ADDITIONS AND ALTERATIONS

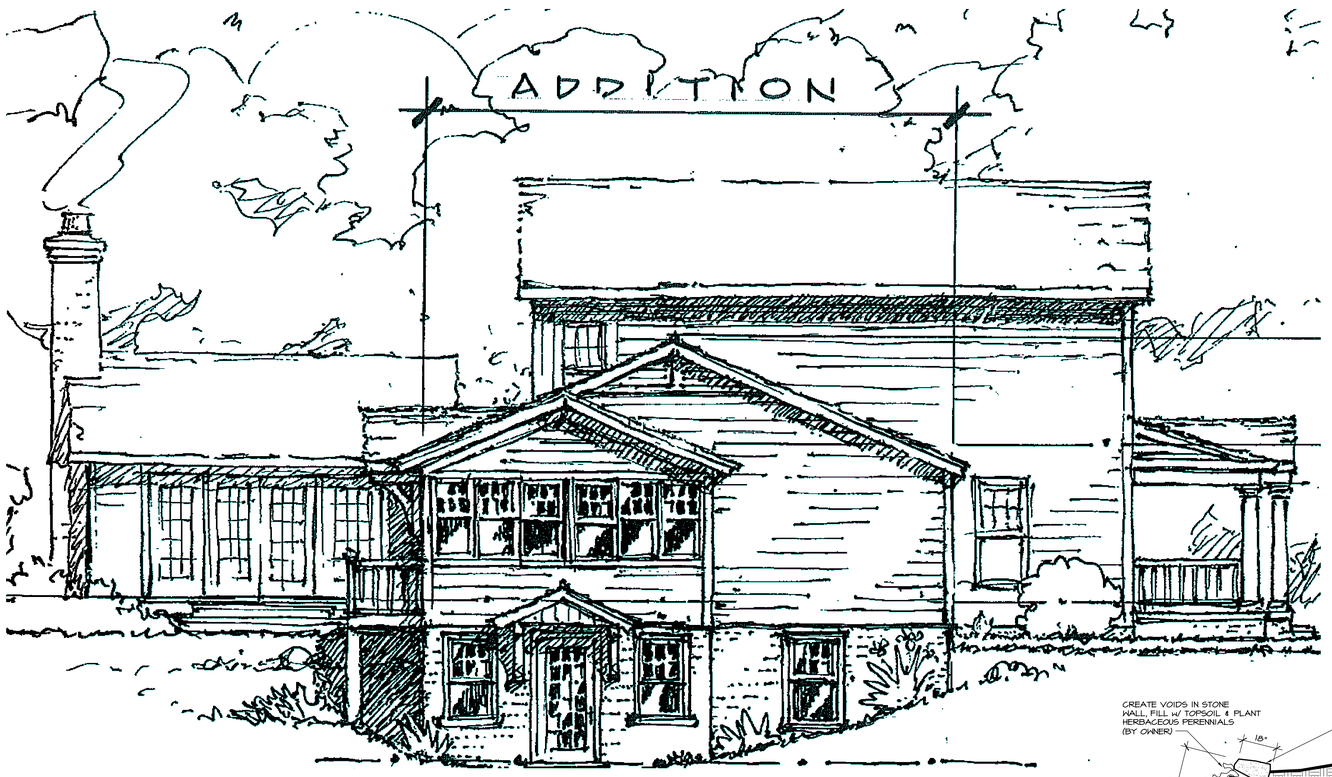
ZUCCARO RESIDENCE

OWNER: ZUCCARO
568 BARLOW ROAD
HUDSON, OHIO 44236
330-760-4173

ARCHITECT: ANTHONY PASKEVICH & ASSOCIATES
1708 EUCLID AVENUE
CLEVELAND, OHIO 44115
216-696-0916

STRUCTURAL ENGINEER: I.A. LEWIN & ASSOCIATES, INC.
4110 MAYFIELD ROAD, SUITE B
SOUTH EUCLID, OHIO 44121
216-291-3131

CONTRACTOR: PISTONE AND TESAURO
10090 QUEENS WAY
CHAGRIN FALLS, OHIO 44023
440-543-7130



DRAWING INDEX

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1	12 DECEMBER 2017	
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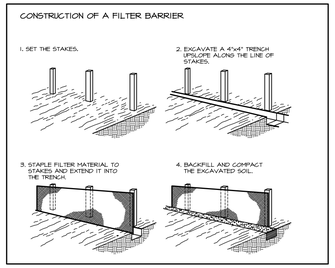
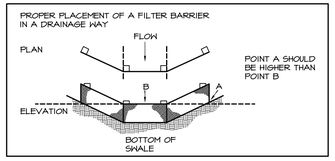




1 SILT FENCE
SEDIMENT / EROSION CONTROL
NO SCALE

GENERAL NOTES

1. DO NOT SCALE DRAWINGS. ALL DIMENSIONS ARE TAKEN FROM FACE OF MASONRY OR ROUGH FRAMING. CONTRACTOR TO VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO CONSTRUCTION AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
2. ALL INTERSECTING CONSTRUCTION SHOWN HEREON SHALL MEET AT 90 OR 45 DEGREE ANGLES (OR MULTIPLES THEREOF) UNLESS NOTED OTHERWISE.
3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES AND ORDINANCES.
4. GENERAL CONTRACTOR IS RESPONSIBLE FOR EPA'S LEAD-BASED PAINT RENOVATION, REPAIR, AND PAINTING PROGRAM ON STRUCTURES BUILT BEFORE 1978.
5. GENERAL CONTRACTOR IS RESPONSIBLE FOR OH/IL LAKE MICHIGAN AIR DIRECTORS CONSORTIUM - LADCO VOC REGULATIONS.
6. GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ASBESTOS CONTAINING MATERIALS PER OHIO ADMINISTRATIVE CODE 3745-20.
7. EACH CONTRACTOR IS TO VERIFY HIS PORTION OF THE WORK BEFORE BEGINNING AND VERIFY EXISTING CONDITIONS AS RELATED TO THE CONTRACT DOCUMENTS AND HIS CONTRACT. NOTIFICATION OF DISCREPANCIES BETWEEN CONTRACT DOCUMENTS AND EXISTING CONDITIONS SHALL BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING WITH WORK.
8. EACH CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE WRITTEN SPECIFICATIONS, AS THEY, ALONG WITH THE DRAWINGS, CONSTITUTE THE CONTRACT DOCUMENTS. ALL WORK SHALL CONFORM TO ALL INFORMATION AND INSTRUCTIONS CONTAINED IN THE CONTRACT DOCUMENTS.
9. ANY ITEMS, NECESSARY TO PERFORM THE FULL SCOPE OF WORK, NOT INDICATED IN THE CONTRACT DOCUMENTS SHALL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR PROVIDING THE ITEMS.
10. SAMPLES OF ALL FINISHES ARE TO BE SUBMITTED TO THE ARCHITECT & OWNER FOR APPROVAL.
11. ALL WORKMANSHIP IN THIS JOB SHALL BE FIRST QUALITY.
12. ALL MATERIAL USED IN THIS JOB SHALL BE OF THE BEST QUALITY IN THE PARTICULAR FIELD. MATERIALS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S DIRECTIONS, SPECIFICATIONS AND RECOMMENDATIONS.
13. THESE DESIGNS AND ALL ITEMS DEPICTED HEREIN, WHETHER IN WRITING OR GRAPHICALLY, AS INSTRUMENTS OF PROFESSIONAL SERVICE, MAY NOT BE ALTERED OR CHANGED IN ANY WAY, WITHOUT THE PRIOR KNOWLEDGE AND WRITTEN CONSENT OF THE ARCHITECT. ANY CHANGE MADE WITHOUT THE ARCHITECT'S WRITTEN APPROVAL WILL VOID ALL SUCH DOCUMENTS AND INSTRUMENTS AND THE ARCHITECT WILL NOT BE HELD PERSONALLY LIABLE FOR ANY DAMAGE, HARM OR LOSS CAUSED THEREBY.
14. THIS BUILDING IS CLASSIFIED AS SINGLE OCCUPANCY USE.
15. STRUCTURAL DESIGN LOADS ARE AS FOLLOWS:

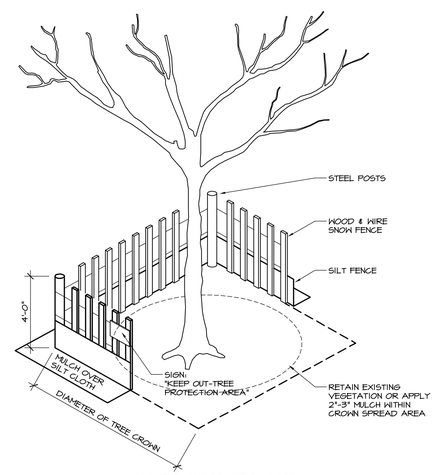
ROOF LIVE LOAD	25 PSF
ROOF DEAD LOAD	15 PSF
ATTIC FLOOR LIVE LOAD	20 PSF
ATTIC FLOOR DEAD LOAD	10 PSF
SECOND FLOOR LIVE LOAD	30 PSF
SECOND FLOOR DEAD LOAD	15 PSF
FIRST FLOOR LIVE LOAD	40 PSF
FIRST FLOOR DEAD LOAD	25 PSF
△ ≤	L/360 TOTAL LOAD
△ ≲	L/480 LIVE LOAD
△ <	L/600 LIVE LOAD FOR TILE FLOORS
DESIGN WIND CRITERIA	20 PSF

SITE NOTES

1. SITE PLAN INFORMATION BASED ON SURVEY PREPARED BY:
   SUMMIT COUNTY GIS
2. VERIFY ALL EXISTING & PROPOSED GRADES PRIOR TO CONSTRUCTION.
3. THE ARCHITECT HAS NOT BEEN PROVIDED WITH INFORMATION ABOUT OR IS AWARE OF THE LOCATION OF UNDERGROUND UTILITIES OR OTHER BURIED OBSTRUCTIONS. IT IS THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND THE EXCAVATOR TO VERIFY THE LOCATION OF ALL UTILITY LINES PRIOR TO DIGGING.
4. ALL EXCESS EXCAVATED EARTH & DEBRIS TO BE REMOVED OFF SITE.
5. CONTRACTOR SHALL PROVIDE ALL SEDIMENT/ EROSION CONTROL PER:
   SUMMIT COUNTY SOIL & WATER CONSERVATION DISTRICT
   2785 FRONT ST, Ste. D. CUYAHOGA FALLS, OHIO 44221
   PHONE: 216-424-2871
6. GENERAL CONTRACTOR TO STAKE OUT BUILDING CORNERS IN REFERENCE TO THE BENCH MARK PROVIDED. IN THE EVENT OF INSUFFICIENT INFORMATION, GENERAL CONTRACTOR TO PROVIDE REGISTERED SURVEYOR TO STAKE OUT CORNERS OF PROPERTY LINES AND BUILDING CORNER.

MATERIAL INDEX

CONCRETE MASONRY UNIT	ROUGH WOOD FRAMING
BRICK	WOOD BLOCKING
STONE	FINISH WOOD
SOLID MASONRY	BATT INSULATION
CONCRETE	RIGID INSULATION
PLYWOOD	STUD WALL W/ SOLID BEARING
STUD WALL	EXISTING WALL



2 TREE PROTECTION
NO SCALE
REMOVE PROTECTION DEVICES AFTER CONSTRUCTION WORK IS COMPLETED

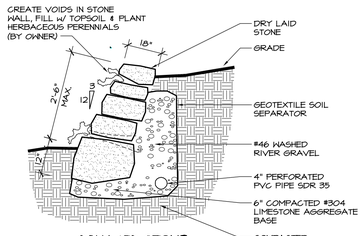
LINTEL SCHEDULE

WOOD LINTELS		STEEL LINTELS	
UP TO 3'	(2) 2x4 w/ 1/2" SPACER	UP TO 4'	3-1/2" x 3-1/2" x 1/4" L.L.V.
3' TO 4'	(2) 2x6 w/ 1/2" SPACER	4' TO 6'	5" x 3-1/2" x 5/16" L.L.V.
4' TO 6'	(2) 2x8 w/ 1/2" SPACER	6' TO 7'	6" x 3-1/2" x 5/16" L.L.V.
6' TO 8'	(2) 2x10 w/ 1/2" SPACER	7' TO 10'	W8x18 w/ 5/16" PLATE
8' TO 9'	(2) 2x12 w/ 1/2" SPACER		
OVER 9'-0" SEE STRUCTURAL ENG'R		OVER 10'-0" SEE STRUCTURAL ENG'R	

1. SEE PLANS FOR BOLT PATTERN OF STEEL ANGLE TO WOOD HEADER AT BRICK OR STONE VENEER LOCATIONS
2. ALL EXTERIOR STEEL ANGLES IN BRICK OR STONE ARE TO BE HOT-DIPPED GALVANIZED
3. PROVIDE 8" MINIMUM BEARING AT ALL STEEL LINTELS

SYMBOL INDEX

PROPERTY LINE	BUILDING SETBACK LINE
NEW CONTOUR	001 ROOM NUMBER
EXISTING CONTOUR	A DOOR TYPE
100.5 NEW SITE ELEVATION 102.34 EXISTING SITE ELEVATION	BUILDING ELEVATION
A / A- DETAIL CUT	A / A- SECTION CUT



3 DRY LAID STONE
RETAINING WALL
SCALE: 1/2" = 1'-0"

2009 IRC TABLE R301.2(1)
CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

GROUND SNOW LOAD	WIND DESIGN SPEED (mph)	WIND DESIGN TOPOGRAPHIC EFFECTS	SEISMIC DESIGN CATEGORY	SUBJECT TO DAMAGE FROM WEATHERING	SUBJECT TO DAMAGE FROM FROST LINE DEPTH	SUBJECT TO DAMAGE FROM TERMITE	WINTER DESIGN TEMP	ICE BARRIER UNDERLAYMENT REQUIRED	FLOOD HAZARDS	AIR FREEZING INDEX	MEAN ANNUAL TEMP
40 PSF	90	NO	A	SEVERE	3'-6"	SLIGHT TO MODERATE	5° F	YES	N/A	1144	48.3° F

2009 IECC TABLE R402.1.1
INSULATION AND FENESTRATION REQUIREMENT BY COMPONENT

CLIMATE ZONE	FENESTRATION U-FACTOR	SKYLIGHT U-FACTOR	GLAZED FENESTRATION SHGC	CEILING R-FACTOR	WOOD FRAME WALL R-FACTOR	MASS WALL R-FACTOR	FLOOR R-FACTOR	BASEMENT WALL R-VALUE	SLAB R-VALUE & DEPTH	CRAWL SPACE WALL R-VALUE
5	0.35	0.60	NR	38	20 OR 13+5	13 / 17	30	10 / 13	10, 2'-0"	10 / 13

STATE OF OHIO
ANTHONY PASKEVICH 5924
Registered Architects

ANTHONY PASKEVICH, LICENSE # 5924
EXPIRATION DATE: 12-31-17

DATES:

FOR PERMIT
1 REVISION 11 JANUARY 2018
3 REVISION 22 FEBRUARY 2018

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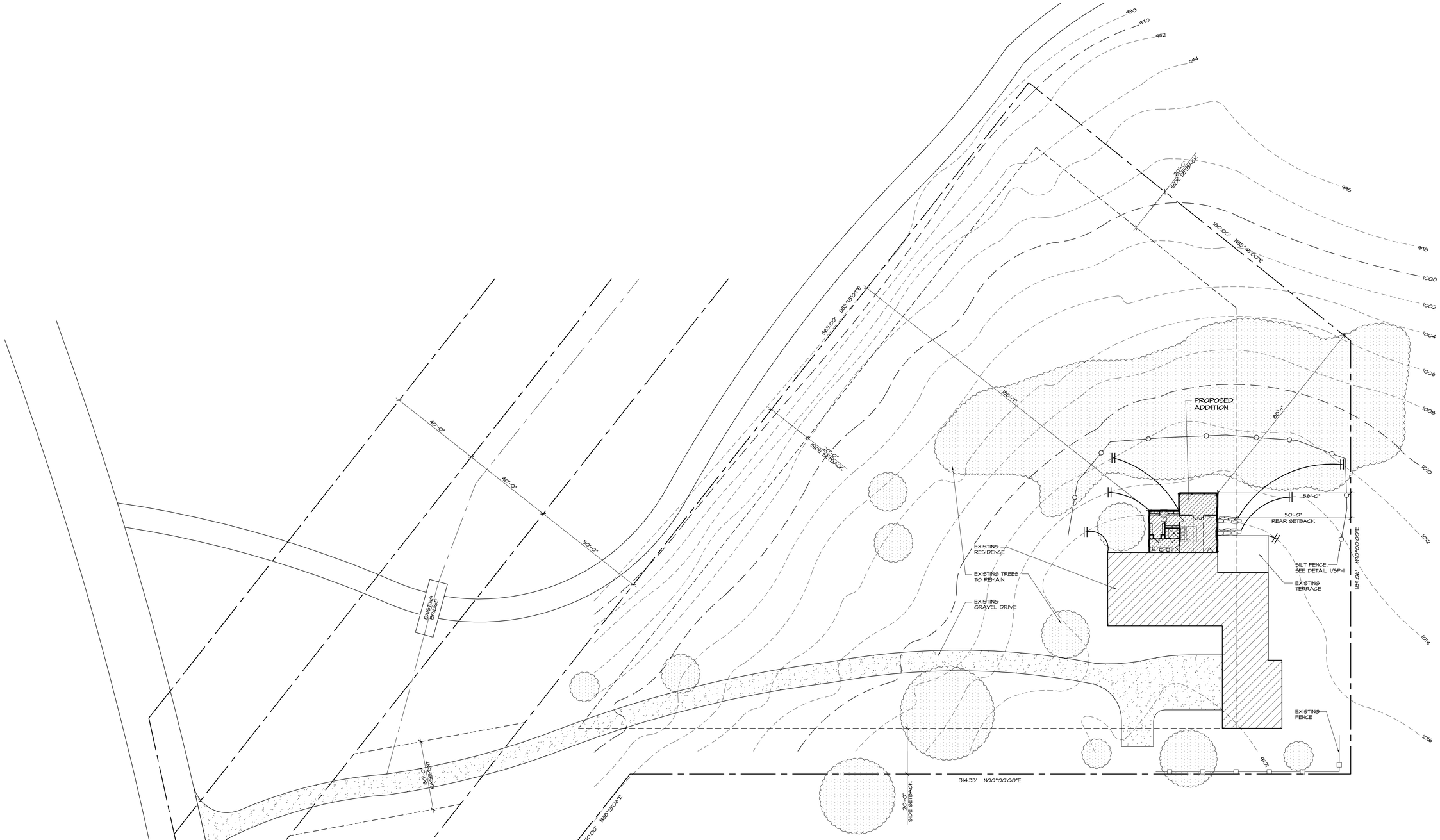
ADDITION & ALTERATIONS TO THE:
ZUCCARO RESIDENCE
568 BARLOW ROAD
HUDSON, OHIO 44236

PASKEVICH & ASSOCIATES ARCHITECTS®
CLEVELAND / CHICAGO
1708 EUCLID AVENUE
CLEVELAND, OHIO 44115
TELEPHONE: 216-696-0916
WWW.PASKEVICH.COM

COMM. No. 1744

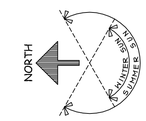
DRAWINGS THIS SHEET
TITLE SHEET

TS-1



SITE LOCATION MAP

N.T.S.



SITE PLAN

1.8725 ACRES

SCALE: 1" = 20'-0"

PPN: 3003758

SITE PLAN INFORMATION BASED ON SURVEY PREPARED BY:
SUMMIT COUNTY GIS

0 25 50 100

GRAPHIC SCALE
(IN FEET)

BUILDING LOCATION:

- PROVIDE ROUGH STAKE-OUT FOR OWNER APPROVAL PRIOR TO FINAL STAKE-OUT AND EXCAVATION.

THE ARCHITECT OF RECORD HAS NOT BEEN PROVIDED WITH INFORMATION ABOUT OR IS AWARE OF THE LOCATION OF UNDERGROUND, ABOVEGROUND AND OVERHEAD UTILITIES OR OTHER BURIED OBSTRUCTIONS. IT IS THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND THE EXCAVATOR TO VERIFY LOCATIONS AND PROVIDE PROTECTION FOR ALL EXISTING UTILITIES IN THE FIELD PRIOR TO CONSTRUCTION.

EXISTING 3 BEDROOM RESIDENCE NOW 4 BEDROOM RESIDENCE

FIRST SUBFLOOR ELEVATION:	1020.00'
TOP OF BLOCK (HOUSE):	1018.86'
BOTTOM OF FOOTING (HOUSE):	1011.53'
BASEMENT SLAB ELEVATION:	1010.20'

STATE OF OHIO
ANTHONY PASKEVICH 5924
Registered Architects

ANTHONY PASKEVICH, LICENSE # 5924
EXPIRATION DATE: 12-31-17

DATES:

PROGRESS PRINTS
OWNER REVIEW
9 AUGUST 2017
16 AUGUST 2017
23 AUGUST 2017
FOR STRUCTURE
6 SEPTEMBER 2017
FOR PERMIT
11 SEPTEMBER 2017
OWNER REVIEW
13 OCTOBER 2017
FOR PERMIT
30 OCTOBER 2017
REVISION
⚠1 12 DECEMBER 2017

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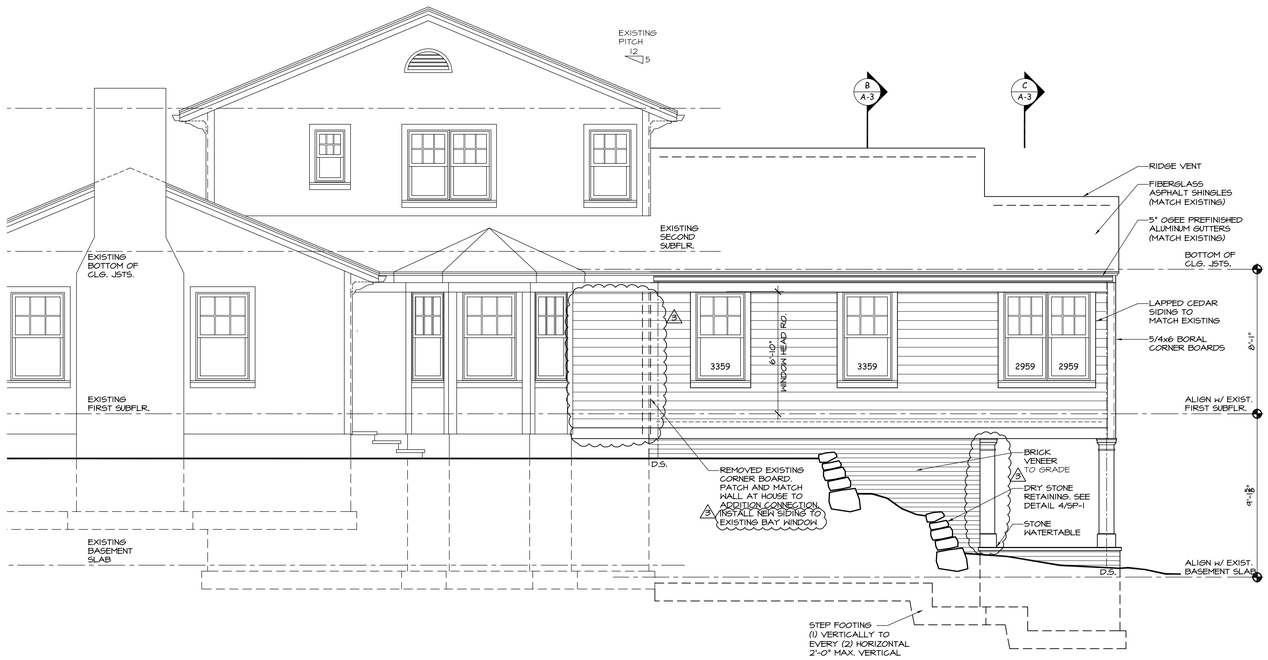
CLEVELAND / CHICAGO
1708 EUCLID AVENUE
CLEVELAND, OHIO 44115
TELEPHONE: 216-696 0916
WWW.PASKEVICH.COM

COMM. No. 1744

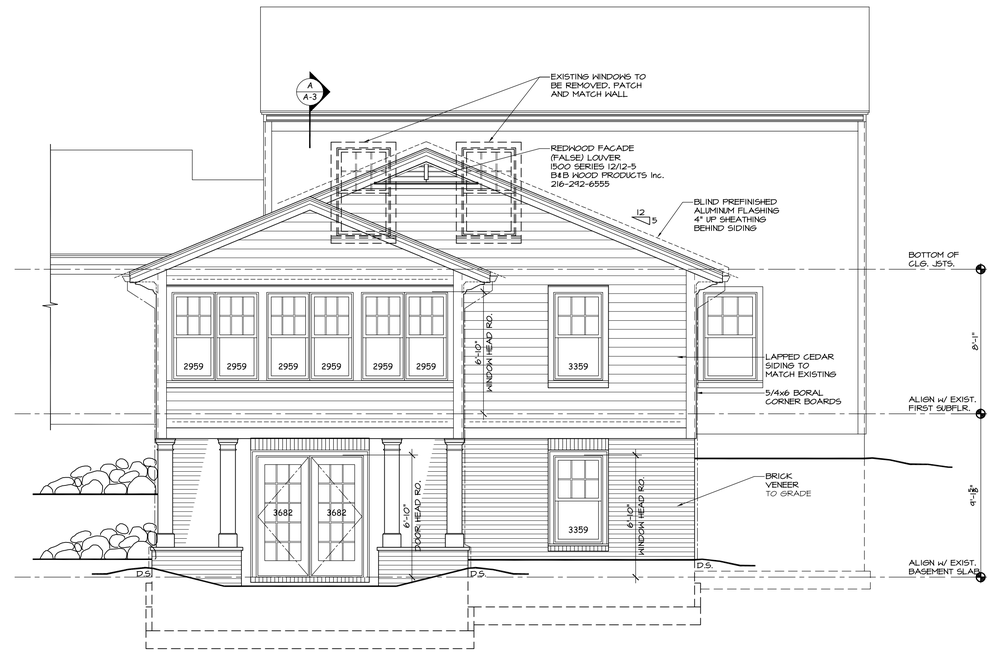
DRAWINGS THIS SHEET
SITE PLAN / SITE DETAILS

SP-1



SOUTH ELEVATION

SCALE: 1/4" = 1'-0"



EAST ELEVATION

SCALE: 1/4" = 1'-0"

0 5 10 20

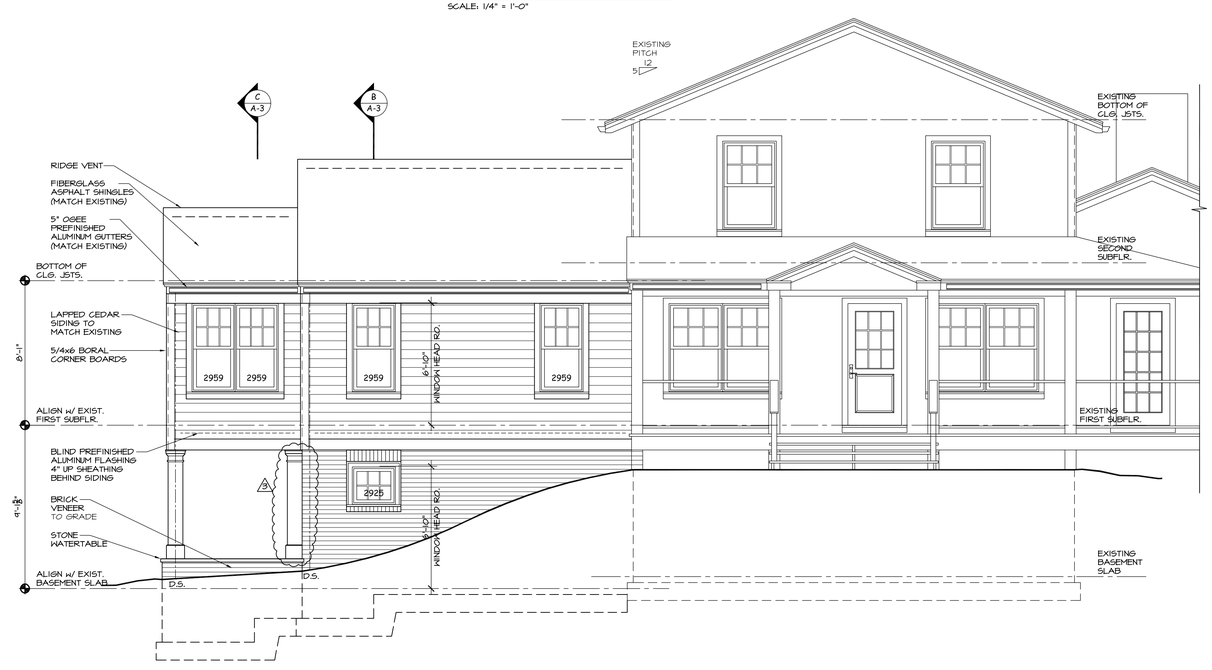
GRAPHIC SCALE (IN FEET)

EXTERIOR FINISH SCHEDULE

NAME	MATERIAL	TYPE	FINISH
ROOF	FIBERGLASS ASPHALT SHINGLES 40 YEAR	ELK PRESTIGUE PLUS HIGH DEFINITION SELF-SEALING CLASS A	HUNTER GREEN MATCH EXISTING
GUTTERS & DOWN SPOUTS	PREFINISHED ALUMINUM	5" OGEE	STOCK ALUMINUM COLOR MATCH EXISTING
FOUNDATION	4" BRICK VENEER TO GRADE	MATCH EXISTING	NATURAL
SIDING	LAPPED SIDING	MATCH EXISTING	MATCH EXISTING
TRIM	POLY-ASH COMPOSITE TRIM	BORAL TRUEXTERIOR TRIMBOARDS SUPPLIER: MARSH VALLEY FOREST PRODUCTS LTD. 440-632-1884	PAINTED MATCH EXISTING
BRACKET & HEAVY TIMBERS	WOOD	CEDAR	(2) COATS BLEACHING OIL #0241 CABOTS STAINS Inc.
WINDOWS	ALUMINUM CLAD	PELLA ARCHITECT SERIES	MATCH EXISTING
MAN DOOR	WOOD	B&B WOOD PRODUCTS Inc. BEDFORD HTS., OHIO 216-242-6555	MATCH EXISTING

EXTERIOR FINISH SCHEDULE NOTES:

1. SAMPLES OF ALL FINISHES ARE TO BE SUBMITTED TO THE ARCHITECT AND OWNER FOR APPROVAL.



NORTH ELEVATION

SCALE: 1/4" = 1'-0"

STATE OF OHIO
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Registered Architects

ANTHONY PASKEVICH, LICENSE # 5924
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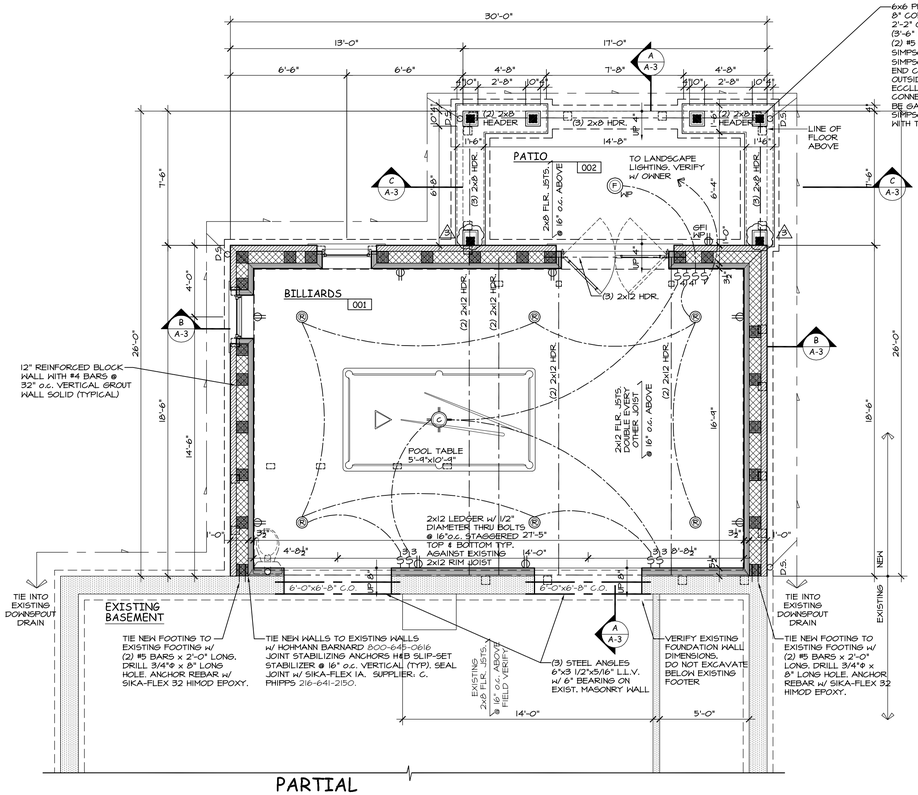
DRAWINGS THIS SHEET

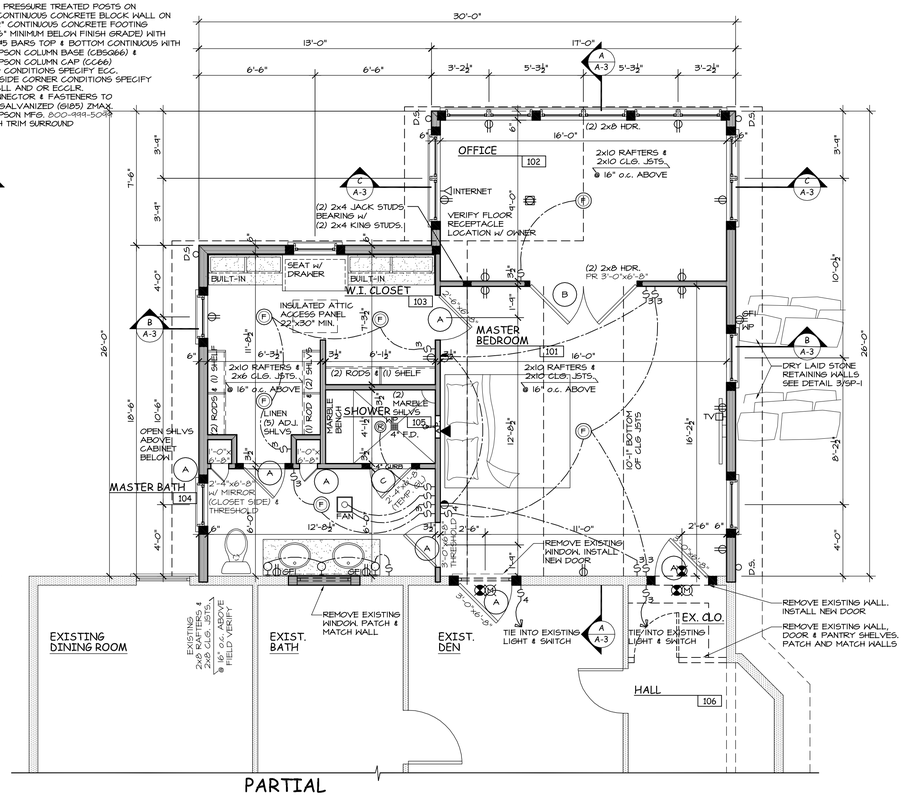
ELEVATIONS

EXTERIOR FINISH SCHEDULE

A-2



PARTIAL
BASEMENT/FOUNDATION PLAN
SCALE: 1/4" = 1'-0"



PARTIAL
FIRST FLOOR PLAN
FOOT PRINT: 688 SQFT.

SCALE: 1/4" = 1'-0"

0 5 10 20
GRAPHIC SCALE (IN FEET)

ELECTRICAL SYMBOLS LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER
C	DECORATIVE CHANDELIER OR PENDANT	VERIFY w/ OWNER AND DECORATOR
P	DECORATIVE FLUSH OR SEMIFLUSH CEILING MOUNT	VERIFY w/ OWNER AND DECORATOR
	DECORATIVE WALL MOUNTED LIGHT (SCONCE)	VERIFY w/ OWNER AND DECORATOR
R	RECESSED DOWNLIGHT	COOPER; HALO H1GAT-31OP
WP R	RECESSED WATERPROOF DOWNLIGHT	COOPER; HALO H1GAT-420P HALO H1GAT-11IP (INSULATED)
FAN	RECESSED INFRARED BULB HEATER & FAN	BROAN; MODEL #162
	SMOKE DETECTOR & ALARM	FIRST ALERT; SC4120B
	CARBON MONOXIDE DETECTOR & ALARM	FIRST ALERT; CO615
	TELEPHONE OUTLET	HUBBELL;
TV	TELEVISION SATELLITE / CABLE	HUBBELL;
INTERNET	DSL OR CABLE MODEM CONNECTION (VERIFY w/ OWNER)	HUBBELL;
	110V DUPLEX OUTLET (LOCATE IN BASEBOARD @ FIRST FLOOR ONLY)	LUTRON;
WP GFI	WEATHER PROOF 110V DUPLEX OUTLET	HUBBELL;
	110V DUPLEX OUTLET / SPLIT WIRED	LUTRON;
	110V DUPLEX OUTLET MOUNTED IN FLOOR	HUBBELL;
	SWITCH (TYPICAL 3'-8" A.F.F.)	LUTRON;
3	SWITCH (THREE WAY)	LUTRON;
4	SWITCH (FOUR WAY)	LUTRON;
GFI	GROUND FAULT INTERRUPT 3'-4" OR 3'-8" A.F.F.	PASS AND SEYMOUR;
WP	WEATHER PROOF	

ELECTRICAL NOTES:
- VERIFY LIGHTING LAYOUT w/ OWNER PRIOR TO INSTALLATION.
- CONTRACTOR TO VERIFY ALL COLORS AND MATERIALS FOR WIRING DEVICES, WALL PLATES, ETC. BEFORE INSTALLATION.
- PROVIDE AN ARC-FAULT CIRCUIT INTERRUPTER IN ALL ROOMS OF DWELLING.
- A SINGLE GROUND FAULT CIRCUIT INTERRUPTER SHALL NOT SERVE MORE THAN TWO ADDITIONAL RECEPTACLES AND THOSE AFFECTED RECEPTACLES SHALL BE LOCATED ON THE SAME FLOOR AND SERVE NO OTHER RECEPTACLES.
- SINGLE AND MULTI - STATION SMOKE ALARMS SHALL BE INSTALLED IN THE FOLLOWING LOCATIONS; IN EACH SLEEPING ROOM, OUTSIDE OF EACH SEPARATE SLEEPING AREA AND ON EACH STORY OF A DWELLING. THEY SHALL BE 120 VOLT PRIMARY AND BATTERY BACK - UP POWERED AND INTERCONNECTED.
- PROVIDE FLOOR MOUNTED RECESSED DUPLEX OUTLET / SPLIT WIRED TO BE LOCATED IN THE FIELD WITH OWNER.
- BATH COUNTER OUTLETS TO BE LOCATED 3'-4" A.F.F.
- WALL MOUNTED SCONCE @ BATH ROOM VANITY TO BE LOCATED 5'-6" A.F.F. LOCATED 18" EACH SIDE OF SINK CENTER LINE. TYPICAL U.N.O.
- SWITCH PLATES TO BE LOCATED 4'-0" A.F.F. SEE INTERIOR ELEVATIONS FOR WAINSCOT HEIGHTS. ADJUST HEIGHT OF SWITCH PLATE AS NEEDED.
- FIRST FLOOR OUTLET TO BE LOCATED IN THE BASEBOARD.
- BASEMENT OUTLETS TO BE LOCATED 1'-0" A.F.F.
- ANY ROOM THAT HAS WAINSCOT, OUTLETS TO BE LOCATED IN THE BASEBOARD. SEE INTERIOR ELEVATIONS. ADJUST HEIGHT OF SWITCH PLATE AS NEEDED.
- PROVIDE DSL OR CABLE MODEM FOR INTERNET CONNECTION. VERIFY TYPE AND LOCATION OF CONNECTION WITH OWNER.
- ALL RECESSED DOWN LIGHTS AND RECESSED WALL WASHERS TO BE ON DIMMER SWITCHES. VERIFY WITH OWNER.
- VERIFY LOCATION AND SIZE OF EXISTING MAIN PANEL.
- PROVIDE ADDITIONAL ELECTRIC SERVICE AS SHOWN ON DRAWINGS. VERIFY EXISTING AND OWNERS REQUIREMENTS PRIOR TO CONSTRUCTION.

STRUCTURAL NOTES:
- PROVIDE (2) 2x RAFTERS AS INDICATED ON PLAN. IN ADDITION, PROVIDE (2) 2x RAFTERS @ 16" o.c. WHEN RAFTER SPAN IS 18'-0" OR GREATER.
- PROVIDE DOUBLE RAFTERS AT ALL HIPS AND VALLEYS.
- PROVIDE TWO (2) 2x JACK STUDS UNDER EACH HEADER END AT BEARING LOCATIONS PLUS (1) KING STUD. (U.N.O.)
- PROVIDE DOUBLE FLOOR JOISTS UNDER ALL WALLS PARALLEL TO FLOOR FRAMING. (U.N.O.)
- PROVIDE SIMPSON 'HW' OR EQUAL BEAM HANGERS AT ALL FLUSH WOOD BEAM TO WOOD BEAM CONNECTIONS. ALL EXTERIOR CONNECTOR & FASTENERS TO BE HOT-DIPPED GALVANIZED (6185) ZMAX. PAINT ALL EXPOSED HANGERS FLAT BLACK.
- ALL EXTERIOR STEEL ANGLES IN BRICK OR STONE ARE TO BE HOT-DIPPED GALVANIZED 6185 OR EQUIVALENT.
- ALL EXTERIOR FASTENERS TO BE HOT-DIPPED GALVANIZED 6185 OR EQUIVALENT.
- WINDOW AND DOOR BOX HEADERS TO HAVE STIFFENERS @ 16" o.c. GLUE & NAILED.
- CUT JOINTS FOR SLABS ON GRADE A MAXIMUM OF 12'-0" o.c. UNLESS NOTED OTHERWISE ON CONTRACT DOCUMENTS. CUT JOINTS WITHIN 8 (EIGHT) HOURS AFTER PLACING CONCRETE.

BASEMENT NOTE:
- COORDINATE THESE NOTES WITH THE ARCHITECTURAL "FOUNDATION" NOTES.
- DO NOT SCALE DRAWINGS. ALL DIMENSIONS ARE TAKEN FROM FACE OF MASONRY OR ROUGH FRAMING. CONTRACTOR TO VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO CONSTRUCTION AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- TYPICAL FOOTING 1'-0"x1'-8" CONTINUOUS CONCRETE FOOTING WITH TWO (2) #5 BARS CONTINUOUS AT 12" BLOCK WALLS AND 10"x1'-4" CONTINUOUS CONCRETE FOOTING WITH TWO (2) #5 BARS CONTINUOUS AT 8" BLOCK WALL U.N.O.
- FOOTING DESIGNED FOR FIRM, UNDISTURBED EARTH WITH BEARING CAPACITY OF 2000 P.S.F. VERIFY PRIOR TO CONSTRUCTION.
- 12 COURSE (OR LESS) REINFORCED BASEMENT WALL w/ #4 BARS FULL HEIGHT @ 32" o.c. w/ #4 FOOTING DOWELS 48" LONG WITH 12" BENT LEG IMBEDDED 6" IN FOOTING @ 32" o.c. GROUT CORES SOLID WHERE REINFORCING OCCURS. MINIMUM BAR LENGTH OF 4'-0" w/ MINIMUM OVERLAP OF 16" TO FORM MONOLITHIC STRUCTURE IF CONTINUOUS BAR IS NOT USED. LOCATE REINFORCING 2" FROM INSIDE FACE OF MASONRY.
- (6041.5.2 GROUTED HOLLOW UNIT MASONRY - OF RESIDENTIAL CODE OF OHIO FOR ONE, TWO & THREE FAMILY DWELLING CODE - LATEST EDITION. CLEANOUTS SHALL BE PROVIDED AT THE BOTTOM COURSE OF EACH CELL TO BE GROUTED AT EACH POUR OF GROUT. INSPECTION DURING GROUTING SHALL BE PROVIDED BY PASKEVICH & ASSOC. AND LOCAL BUILDING OFFICIAL WHERE REQUIRED.
- PROVIDE SOLID MASONRY WALL UNDER ALL BEAM BEARING LOCATIONS; 8" STEEL BEAM, 4" LINTELS.
- PROVIDE SOLID BLOCKING BETWEEN JOISTS TO FOUNDATION WALL OR BEAM UNDER ALL POST LOADS FROM ABOVE.
- DIRECTION OF DOWNSPOUT AND FOOTING DRAIN SHOWN SCHEMATICALLY FOR CLARITY.
- POTABLE WATER DISTRIBUTION SYSTEMS SHALL HAVE A BACK - FLOW PREVENTION DEVICE AND AN EXPANSION TANK INSTALLED. IF THE WATER PRESSURE EXCEEDS 80 lbs., A PRESSURE REDUCING DEVICE SHALL BE INSTALLED. 2000 OPC
- ENERGY CONSERVATION MEASURES FOR ONE, TWO AND THREE - FAMILY DWELLINGS SHALL COMPLY WITH THE OBC CH. 13.
- TIE INTO & REWORK EXISTING SYSTEMS.
- TIE NEW WALLS TO EXISTING WALLS WITH HOHMANN BARNARD 800-645-0616 JOINT STABILIZING ANCHORS H@B SLIP-SET STABILIZER @ 16" o.c. VERTICAL (TYP). SEAL JOINT WITH SIKA-FLEX 1A. SEALANT SUPPLIER: C. PHIPPS 216-641-2150.
- EXTEND EXISTING MECHANICAL SYSTEM INTO NEW SPACE. DUCTS TO BE CLEANED (VACUUMED) AFTER WORK IS PERFORMED. BALANCE SYSTEM UPON COMPLETION.
- PROVIDE DUST PROTECTION TO EXISTING HOME AS WORK IS BEING PERFORMED.
- FIELD VERIFY JOIST SPAN, SIZE & DIRECTION NOTIFY ARCHITECT IF DIFFERENT THAN SHOWN.

ROOM FINISH SCHEDULE

	RM No.	ROOM NAME	FLOOR MATERIAL	FLOOR FINISH	NORTH MATERIAL	NORTH FINISH	EAST MATERIAL	EAST FINISH	SOUTH MATERIAL	SOUTH FINISH	WEST MATERIAL	WEST FINISH	TRIM TYPES	TRIM MATERIAL	TRIM FINISH	CEILING HEIGHT	CEILING MATERIAL	CEILING FINISH	REMARKS
BASEMENT	101	BILLIARDS	TILE		GYPSUM BOARD	PAINTED	GYPSUM BOARD	PAINTED	GYPSUM BOARD	PAINTED	GYPSUM BOARD	PAINTED	--	POPLAR	PAINTED	8'-1 1/8"	GYP. BD.	PAINTED	
	108	PATIO	STONE FLOOR	ASHLAR PATTERN										BORAL	PAINTED	8'-8 1/2"	1x6 "V" JOINT T&G	BORAL PAINTED	1x6 "V" JOINT T&G BOARD #60007 BY P&T MILLWORK SEE EXTERIOR TRIM TYPES
FIRST FLOOR	101	MASTER BEDROOM	R.W.W. OAK	STAINED & VARNISHED	GYPSUM BOARD	PAINTED	GYPSUM BOARD	PAINTED	GYPSUM BOARD	PAINTED	GYPSUM BOARD	PAINTED	--	POPLAR	PAINTED	VARIES	GYP. BD.	PAINTED	
	102	OFFICE	R.W.W. OAK	STAINED & VARNISHED	GYPSUM BOARD	PAINTED	GYPSUM BOARD	PAINTED	GYPSUM BOARD	PAINTED	GYPSUM BOARD	PAINTED	--	POPLAR	PAINTED	8'-0 3/8"	GYP. BD.	PAINTED	
	103	W.I. CLOSET	R.W.W. OAK	STAINED & VARNISHED	GYPSUM BOARD	PAINTED	GYPSUM BOARD	PAINTED	GYPSUM BOARD	PAINTED	GYPSUM BOARD	PAINTED	--	POPLAR	PAINTED	8'-0 3/8"	GYP. BD.	PAINTED	
	104	MASTER BATH	TILE		GYP. BD. WAINSCOT	PAINTED	GYP. BD. WAINSCOT	PAINTED	GYP. BD. WAINSCOT	PAINTED	GYP. BD. WAINSCOT	PAINTED	--	POPLAR	PAINTED	8'-0 3/8"	GYP. BD.	PAINTED	
	105	SHOWER	TILE		TILE		TILE		TILE		TILE		--	--	--	8'-0 3/8"	GYP. BD.	PAINTED	
	106	HALL	R.W.W. OAK	STAINED & VARNISHED	GYPSUM BOARD	PAINTED	GYPSUM BOARD	PAINTED	GYPSUM BOARD	PAINTED	GYPSUM BOARD	PAINTED	--	POPLAR	PAINTED	8'-0 3/8"	GYP. BD.	PAINTED	PATCH AND MATCH EXISTING

ROOM FINISH NOTES:
1. SEE ARCHITECTURAL NOTES, "INTERIOR WALLS AND CEILINGS" ON SHEET A-4.
2. VERIFY ALL FINISHES w/ OWNER AND INTERIOR DECORATOR PRIOR TO CONSTRUCTION.

PLUMBING FIXTURE SCHEDULE

VERIFY w/ OWNER PRIOR TO ORDERING

	RM No.	ROOM NAME	FIXTURE TYPE	FIXTURE NAME	FIXTURE NUMBER	FIXTURE COLOR/FIN.	FIXTURE MANUFACTURER	TRIM & FITTINGS TYPE	TRIM & FITTINGS NAME	TRIM & FITTINGS NUMBER	TRIM & FITTINGS COLOR/FIN.	TRIM & FITTINGS MANUFACTURER	REMARKS
FIRST FLOOR	104	MASTER BATH	SINK	CAXTON	K-2211-G-0	WHITE	KOHLER	FAUCET	ANTIQUE	K-108-3-CP	POLISHED CHROME	KOHLER	GRANITE TOP & SPLASH HARDWARE K-7605-P-CP, K-8498-CP
			SINK	CAXTON	K-2211-G-0	WHITE	KOHLER	FAUCET	ANTIQUE	K-108-3-CP	POLISHED CHROME	KOHLER	GRANITE TOP & SPLASH HARDWARE K-7605-P-CP, K-8498-CP
			TOILET	WELLWORTH	K-3575	WHITE	KOHLER	SEAT/COVER	LUSTRA	K-4662	WHITE	KOHLER	ANTIQUE TRIP LEVER K-16151-4A-CP, K-7639
	105	SHOWER	SHOWERHEAD	ARCHER	K-T51107B-4	POLISHED CHROME	KOHLER	FAUCET	ARCHER	INCLUDED	POLISHED CHROME	KOHLER	TRIM K-146-0, VALVE K-2971-K5 DRAIN K-4136-BV; CUSTOM TEMPERED GLASS DOOR

VERIFY W/ OWNER PRIOR TO ORDERING

PLUMBING NOTES:
1. PROVIDE AND INSTALL POLISHED CHROME BATHROOM ACCESSORIES (TOWEL BAR, TOWEL RING, TOILET PAPER HOLDER, ETC.) ANTIQUE SERIES BY KOHLER. VERIFY LOCATION WITH OWNER PRIOR TO CONSTRUCTION, PROVIDE SOLID WOOD BLOCKING AT ALL LOCATIONS.
2. VERIFY MOUNTING HEIGHTS WITH OWNER PRIOR TO INSTALLATION;
   - SHOWER HEAD - 75"
   - SHOWER CONTROLS - 48"
   - MARBLE SHOWER SEAT - 18"
   - (2) MARBLE SHELVES - 36" AND 52"
3. VERIFY SELECTION AND FINISH w/ OWNER PRIOR TO ORDERING.

SQUARE FOOTAGE SUMMARY

FINISHED FIRST FLOOR	683 SQFT.
FINISHED BASEMENT	555 SQFT.
TOTAL FINISHED AREA	1,238 SQFT.
PORCHES	101 SQFT.

WALL LEGEND
- EXISTING WALLS TO REMAIN
- NEW STUD WALLS
- NEW C.M.U. WALLS
- NEW CONCRETE WALLS

STRUCTURAL LEGEND
- BEARING WALL
- BEARING WALL ABOVE
- POST LOAD
- POST LOAD ABOVE
- LINE OF STEEL BEAM
- LINE OF WOOD BEAM

STATE OF OHIO
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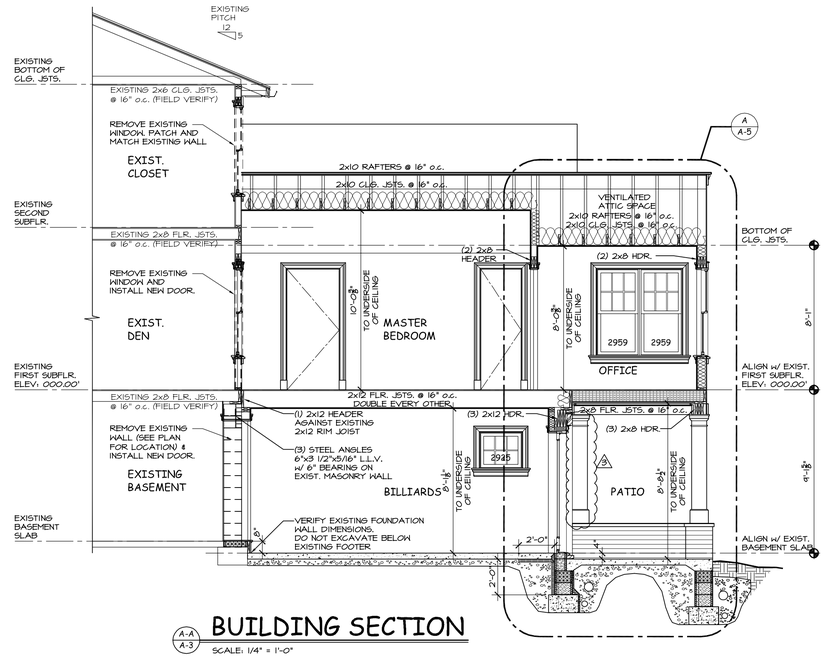
DRAWINGS THIS SHEET
BASEMENT / FOUNDATION PLAN
FIRST FLOOR PLAN
PLUMBING & ROOM FINISH SCHEDULE

A-1



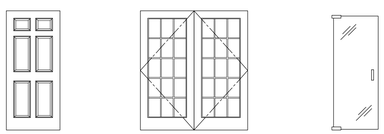
A-A A-3

BUILDING SECTION

SCALE: 1/4" = 1'-0"

0 5 10 20

GRAPHIC SCALE (IN FEET)



A B C

RAISED PANEL (6) TRUSTILE - TS6000 SOLID MDF PAINT GRADE DOOR WOOD VENEER STAIN GRADE DOOR PROVIDE TRADITIONAL STICKING AND SCOOP PANEL.

B&B WOOD PRODUCTS 216-292-6555

FRENCH DOOR w/ TEMPERED GLASS

SHOWER DOOR FRAMELESS w/ 3/8" OBSCURED TEMPERED GLASS - WATER TIGHT. FLOOR & CEILING MOUNT. BY CRYSTAL ILLUSIONS 216-292-4954 VERIFY w/ OWNER

DOOR TYPES

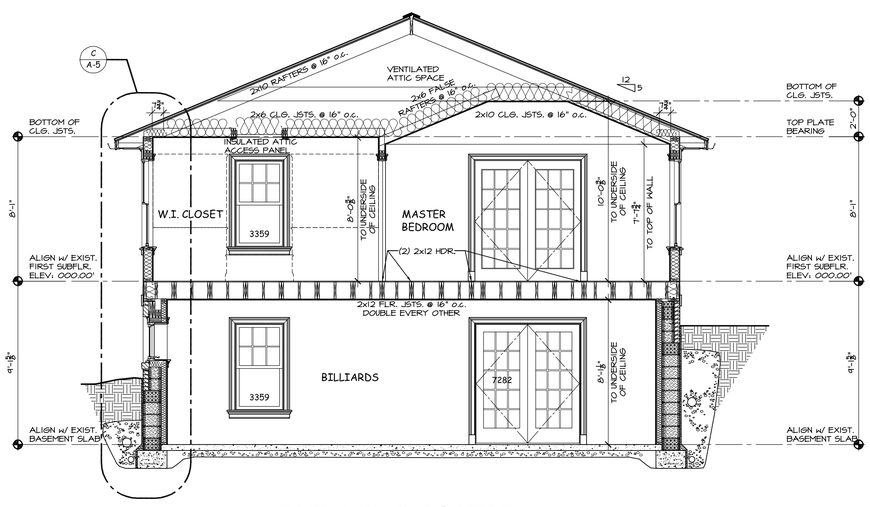
SCALE: 1/4" = 1'-0"

0 5 10

GRAPHIC SCALE (IN FEET)

DOOR NOTES:

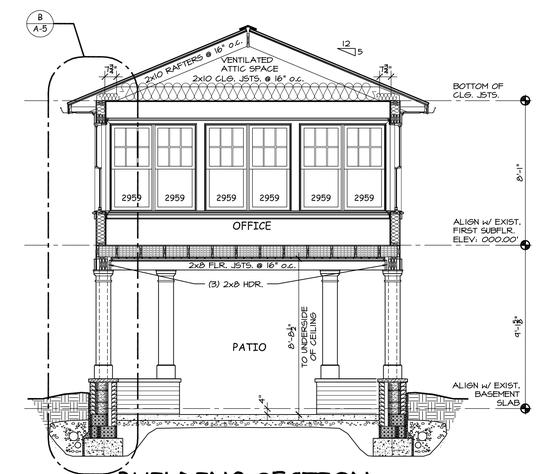
1. SEE PLANS FOR DOOR WIDTH AND HEIGHT.
2. VERIFY TRU-CUT SINGLE PANE GLASS OR TRU-CUT INSULATED GLASS AT MAN DOORS WITH OWNER PRIOR TO INSTALLATION.
3. MAN DOOR (AND INTERIOR DOORS BETWEEN HEATED AND UNHEATED SPACES) WEATHER PROTECTION: PROVIDE HEAD AND JAMB PROTECTION. SILL PROTECTION SHEEP #52A, AND BRONZE THRESHOLD #654B OR #655B OR #656B BY "ZERO INTERNATIONAL" 800-635-5335.
4. PROVIDE ULTRA-VUE COMBINATION DOOR w/ CHARCOAL BLACK ALUMINUM SCREEN, BY B&B WOOD PRODUCTS 216-292-6555, WHERE INDICATED ON PLAN.
5. FIRST FLOOR DOOR TO BE 1 3/4" THICK, BASEMENT DOOR TO BE 1 3/8" THICK.
6. DOORS UNDER 7'-0" TO RECEIVE THREE (3) HINGES TYPICAL. PROVIDE HEAVY DUTY HINGES ON ALL SOLID MDF DOORS BY TRUSTILE.
7. VERIFY HARDWARE SELECTION w/ OWNER PRIOR TO ORDERING.
8. PROVIDE WIDE THROW HINGES FOR 180° SWING.
9. COORDINATE w/ INTERIOR DESIGNER OR OWNER WHICH DOORS ARE PAINT GRADE AND WHAT WOOD SPECIES THE STAIN GRADE DOORS ARE INCLUDING DOOR LOCATIONS.



B-B A-3

BUILDING SECTION

SCALE: 1/4" = 1'-0"



C-C A-3

BUILDING SECTION

SCALE: 1/4" = 1'-0"

EAVE DIMENSION NOTE:

- EAVE DIMENSION OF 18" OR OTHERWISE NOTED IS TO FACE OF 2x SUBFASCIA. RAFTER TAIL CUT IS 16 1/2" (1 1/2" LESS 18").

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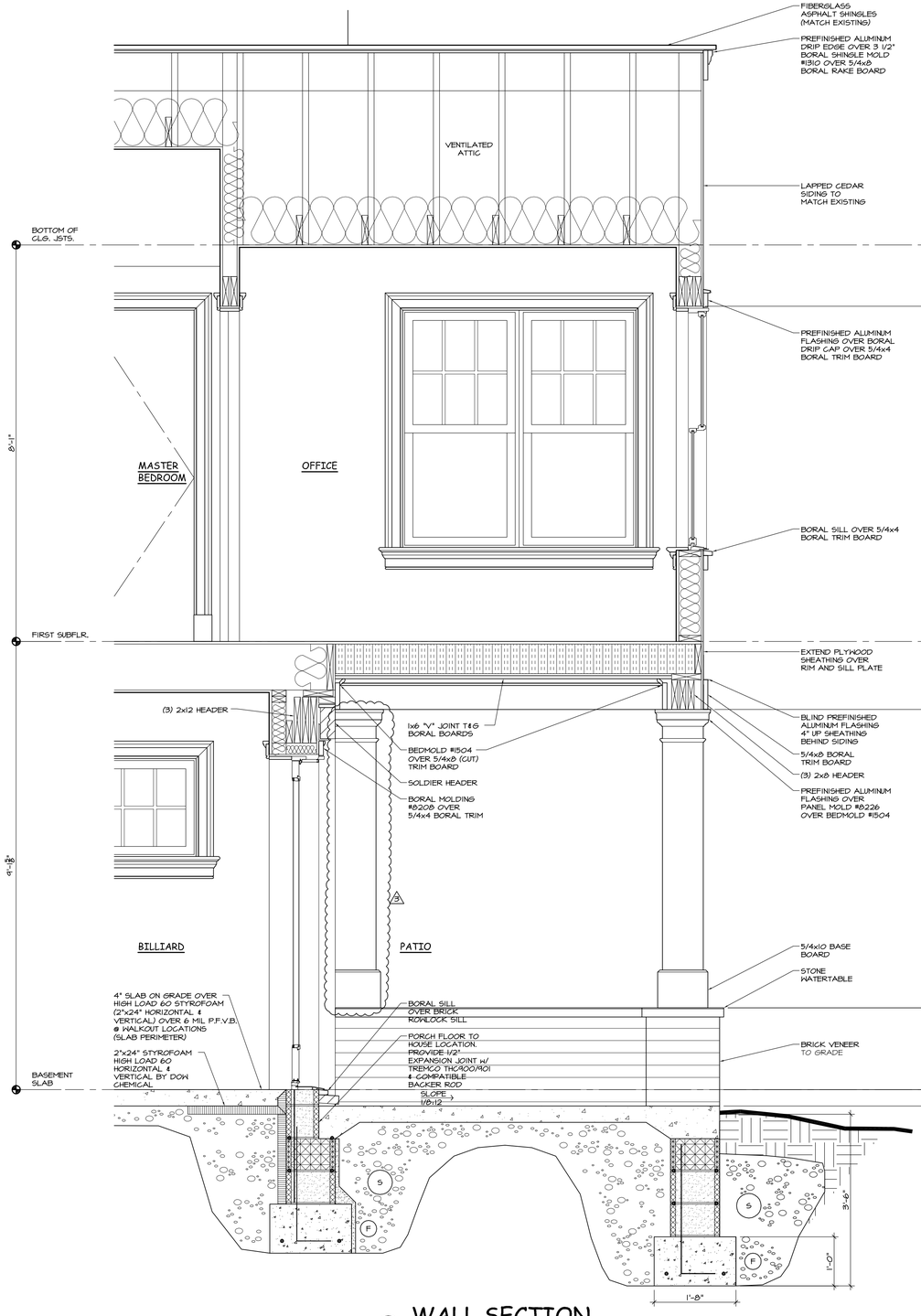
DRAWINGS THIS SHEET

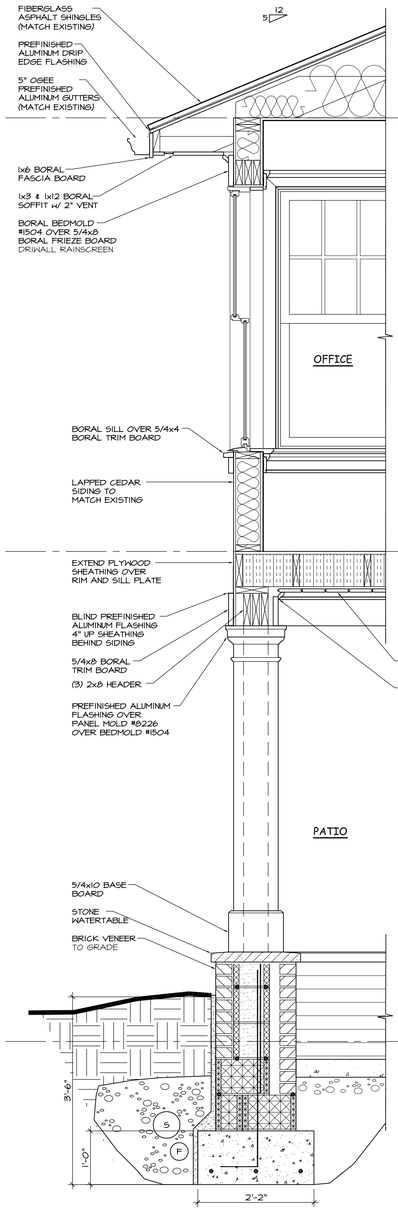
BUILDING SECTIONS
HOOD DETAIL
DOOR TYPES

A-3



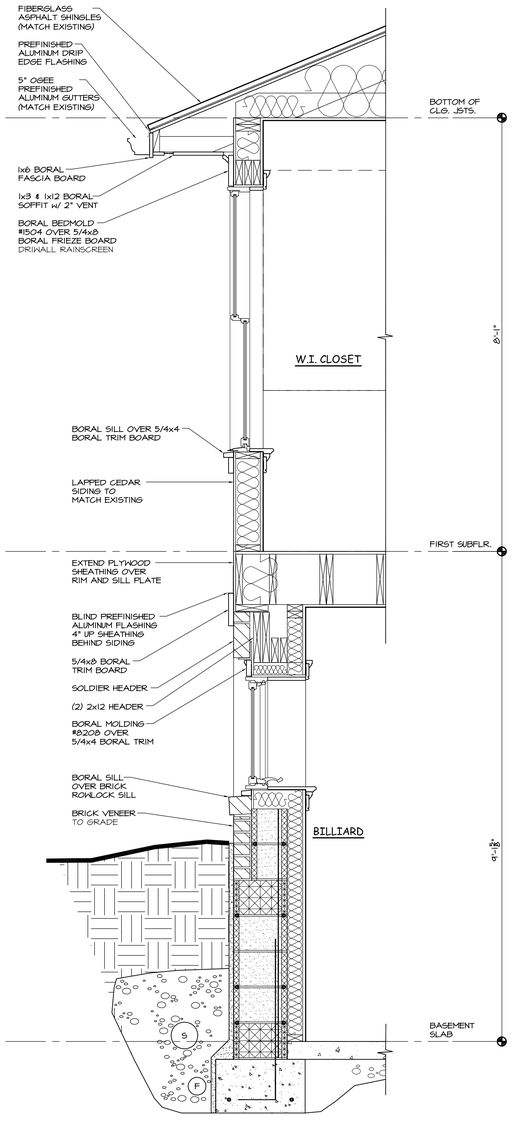
A/A-5 WALL SECTION

SCALE: 3/4" = 1'-0"



B/A-5 WALL SECTION

SCALE: 3/4" = 1'-0"



C/A-5 WALL SECTION

SCALE: 3/4" = 1'-0"

0 1 5

GRAPHIC SCALE (IN FEET)

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DRAWINGS THIS SHEET
WALL SECTIONS

A-5

ARCHITECTURAL NOTES

ROOF: (MATCH EXISTING)

- COR-A-VENT V-600E RIDGE VENTILATION SYSTEM BY COR-A-VENT 800-837-8368 FASTEN PER MANUFACTURER SPECIFICATIONS.
- FIBERGLASS ASPHALT SHINGLES: ELK PRESTIQUE: PLUS HIGH DEFINITION, SELF-SEALING, CLASS A, 40 YEAR. COLOR TO MATCH EXISTING.
- "V" CRIMP .032" PREFINISHED ALUMINUM VALLEY. COLOR TO MATCH ROOFING SHINGLES. VALLEY FLASHING INSTALLATION IN ACCORDANCE TO S.M.A.C.N.A. ARCHITECTURAL SHEET METAL MANUAL.
- GRACE ICE AND WATERSHIELD BY W.R. GRACE Co. AT: (INSTALL PER MANUFACTURER SPECIFICATIONS)
  1. (2) 36" COURSES (6" LAP) AT EAVES OF ENTIRE BUILDING.
  2. 36" COURSE AT RAKES AND VALLEYS.
  3. 36" COURSE AT SEAM WHERE ROOF PITCH CHANGES.
  4. VERTICAL WALLS WHERE ROOF INTERSECTS.
- TITANIUM UDL 50 SYNTHETIC ROOFING UNDERLAYMENT BY INTERWRAP Inc. 888-713-7663.
- TITANIUM UDL 50 AND GRACE ICE AND WATERSHIELD SHOULD BE PROPERLY SHINGLED SUCH THAT WATER IS DIVERTED TO THE EXTERIOR OF THE SYSTEM.
- .024" PREFINISHED ALUMINUM DRIP EDGE: 1 1/2x1 1/2" AT FASCIA & 1"x2 7/8"AT RAKE. COLOR TO MATCH ADJACENT SURFACES.
- 19/32" EXTERIOR-GRADE PLYWOOD SHEATHING.
- 2x RAFTERS @ 16" o.c. (SEE PLANS FOR SIZES)
- CONTINUOUS CORRUGATED STYROFOAM EAVE BAFFLES TO INSURE A MINIMUM 1" CLEAR AIR SPACE INTO ATTIC.
- HORIZONTAL CEILING INSULATION: R-38 BATT INSULATION (KRAFT FACE TO WARM SIDE). FACE STAPLE INSULATION OVER THE 1 1/2" DIMENSION OF THE CEILING JOIST. BATT INSULATION TO BE FORMALDEHYDE FREE.
- **HORIZONTAL CEILING INSULATION (ABOVE PATIO):** SPRAY RAFTER SLOPE (AS INDICATED BELOW) BEYOND THE CEILING JOISTS. INSTALL 5/8" GYPSUM BOARD ON HORIZONTAL CEILING JOIST AND SPRAY FROM ATTIC SIDE WITH BASF WALLTITE (SPRAY POLYURETHANE FOAM - CLOSED CELL 2# DENSITY, ASTM E-84 CLASS 1). MATERIAL BY BASF. REP: JOHN CAHILL 330-528-0684. INSTALL PER MANUFACTURER SPECIFICATIONS. SPRAY TO A DEPTH OF R-38 AT CEILING JOISTS (6 1/2" DEEP). NO VAPOR BARRIER NEEDED. PROVIDE FLAME SEAL TB BARRIER WHERE SPRAY FOAM IS LEFT EXPOSED. MATERIAL BY FLAME SEAL PRODUCTS Inc. 713-668-4291.
- 2x CEILING JOISTS AT 16" o.c. (SEE PLANS FOR SIZES). U.N.O.
- 5/8" GYPSUM BOARD - GLUE (WHERE INSULATION FACING DOES NOT OCCUR), SCREW, TAPE, SKIM COAT AND SAND FOR A SMOOTH FINISH. (LEVEL 5 PER ASTM C 840).
- ALL WASTE STACKS AND EXHAUST FANS TO BE LOCATED AT REAR ROOF ELEVATION OF STRUCTURE.

ROOF PENETRATIONS:

- ALL WASTE STACKS AND EXHAUST FANS TO BE LOCATED AT REAR ROOF ELEVATION OF STRUCTURE.
- PROVIDE ABS BLACK PLASTIC EXTENSION (EXPOSED ABOVE ROOF PLANE) w/ BLACK PIPE FLASHING BOOT. USE RUBBER COUPLING BY MISSION RUBBER PRODUCTS Co. 800-854-9991. (REP: SVF SALES 216-741-7000) TO TRANSITION TO ABS BLACK PLASTIC.

EAVE: (MATCH EXISTING)

- .032", 5" OGEE PREFINISHED ALUMINUM GUTTERS AND 3x4 PLAIN RECTANGULAR DOWNSPOUTS w/ LEAF BASKETS AND HANGING HARDWARE (2'-0" o.c MAXIMUM). ALL JOINTS TO BE LAPPED, RIVETED AND SEALED IN ACCORDANCE TO S.M.A.C.N.A. ARCHITECTURAL SHEET METAL MANUAL.
- PROVIDE PREFINISHED ALUMINUM RECTANGULAR DOWNSPOUT STRAP OR PREFINISHED ALUMINUM ROUND 1 PIECE DOWNSPOUT STRAP AT ALL DOWNSPOUTS. STRAPS TO BE EQUALLY SPACED AND ALIGN FROM DOWNSPOUT TO DOWNSPOUT. MATERIAL BY COPPER CRAFT 800-486-2723.
- HOLD ALL GUTTERS BELOW NATURAL FALL LINE OF ROOF.
- DOWNSPOUTS AND STORM DRAINS: PROVIDE 4" DIAMETER SOLID PVC SCHEDULE 40 OR SDR 35 STORM DRAIN VERTICALLY. USE 6" SOLID PVC SCHEDULE 40 OR SDR 35 STORM DRAIN HORIZONTALLY (TO TIE THE 4" DRAIN LINES TOGETHER) AND 8" SOLID PVC SCHEDULE 40 OR SDR 35 STORM DRAIN THEREAFTER. TIE INTO AND REWORK EXISTING SYSTEM.
- .024" PREFINISHED ALUMINUM DRIP EDGE: 1 1/2"x1 1/2". COLOR TO MATCH ADJACENT SURFACES.
- 1x8 BORAL FASCIA WITH 2x10 (CUT) BACKER BOARD.
- 1x3 & 1x8 (@ SIDING) BORAL BOARD SOFFIT WITH CONTINUOUS 2" PREFINISHED ALUMINUM VENT BY LOMANCO 800-643-5596.
- 2" BORAL BEDMOLD #1504 BY P&T MILLWORK 440-543-2151.
- 5/4x8 BORAL FRIEZE BOARD (RABBETED AT SIDING) WITH BACKER ROD AND SEALANT AT DISSIMILAR MATERIAL JOINT. (CONTINUOUS OVER WINDOWS TO FORM TOP PORTION OF WINDOW TRIM).
- APPLY FRIEZE BOARD (AND ANY FURRING INDICATED) OVER DRIWALL RAINSCREEN SYSTEM BY KEENE BUILDING PRODUCTS 216-514-4284.

RAKE: (MATCH EXISTING)

- .024" PREFINISHED ALUMINUM DRIP EDGE: 1"x2 7/8" AT RAKE. COLOR TO MATCH ADJACENT SURFACES.
- 3 1/2" BORAL SHINGLE MOLD #1310 BY P&T MILLWORK 440-543-2151.
- 5/4x8 BORAL BOARD (RABBETED AT SIDING AND BACK KERFED) WITH BACKER ROD AND SEALANT AT DISSIMILAR MATERIAL JOINT.
- PROVIDE 1/4" PLYWOOD FURRING UNDER ALL TRIM @ SIDING LOCATIONS.

EXTERIOR TRIM NOTE: (MATCH EXISTING)

- PROFILE NUMBERS ARE FROM P&T MILLWORK Inc., CHAGRIN FALLS, OHIO 440-543-2151.
- BORAL TRUEXTERIOR POLYASH TRIM. FOLLOW MANUFACTURERS "APPLICATION INSTRUCTIONS" FOR CUTTING, NAILING AND PAINTING. REP: JIM BROCIOUS 330-314-6627. SEE MANUFACTURER FOR DETAILS AND SPECIFICATIONS. SUPPLIER: MARSH VALLEY FOREST PRODUCTS LTD. 440-632-1889.
- ARCHITECTURAL GRADE HEART B REDWOOD SMOOTH FOR ALL SOLID POSTS, BEAMS, BRACKETS, FLAT TRIM AND MILLED TRIM.
- ALL EXTERIOR REDWOOD BRACKETS, ETC. TO BE PAINTED WITH FINAL FINISH COATING. SEE EXTERIOR FINISH SCHEDULE FOR TYPE AND COLOR OF COATING.
- PREFINISHED ALUMINUM FLASHING COLOR TO MATCH ADJACENT SURFACES.
- ALL BUILDING ENVELOP (WALL & ROOF) PENETRATIONS SUCH AS PLUMBING STACKS, DRYER & FAN VENTS, GABLE VENTS, ETC. TO BE PROPERLY FLASHED.

ELECTRICAL NOTE:

- VERIFY EXTERIOR LIGHTING LAYOUT AND SCONCE PLACEMENT WITH OWNER PRIOR TO LAYING ANY EXTERIOR FINISH SUCH AS STONE, BRICK, STUCCO, SIDING ETC.

FRAME WALL WITH SIDING: (MATCH EXISTING)

- LAPPED CEDAR SIDING: 4" TO WEATHER, SMOOTH SIDE OUT w/ BEADED EDGE. SUBMIT SAMPLE TO ARCHITECT FOR APPROVAL.
- ALL EXTERIOR WOOD SIDING TO BE BACK PRIMED PRIOR TO INSTALLATION.
- DRIWALL RAINSCREEN 020-1 (FULL WALL AT SIDING LOCATIONS) BY KEENE BUILDING PRODUCTS 216-514-4284. PLACE RAINSCREEN OVER THROUGH WALL FLASHING.
- WEATHER BARRIER: PROVIDE TYVEK DRAIN WRAP. DRAIN WRAP SHOULD BE APPLIED WITH GROOVED SURFACE PATTERN IN VERTICAL POSITION TO ALLOW ANY WATER TO DRAIN DOWN & OUT OVER BASE FLASHING. (INSTALLED TYVEK OVER ALL THROUGH WALL & METAL FLASHING). MATERIAL BY DUPONT TYVEK 800-448-9835. INSTALL PER MANUFACTURER SPECIFICATIONS.
- 19/32" EXTERIOR-GRADE PLYWOOD SHEATHING (EXTEND DOWN AND OVER RIM AND SILL PLATE AND SHALL BE FLUSH WITH THE EXTERIOR FACE OF BLOCK FOUNDATION WALL BELOW).
- 2x WOOD STUDS AT 16" o.c. (SEE PLANS FOR LOCATIONS).
- ELASTOMERIC SEALANT: PROVIDE ECOSEAL PLUS WITH GASKET PRO TECHNOLOGY AT INTERIOR FRAMING JOINTS AS AN AIR BARRIER. MATERIAL BY KNAUF INSULATION GMBH 800-825-4434 EX. 8300. INSTALL PER MANUFACTURER SPECIFICATIONS.
- VERTICAL INSULATION: PROVIDE (2x4) R-15; (2x6) R-21 BATT INSULATION (KRAFT FACE TO WARM SIDE). FACE STAPLE INSULATION OVER THE 1 1/2" DIMENSION OF THE STUD. BATT INSULATION TO BE FORMALDEHYDE FREE. PROVIDE FSK FACED BATTS AT UNFINISHED INSULATED ATTIC SPACES.
- 5/8" GYPSUM BOARD: GLUE (WHERE INSULATION FACING DOES NOT OCCUR), SCREW, TAPE, SKIM COAT AND SAND FOR A SMOOTH FINISH. (LEVEL 5 PER ASTM C 840).

INTERIOR FLOORS:

- FINISHED FLOOR (SEE PLANS). ALIGN WITH EXISTING.
- CARPET: 19/32" PLYWOOD UNDERLAYMENT OVER 19/32" PLYWOOD SUBFLOOR (GLUE AND NAIL).
- WOOD: 3/4" RANDOM WIDTH T&G WHITE OAK OVER 19/32" PLYWOOD SUBFLOOR (GLUE AND NAIL).
- DRYSET TILES:1/2" DUROCK CEMENT BOARD UNDERLAYMENT OVER 19/32" EXTERIOR-GRADE PLYWOOD SUBFLOOR. T.C.N.A. SPECIFICATION F144.
- 2x FLOOR JOISTS AT 16" o.c. (SEE PLANS FOR SIZES)
- ELASTOMERIC SEALANT: PROVIDE ECOSEAL PLUS WITH GASKET PRO TECHNOLOGY AT INTERIOR FRAMING JOINTS AS AN AIR BARRIER. MATERIAL BY KNAUF INSULATION GMBH 800-825-4434 EX. 8300. INSTALL PER MANUFACTURER SPECIFICATIONS.
- RIM INSULATION: R-30 BATT INSULATION AT PERIMETER. BATT INSULATION TO BE FORMALDEHYDE FREE.
  - **CEILING BELOW:**
- 5/8" GYPSUM BOARD - GLUE (WHERE INSULATION FACING DOES NOT OCCUR), SCREW, TAPE, SKIM COAT AND SAND FOR A SMOOTH FINISH. (LEVEL 5 PER ASTM C 840).

SILL:

- 2x PRESSURE TREATED WOOD PLATE (SEE WALL SECTIONS).
- 1/2" DIAMETER 18" LONG ANCHOR BOLT AT 4'-0" o.c. MAX. (2) PER SILL PLATE MINIMUM AND 12" MAXIMUM FROM THE END OF SILL PLATES. PLATE WASHERS SHALL BE USED ON EACH BOLT.
- 1/4" FOAM "SEALER" RIGID SILL PLATE GASKET MANUFACTURED BY UCI 800-221-7888.
- RIM INSULATION: R-30 BATT INSULATION AT PERIMETER. BATT INSULATION TO BE FORMALDEHYDE FREE.
- ELASTOMERIC SEALANT: PROVIDE ECOSEAL PLUS WITH GASKET PRO TECHNOLOGY AT INTERIOR FRAMING JOINTS AS AN AIR BARRIER. MATERIAL BY KNAUF INSULATION GMBH 800-825-4434 EX. 8300. INSTALL PER MANUFACTURER SPECIFICATIONS.
- **RIM INSULATION (ABOVE PATIO):** PROVIDE BASF WALLTITE (SPRAY POLYURETHANE FOAM - CLOSED CELL 2# DENSITY, ASTM E-84 CLASS 1). MATERIAL BY BASF. REP: JOHN CAHILL 330-528-0684. INSTALL PER MANUFACTURER SPECIFICATIONS. SPRAY FULL DEPTH OF STUDS. SPRAY TO A DEPTH OF R-38 AT THE RIM (6 1/2" DEEP). NO VAPOR BARRIER NEEDED. PROVIDE FLAME SEAL TB BARRIER WHERE SPRAY FOAM IS LEFT EXPOSED. MATERIAL BY FLAME SEAL PRODUCTS Inc. 713-668-4291.
- 19/32" EXTERIOR-GRADE PLYWOOD SHEATHING (EXTEND DOWN AND OVER RIM AND SILL PLATE AND SHALL BE FLUSH WITH THE EXTERIOR FACE OF BLOCK FOUNDATION WALL BELOW).
- GRADE OVER RIM JOISTS AT TERRACE LOCATION, PROVIDE BITUTHANE SYSTEM 4000 WATERPROOFING MEMBRANE BY W.R. GRACE. 800-354-4656. SEE PLANS AND ELEVATIONS FOR LOCATIONS AND SECTIONS AND DETAILS FOR FURTHER REINFORCING REQUIREMENTS.

FOUNDATION WALLS AND FOOTING:

- SLOPE ROUGH GRADE EVENLY AWAY FROM BUILDING AT A 5% MINIMUM SLOPE.
- 4" BRICK TO GRADE: BRICK TO MATCH EXISTING HOUSE. 4" BRICK GROUTED SOLID TO CMU FOUNDATION WALL.
- 6", 8" OR 12" C.M.U. FOUNDATION WALLS (SEE PLANS). TOP COURSE AND TOP OF ANY TRANSITIONAL COURSE TO BE SOLID OR FILLED SOLID.
- MASONRY WALLS ARE TO BE DAMP PROOFED FROM BOTTOM OF FOOTING TO THE FINISH GRADE.
  - PARGING: REMOVE FINS AND LOOSE MATERIALS. CLEAN BASEMENT FOUNDATION WALLS AND FILL CRACKS AND HOLES WITH MORTAR. PARGE BASEMENT FOUNDATION WALLS WITH 1/2" PORTLAND CEMENT PLASTER. FLARE PARGING OUT AND OVER TOP OF FOOTING.
  - DAMP PROOFING: APPLY ONE COAT OF IRONITE DAMPPROOFING OVER PARGING. WHEN WALLS, PARGING, AND IRONITE ARE THOROUGHLY DRIED AND CURED, APPLY ONE COAT OF FIBERED ASPHALT EMULSION COATING ("BLACK TAR FOUNDATION COATING") OVER IRONITE AND PARGING.
- BACKFILL: #57 WASHED BANKRUN GRAVEL FILL MINIMUM 18" WIDE TO WITHIN 1'-0" OF FINISHED GRADE. PROVIDE GEO-TEXTILE SOIL SEPARATOR BETWEEN GRAVEL AND FINISH GRADE.
- DOWNSPOUTS AND STORM DRAINS: PROVIDE 4" DIAMETER SOLID PVC SCHEDULE 40 OR SDR 35 STORM DRAIN VERTICALLY. USE 6" SOLID PVC SCHEDULE 40 OR SDR 35 STORM DRAIN HORIZONTALLY (TO TIE THE 4" DRAIN LINES TOGETHER) AND 8" SOLID PVC SCHEDULE 40 OR SDR 35 STORM DRAIN THEREAFTER. TIE INTO AND REWORK EXISTING SYSTEM.
- FOUNDATION DRAINS: PROVIDE 4" DIAMETER PERFORATED PVC SCHEDULE 40 OR SDR 35 FOOTING DRAIN HORIZONTALLY (PLACING HOLES DOWNWARD) AT EXTERIOR PERIMETER OF BASEMENT FOOTING. EXTERIOR DRAIN TO BE CONNECTED. TIE INTO AND REWORK EXISTING SYSTEM.
- 12 COURSE (OR LESS): REINFORCE BASEMENT WALL w/ #4 BARS FULL HEIGHT @ 32" o.c. w/ #4 FOOTING DOWELS 48" LONG WITH 12" BENT LEG IMBEDDED 6" IN FOOTING @ 32" o.c. GROUT CORES SOLID WHERE REINFORCING OCCURS. MINIMUM BAR LENGTH OF 4'-0" w/ MINIMUM OVERLAP OF 16" TO FORM MONOLITHIC STRUCTURE IF CONTINUOUS BAR IS NOT USED. LOCATE REINFORCING 2" FROM INSIDE FACE OF MASONRY.
- TIE NEW WALLS TO EXISTING WALLS WITH SLIP-SET STABILIZING ANCHORS BY HOHMANN AND BARNARD, Inc. @ 16" o.c. VERTICAL (TYPICAL) SEAL JOINT WITH SIKA-FLEX 1A. SEALANT SUPPLIER C. PHIPPS 216-641-2150.
- HORIZONTAL JOINT REINFORCING: 220 LADDER MESH REINFORCEMENT (USE 170 ML TRUSS ADJUSTABLE EYE WIRE WHERE BRICK VENEER OCCURS) BY HOHMANN AND BARNARD, Inc. AT FIRST (2) COURSES THEN EVERY OTHER JOINT THEREAFTER UP TO GRADE. PROVIDE HORIZONTAL JOINT REINFORCING IN ALL COURSES THAT OCCUR BELOW BASEMENT SLAB LEVEL AT STEPPED FOOTING LOCATIONS WHERE WALK OUT BASEMENT OCCURS.
- STEEL BEAMS BEARING ON MASONRY WALLS OR PIERS SHALL HAVE AN 8"x8"x1/2" STEEL BEARING PLATE ON 1/2" MORTAR LEVELING BED. MASONRY BELOW SHALL BE GROUTED SOLID.
- PROVIDE SIKAFLEX PRIMER AND SIKAFLEX POLYURETHANE ELASTOMERIC SEALANT AT ALL PENETRATIONS OF C.M.U. FOUNDATION WALLS. VERIFY PENETRATION SUBSTRATE (IE. PVC, COPPER, ABS) FOR EXACT PRIMER FORMULA.
- 1'-0"x1'-8" CONTINUOUS CONCRETE FOOTING WITH TWO (2) #5 BARS CONTINUOUS AT 12" BLOCK WALLS AND 1'-0"x1'-4" CONTINUOUS CONCRETE FOOTING WITH TWO (2) #5 BARS CONTINUOUS AT 8" BLOCK WALL U.N.O.
- BOTTOM OF ALL FOOTINGS TO BE 3'-6" BELOW GRADE.
- SOLID UNDISTURBED EARTH BEARING CAPACITY 2,000 P.S.F. VERIFY PRIOR TO CONSTRUCTION.

BASEMENT SLAB:

- FINISHED FLOOR (SEE PLANS). ALIGN WITH EXISTING.
- DRYSET TILES: SLAB TO HAVE STEEL TROWEL AND FINE BROOM FINISH FREE OF CURING COMPOUNDS. T.C.N.A. SPECIFICATION F113.
- 4" CONCRETE SLAB REINFORCED WITH 6x6 W2.9 W2.9 W.W.F. BOND BREAK AT PERIMETER USING 10 MIL P.F.V.B.
- 10 MIL POLYETHYLENE FILM VAPOR BARRIER ON
- 4" COMPACTED #57 WASHED BANK RUN GRAVEL.
- COMPACTED ODOT 304 FILL TO UNDISTURBED GRADE.
- CONTROL JOINTS: CUT JOINTS FOR SLABS ON GRADE A MAXIMUM OF 12'-0" o.c. UNLESS NOTED OTHERWISE ON CONTRACT DOCUMENTS. CUT JOINTS A (1/4) QUARTER OF THE SLAB THICKNESS WITHIN (8) EIGHT HOURS AFTER PLACING CONCRETE.
- AT WALK OUT BASEMENTS PROVIDE 2"x24" (HORIZONTAL & VERTICAL) 'STYROFOAM HIGH LOAD 60' BY DOW CHEMICAL ON 10 MIL P.F.V.B.

EXPOSED TO THE WEATHER SLABS:

- SANDSTONE PAVING STONE IN ASHLAR PATTERN.
- 1 1/4" MORTAR BED w/ BOND COAT. T.C.A. SPECIFICATION F101.
- SLAB TO HAVE STEEL TROWEL AND FINE BROOM FINISH WITH NO CURING COMPOUNDS USED. PROVIDE SLOPE FOR POSITIVE DRAINAGE.
- 4" CONCRETE FLOOR SLAB AIR ENTRAINED 6% (+/-2%) WITH
- 6x6 W2.9xW2.9W.W.F. WITH BOND BREAK AT PERIMETER USING 10 MIL P.F.V.B.
- 4" COMPACTED #57 WASHED BANK RUN GRAVEL.
- COMPACTED ODOT 304 FILL TO UNDISTURBED GRADE.
- CONTROL JOINTS: CUT JOINTS FOR SLABS ON GRADE A MAXIMUM OF 12'-0" o.c. UNLESS NOTED OTHERWISE ON CONTRACT DOCUMENTS. CUT JOINTS A (1/4) QUARTER OF THE SLAB THICKNESS WITHIN (8) EIGHT HOURS AFTER PLACING CONCRETE.

BASEMENT EXTERIOR WALLS WITH INTERIOR FINISH:

- PROVIDE THOROSEAL INTERIOR WATERPROOFING SYSTEM (OVER C.M.U FOUNDATION WALLS) BY THORO SYSTEM PRODUCTS 866-518-7171. INSTALL PER MANUFACTURER SPECIFICATIONS.
- 2x WOOD STUDS AT 16" o.c. (SEE PLANS FOR LOCATIONS).
- VERTICAL INSULATION: PROVIDE (2x4) R-15 BATT INSULATION BATT INSULATION TO BE FORMALDEHYDE FREE. UNFACED WHERE GRADE OCCURS AGAINST BLOCK WALL AND FACED WHERE GRADE DOES NOT OCCUR AGAINST BLOCK WALL (KRAFT FACE TO WARM SIDE).
- 5/8" GYPSUM BOARD - GLUE (WHERE INSULATION FACING DOES NOT OCCUR), SCREW, TAPE, SKIM COAT AND SAND FOR A SMOOTH FINISH. (LEVEL 5 PER ASTM C 840).

INTERIOR WALLS AND CEILINGS:

- ALL WALLS AND CEILINGS UNLESS NOTED OTHERWISE SHALL BE 5/8" GYPSUM BOARD - GLUE (WHERE INSULATION FACING DOES NOT OCCUR), SCREW, TAPE, SKIM COAT AND SAND FOR A SMOOTH FINISH. (LEVEL 5 PER ASTM C 840).
- WHERE WIDE FLANGE MEMBERS ARE LARGER THAN SURROUNDING STUD FRAMING PROVIDE DOUBLE LAYER OF 5/8" GYPSUM BOARD OR FURRING STRIPS TO MATCH THE WIDTH OF THE FLANGE.
- 19/32" PLYWOOD BACKING (GLUE & SCREW) IN LIEU OF 5/8" GYPSUM BOARD AT ALL WOOD WAINSCOT, PANELING AND T&G LOCATIONS (WALLS AND CEILINGS). COORDINATE WITH INTERIOR ELEVATIONS AND PLANS FOR LOCATIONS. PROVIDE SEALANT AT ALL WOOD TO WOOD, AND WOOD TO GYPSUM JOINTS.
- WATER RESISTANT GYPSUM BOARD SHALL BE USED ON WALLS OF BATHROOMS AND IN HIGH MOISTURE AREAS .
- 5/8" FIRECODE GYPSUM BOARD SHALL BE USED ON CEILINGS OF BATHROOMS AND HIGH MOISTURE AREAS.
- U.S. GYPSUM 5/8" DUROCK INTERIOR TILE BACKER BOARD AND NOBLESEAL TS MEMBRANE SHALL BE USED ON ALL WALLS SHOWERS WHERE CERAMIC TILE WILL OCCURS.
- ALL TILE AND STONE APPLICATIONS SHALL COMPLY WITH THE LATEST (TCNA) TILE COUNCIL OF NORTH AMERICA SPECIFICATIONS AND RECOMMENDATIONS.
- APPLY 1/4" MINIMUM ROUND BEAD OF SEALANT AT PERIMETER OF FRAMING. GYPSUM BOARD SHALL BE SET INTO SEALANT TO FORM COMPLETE CONTACT WITH ADJACENT MATERIALS. SEALANT SHALL BE APPLIED AROUND ALL CUT-OUTS SUCH AS ELECTRICAL BOXES AND WHERE DUCTS PASS THROUGH WALLS. SIDES AND BACKS OF ELECTRICAL BOXES SHALL BE COMPLETELY SEALED WITH SEALANT.
- PROVIDE "MAGIC CORNER EXPANSION BEAD", BY TRIM-TEX DRYWALL PRODUCTS 800-874-2333, AT ALL SLOPED CEILING TO WALL LOCATIONS. SUPPLIER: MEDINA DRYWALL SUPPLY Inc. (BOB GARDNER) 330-239-1604. CELL 330-350-2007.
- INSULATION: INSTALL SOUND ATTENUATION BATTS (FORMALDEHYDE FREE) IN ALL INTERIOR WALLS, CEILINGS AND FLOORS OF BATHROOM.
- THE "QUALITY STANDARDS" OF THE ARCHITECTURAL WOODWORK INSTITUTE SHALL APPLY AND BY REFERENCE ARE HEREBY MADE A PART OF THIS SPECIFICATION. ANY REFERENCE TO PREMIUM, CUSTOM, OR ECONOMY IN THIS SPECIFICATION SHALL BE AS DEFINED IN THE LATEST EDITION OF THE AWI "QUALITY STANDARDS". ANY ITEM NOT GIVEN A SPECIFIC QUALITY GRADE SHALL BE CUSTOM GRADE AS DEFINED IN THE LATEST EDITION OF THE AWI "QUALITY STANDARDS".
- FIRESTOPPING SHALL BE PROVIDED IN WOOD-FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS: (INFORMATION HAS BEEN TAKEN FROM OBC RESIDENTIAL CODE (LATEST EDITION). SECTION 602.8 - FIREBLOCKING REQUIRED.
  1. IN CONCEALED SPACES OF STUD WALLS & PARTITIONS, INCLUDING FURRING SPACES, AT THE CEILING AND FLOOR LEVEL.
  2. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL & HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COVE CEILINGS, ETC.
  3. AT OPENINGS AROUND VENTS, PIPES, AND DUCTS. AT CEILING & FLOOR LEVEL, WITH NONCOMBUSTIBLE MATERIALS.
- VERIFY ALL FINISHES w/ OWNER AND INTERIOR DECORATOR PRIOR TO CONSTRUCTION.

LEVELS OF GYPSUM BOARD FINISH (PER ASTM C 840**)**

- LEVEL 5: ALL JOINTS AND INTERIOR ANGLES SHALL HAVE TAPE EMBEDDED IN JOINT COMPOUND AND ARE IMMEDIATELY WIPED WITH A JOINT KNIFE OR TROWEL LEAVING A THIN COATING OF JOINT COMPOUND OVER ALL JOINTS AND INTERIOR ANGLES. TWO SEPARATE COATS OF JOINT COMPOUND SHALL BE APPLIED OVER ALL FLAT JOINTS. ONE SEPARATE COAT OF JOINT COMPOUND IS APPLIED OVER INTERIOR ANGLES. FASTENER HEADS AND ACCESSORIES ARE COVERED WITH THREE SEPARATE COATS OF JOINT COMPOUND. A THIN SKIM COAT OF JOINT COMPOUND OR MATERIAL ESPECIALLY FOR THIS PURPOSE SHALL BE APPLIED OVER THE ENTIRE SURFACE COMPLETELY COVERING THE PAPER. THE SURFACE SHALL BE SMOOTH AND FREE OF TOOL MARKS AND RIDGES.

PELLA WINDOWS AND FRENCH DOORS:

- USE PELLA "ARCHITECT SERIES' CLAD DOUBLE HUNG, CASEMENT OR FIXED SASH WINDOWS AND FRENCH DOORS. U.N.O.
- WINDOWS AND FRENCH DOORS SHALL USE DUAL-SEAL INSULATING GLASS (CLEAR) w/ INTEGRAL LIGHT TECHNOLOGY w/ 7/8" MUNTIN BARS. MUNTIN BARS TO BE PERMANENTLY BONDED TO INTERIOR & EXTERIOR GLASS w/ FOAM MUNTIN GRIP BETWEEN THE TWO PANELS OF GLASS.
- SCREENS: FRAME COLOR TO MATCH ADJACENT TRIM; WHITE FOR PAINTED AND BRONZE FOR STAINED.
- HEAD DRIP FIN AND INSTALLATION FINS.
- JAMB EXTENSIONS AS REQUIRED (SEE PLANS). PROVIDE EXTERIOR EXTENSION JAMB & WIDE THROW HINGE FOR INSWING FRENCH DOORS ONLY, TO ALLOW 180° SWING.
- HARDWARE FINISH TO BE SELECTED AND VERIFIED WITH OWNER, INTERIOR DECORATOR AND ARCHITECT.
- EXTERIOR ALUMINUM COLOR TO MATCH EXISTING. PROVIDE AAMA 2605.11 FINISH.
- PROVIDE TEMPERED GLASS IN HAZARDOUS LOCATIONS AS INDICATED IN SECTION 308.4 OF OBC RESIDENTIAL CODE (LATEST EDITION).
- INTERIOR UNFINISHED - FINISHED ON SITE. (NO CHARGE FOR FACTORY PRIMED INTERIOR)
  - WINDOW TRIM:
- SIDING - 5/4x4 BORAL CASING UNDER BORAL DRIP CAP @ HEAD LOCATION. PROVIDE FLASHING OVER DRIP CAP & 4" UP SHEATHING. 5/4x4 BORAL CASING @ JAMB LOCATION. 5/4x4 BORAL CASING UNDER BORAL SILL w/ DRIP EDGE @ SILL LOCATION. PROVIDE 1/4" PLYWOOD FURRING UNDER ALL TRIM @ SIDING LOCATIONS.
- BRICK - 5/4x4 BORAL CASING w/ APPLIED BORAL MOLD #8208 (P&T MILLWORK) @ HEAD AND JAMB LOCATION. BORAL SILL w/ DRIP EDGE OVER BRICK SILL @ SILL LOCATION.
- SHOP DRAWINGS REQUIRED FOR ALL WINDOWS & DOORS PRIOR TO ORDERING.
  - WINDOW FLASHING:
- ***WINDOW INSTALLER MUST BE OSI CERTIFIED.*** CONTACT BOB SPIES FOR CERTIFICATION REQUIREMENTS.
- PROVIDE OSI QUAD WINDOW AND DOOR INSTALLATION SYSTEM (QUAD MAX, QUAD FOAM AND COMPATIBLE TAPE) FOR A 15 YEAR WARRANTY BY HENKEL CORPORATION. PROVIDE OWNER WITH WINDOW AND DOOR INSTALLATION CERTIFICATION. FOLLOW OSI QUAD WINDOW AND DOOR INSTALLATION SYSTEM INSTALLATION INSTRUCTIONS FOR NEW CONSTRUCTION TO OBTAIN 15 YEAR WARRANTY. SUPPLIED BY: NEXT GENERATIONS BUILDING SOLUTIONS - BOB SPIES 440-263-1633.
- PROVIDE SOLID WOOD BLOCKING AT ALL WINDOWS AND DOORS FOR CURTAIN RODS.
- FINISH TRIM OF INTERIOR DOORS AND CASED OPENING TO ALIGN WITH PELLA DOORS AND WINDOWS.
- BASEMENTS w/ HABITABLE SPACE AND EVERY SLEEPING ROOM SHALL HAVE ONE OPERABLE EMERGENCY ESCAPE WINDOW OR DOOR AND SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF KEYS OR TOOLS.

WROUGHT IRON RAILING:

- HANDRAIL CAP #4428 BY JULIUS BLUM & Co. 800-526-6293 OVER 1x1/2x1/8 IRON CHANNEL. (TOP & BOTTOM OF BALUSTERS)
- TOP RAIL 36" HIGH A.F.F.
- 1/2" SQUARE BALUSTERS BY FINELLI IRONWORK 440-248-0050. VERIFY BALUSTER DESIGN w/ OWNER PRIOR TO FABRICATION. MAXIMUM SPACE BETWEEN BALUSTERS NOT TO EXCEED 4".
- ALL SCROLLED ENDS TO BE HAND FORGED.
- 6'-0" MAXIMUM SPACE BETWEEN 2x2 OR 1x1 SUPPORT POSTS. SEE ELEVATIONS.
- SUPPORTS BOLTED TO WITHSTAND 200 lbs. OF FORCE IN ANY DIRECTION AT ANY POINT ALONG THE TOP.
- PROVIDE 3x3 ANCHORING PLATE WELDED TO SUPPORT POSTS w/ BASE #368 (MODIFIED) BY JULIUS BLUM & Co. FOR 1x1 POST AND FLANGE #8799 BY R&B WAGNER Inc. 800-786-2111 FOR 2x2 POST.
- ALL STEEL COMPONENTS TO BE POWDER COATED w/ BLACK FINISH.
- MATERIAL FABRICATION BY FINELLI ARCHITECTURAL IRONWORK 440-248-0050.

STRUCTURAL NOTES

GENERAL:

- DESIGN LOADS, PER RESIDENTIAL CODE OF OHIO FOR ONE, TWO - AND THREE - FAMILY DWELLINGS. LATEST EDITION.

ROOF LIVE LOAD	25 PSF
ROOF DEAD LOAD	15 PSF
ATTIC FLOOR LIVE LOAD	20 PSF
ATTIC FLOOR DEAD LOAD	10 PSF
SECOND FLOOR LIVE LOAD	30 PSF
SECOND FLOOR DEAD LOAD	15 PSF
FIRST FLOOR LIVE LOAD	40 PSF
FIRST FLOOR DEAD LOAD	25 PSF
$\triangle \leq$	L/360 TOTAL LOAD
$\triangle \lesssim$	L/480 LIVE LOAD
$\triangle <$	L/600 LIVE LOAD FOR TILE FLOORS
DESIGN WIND CRITERIA	20 PSF

FOUNDATION:

- THE GENERAL CONTRACTOR AND FOUNDATION CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE SURVEY BEFORE BIDDING THE WORK. GEOTHECHNICAL REPORT PREPARED BY SME, SOIL AND MATERIAL ENGINEERS, Inc. 440-585-1320.
- FOUNDATION DESIGN BEARING PRESSURES: 2000 PSF ON NATURAL SOILS.
- NOTIFY ENGINEER OF ANY UNUSUAL SOIL CONDITIONS THAT ARE IN VARIANCE WITH THE TEST BORINGS, OR WHEN DIFFERING BEARING MATERIAL IS EVIDENT, AND THERE IS A QUESTION OF BEARING CAPACITY.
- STEP FOOTING AT A RATIO OF ONE VERTICALLY TO EVERY TWO HORIZONTAL, WITH A 2'-0" MAXIMUM VERTICAL STEP.
- COMPACT FILL TO 98% MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT (±2%) WHEN TESTED IN ACCORDANCE WITH ASTM D-698. DEPOSIT FILL IN 8" LOOSE LIFTS.
- BACKFILLING AGAINST FOUNDATION WALLS WILL NOT BE PERMITTED UNTIL THE BASEMENT FLOOR, FRAMED FLOORS OR WALLS ARE IN PLACE, OR ADEQUATE TEMPORARY BRACING IS PROVIDED.
- SEE ARCHITECTURAL "FOUNDATION" NOTES FOR FOOTING SIZE AND STEEL REINFORCING.

CONCRETE:

- COMPRESSIVE STRENGTH OF CONCRETE IN 28 DAYS:
  - SLAB-ON-GRADE 4000 PSI
  - FOUNDATIONS 3000 PSI
- WATER/CEMENT RATIO SHALL NOT EXCEED, UNLESS SUBSTANTIATED BY CERTIFIED TEST RESULTS:

COMPRESSIVE STRENGTH	NON-AIR ENTRAINED	AIR ENTRAINED
3000	0.58	0.46
4000	0.44	0.35

- SLUMP FOR ALL CLASSES CONCRETE SHALL BE 4" (ASTM C-143). CONTRACTOR MAY ADD SUPERPLASTICIZER TO CONCRETE MIX TO OBTAIN A MAXIMUM 7" SLUMP AFTER SLUMP TEST IS TAKEN.
- REINFORCING STEEL BARS: ASTM A-615, GRADE 60.
- WELDED WIRE FABRIC: ASTM A-185, MATS ONLY
- PROVIDE ADEQUATE REINFORCING STEEL CONCRETE COVER AS FOLLOWS:
  - CAST AGAINST AND EXPOSED TO EARTH 3"
  - FORMED, BUT EXPOSED TO EARTH OR WEATHER 2"
  - FORMED, NOT EXPOSED TO ELEMENTS 1/2"
- PROVIDE CONTROL JOINTS IN ALL SLABS ON GRADE. THE MAXIMUM SPACING OF JOINTS SHALL BE 12'-0" o.c. IN A SQUARE PATTERN, UNLESS NOTED.
- PLACE WELDED WIRE FABRIC IN SLABS ON GRADE 1 1/2" BELOW TOP OF SLAB.
- LAP ALL REINFORCING BARS SPLICES 36 BAR DIAMETERS MINIMUM.
- BEND ALL HORIZONTAL BARS 36 BAR DIAMETERS PAST EACH CORNER OR PROVIDE EQUIVALENT CORNER BARS MATCHING HORIZONTAL REINFORCING.
- CONCRETE EXPOSED TO WEATHER, PARKED VEHICLES, AND/OR DEICERS SHALL CONTAIN 6% (±2%) ENTRAINED AIR BY VOLUME.
- CALCIUM CHLORIDE OR CHLORIDE CONTAINING ADMIXTURES **WILL NOT** BE PERMITTED UNDER ANY CIRCUMSTANCES.

MASONRY:

- CONSTRUCT ALL MASONRY WALLS IN ACCORDANCE WITH ACI 530.1, WITH REQUIREMENTS FOR OWNER INSPECTION AND ACCEPTANCE DELETED, SPECIFICATIONS UNLESS NOTED OTHERWISE SHOWN.
- MATERIALS:

HOLLOW LOAD BEARING UNIT	ASTM C-90 (GRADE N-1)
CONCRETE BRICK	ASTM C-55 (GRADE N-1)
FACING BRICK	ASTM C-216, TYPE FBS, GRADE SW
NON LOAD BEARING UNIT	ASTM C-129
MORTAR (TYPE M, S, N, OR O)	ASTM C-270
GROUT	ASTM C-476 (2500 PSI)
REINFORCING STEEL BARS	ASTM A-615 GRADE 60

- MINIMUM MASONRY PRISM STRENGTH (F'M) = 1800 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE.
- MORTAR USAGE FOR ABOVE AND BELOW GRADE WALLS:
  - REINFORCED AND LOAD BEARING TYPE S
  - NON LOAD BEARING (INTERIOR) TYPE N
- IN MASONRY WALLS, NO CHASES, RISERS, CONDUIT OR TOOTHING OF MASONRY SHALL OCCUR WITHIN 17" OF CENTERLINE OF BEAM BEARING OR CONCENTRATED LOADS.
- USE TWO COURSES (16") OF SOLID OR GROUTED SOLID MASONRY BELOW EACH BEAM BEARING.
- PROVIDE HORIZONTAL JOINT REINFORCING IN ALL MASONRY WALLS AT AT FIRST (2) COURSES THEN 16" o.c. VERTICALLY. JOINT REINFORCING SHALL BE DUR-O-WAL TRUSS TYPE STANDARD WEIGHT 9 GAGE (3.7 mm) SIDE RODS AND 9 GAGE (3.7 mm) CROSS RODS. OR EQUAL.
- PROVIDE UNITS APPROPRIATE FOR USE, i.e., JAMB, SASH, BULLNOSE, BOND, ETC..
- SEE ARCHITECTURAL "FOUNDATION" NOTES FOR FOUNDATION WALL COURSING AND STEEL REINFORCING.

STRUCTURAL STEEL:

- STRUCTURAL STEEL SHAPES: ASTM A 992
- STRUCTURAL STEEL PIPE: ASTM A53, TYPE E OR S, GRADE B
- STRUCTURAL STEEL TUBES: ASTM A500, GRADE B
- HIGH STRENGTH BOLTS: ASTM A-325 SLIP CRITICAL
- SHOP CONNECTIONS: WELDED UNLESS OTHERWISE NOTED
- FIELD CONNECTIONS: 3/4" HIGH STRENGTH BOLTS, AS REQUIRED
- ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS IN ACCORDANCE WITH LATEST AWS D1.1 STRUCTURAL WELDING CODE.
- ALL ELECTRODES USED FOR SUBMERGED ARC AND SHIELDED METAL ARC WELDING SHALL BE COMPATIBLE WITH THE STRUCTURAL STEEL AS SPECIFIED IN AWS AND AISC.
- PROVIDE ONE SHOP COAT OF A RUST INHIBITIVE PRIMER TO ALL STRUCTURAL STEEL MEMBERS. MINIMUM SURFACE PREPARATION TO BE SSPC-SP4, POWER TOOL CLEAN. DO NOT PAINT SURFACES TO BE WELDED, EMBEDDED IN CONCRETE OR MASONRY, OR CONTACT SURFACES OF FRICTION CONNECTIONS.

STEEL LINTEL SCHEDULE:

- PROVIDE STEEL LINTELS PER THE FOLLOWING SCHEDULE IN ALL MASONRY WALL OPENINGS WHEN NOT SHOWN ON DRAWINGS, OR IN OPENINGS REQUIRED BY THE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.
  - FOR OPENINGS UP TO 4'-0" :3 1/2"x3 1/2"x1/4" L.L.V.
  - FOR OPENINGS FROM TO 4'-1" TO 6'-0" :5"x3 1/2"x5/16" L.L.V.
  - FOR OPENINGS FROM TO 6'-1" TO 7'-0" :6"x3 1/2"x5/16" L.L.V.
  - FOR OPENINGS FROM TO 7'-1" TO 10'-0" :W8x18 WITH 5/16" PLATE WELDED TO BOTTOM FLANGE
- FOR OPENINGS GREATER THAN 10'-0" AND NOT SHOWN ON PLANS CONTACT STRUCTURAL ENGINEER, ALLOW FOR MINIMUM BEAM WEIGHT OF 36 PLF PLUS LINTEL PLATE.
- ALL LINTELS SHALL HAVE 1" OF BEARING FOR EACH FOOT OF SPAN WITH A MINIMUM OF 6" BEARING AT EACH END.
- ALL LINTELS SHALL BEAR ON 8" OF SOLID MASONRY, UNLESS NOTED OTHERWISE.
- USE ONE ANGLE FOR EACH 4" WYTHE OF MASONRY. PLATES ARE TO BE 1" LESS THAN NOMINAL WALL THICKNESS.
- MINIMUM THICKNESS OF LINTELS IN EXTERIOR WALLS TO BE 5/16".

ROUGH CARPENTRY:

1. DETAIL, FABRICATE, AND ERECT ALL STRUCTURAL LUMBER IN ACCORDANCE WITH NATIONAL DESIGN SPECIFICATION BY NATIONAL FOREST PRODUCTS ASSOCIATION AND TIMBER CONSTRUCTION MANUAL BY BY AMERICAN INSTITUTE OF TIMBER CONSTRUCTION, LATEST EDITION
2. MATERIALS:
   S4S LUMBER (ASLS PS 20)
   SPECIES: DOUGLAS FIR, HEM FIR OR S-P-F OR AS SELECTED BY ARCHITECT GRADE: NO. 2 OR BETTER, 19% MC, KILN DRIED
   "I" JOISTS: ENGINEERED LVL FLANGES WITH OSB WEB, ASTM D 5055 AND APA PRI-400 ALTERNATE MANUFACTURERS MAY BE SUBSTITUTED FOR SIZES SPECIFIED VALUES EQUAL OR EXCEED THOSE I PROVIDED BOTH MOMENT CAPACITY AND E OF SPECIFIED PRODUCT
   GLUE LAMINATED LUMBER (AITC 103 AND 117):
   Fb = 2400 PSI Fv = 200 PSI E = 1,700,000 PSI
   ADHESIVE TO BE WATER RESISTANT TYPE
   LAMINATED VENEER LUMBER (LVL) (ASTM D 5456)
   Fb = 2800 PSI Fv = 105 PSI E = 1,900,000 PSI

   SHEATHING: APA RATED FOR APPLICATION:
   EXTERIOR GRADE AT ROOFS
   EXPOSURE 1 FOR WALLS AND FLOORS
   PLYWOOD - APA VOLUNTARY STANDARD PS-1
   ORIENTATED STRAND BOARD - VOLUNTARY STANDARD PS-2

   TREATED LUMBER - TO BE FACTORY PRESSURE APPLIED AS FOLLOWS:
   EXTERIOR EXPOSURES GROUND CONTACT, AWPA UC3B OR UC4B
   FIRE RESISTANT: AWPA UCFA FOR INTERIOR AND UCFB FOR EXTERIOR.
   SEE ARCHITECTURAL DRAWINGS FOR FIRE TREATED LUMBER LOCATIONS.
3. LUMBER SUPPLIER SHALL FURNISH ALL APPROPRIATE CONNECTIONS FOR ATTACHING LUMBER FRAMING AND ANCHORING TO ADJACENT CONSTRUCTION. CONNECTIONS SHALL BE MADE WITH STANDARD DESIGNS, FABRICATED FROM 16 OR 18 GA. SHEET METAL FOR SINGLE OR DOUBLE 2x LUMBER MEMBERS OR 7, 12 OR 14 GA. STEEL PLATE FOR MULTIPLE PLY, GLULAM OR LVL MEMBERS, AS AS MANUFACTURED BY CLEVE STL SPEC, U S P, SIMPSON STRONGTIE, OR EQUAL. DETAILS SHALL CONFORM TO AITC STANDARD NO. 104.
4. BOLTS, NAILS, SPIKES, AND OTHER CONNECTORS SHALL BE APPROPRIATE FOR THE USE INTENDED. FASTENERS EXPOSED TO FIRE-TREATED LUMBER, CHEMICAL FUMES, WEATHER AND/OR HIGH HUMIDITY SHALL BE HOT DIPPED GALVANIZED. UNLESS INDICATED OTHERWISE ON DRAWINGS.
5. ALL CONNECTORS, FASTENERS, NAILS, BOLTS AND SPIKES USED FOR PRESSURE TREATED LUMBER CONNECTIONS SHALL BE FABRICATED FROM STAINLESS STEEL, TYPE 304 OR 316.
6. DESIGN, FABRICATE AND ERECT PRE-ENGINEERED WOOD TRUSSES IN ACCORDANCE WITH TRUSS PLATE INSTITUTE "DESIGN SPECIFICATION FOR METAL PLATE CONNECTED WOOD TRUSSES." SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION. DRAWINGS ARE TO INCLUDE: DESIGN LOADS, REACTIONS, MEMBER SIZES, STRESSES, PLATE SIZES, DIMENSIONS, AND ERECTION DRAWINGS AS REQUIRED. TRUSS MANUFACTURER TO PROVIDE CERTIFIED DOCUMENTS INDICATING THE MANUFACTURER HAS A MINIMUM OF 5 YEARS EXPERIENCE IN DESIGNING AND PRODUCING TRUSSES FOR NON-RESIDENTIAL CONSTRUCTION. FAILURE TO SUBMIT THIS DOCUMENT WILL BE CAUSE FOR REJECTION OF TRUSS MANUFACTURER AND ANY TRUSS SUBMITTALS.
7. ERECT PRE-ENGINEERED WOOD TRUSSES IN ACCORDANCE WITH TRUSS PLATE INSTITUTE DSB-89 "TEMPORARY BRACING OF METAL PLATE CONNECTED WOOD TRUSSES" INCLUDING GROUND BRACE, LATERAL BRACES AND DIAGONAL 'X' BRACES. IF NOT SHOWN OTHERWISE ON CONSTRUCTION DOCUMENTS, TEMPORARY BRACING IS TO BE LEFT PERMANENTLY IN PLACE. PROVIDE WOOD HEADERS AS PER THE FOLLOWING SCHEDULE IN ALL STUD WALL
8. OPENINGS WHEN NOT SHOWN ON DRAWINGS, OR IN OPENINGS REQUIRED BY THE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.
   FOR OPENINGS FROM 4'-0" TO 6'-0": 2-2x10's
   FOR OPENINGS FROM 6'-1" TO 8'-0": 2-2x12's
   FOR OPENINGS FROM 8'-1" TO 10'-0": 2-1 3/4 x 11 7/8 LVL
9. STUD SCHEDULE - USE THE FOLLOWING SCHEDULE, UNLESS NOTED OTHERWISE ON PLANS. PROVIDE ONE ADDITIONAL KING STUD EACH SIDE, FULLY NAILED TO JACK STUDS.

MAX OPENING SIZE	BEARING WALLS	NON-BEARING WALLS
UP TO 4'	ONE	ONE
OVER 4' TO 8'	2	ONE
OVER 8' TO 12'	3	2
OVER 12'	SEE PLAN	2

10. ADD ONE 2x MEMBER FOR EACH 2" NOMINAL WALL WIDTH. 11. PROVIDE BEARING JACK-STUDS EQUAL TO NUMBER OF BEAM LAMINATIONS PLUS ONE KING-STUD AT ALL BEAM BEARING LOCATIONS. STUDS ARE TO EXTEND DOWN TO SOLID OR BEAM BEARING OR AS NEEDED. BLOCK SOLID AS NEEDED.

STATE OF OHIO
ANTHONY PASKEVICH 5924
Registered Architects

ANTHONY PASKEVICH, LICENSE # 5924
EXPIRATION DATE: 12-31-17

DATES:

PROGRESS PRINTS
OWNER REVIEW
9 AUGUST 2017
16 AUGUST 2017
23 AUGUST 2017
FOR STRUCTURE
6 SEPTEMBER 2017
FOR PERMIT
11 SEPTEMBER 2017
OWNER REVIEW
13 OCTOBER 2017
FOR PERMIT
30 OCTOBER 2017

ADDITION & ALTERATIONS TO THE:
ZUCCARO RESIDENCE
568 BARLOW ROAD
HUDSON, OHIO 44236

PASKEVICH & ASSOCIATES ARCHITECTS ©
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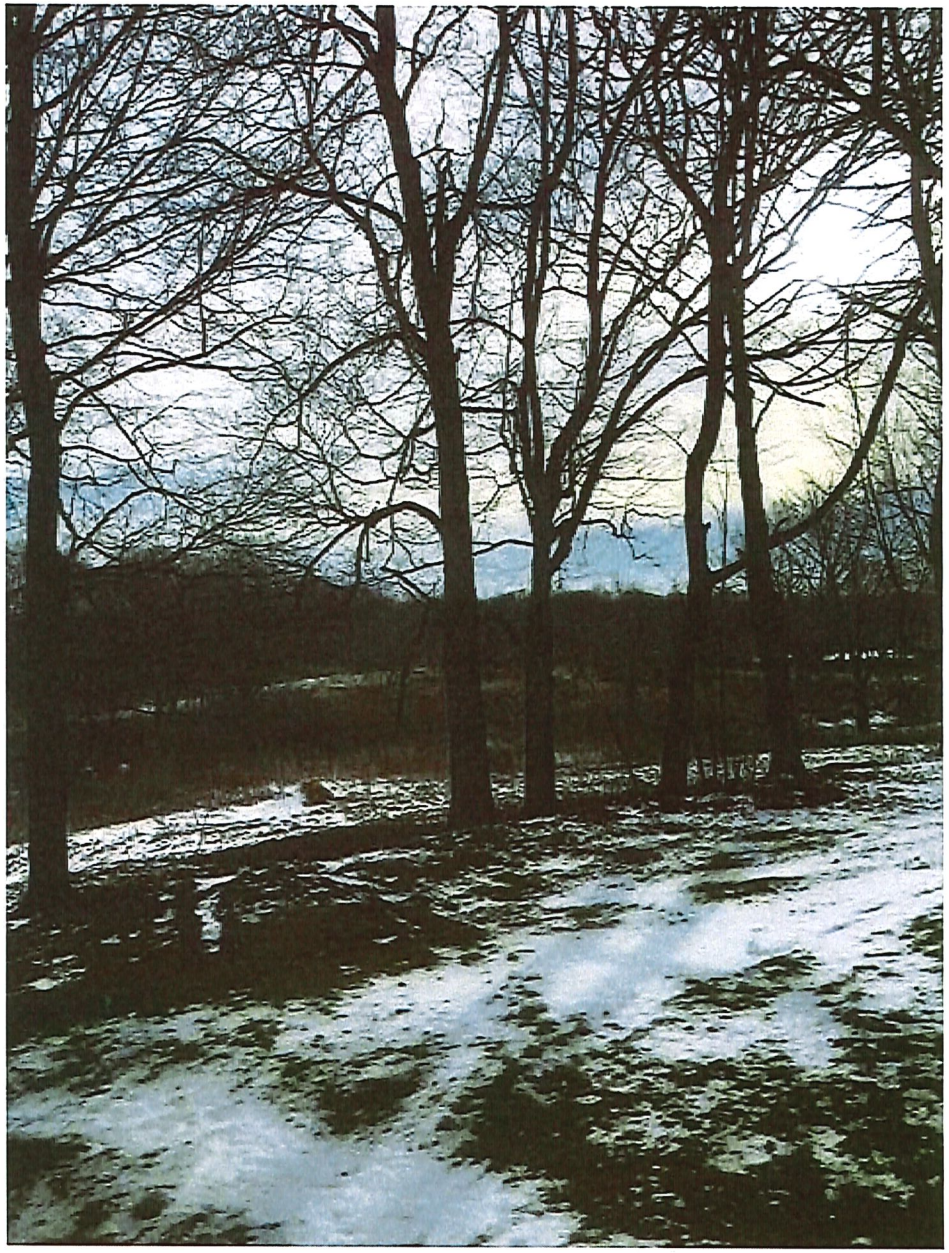
COMM. No. 1744

DRAWINGS THIS SHEET
ARCHITECTURAL/STRUCTURAL NOTES

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