF FOOTING TOWNHOUSE THICK TYPICAL UNLESS NOTED	TECTU
JOINT JANITOR'S CLOSET KITCHEN LAYATORY MASONRY MAXIMUM	REINF. REV. RM. R.T.U. SAN. S	REINFORCEMENT REVERSE ROOM ROOF TOP UNIT SANITARY SANITARY	U⊥. У. W. W/	OTHERWISE UNDERWRITERS LABORATORY VERTICAL WIDE WITH	
MECHANICAL MINIMUM MOULDING	S.B. SECTN. SF	SPLASH BLOCK SECTION SINGLE FAMILY	WDW. WD. W.P.	WINDOW WOOD WATERPROOFING	

TRUCTURAL NOTES

(The lateral earth pressure value assumed on the foundation walls shall be 45 lbs/ft. sq./ft.). Sitework and Excavation

A. Concrete slab footing calculations are based on an assumed soil bearing value of 2000 PSF. If site conditions indicate lesser values, notify architect so that necessary structural modifications can be made. Actual soil bearing values at foundation and slab shall

Concrete

A. All spread footings shall extend a minimum of 1'-0" into undisturbed soil or shall be founded in approved structural fill. Elevations at the top of footings shall not be higher than indicated on the plans. Final footings may extend below elevations shown where necessary to reach the above soil bearing values.

be verified by a qualified geotechnical engineer.

- 4" drain tile shall be provided at bottom of concrete footings where noted. Tile to be set on 4" gravel bed with 8" gravel cover and should drain to daylight or sump pump as per engineer's drawings. Filter fabric shall have an open area of 40% or less and equivalent
- opening size of No. 40 sieve. Cast -in-place concrete foundation walls shall be installed in strict compliance with local codes and ordinances. Foundation walls shall be thickness indicated on drawings. (8" thick minimum). Where there exists an unbalanced fill condition of 7'-0" or greater, the foundation walls shall be 10" thick minimum or be engineered with reinforcement. Provide either a concrete or masonry "shelf" for brick veneer where indicated on the drawings.
- Footing depths are shown on the sections. Unless otherwise noted, footings shall bear a minimum of 1'-0 into the original undisturbed soil and a minimum of 2'-6" below finished grade. Where required, step footings to ratio of 2 horizontal to 1 vertical.
- The contractor shall take all necessary precautions to brace foundation walls when backfilling. Backfilling against walls shall not be permitted until adequate bracing arrangements have been provided. Walls receiving backfill on both sides shall have both faces backfilled simultaneously.

- Slab on grade shall be 4" thick reinforced with 6x6 -W1.4 x W1.4 W.W.F. ard shall be placed on 6 mil. poly vapor barrier over 4" porous gravel fill. All mechanical, plumbing, and electrical equipment pads shall be reinforced with at least one lay of 6x6 - W4x
- W4 W.W.F. Anchor bolts indicated an drawings may be replaced by anchor straps. Install as per manufacturer's recommendations - 12" from corners and at intervals of
- not more than 4 feet. The minimum strength of concrete at 28 days shall be 3000 PSI*. All concrete shall be normal weight. Protective cover for renforcing steel shall be as follows: Footings - 3"
- Slab -Walls - 1" at interior face, 3" at exterior The minimum strength of concrete at 28 days shall be 3500 PSI where concrete is exposed to severe weathering.
- Example: stoops, steps, car ports & garage slabs. A. Hollow load bearing concrete masonry unites shall conform to ASTM C90 Grade N or S, Type 1, with a minimum ultimate compressive strength (f'm) of 2500 on
- the net section. Solid load bearing concete masonry units shall conform to ASTM C145, Grade N or S, Type 1, with a minimum ultimate compressive strength (f m) of 2500.
- Solid load bearing builting brick shall conform to ASTM C62 and/or ASTM C216 with a minimum ultimate compressive strength (f'm) of 2500. All mortar below grade shall be Type M and all other mortar shall be Type S. Mortar shall conform to ASTM
- Grout for filling reinforced or non-reinforced cells of mosonry units shall be either concrete or Portland cement grout. Minimum strength shall be 2500 PSI. Reinforcing bars for reinforced masonry shall conform
- to ASTM A615. Grout for filling reinforced or non-reinforced cells shall be placed in maximum four (4) foot lifts and consolidated in place by vibration or other methods which insure complete filling of the cells. All cells containing reinforcing bars and/or anchor bolts shall
- be fully grouted. H. All walls and piers shell have horizontal joint reinforcements at 16" on center vertically, unless

noted otherwise. A. Structural steel shall be detailed, fabricated, and erected in accordance with the latest edition of The American Institute of Steel Construction (AISC) "Specifications for the Design, Fabrication and Erection of Structural Steel for Buildings".

- B. The structural steel subcontractor shall be responsible for checking, verification and coordination of dimensions, and details with the structural and with other portions of the contract drawings. The steel subcontractor shall not reproduce any portion of the structural contract drawings for utilization as shop drawings, unless approval of the Architect is obtained
- Structural steel shall be ASTM A-36, FY-36 KSI unless otherwise noted. All bolts, nuts, and washers shall conform to the requirements of ASTM A490 or A325. All bolts shall be 1/2 inch diameter, unless noted
- D. All connections shall be simple shear connections utilizing high—strength bolts in bearing—type connections with threads excluded from the shear plane
- in single shear, unless noted otherwise. Provide one steel angle lintel in the brick veneer for the following openings unless otherwise shown:
- Lintel Size $3\frac{1}{2}$ "x $3\frac{1}{2}$ "x $\frac{5}{16}$ " (3 $\frac{1}{2}$ " Leg Horizontal) 4'-0" or less 4'-1" to 5'-11" 4"x $3\frac{1}{2}$ "x $\frac{5}{16}$ " ($3\frac{1}{2}$ " Leg Horizontal) 6'-0" to 8'-0" 6"x 3½"x 5/16" (3½" Leg Horizontal) Provide minimum 4" bearing at each end of spans 6'-0" or less, and 6" bearing at each end for spans greater than 6'-0".
- All following design values are in accordance with revised national design specifications (NDS) supplement to the revised 1991 edition.
- A. all joists, headers and beams to be minimum SPF #2 having the following minimum properties unless noted otherwise: Fb = 875 psi

Fc per = 425 psi

Fv = 70 psi

- E = 1,400,000 psiB. Exterior and interior bearing wall studs and wall top and bottom plates shall be minimum SPF #2 2X4's having the following minimum properties unless noted otherwise: Fb = 875 psi Fc per = 425 psi Fc par = 1100 psi
- E = 1,400,000 psi* See note D for 1st floor base plates * See wall stud schedule for spacing * Non-bearing interior wall study may be spf-stud grade 2x4 at 24" o.c.

All 6x6 posts to be minimum sp #2 and shall have the following minimum properties Fb = 850 psiFc per = 375 psi Fc par = 525 psi

PARTITION TYPE

REVISION (AFTER BID)

- All lumber used in exterior applications, including balcony deck boards, ledger, joists, beams, and sill plates exposed to concrete shall be southern pine pressure treated in accordance with AWPA C2 specifications, having the following properties: Fc = 565 psiFv = 90 psi
- E = 1,600,000 psi $Fb = 1500 \ 1250 \ 1200 \ 1050 \ 975 \ psi$ 2x4 2x6 2x8 2x10 2x12 All fasteners for pressure treated wood shall be of hot-dipped zinc-coated galvanized, stainless steel, silicon bronze, copper or other corrosion resistant materials.
- LVL's (laminated veneer lumter) shall be 1-3/4" wide, of the depth specified on the plans, and shall be secured together as directed by the manufacturer unless noted otherwise. The following minimun properties shall apply: Fb = 2600 psi, for 12" depth. for others, multiply by: (d/12)^0.136
- Fv = 285 psi Fc per = 750 psi E = 1,900,000 psi

E = 1,200,000 psi

- F. PSL's (Parallel strand lumber) shall be of the width and depth specified on the plans, and shall be secured together as directed by the manufacturer unless noted otherwise. The following minimum properties shall apply: Fb = 2900 psi, for 12" depth for others, multiply by: $(d/12)^0.111$ Fv = 285 psi Fc per = 750 psi
- E = 2,000,000 psiG. All studs shall be installed ir accordance with NFPA (National forest products association) requirements. Members are not to be drilled in excess of NDS or local code requirements, whichever is more stringent. All posts and studs shall stack continuously to solid bearing on foundation walls or beams; provide solid blocking and or cripples as required between floors.

- H. Sheathing: each panel shall be identified with the appropriate trademark of the American plywood association, and shall meet the requirements of APA PRP-108 performance standards. All panels which have any edge or surface permanently exposed to the weather shall be classed exterior grade. Panel thickness, grade, and group number or span rating shall be at least equal to that shown on the drawings. Application shall be in accordance with the recommendations of the American Plywood Association. All adhesives shall conform to APA specification AFG-01 and applied in accordance with the manufacturer's recommendations. Lap sheathing over wall
- plates to prevent uplift. I. Add extra floor truss under full height walls where wall extends more than half the span of the truss. J. Floor decking shall be glued and nailed with ring shank nails at 12" O.C. per APA recommendations for the

sturdi-floor system.

Pre-Fabricated Wood Trusses A. Work Included. Fabricate, supply and erect wood trusses as shown on the drawings and as specified. Work to include anchorage, blocking, curing, miscellaneous framing and bracing. B. Trusses shall be designed in accordance with NDSO,

forces shall be determined by the use of 'components and cladding' design criteria. C. Manufacturer shall furnish design drawings bearing the seal and registration number of the design professional licensed in the state where trusses are to be installed. Drawings shall be approved by architect prior to fabrication.

AFPA, NDSMPCWTC, TPI, and the code jurisdiction. Uplift

D. Included in the manufacturer design drawing package shall be signed and sealed copies of the following items: Letter stating that governing design criteria has been met, truss layout plan to match the concept generated on the structural design drawings, and individual truss profiles that show correct loading, spacing, max. deflections, member forces, dimensions, lumber grade and species, and reaction/uplift forces.

Lumber used shall be identified by the grade mark of the lumber inspection bureau or agency approved by board of review of the American lumber standards committee.

F. Connector plates shall meet or exceed ISTM A446 steel. G. Trusses shall be fabricated in compliance with requirements in NDSMPCWTC, TPI.

BEARING CONTROL JOINT

CENTERLINE

CONC. CONCRETE

CPT.

DBL. DET. D.S.

DN.

CONT. CONTINUOUS

CARPET

DOUBLE

DOWNSPOUT

EJ. EXPANSION JOINT

DETAIL

DOWN

DRWGS. DRAWINGS

ELEY ELEVATION

ELEC. ELECTRIC

EXIST, EXISTING

EA. EACH

CMU CONC MASONRY UNIT HM

Trusses shall be handled during fabricaton, delivery and at job site so as not to be subjected to excessive lateral bending. Erection shall be in accordance with HIB-91, TPI. Trusses must be set and secured level and plumb, and in correct location. Cutting and altering of trisses is not

Brace trusses sufficiently during erection to prevent toppling or dominoing. Install all bracing before placing concentrated load atop trusses.

J. Manufacturer shall supply all required hingers, hold

down straps, shear panels, cripples and other special

transfer wall loads from floor to floor between studs.

hardware. K. Floor truss live load deflection shall not exceed L/480. Floor trusses supporting ceramic tile above shall be limited to L/720 live load deflection. If a 2x ribbs rather than a full height solid band is used at bearing wals, then the truss manufacturer shall supply pre-cut criple studs to

L. Roof truss live load deflection shall not exceed L/360. A minimum of (1) 'Simpson' H2.5 or equivlent hurricone clip will be required at each truss bearing joint. Additional uplift force resistance will be determined at the time of roof truss shop drawing review. All gable and roof trusses that are adjacent to a cathedral or sloped ceiling shall be designed so that the wall studs may span o the bottom of the ceiling line.

All work shall be in accordance with all applicable to and state codes, ordinances and regulations.

SQUARE FEET

All materials shall be handled, stored and installed in strict compliance with the manufacturer's printed

On site verification of all dimensions and conditions shall be the responsibility of the general contractor and his subcontractors. Noted dimensions take precedence over scale.

Date 1363

4. The Contractor shall compare and coordinate all grawings; when in the opinion of the Contractor, a discretancy exists he shall plantly report it for proper adjustment before proceeding with the work.

progress schedule, which is the prime responsibility of the Contractor. Shop Drawings should be forwarded to the Architect for his review only when and they have been recked and approved by the Contractor. The Architect approved the Shop Drawings only for conformance with the deside co cept of the Project and with the informatic given the Contract Documents. No substitutions if products and materials identified by brand me shall be accepted without prior Installation of all products and materials shall-follow manufacturer's recommended procedures.

7. Treat all soil around residence and provide owner with a five (5) year guarantee, by licensed exterminators who have been in business at least five (5) years. 8. All lumber in contact with the earth, concrete ar masonry

9 Provide project to restee solast blocks at all townspouts, or aged to regard the solar solar terrowners request.

10. Provide all wide albeigness base insulation in all exterior walls (R-13 in 2x4s and R-19 in 2x6s). Provide R-30 batt insulation in ceilings and R-19 batt insulation in the floor craim spaces. Provide RM11 batt insulation in all passmess to the height will sulction soll have a valur terror installed to be least 2." 802182669

ISSUED FOR NSTRUCTION

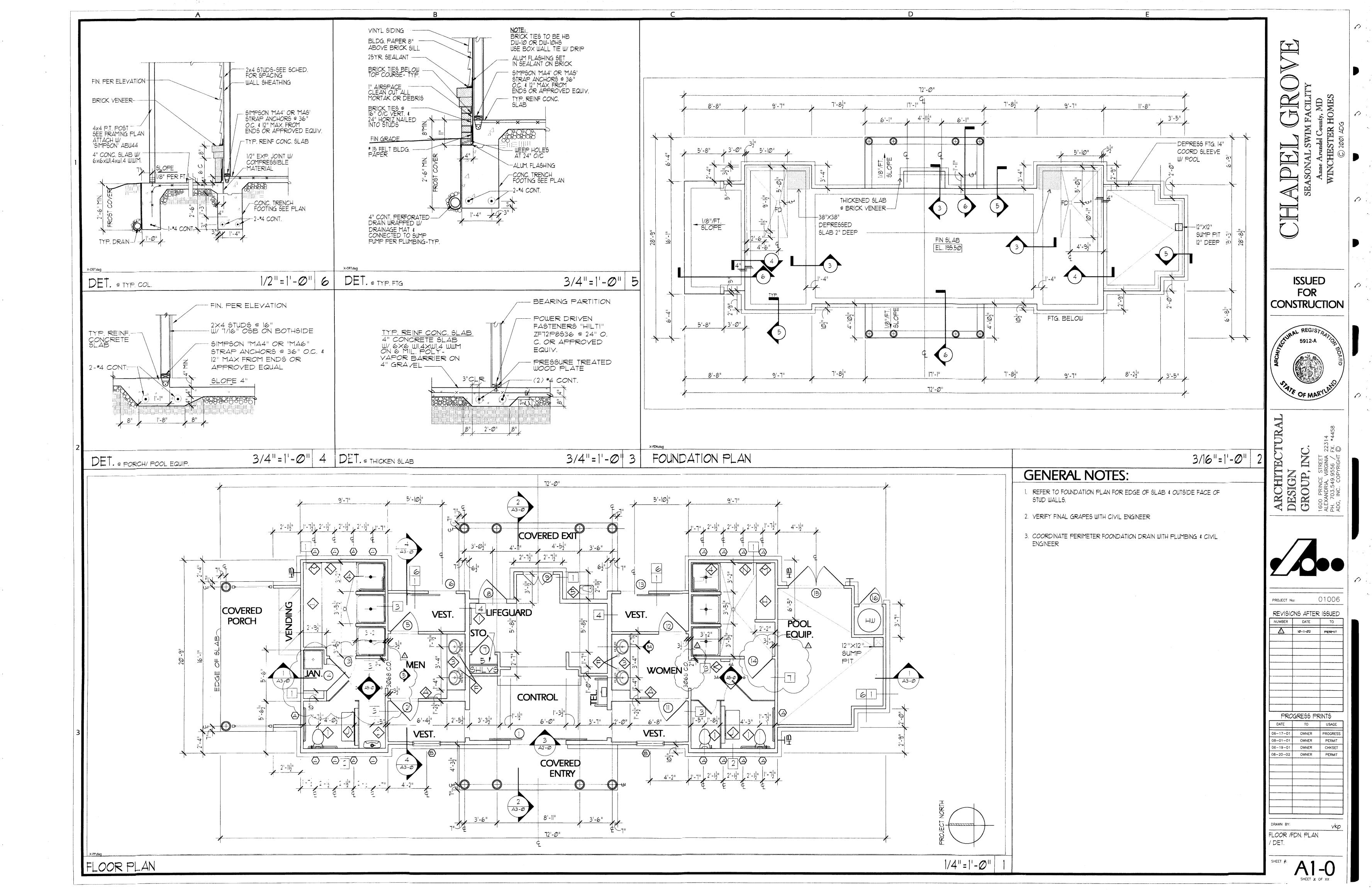


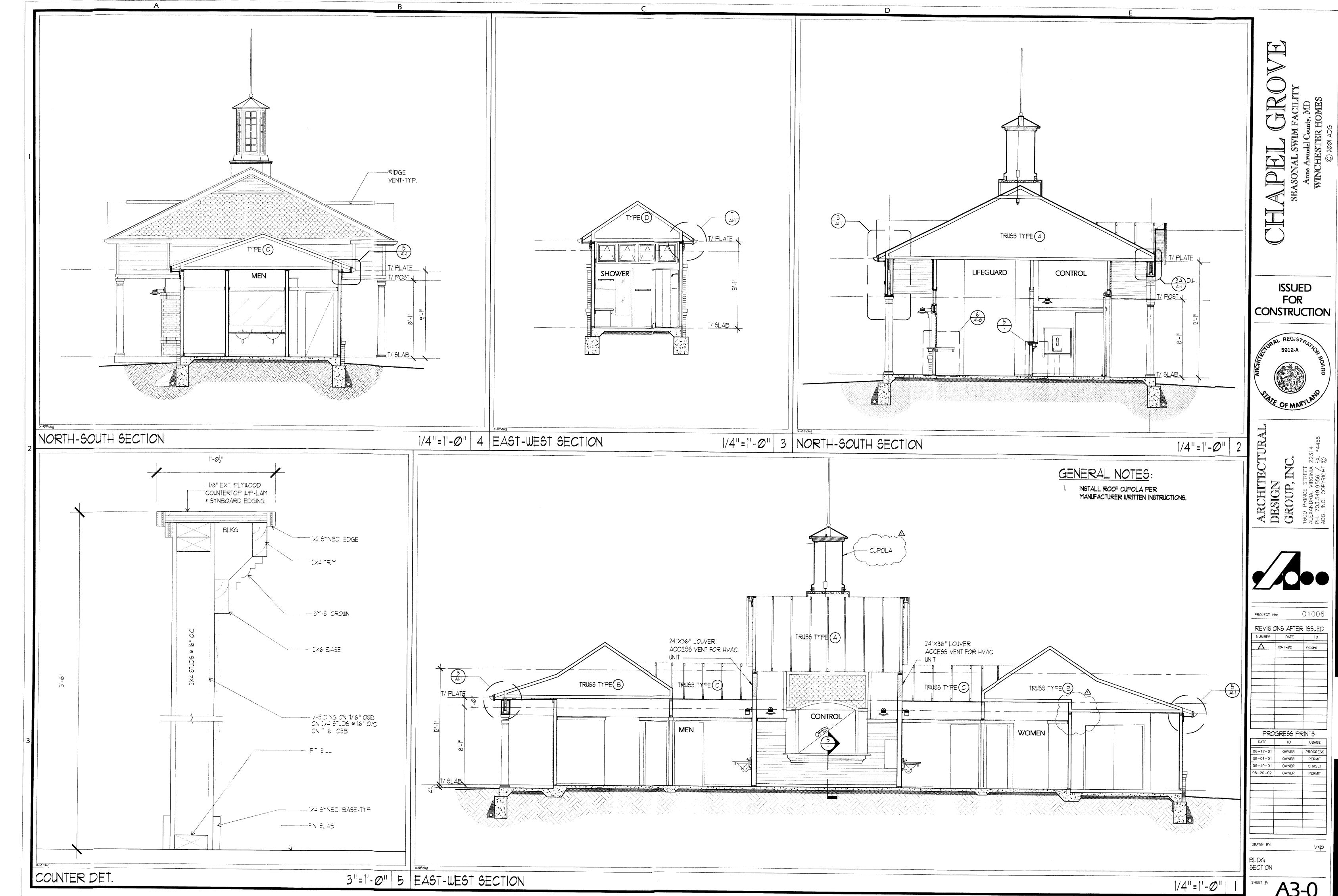
DESIGN GROUP,

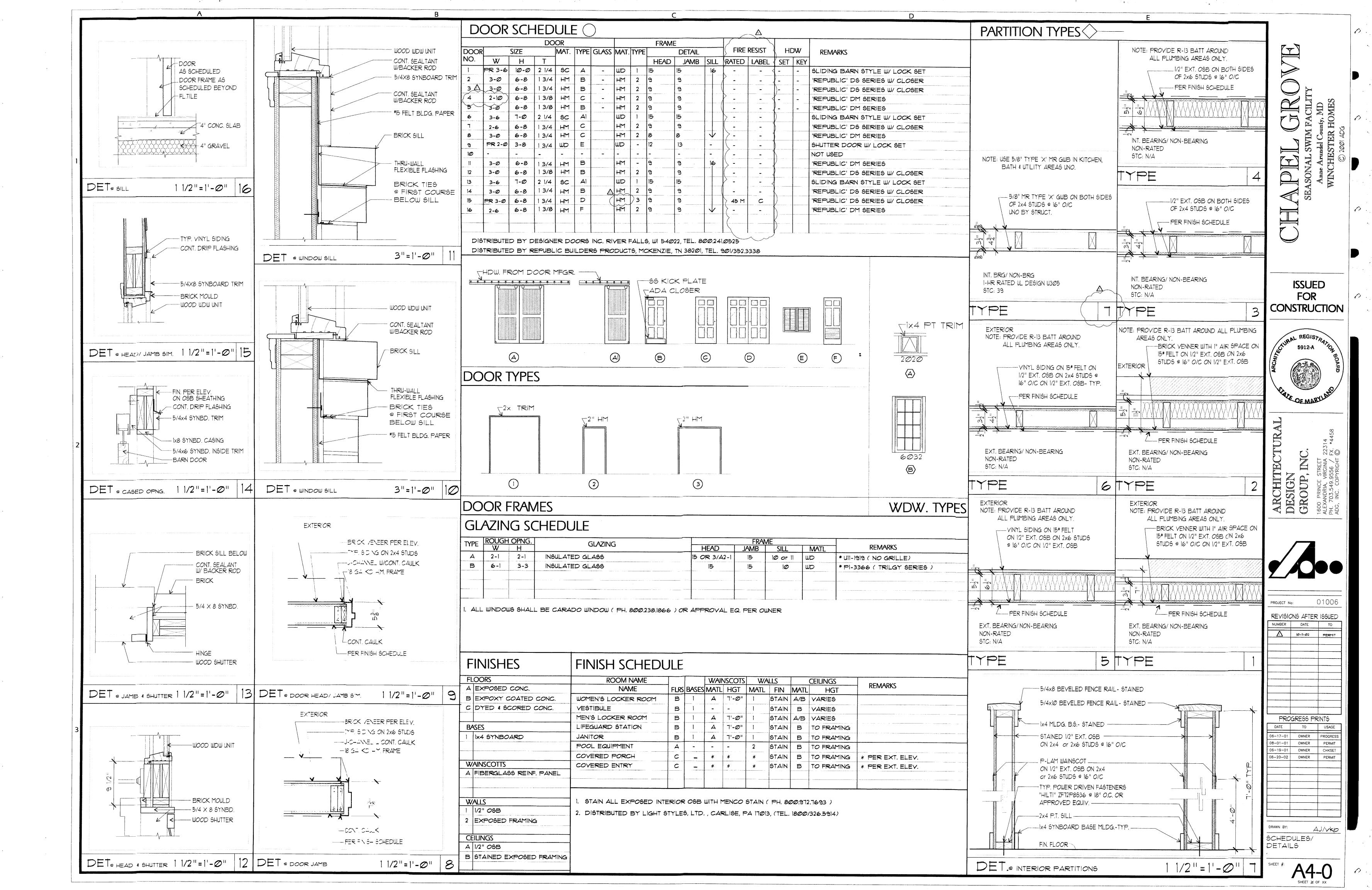
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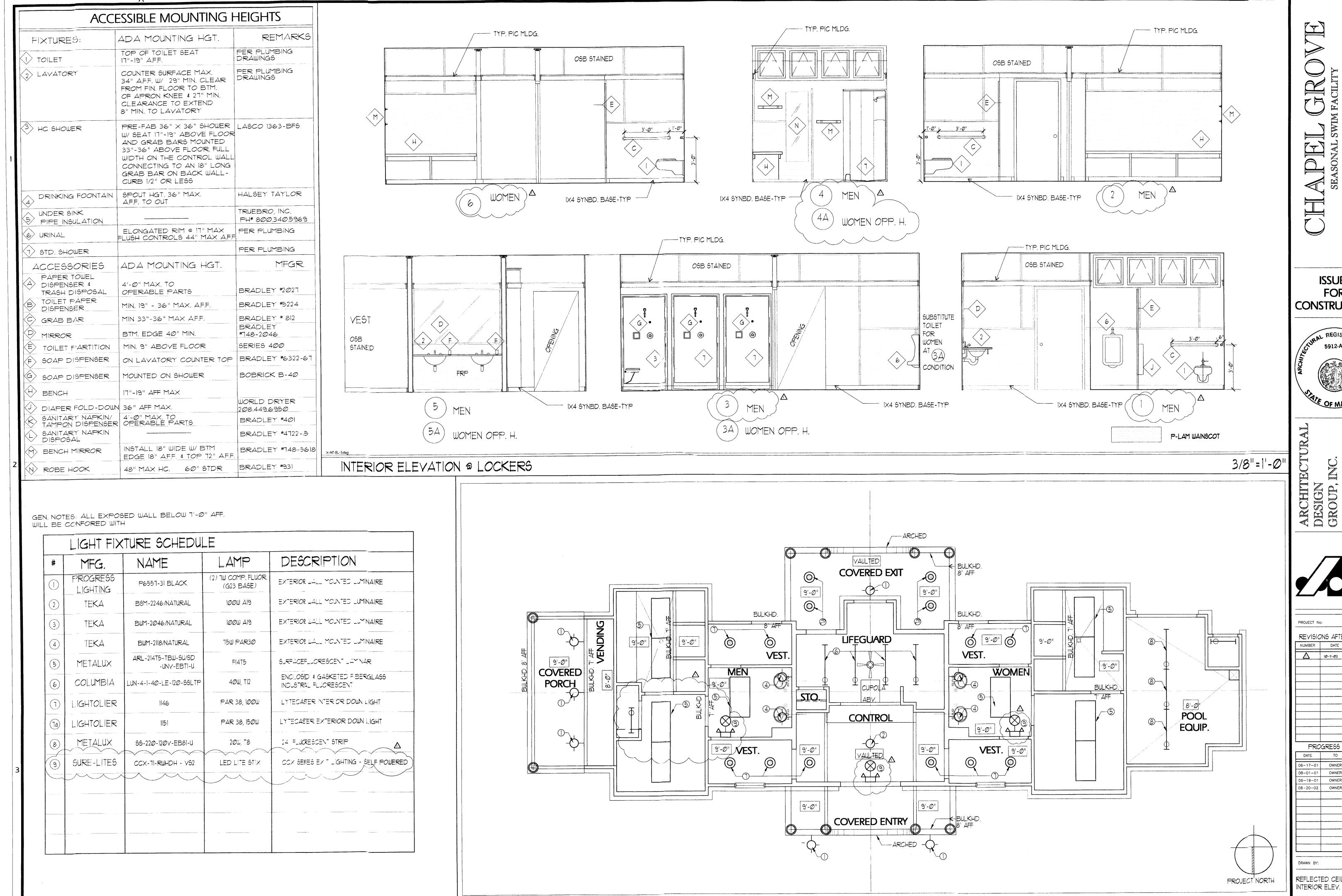
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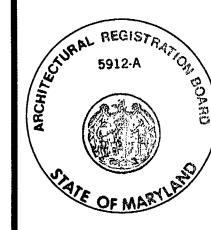




REFLECTED CEILING PLAN

LIGHT FIXTURE SCHEDULE

ISSUED FOR CONSTRUCTION



01006 REVISIONS AFTER ISSUED NUMBER DATE TO ⚠ 10-11-02 PERMIT

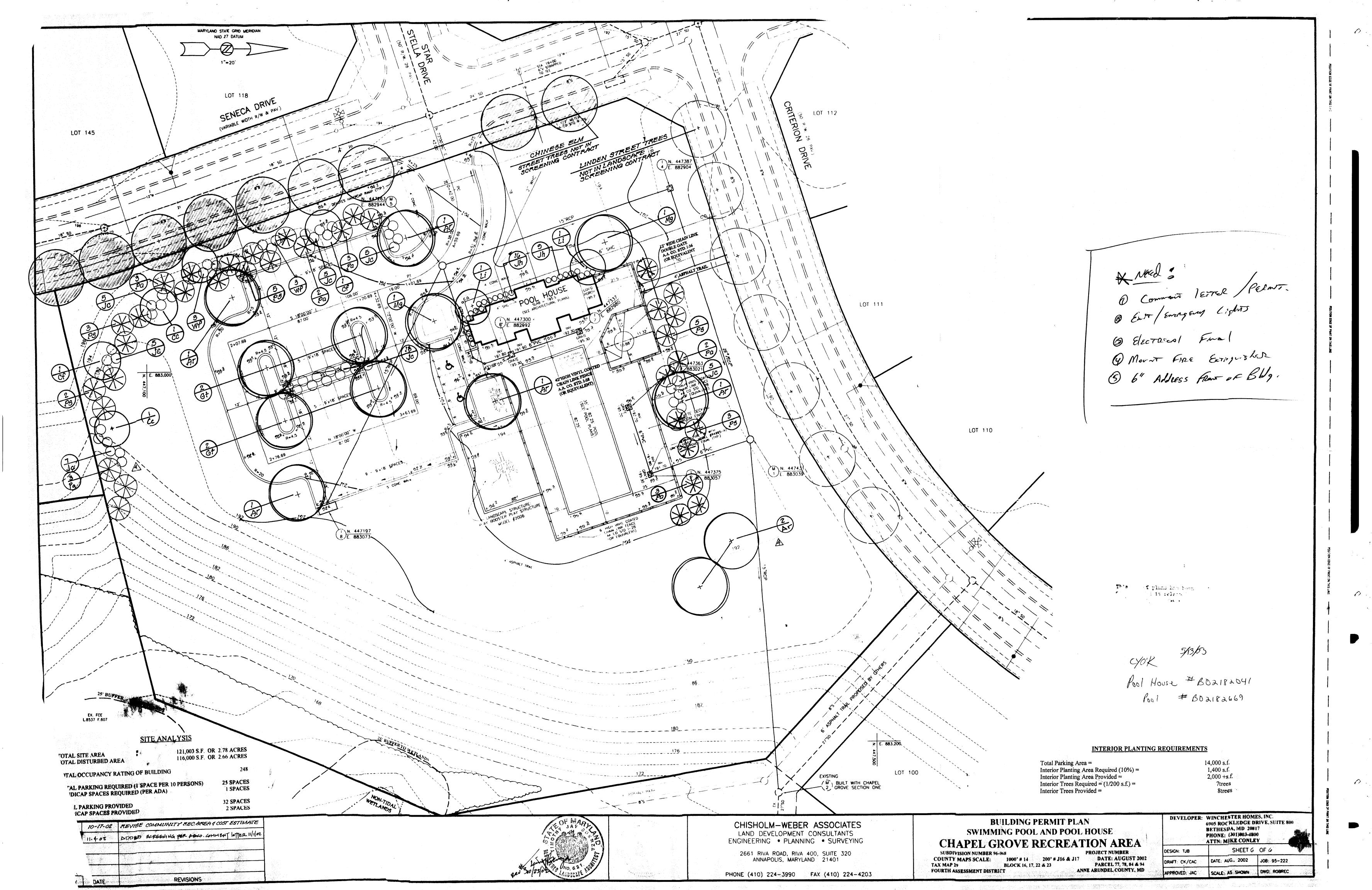
OWNER PROGRESS

PROGRESS PRINTS 08-01-01 OWNER OWNER OWNER

A.J. / vkb REFLECTED CEILING PLAN

A5-0

 $1/4'' = 1' - \emptyset''$



WEATHERPROOF

1 ALL ELECTRICAL EQUIPMENT AND MATERIALS SHALL BE NEW AND UL
LISTED AND LABELED. CONTRACTOR SHALL BE RESPONSIBLE FOR AND
SHALL BEAR THE COSTS OF ALL PERMITS AND INSPECTIONS. CONTRACTOR
SHALL PROVIDE ALL NECESSARY MATERIALS, EQUIPMENT, AND LABOR FOR
A COMPLETE INSTALLATION. CONTRACTOR SHALL MAKE ALL NECESSARY
ARRANGEMENTS AND BEAR COSTS FOR ANY TEMPORARY ELECTRIC SERVICE
REQUIRED DURING CONSTRUCTION. ALL ITEMS OF EQUIPMENT SHOWN ON
THESE PLANS ARE NEW EXCEPT ITEMS SPECIFICALLY IDENTIFIED AS
EXISTING.

ELECTRICAL REQUIREMENTS AND NOTES

GENERAL

- SPECIFIC NOTE REFERENCE
- BRANCH CIRCUIT HOMERUN— NUMBER OF SLASHES INDICATES NUMBER OF CURRENT CARRYING CONDUCTORS IF GREATER THAN TWO. BRANCH CIRCUIT WIRING- NUMBER OF SLASHES INDICATES NUMBER OF CURRENT CARRYING CONDUCTORS IF GREATER THAN TWO.
 - DENOTES INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER AT INDIVIDUAL OUTLET

GFI

- PANELBOARD
- TELEVISION OUTLET
- FUSED HEAVY DUTY SAFETY SWITCH NEMA 3R (OUTDOOR) ENCLOSURE UNLESS OTHERWISE NOTED. RATED 240 VAC UNLESS OTHERWISE NOTED. TWO POLE UNLESS OTHERWISE NOTED. 60 AMP UNLESS OTHERWISE NOTED.
- DUPLEX 15 AMP NEMA 5-15R GFI CONVENIENCE OUTLET.
- DUPLEX 15 AMP NEMA 5-15R CONVENIENCE OUTLET, LOCATED 6 ABOVE COUNTERTOP OR BACKSPLASH. DUPLEX 15 AMP NEMA 5-15R CONVENIENCE OUTLET.
- DUPLEX 20 AMP NEMA 5-20R CONVENIENCE OUTLET.
- SURFACE OR RECESSED MOUNTED FLUORESCENT FIXTURE
 - WALL MOUNTED FIXTURE 오
- SURFACE, RECESSED, OR PENDANT MOUNTED INCANDESCENT OR HIGHINTENSITY DISCHARGE LIGHTING FIXTURE

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JUNCTION BOX CONNECTION TO EQUIPMENT

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- SINGLE POLE SWITCH (20 AMP 120 VOLT)
 - THREE WAY SWITCH (20 AMP 120 VOLT)
 - FOUR WAY SWITCH (20 AMP 120 VOLT)

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7 PROVIDE A DEDICATED GROUND CONDUCTOR FOR ALL FEEDERS AND BRANCH CIRCUIT WIRING. THE GROUND CONDUCTOR SHALL BE COPPER. IF THE CIRCUIT CONSISTS OF MULTICONDUCTOR CABLE, THE GROUNDING CONDUCTOR SHALL BE A BARE CONDUCTOR CONTAINED WITHIN THE CABLE ASSEMBLY, OTHERWISE, THE GROUNDING CONDUCTOR SHALL BE AN INSULATED CONDUCTOR CONTAINED WITHIN THE SAME RACEWAY AS THE CURRENT—CARRYING CONTAINED WITHIN THE SAME RACEWAY AS THE CURRENT—CARRYING CONTAINED ON PLANS FOR BRANCH CIRCUIT WIRING. IN ADDITION, G'OUND ALL METALLIC RACEWAYS IN ACCORDANCE WITH THE NEC.

FUSE SIZES WHICH ARE NOT IN ATED ON THE DRAWINGS SHALL BE SELECTED TO COMPLY WITH THE SECONMENDATIONS OF THE MANUFACTURER OF THE SERVED EQUIPMENT. IT INERAL, FUSES SHALL BE UL CLASS RK1 NONLESS OTHERWISE INDICATED REQUIRED, EXCEPT THAT CLASS RK5 FUSES SHALL BE UTILIZED FOR FUSED SWITCHES AT MECHANICAL

NEUTRAL CONDUCTORS OF UP TO TWO BRANCH CIRCUITS (20 AMP RATED) ON SEPARATE PHASES MAY BE COMBINED IN HOMERUN WIRING, EXCEPT WHERE OTHERWISE INDICATED.

EXTERIOR WALL MOUNTED LUMINAIRE

100W A19

BSM-2246/NATURAL

TEKA

(-1)

EXTERIOR WALL MOUNTED LUMINAIRE

100W A19

BWM-2046/NATURAL

TEKA

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EXTERIOR WALL MOUNTED LUMINAIRE

(2) 7W COMP. FLU (623 BASE)

P6557-31 BLACK

PROGRESS LIGHTING

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DESCRIPTION

LAMP

NAME

MFG.

SCHEDULE

FIXTURE

LIGHT

EXTERIOR WALL MOUNTED LUMINAIRE

75W PAR30

BWM-2118/NATURAL

TEKA

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ENCLOSED & GASKETED FIBERGLASS INDUSTRIAL FLUORESCENT

40W, T12

UN-4-1-40-LE-120-SSLTP

COLUMBIA

(e)

SURFACE FLUORESCENT LAMINAR

F14T5

ARL-214T5-TBW-SU/SD -UNV-EBT1-U

MEJALUX

(5)

LYTECASTER INTERIOR DOWN LIGHT

PAR 38, 100W

LYTECASTER EXTERIOR DOWN LIGHT

PAR 38, 150W

1151

LIGHTOLIER

(P)

LIGHTOLIER

(<u>-</u>)

PANELBOARDS (OTHER THAN FUSIBLE TYPE) SHALL BE OF CIRCUIT BREAKERS. PROVIDE A PANELBOARD DIRECTORY FOR EACH PANEL. DIRECTORIES SHALL BE TYPED, EXCEPT THAT "SPACES" AND "SPARES" SHALL BE HAND-LETTERED IN ERASEABLE GRAPHITE PENCIL ON DIRECTORIES.

- MANUAL TOGGLE-TYPE STARTER WITH OVERLOAD PROTECTION 120 VAC SLIDE DIMMER
- EXIT LIGHT— CEILING MOUNTED— SHADED QUADRANT(S) INDICATE LIT FACES. ARROWS, IF PRESENT, INDICATE DIRECTIONAL ARROWS. EQUIPPED WITH TWO 15T6 145V. EXTENDED LIFE LAMPS, VOLTAGE RATING OF 120 VAC. RED LETTERS ON WHITE BACKGROUND. INCLUDE EMERGENCY BATTERY/INVERTER UNIT— SEE GENERAL REQUIREMENTS AND NOTES.
 - SAME AS ABOVE EXCEPT WALL MOUNTED.

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- SELF CONTAINED DUAL HEAD EMERGENCY FIXTURE, WITH 90 MINUTE RATED BATTERY AND INTEGRAL CHARGER UNIT. EACH LAMP 7.2 WATT PAR36. VOLTAGE RATING OF 120V. TELEPHONE OUTLET \Rightarrow ∇
 - FAN CONNECTION Q

																	I		T	
PANEL: M MOUNTING: SURF SECTION: 1	LOAD DESCRIPTION	OUTLETS						EXHAUST FANS	SUPPLY FANS	SPARE		SPACE FOR P.E.								
	CIRCUIT BREAKER AMP/POLE	20/1	20/1	20/1	20/1	20/1	20/1	20/1	20/1	20/1	20/1	1								
230 1 3	CKT.	2	4	9	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38
		⋖	В	4	В	A	В	A	В	A	В	∢	В	٧	В	٧	8	4	В	٧
VOLTS: PHASE WIRE:	S S S	-	3	5	7	6	11	13	15	17	19	21	23	25	27	29	31	33	35	37
MLO	CIRCUIT BREAKER AMP/POLE	20/1	20/1	20/1	20/1	20/1	20/1	20/1	30/1*	30/1*	30/1*	30/1*	100/2*	-	100/2*	-	1			
AMPERES: 400A INTERRUPTING: RATING (KAIC): 22	LOAD DESCRIPTION	LIGHTING			-	SPARE			WH (#10)	WH (#10)	WH (#10)	WH (#10)	HWH (#3)		HWH (#3)		SPACE			
			L	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>		L					<u> </u>				

3 CONTRACTOR SHALL COORDINATE ALL WORK WITH THAT OF OTHER TRADES. FIELD VERIFY SERVICE VOLTAGES AND LOADS FOR ALL HVAC EQUIPMENT. FIELD VERIFY ELECTRICAL CONNECTION REQUIREMENTS FOR ALL KITCHEN EQUIPMENT. DETERMINE EXACT LIGHTING FIXTURE LOCATIONS FROM ARCHITECTURAL REFLECTED CEILING PLANS. COORDINATE EXACT OUTLET LOCATIONS WITH ARCHITECTURAL PLANS AND DETAILS. SELECT COLORS FOR OUTLETS, SWITCHES, AND COVER PLATES AFTER CONSULTATION WITH ARCHITECT. MOUNTING HEIGHTS FOR RECEPTACLES IS 18" AFF EXCEPT WHERE OTHERWISE NOTED.

ALL WORK AND MATERIALS SHALL COMPLY WITH THE 1996 NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL CODES AND REGULATIONS.

CONTRACTOR SHALL PROVIDE ALL NECESSARY COORDINATION WITH LOCAL ELECTRIC POWER AND TELEPHONE COMPANIES TO ARRANGE FOR NEW SERVICES AS INDICATED.

NOTE THAT WHERE SPECIFIC BRAND NAMES HAVE BEEN INDICATED ON THESE DRAWINGS, SUCH INDICATION IS INTENDED ONLY TO ESTABLISH A REFERENCE STANDARD OF QUALITY. UNLESS AN ITEM IS IDENTIFIED AS "NO SUBSTITUTIONS", ALTERNATE MANUFACTURERS OF EQUIVALENT PRODUCTS WILL BE CONSIDERED.

PROVIDE HANDLE LOCKOUT DEVICE

6 ALL NEW WRING SHALL BE COPPER. MINIMUM CONDUCTOR SIZE IS #12
AWG FOR 20 AMP CIRCUITS, AND # 14 FOR 15 AMP CIRCUITS WITHIN
FINISHED AREAS, ALL WRING METHODS SHALL BE CONCEALED. WIRING
SHALL GENERALLY CONSIST OF DUAL RATED THWN/THHN CONDUCTORS IN
EMT, EXCEPT THAT CONCEALED BRANCH CIRCUIT WIRING MAY CONSIST OF
"ROMEX". BELOW GRADE CIRCUITS SHALL BE RUN IN
PVC CONDUIT (MINIMUM 24 INCH BURIAL DEPTH). PROVIDE LIQUIDTITE
FLEXIBLE METAL CONDUIT FOR FINAL CONNECTIONS TO ALL OUTDOOR
EQUIPMENT.

SUMMARY	
LOAD	

TER 18KW

241 AMPS

57790 VA

5000 VA 3750 VA 6000 VA 2340 VA 0 VA 700 VA

15000 3750 36000 2340

HEATER 2 0/1

			B 40	39		
			A 38	37		
			В 36	35		
			A 34	33		
			В 32	31	ı	
			A 30	29		
			B 28	27	100/2*	(#3)
			A 26	25	•	
			B 24	23	100/2*	#3)
	SPACE FOR P.E.	į	A 22	21	30/1*	10)
		20/1	B 20	19	30/1*	10)
	SPARE	20/1	A 18	17	30/1*	10)
	SUPPLY FANS	20/1	B 16	15	30/1*	10)
	EXHAUST FANS	20/1	A 14	13	20/1	
AT 120/240		20/1	B 12	11	20/1	
		20/1	A 10	6	20/1	
		20/1	В 8	7	20/1	
WALL HE EF: 120		20/1	A 6	5	20/1	
DOTELS MECHANICAL:		20/1	B 4	3	20/1	
WATER HEATE	OUTLETS	20/1	A 2	-	20/1	JQ.
POBL EQ.	LOAD DESCRIPTION	CIRCUIT BREAKER AMP/POLE	. CKT. NO.	S S S S S S S S S S S S S S S S S S S	CIRCUIT BREAKER AMP/POLE	CRIPTION
LDADS AT PANELB	MOUNTING: SURF SECTION: 1	_ 0,		PHASE WIRE:		(KAIC): 22
LOAD SUM	PANEL: M		: 230	VOLTS:	MLO	¥(

(3) - 500 MCM + 6. IN 3-1/2" 3 1/0 CU GND TO BLDG WAIER SERVICE 9# (3) - 500 MCMIN 3-1/2" C. / $\overline{\mathbb{Z}}$ WP 400A 120/240V, 1 PH, 3W, METER

400A

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Anne Arundel County, MD SEASONAL SVIIM FACILITY CKONE CHAPPEL

MINCHE ZLEB HOWEZ

ISSUED FOR CONSTRUCTION

ADG, INC. COPYRICHT © ALEXANDRIA, VIRCINIA 22314
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(2) - 5/8" X 8' GND RODS AT 6' 0.C.

RISER DIAGRAM

POWER NO SCALE

SYMBOLS & NOTES

SELF POWERED

CCX SERIES EXIT LIGHTING -

LED LITE STIX

CCX-71-RWHDH - VS2

SURE-LITES

6

24" FLUORESCENT STRIP

20W, T8

SS-220-120V-EB81-U

METALUX

(8)

JCS ENGINEERING INC.
8605 WESTWOOD CENTER DR., SUITE 502
VIENNA, VIRGINIA 22182

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