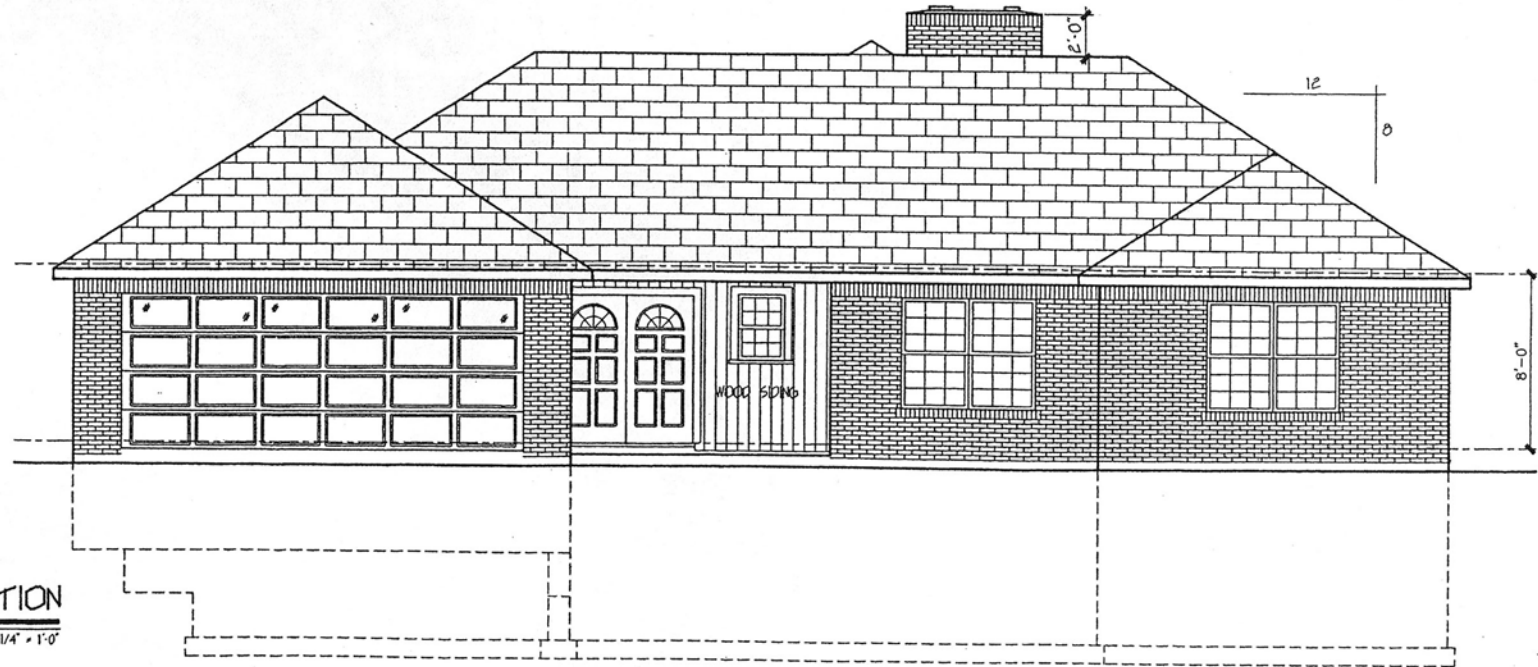
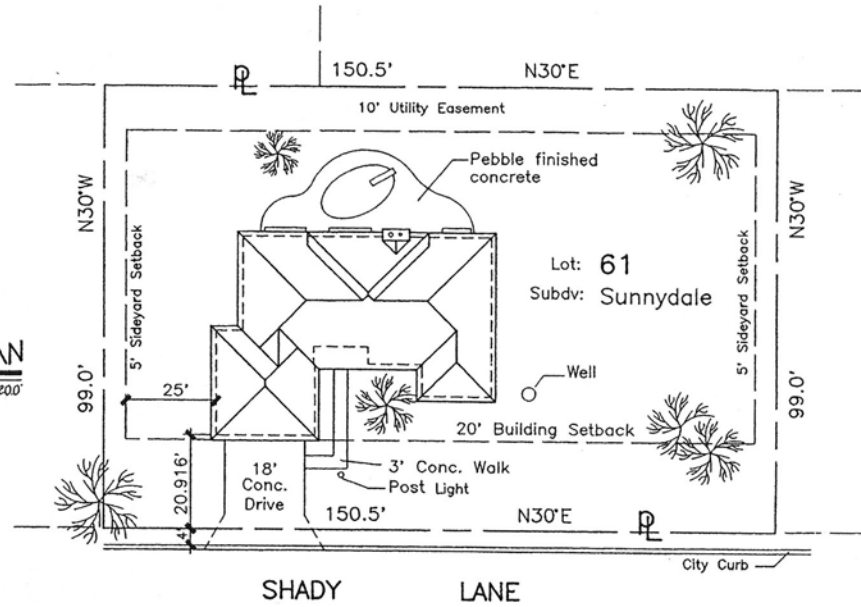


List of Drawings

- Sheet 1 of 10 Plot Plan; South Elevation
- Sheet 2 of 10 North Elevation; Window Schedule, Door Schedule
- Sheet 3 of 10 West Elevation; Room Finish Schedule
- Sheet 4 of 10 East Elevation; Interior Elevations
- Sheet 5 of 10 Basement Plan
- Sheet 6 of 10 Floor Plan
- Sheet 7 of 10 Section A-A
- Sheet 8 of 10 Electrical Basement Plan
- Sheet 9 of 10 Electrical First Floor Plan
- Sheet 10 of 10 Code Requirements for Swimming Pool Wiring



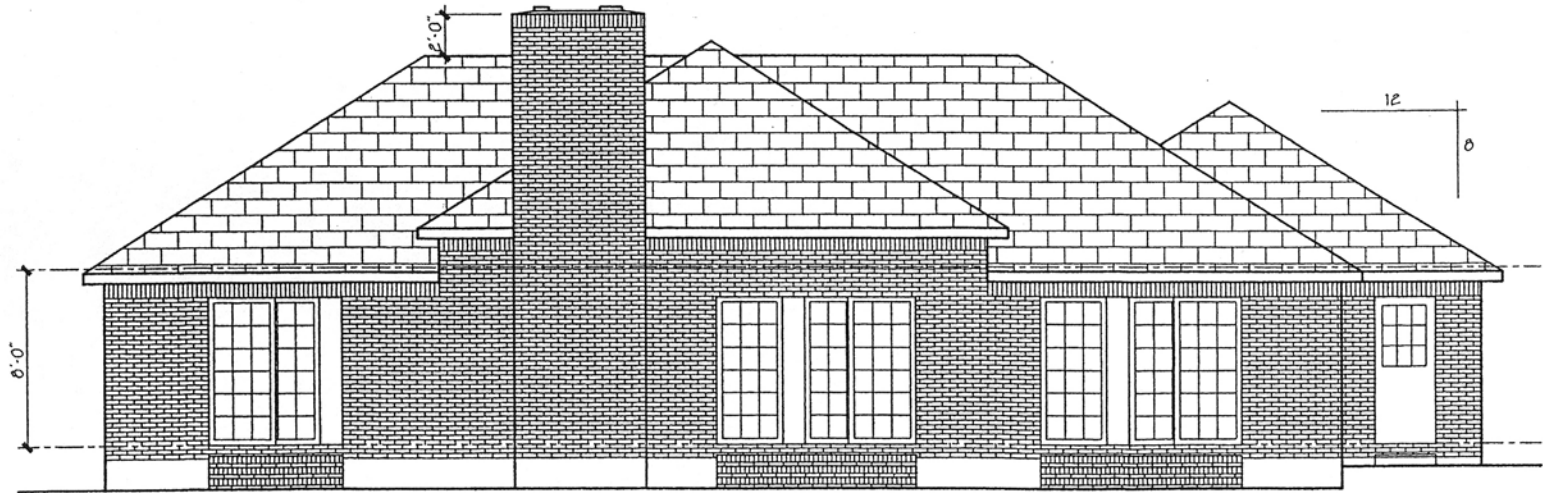
SOUTH ELEVATION
SCALE 1/4" = 1'-0"

WINDOW SCHEDULE

MARK	SIZE	DESCRIPTION	REMARKS
A	2'-0" X 4'-0"	SINGLE HUNG	ALL GLASS IN WINDOWS AND DOORS TO BE DOUBLE PANED.
B	3'-0" X 3'-0"	DOUBLE HUNG	
C	3'-0" X 5'-0"	DOUBLE HUNG	
D	3'-0" X 1'-0"	AWNING	

DOOR SCHEDULE

MARK	SIZE	DESCRIPTION	REMARKS
1	2 - 2'-0" X 6'-0" X 1 3/4"	DECORATIVE	W/ LIGHT
2	2'-0" X 6'-0" X 1 3/4"	EXTERIOR	W/ LIGHT
3	2'-0" X 6'-0" X 1 3/8"	HOLLOW CORE FLUSH	
4	2'-6" X 6'-0" X 1 3/8"	- - -	
5	2'-0" X 6'-0" X 1 3/8"	- - -	
6	3'-0" X 6'-0" X 1 1/8"	LOUVERED BI-FOLD	
7	4'-0" X 6'-0" X 1 3/4"	LOUVERED BI-FOLD	
8	5'-0" X 6'-0" X 1 1/8"	- - -	
9	6'-0" X 6'-0" X 1 1/8"	- - -	
10	5'-0" X 5'-6"	TUB ENCLOSURE	
11	6'-0" X 6'-0"	SLIDING GLASS (PATIO)	ALL GLASS UNITS TO BE DOUBLE PANED
12	9'-0" X 6'-0"	- - -	
13	10'-0" X 7'-0" X 1 3/4"	OVERHEAD	DEC. PANELS & LIGHTS

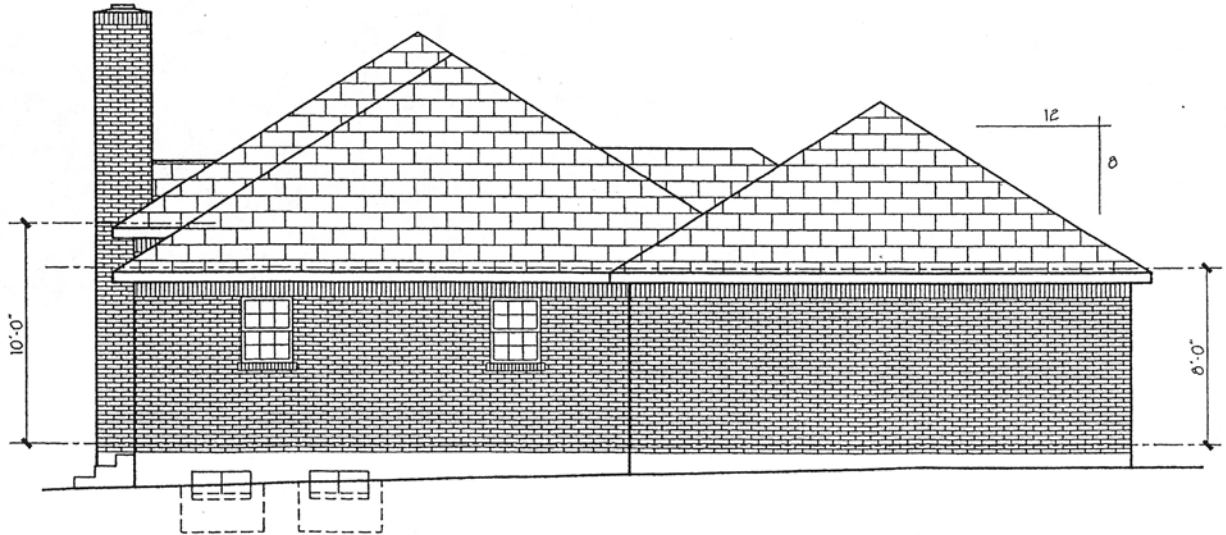


NORTH ELEVATION

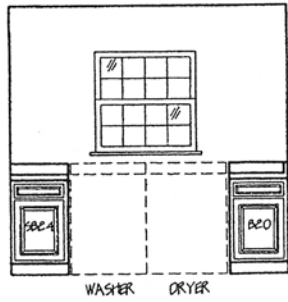
SCALE 1/4" = 1'-0"

ROOM FINISH SCHEDULE

ROOM	FLOORING				BASE		WALL						CEILING			REMARKS												
	SEAL CONC.	EXT. CARPET	SHEET VINYL	CARPET	CERAMIC TILE	CLAY TILE	HARDWOOD	SOFTWOOD	CERAMIC TILE	1/2" GYPSO	5/8" FR GYPSO	1/2" WR GYPSO	CERAMIC	PANLING	VINYL COVER		PAINTED	UNFINISHED	1/2" SOUND BO.	1/2" GYPSO	5/8" FR GYPSO	1/2" WR GYPSO	BLOWN ACQUIS.	PAINTED	1/2" SOUND BO.	EXP. BEAMS		
KITCHEN		X					X	X							X				X	X						X	NORTH	
LIVING ROOM			X				X								X				X	X							X	EAST
MASTER BED.			X				X			X					X				X	X							X	SOUTH
BATH			X				X			X					X				X	X							X	WEST
HALL			X				X			X					X				X	X								
HALL BATH		X					X		X	X					X				X	X								7' C.T. @ TUB
FRONT BEDROOM			X				X		X						X				X	X								
STUDY/BEDROOM			X				X							X	X				X	X								
ENTRY					X		X		X						X				X	X								
CLOSETS			X				X		X						X				X	X					X			
SERV. HALL		X	X				X		X						X				X	X								
LAUNDRY					X		X		X						X				X	X								
SERV. BATH			X				X		X					X					X	X								
GARAGE	X						X		X						X				X	X					X			
ATTIC																									X			
STAIRS			X				X		X						X				X	X								
RECREATION		X					X		X		X				X				X	X								SEAL CONC. WALLS
WORKSHOP		X					X		X		X				X				X	X								
PORCH	X														X				X	X								
PATIO/POOL	X														X				X	X								



WEST ELEVATION
SCALE 1/4" = 1'-0"



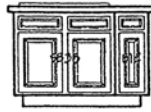
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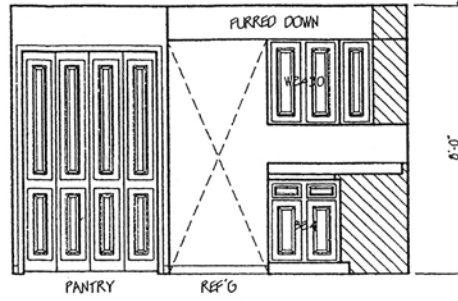
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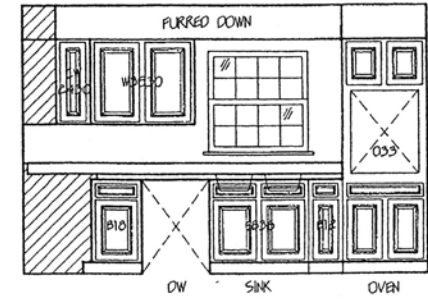
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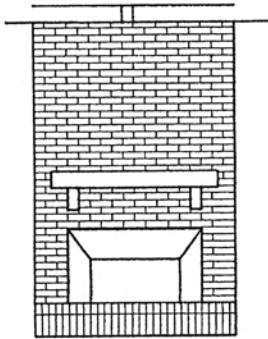
COOKTOP



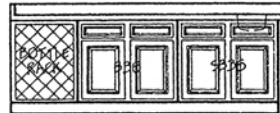
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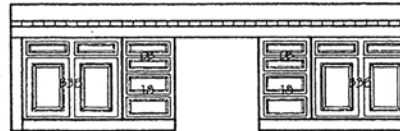
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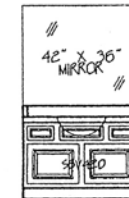
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8



9



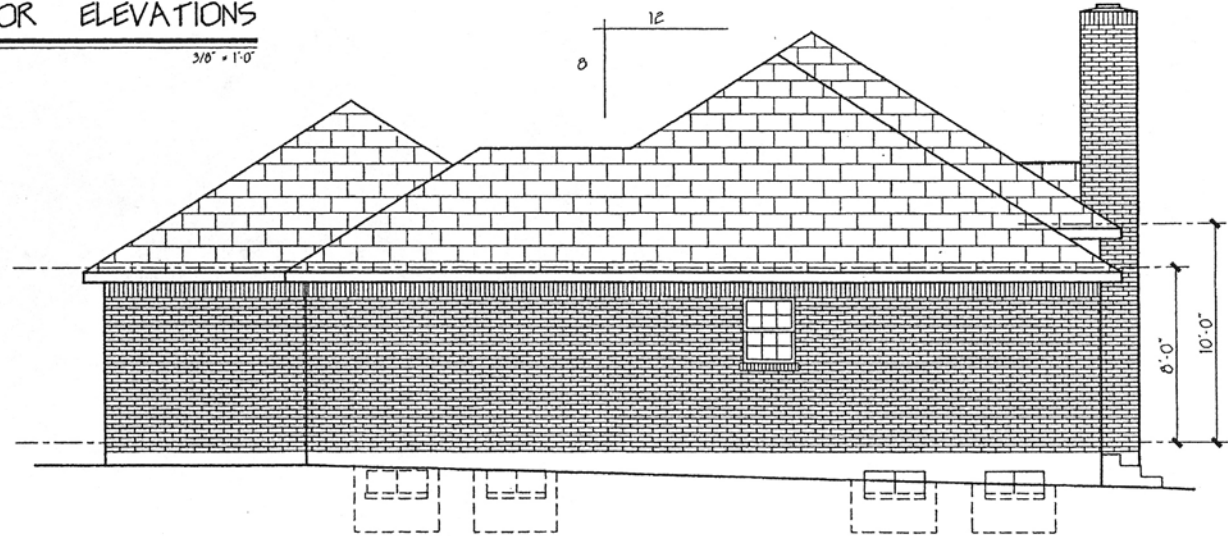
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11

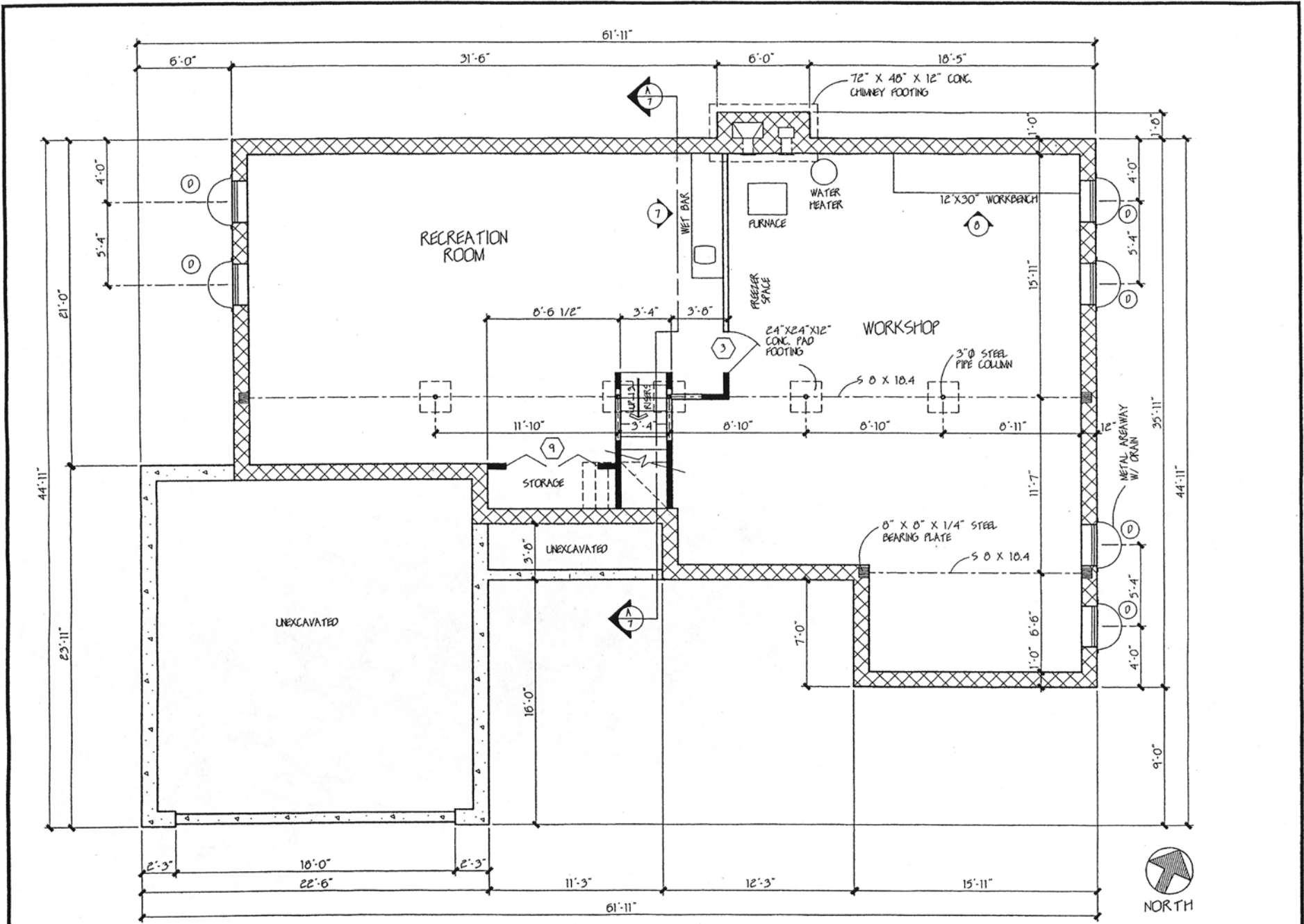
INTERIOR ELEVATIONS

SCALE 3/8" = 1'-0"



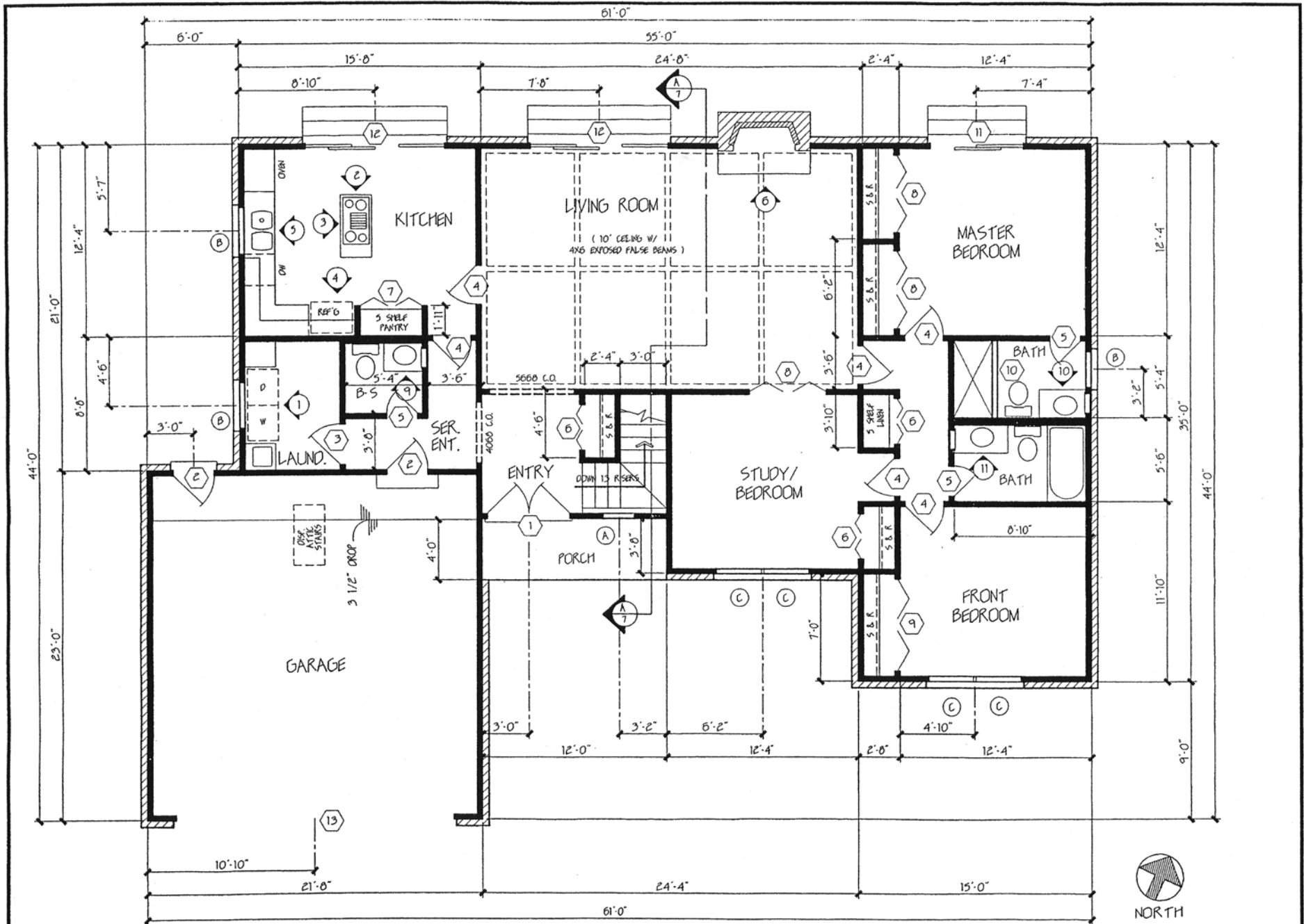
EAST ELEVATION

SCALE 1/4" = 1'-0"



BASEMENT PLAN

SCALE 1/4" = 1'-0"



FLOOR PLAN

SCALE 1/4" = 1'-0"

electrical wiring residential

PREPARED BY:

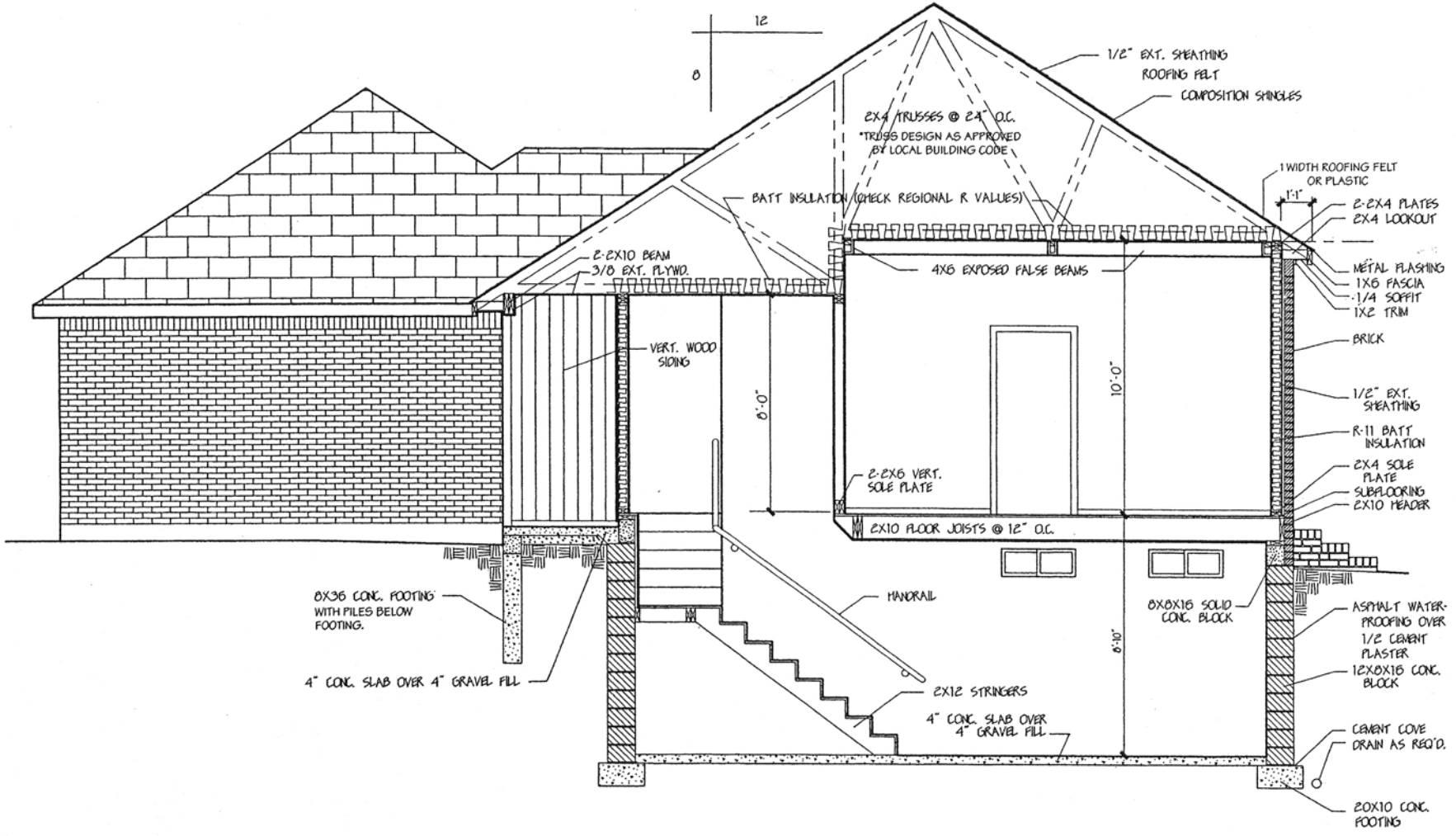
VARDY VINCENT

60 LAGUNA VISTA
SEGUIN, TX 78155

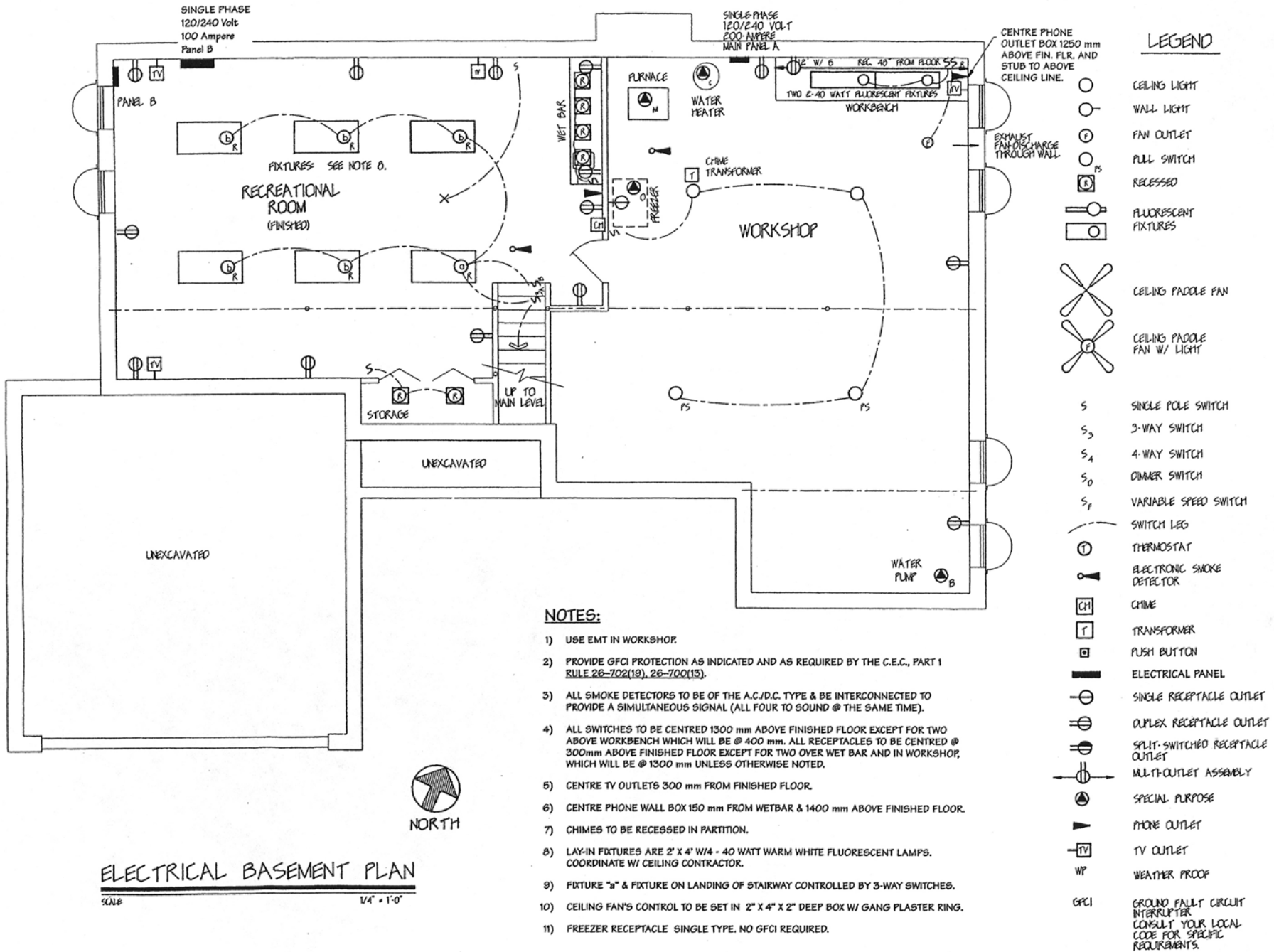
DATE:

PLAN NO.: 2883.89.1

6 of 10



SECTION A-A
 SCALE 3/8" = 1'-0"



LEGEND

- CEILING LIGHT
- WALL LIGHT
- FAN OUTLET
- PULL SWITCH
- RECESSED
- FLUORESCENT FIXTURES
- CEILING PADDOLE FAN
- CEILING PADDOLE FAN W/ LIGHT
- SINGLE POLE SWITCH
- 3-WAY SWITCH
- 4-WAY SWITCH
- DIMMER SWITCH
- VARIABLE SPEED SWITCH
- SWITCH LEG
- THERMOSTAT
- ELECTRONIC SMOKE DETECTOR
- CHIME
- TRANSFORMER
- PUSH BUTTON
- ELECTRICAL PANEL
- SINGLE RECEPTACLE OUTLET
- DUPLEX RECEPTACLE OUTLET
- SPLIT-SWITCHED RECEPTACLE OUTLET
- MULTI-OUTLET ASSEMBLY
- SPECIAL PURPOSE
- PHONE OUTLET
- TV OUTLET
- WEATHER PROOF
- GFCI GROUND FAULT CIRCUIT INTERRUPTER CONSULT YOUR LOCAL CODE FOR SPECIFIC REQUIREMENTS.

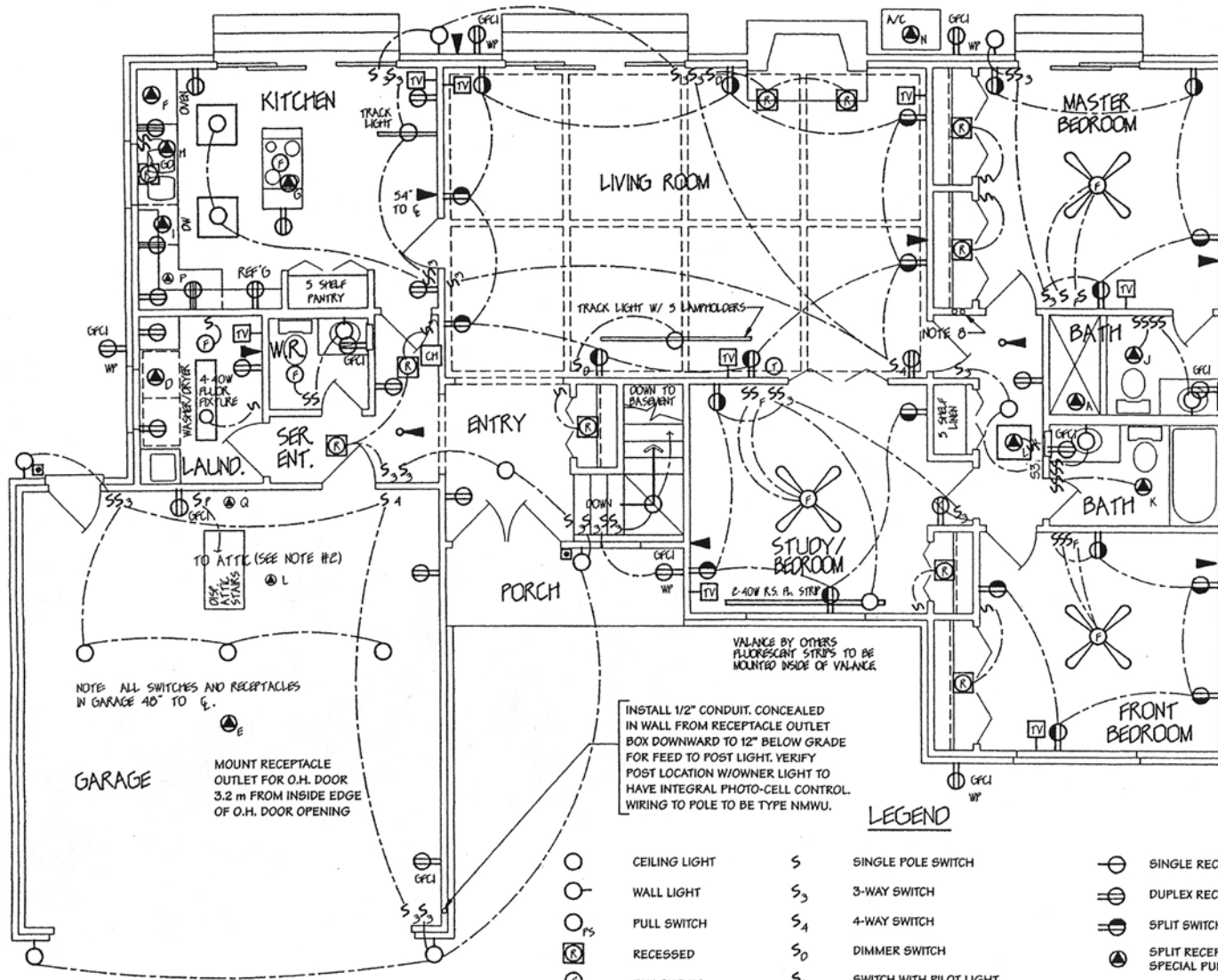
NOTES:

- 1) USE EMT IN WORKSHOP.
- 2) PROVIDE GFCI PROTECTION AS INDICATED AND AS REQUIRED BY THE C.E.C., PART 1 RULE 26-702(19), 26-700(13).
- 3) ALL SMOKE DETECTORS TO BE OF THE A.C./D.C. TYPE & BE INTERCONNECTED TO PROVIDE A SIMULTANEOUS SIGNAL (ALL FOUR TO SOUND @ THE SAME TIME).
- 4) ALL SWITCHES TO BE CENTRED 1300 mm ABOVE FINISHED FLOOR EXCEPT FOR TWO ABOVE WORKBENCH WHICH WILL BE @ 400 mm. ALL RECEPTACLES TO BE CENTRED @ 300mm ABOVE FINISHED FLOOR EXCEPT FOR TWO OVER WET BAR AND IN WORKSHOP, WHICH WILL BE @ 1300 mm UNLESS OTHERWISE NOTED.
- 5) CENTRE TV OUTLETS 300 mm FROM FINISHED FLOOR.
- 6) CENTRE PHONE WALL BOX 150 mm FROM WETBAR & 1400 mm ABOVE FINISHED FLOOR.
- 7) CHIMES TO BE RECESSED IN PARTITION.
- 8) LAY-IN FIXTURES ARE 2' X 4' W/4 - 40 WATT WARM WHITE FLUORESCENT LAMPS. COORDINATE W/ CEILING CONTRACTOR.
- 9) FIXTURE "a" & FIXTURE ON LANDING OF STAIRWAY CONTROLLED BY 3-WAY SWITCHES.
- 10) CEILING FAN'S CONTROL TO BE SET IN 2" X 4" X 2" DEEP BOX W/ GANG PLASTER RING.
- 11) FREEZER RECEPTACLE SINGLE TYPE. NO GFCI REQUIRED.

ELECTRICAL BASEMENT PLAN

SCALE 1/4" = 1'-0"





- NOTES:**
- 1) CENTRE OF WP RECEPTACLES TO BE 450 mm ABOVE FINISH GRADE. GENERAL CONTRACTOR TO SET BOXES HORIZONTAL IN MASONRY OR SIDING.
 - 2) PORCELAIN LAMP HOLDERS TO BE INSTALLED IN ATTIC ABOVE FOLDING STAIRS, KITCHEN, LIVING ROOM & MASTER BEDROOM. TOTAL 4. ATTIC EXHAUST FAN TO BE LOCATED IN GABLE TRUSS OF MAIN ROOF (▲ L).
 - 3) PROVIDE GFCI AS INDICATED.
 - 4) ALL SMOKE DETECTORS TO BE OF THE A.C./D.C. TYPE & BE INTERCONNECTED TO PROVIDE A SIMULTANEOUS SIGNAL (ALL FOUR TO SOUND AT THE SAME TIME).
 - 5) ALL SWITCHES 1300 mm TO ♂ FROM FINISH FLOOR. RECEPTACLE OUTLETS 300 mm TO ♂ FROM FINISH FLOOR. RECEPTACLE OUTLETS ABOVE COUNTER TOPS 1200 mm TO ♂.
 - 6) CENTRE TV OUTLETS 300 mm FROM FIN. FLOOR.
 - 7) CENTRE PHONE OUTLETS 300 mm FROM FIN. FLOOR UNLESS OTHERWISE NOTED.
 - 8) INSTALL TWO EMPTY 1/2" EMT RUN FROM BOTTOM EDGE OF WORKSHOP'S CEILING JOISTS THROUGH PARTITION BETWEEN HALL & BEDROOM CLOSET TO 300 mm ABOVE ATTIC'S JOISTS. SECURE BOTH FIRMLY AND CAP TOP ENDS.
 - 9) FLUORESCENT LIGHT ABOVE WINDOWS IN STUDY/BEDROOM TO BE MOUNTED INSIDE PREVIOUSLY INSTALLED VALANCE.
 - 10) CHIMES TO BE RECESSED IN PARTITION.

NOTE: ALL SWITCHES AND RECEPTACLES IN GARAGE 40" TO ♂.

MOUNT RECEPTACLE OUTLET FOR O.H. DOOR 3.2 m FROM INSIDE EDGE OF O.H. DOOR OPENING

INSTALL 1/2" CONDUIT, CONCEALED IN WALL FROM RECEPTACLE OUTLET BOX DOWNWARD TO 12" BELOW GRADE FOR FEED TO POST LIGHT. VERIFY POST LOCATION W/OWNER LIGHT TO HAVE INTEGRAL PHOTO-CELL CONTROL WIRING TO POLE TO BE TYPE NMWU.

VALANCE BY OTHERS FLUORESCENT STRIPS TO BE MOUNTED INSIDE OF VALANCE



DETAIL OF PADDLE FAN & LIGHT SWITCH IN STUDY & BEDROOMS. INSTALL SEPARATE 4" SQ. 2" DEEP BOX W/ 2-GANG PLASTER RING. INSTALL ADJACENT TO REGULAR LIGHT SWITCHES.



DETAIL OF SWITCH FOR EXHAUST FAN IN BEDROOM HALL. ON-OFF SWITCH PLUS 12-HOUR TIMER. INSTALL 4" SQ. 2" DEEP BOX W/ 2-GANG RING. INSTALL ADJACENT TO HALL LIGHT SWITCH.



DETAIL OF SWITCH ARRANGEMENT IN BATHROOMS.

LEGEND

- | | | | | | |
|---|----------------------|----------------|---------------------------|------|--|
| ○ | CEILING LIGHT | S | SINGLE POLE SWITCH | ⊖ | SINGLE RECEPTACLE OUTLET |
| ○ | WALL LIGHT | S ₃ | 3-WAY SWITCH | ⊖ | DUPLEX RECEPTACLE OUTLET |
| ○ | PULL SWITCH | S ₄ | 4-WAY SWITCH | ⊖ | SPLIT SWITCHED RECEPTACLE OUTLET |
| ⊖ | RECESSED | S ₀ | DIMMER SWITCH | ⊖ | SPLIT RECEPTACLE OUTLET SPECIAL PURPOSE (3-WIRE) |
| ⊖ | FAN OUTLET | S _P | SWITCH WITH PILOT LIGHT | ▶ | PHONE OUTLET |
| ⊖ | FLUORESCENT FIXTURES | S _V | VARIABLE SPEED SWITCH | TV | TV OUTLET |
| ⊖ | W/ LIGHT | — | SWITCH LEG | WP | WEATHER PROOF |
| ⊖ | W/ OUT LIGHT | ⊖ | THERMOSTAT | GFCI | GROUND FAULT CIRCUIT INTERRUPTER. CONSULT YOUR LOCAL CODE FOR SPECIFIC REQUIREMENTS. |
| ⊖ | PADDLE FANS | ⊖ | ELECTRONIC SMOKE DETECTOR | — | ELECTRICAL PANEL |
| | | Ch | CHIME | | |
| | | T | TRANSFORMER | | |
| | | □ | PUSH BUTTON | | |

ELECTRICAL, FIRST FLOOR PLAN

SCALE 1/4" = 1'-0"



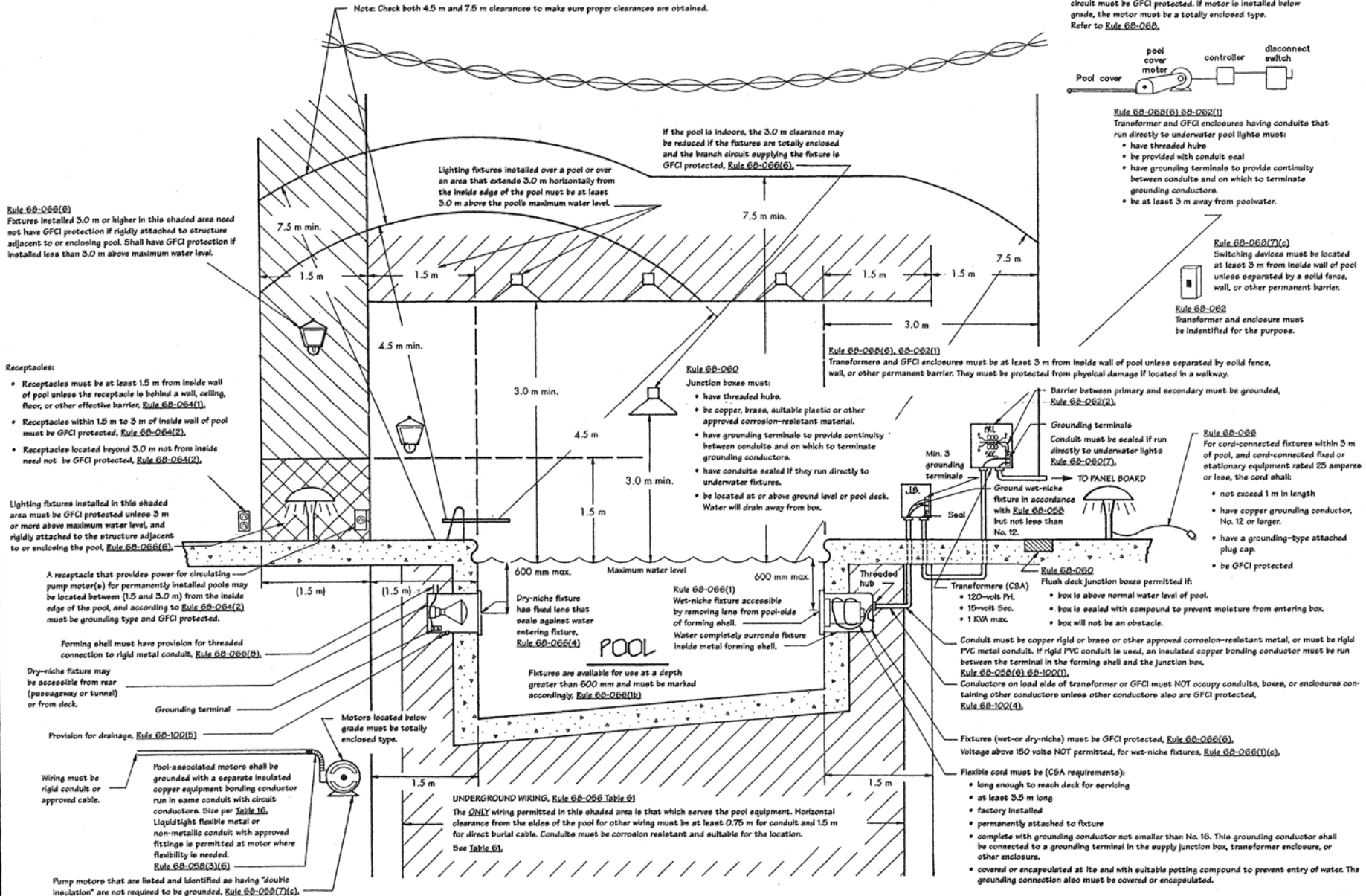
CODE REQUIREMENTS FOR SWIMMING POOL WIRING

OVERHEAD CONDUCTOR CLEARANCE, Rule 60-054 (Appendix B)

No wires permitted above pools, diving structures, observation stands, towers, platforms, or area over deck extending 3.0 m from inside edge of pool except for:

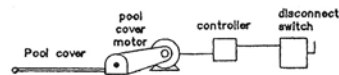
- (1) insulated communication conductors and neutral supported cables operating at no more than 750 volts to ground if they have a clearance of at least 4.5 m measured radially
- (2) other conductors operating at no more than 60 kV phase-to-phase if they have a clearance of at least 7.5 m measured radially

Note: Check both 4.5 m and 7.5 m clearances to make sure proper clearances are obtained.



CODE REQUIREMENTS FOR SWIMMING POOL WIRING

Electrically operated pool cover motors, controllers, and associated wiring shall be at least 3 m from inside edge of pool... unless separated by barrier. The motor and controller circuit must be GFCI protected. If motor is installed below grade, the motor must be a totally enclosed type. Refer to Rule 60-066.



- Rule 60-062(6) 60-062(1)**
Transformer and GFCI enclosures having conduits that run directly to underwater pool lights must:
- have threaded hubs
 - be provided with conduit seal
 - have grounding terminals to provide continuity between conduits and on which to terminate grounding conductors.
 - be at least 3 m away from poolwater.

Rule 60-068(7)(c)
Switching devices must be located at least 3 m from inside wall of pool unless separated by a solid fence, wall, or other permanent barrier.

Rule 60-062
Transformer and enclosure must be identified for the purpose.

Rule 60-062(6) 60-062(1)
Transformers and GFCI enclosures must be at least 3 m from inside wall of pool unless separated by solid fence, wall, or other permanent barrier. They must be protected from physical damage if located in a walkway.

- Rule 60-060**
Junction boxes must:
- have threaded hubs.
 - be copper, brass, suitable plastic or other approved corrosion-resistant material.
 - have grounding terminals to provide continuity between conduits and on which to terminate grounding conductors.
 - have conduits sealed if they run directly to underwater fixtures.
 - be located at or above ground level or pool deck.
 - Water will drain away from box.

Barrier between primary and secondary must be grounded, **Rule 60-062(2)**.

Grounding terminals
Conduits must be sealed if run directly to underwater lights **Rule 60-060(7)**.

- Rule 60-066**
For cord-connected fixtures within 3 m of pool, and cord-connected fixed or stationary equipment rated 25 amperes or less, the cord shall:
- not exceed 1 m in length
 - have copper grounding conductor, No. 12 or larger.
 - have a grounding-type attached plug cap.
 - be GFCI protected

- Transformers (CSA)
• 120-volt Pri.
• 15-volt Sec.
• 1 KVA max.
- Flush deck junction boxes permitted if:
- box is above normal water level of pool.
 - box is sealed with compound to prevent moisture from entering box.
 - box will not be an obstacle.

Conduits must be copper rigid or brass or other approved corrosion-resistant metal, or must be rigid PVC metal conduit. If rigid PVC conduit is used, an insulated copper bonding conductor must be run between the terminal in the forming shell and the junction box. **Rule 60-058(6) 60-100(1)**
Conductors on load side of transformer or GFCI must NOT occupy conduits, boxes, or enclosures containing other conductors unless other conductors also are GFCI protected, **Rule 60-100(4)**.

Fixtures (wet- or dry-niche) must be GFCI protected, **Rule 60-066(6)**.
Voltage above 150 volts NOT permitted, for wet-niche fixtures, **Rule 60-066(1)(c)**.

- Flexible cord must be (CSA requirements):
- long enough to reach deck for servicing
 - at least 3.5 m long
 - factory installed
 - permanently attached to fixture
 - complete with grounding conductor not smaller than No. 16. This grounding conductor shall be connected to a grounding terminal in the supply junction box, transformer enclosure, or other enclosure.
 - covered or encapsulated at its end with suitable potting compound to prevent entry of water. The grounding connection also must be covered or encapsulated.