

VLOEDMAN RESIDENCE

Peter & Deborah Vloedman

541 Atterbury Road
Villanova, PA 19085

Radnor Township, Delaware County

ADDITION AND RENOVATIONS

PROJECT NO.	DRAWN BY	CHK'D BY
B2876	EMH	RJK
NO.	DATE	BY
1	06/05/08	
2	06-10-08	EMH
3	07-01-08	EMH
4	08-19-08	EMH
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Contact Person:
Edward (Kipp) Happ
(610) 917-8831

PROJECT NO.		DRAWN BY	CHK'D BY
B2876		EMH	RJK
NO.	DATE	BY	ISSUE
1	06/05/08		ISSUED FOR CLIENT REVIEW
2	06-10-08	EMH	REVISED PLAN LAYOUT & FURNITURE LAYOUT
3	07-01-08	EMH	REVISED PLAN - REDUCED SQ.FT.
4	08-19-08	EMH	ISSUED FOR PERMIT & CONSTRUCTION
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APPROVED BY
Robin J. Kohn, AIA

CURRENT DATE
Sept 19, 2008

VLOEDMAN RESIDENCE
541 Atterbury Road
Villanova, PA 19085

Radnor Township
Delaware County

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T-1

REV
4

LEGEND

ADJ ADJUSTABLE	MNL MINIMUM	USGS U.S. GEOLOGICAL SURVEY
AGL ABOVE GROUND LEVEL	MTL METAL	WWF WELDED WIRE FABRIC
AMSL ABOVE MEAN SEA LEVEL	NIC NOT IN CONTRACT	A-1 ANTENNA MARK NUMBER
APPROX APPROXIMATE	NTS NOT TO SCALE	(E) EXISTING
CAB CABINET	OC ON CENTER	(N) NEW
CONC CONCRETE	OHP OVERHEAD POWER	(P) PROPOSED
CONT CONTINUOUS	OHT OVERHEAD TELCO	C CENTERLINE
CONST CONSTRUCTION	PWR POWER	E PLATE
COAX COAXIAL	SF SQUARE FOOT	B/W BARBED WIRE
CJ CONSTRUCTION JOINT	SHT SHEET	C/L CHAINLINK
DIA DIAMETER	SM SIMILAR	# DIAMETER
DTL DETAIL	SS STAINLESS STEEL	H HEIGHT
DWG DRAWING	STL STEEL	W WIDTH
EA EACH	TELECO TELEPHONE COMPANY	D DEPTH
ELEC ELECTRIC	TO TOP OF	W/ WITH
ELEV ELEVATION	TYP TYPICAL	
EQ EQUAL	UNLESS OTHERWISE NOTED	
EQUIP EQUIPMENT	VERT VERTICAL	
EXT EXTERIOR	VIF VERIFY IN FIELD	
FF FINISH FLOOR	XFMER TRANSFORMER	
FTG FOOTING		
GA GAUGE		
GALV GALVANIZED		
GC GENERAL CONTRACTOR		
GRND GROUND		
HORIZ HORIZONTAL		
INT INTERIOR		
LQ LONG		
MAX MAXIMUM		
MFG MANUFACTURER		

2	SECTION NUMBER
S-1	SHEET NUMBER
4	SECTION NUMBER
S-1	SHEET NUMBER
5	SECTION NUMBER
E-1	SHEET NO.

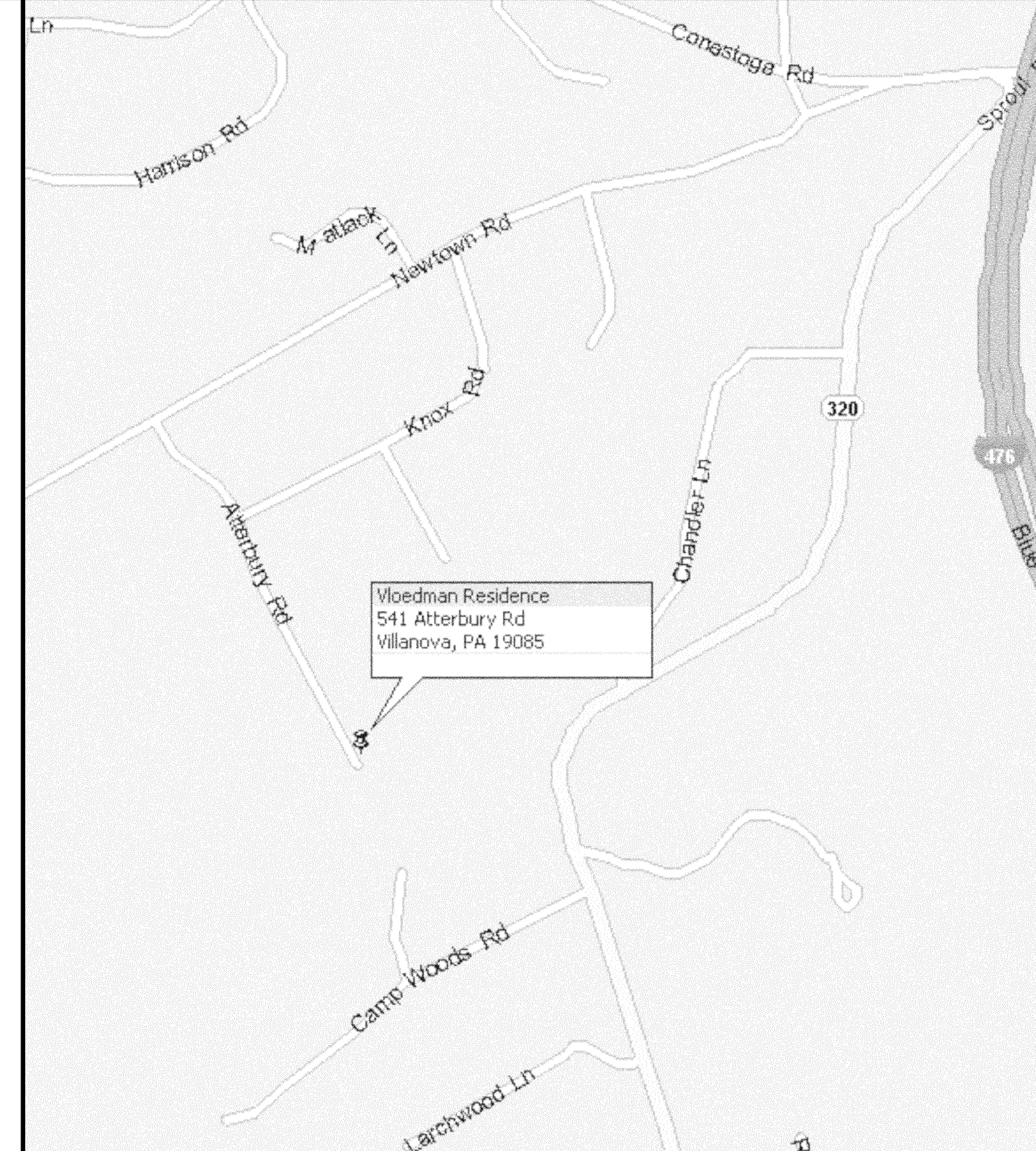
2	REVISION NUMBER
DATUM ELEVATION	
MATCH LINE	
(TB) TEST BORING	
(WP) WORK POINT	
(DP) DATUM POINT	

CAST IN PLACE OR PRE-CAST CONCRETE	CRUSHED STONE, GRAVEL OR POROUS FILL	STEEL
LIGHT WEIGHT CONCRETE	PLASTER CEMENT, SAND, GROUT	METAL, ALUMINUM, ETC.
EARTH UNDISTURBED	ROCK OR STONE	CONCRETE MASONRY UNIT
EARTH BACK FILL	RIGID INSULATION	BRICK

DRAWING INDEX

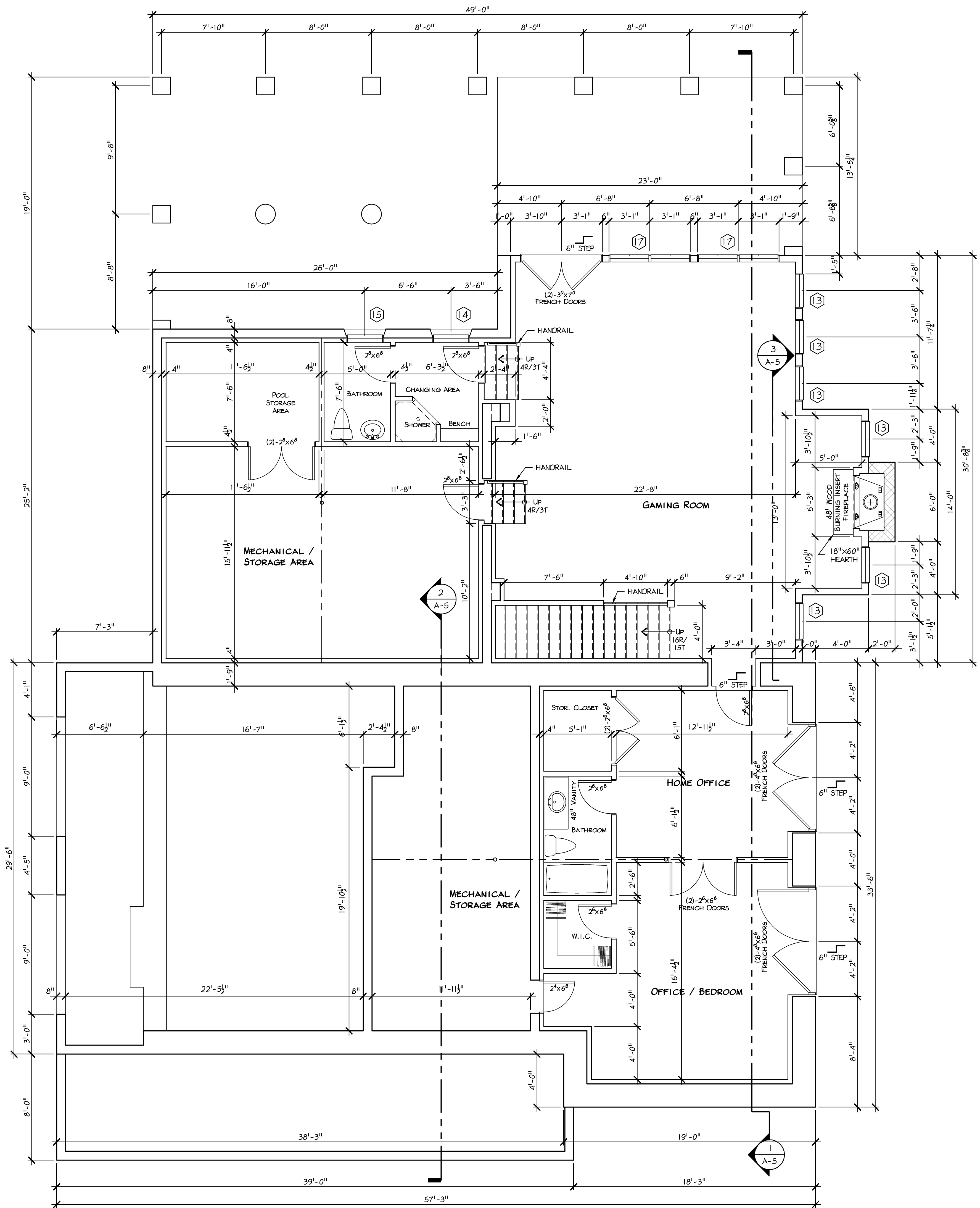
- T-1 TITLE SHEET
- A-1 GROUND FLOOR PLAN
- A-2 FIRST & SECOND FLOOR PLANS
- A-3 FRONT & SOUTH SIDE ELEVATIONS
- A-4 REAR & NORTH SIDE ELEVATION
- A-5 BUILDING SECTION WINDOW SCHEDULE & DETAILS
- A-6 EXTERIOR FINISH DETAILS
- S-1 FOUNDATION & FIRST FLOOR FRAMING PLAN
- S-2 SECOND FLOOR & ROOF FRAMING PLANS
- S-3 DETAILS & NOTES
- S-4 TRUSS NOTES & DETAILS
- E-1 ELECTRICAL - GROUND FLOOR & PANEL SCHEDULES
- E-2 ELECTRICAL - FIRST & SECOND FLOORS

VICINITY MAP



GENERAL NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE IBC CODE ADOPTED BY RADNOR TOWNSHIP, DELAWARE COUNTY IN THE COMMONWEALTH OF PENNSYLVANIA.
- GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, STRUCTURE AND MATERIALS, AND SHALL BRING ANY DISCREPANCIES TO THE IMMEDIATE ATTENTION OF THE ARCHITECT.
- ALL FOOTING EXCAVATION SHALL BE CARRIED A MINIMUM OF 18" INTO SOLID UNDISTURBED SOIL HAVING A MINIMUM BEARING CAPACITY OF 3,000 PSF. BOTTOMS OF ALL FOOTINGS SHALL BE A MINIMUM OF 3'-0" BELOW FINISHED GRADE.
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,500 PSI AFTER 28 DAYS.
- 4" DIAMETER PVC PERFORATED FOOTING DRAINS SHALL BE INSTALLED IN GRAVEL BEDS WITH FABRIC WRAP PROTECTION AT OWNERS / CONTRACTOR'S OPTION.
- STRUCTURAL BEAMS AND COLUMNS SHALL BE WPA SELECT STRUCTURAL HEM/FIR NO. 1 HAVING A FB OF 975 PSI. FLOOR AND CEILING JOISTS AND RAFTERS SHALL BE WPA #2 GRADE HEM/FIR HAVING A FB OF 850 PSI. WALL STUDS SHALL BE WPA #2 GRADE HEM/FIR HAVING A FB OF 675 PSI.
- ALL EXTERIOR DECKING, POSTS, AND JOISTS SHALL BE PRESSURE-TREATED U.N.O.
- WOOD SILLS ON CONCRETE OR CMU SHALL BE PRESSURE-TREATED AND PROVIDED WITH TERMITE SHIELDS AT ALL FOUNDATION WALLS.
- ALL EXTERIOR NAILS, BOLTS, ANCHORS, AND HANGERS SHALL BE STAINLESS STEEL OR TRIPLE HOT DIPPED GALVANIZED.
- DOUBLE FLOOR JOISTS SHALL BE INSTALLED UNDER ALL PARTITIONS WHICH ARE PARALLEL TO JOISTS.
- ALL JOISTS SHALL HAVE SOLID BRIDGED AT 6'-0" O.C. (MAX.). JOISTS SPANNING LESS THAN 12'-0" SHALL BE BRIDGED AT MIDSPAN.
- SHADED PARTITIONS INDICATE 2X6 STUDS.
- DARKENED POSTS INDICATE 2 STUD MINIMUM, UNLESS NOTED OTHERWISE.
- ALL CORNERS OF THE STRUCTURE SHALL BE SHEATHED WITH 1/2" APA RATED SHEATHING. EXPOSURE 1 NAILED WITH 6D COMMON NAILS 6" O.C. (MAX.) AT PANEL EDGES AND 12" O.C. (MAX.) AT INTERMEDIATE SUPPORTS. BALANCE OF SHEATHING SHALL BE AT OWNER / BUILDER'S OPTION.
- BUILDING SHALL BE SHEATHED WITH (MIN.) 30# ASPHALT-IMPREGNATED FELT OR TYVEK HOUSE WRAP.
- WINDOW SIZES ARE BASED UPON ANDERSON 400 SERIES WINDOWS. ALL GLAZING OVER 9 SQUARE FEET AND/OR WITHIN 18" OF FLOOR AND IN HAZARDOUS LOCATIONS SHALL BE TEMPERED.
- ALL STUD FRAMED WALLS GREATER THAN 8'-6" VERTICALLY SHALL BE LATERALLY BRACED AT THE MIDPOINT WITH SOLID BLOCKING.
- INTERIOR PARTITIONS SHALL RECEIVE 1/2" (MIN.) GYPSUM DRYWALL.
- NO BACKFILLING OR ROUGH GRADING SHALL BE DONE UNTIL THE CONCRETE FOUNDATION AND SLAB HAS CURED FOR A MINIMUM OF 14 DAYS.
- ALL DIMENSIONS ARE TO FINISH FACE, CONCRETE OR C.M.U. FACE, AND EXTERIOR SHEATHING FACE.
- MASONRY AND STONE VENEERS SHALL BE ANCHORED TO SHEATHING WITH GALVANIZED CORRUGATED METAL TIES AT 32" O.C. HORIZONTALLY AND 16" O.C. VERTICALLY. FLASHING SHALL EXTEND BELOW MASONRY OR STONE AT ALL SILLS; WEEP HOLES SHALL BE PROVIDED AT 4'-0" O.C. AT BASE OF CAVITY.
- METAL HEAD FLASHING SHALL BE INSTALLED IN ALL WINDOWS THAT ARE NOT LOCATED IMMEDIATELY BELOW AN 8" (MINIMUM) EAVE PROJECTION. MINIMUM 6" WIDE 30# BUILDING PAPER FLASHING SHALL BE INSTALLED AROUND ALL PRIMED WOOD WINDOWS.
- ALLOW A MINIMUM OF 8" BETWEEN THE TOP OF FOUNDATION AND GRADE AND A MINIMUM OF 6" BETWEEN FINISH GRADE AND SHEATHING OR SIDING.
- ALL SMOKE DETECTORS SHALL BE INTERCONNECTED. ALL DETECTORS SHALL HAVE A PRIMARY 120 VOLT SUPPLY AND A SECONDARY SYSTEM CONSISTING OF A BATTERY BACK-UP.
- CONSULT MANUFACTURER SPECIFICATIONS OF ENGINEERED LUMBER. PAY PARTICULAR ATTENTION TO ASSEMBLY OF MULTIPLE MEMBER BEAMS, NAILING PROCEDURES & CUT OUTS FOR UTILITIES.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND ACCOMMODATION OF HVAC, PLUMBING, AND ELECTRICAL SYSTEMS. NO STRUCTURAL OR ARCHITECTURAL CHANGES SHALL BE MADE WITHOUT PRIOR APPROVAL BY THE ARCHITECT.



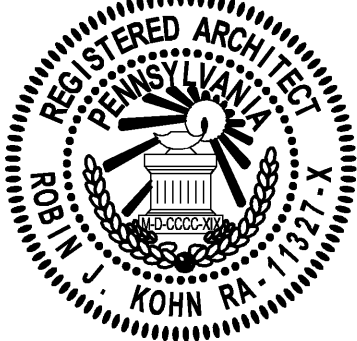
1 GROUND FLOOR PLAN
A-1 Scale: 1/4" = 1'-0"

GENERAL NOTES:

- ALL INTERIOR WALLS SHALL BE 2x4 STUDS AT 16" O.C. MAXIMUM UNLESS NOTED OTHERWISE.
- ALL EXTERIOR WALLS SHALL BE 2x6 STUDS AT 16" O.C. MAXIMUM UNLESS NOTED OTHERWISE.
- INSTALLATION OF FRAMING SHALL COMPLY WITH ALL APPLICABLE CODES AND LOCAL ORDINANCES.
- WHERE DRAWINGS ARE IN CONFLICT WITH OTHER DRAWINGS, CONTRACTOR SHALL NOTIFY THE ARCHITECT.
- PROVIDE SOLID BRIDGING AT 1/3 INTERVALS OF SPAN. (TYP. ALL JOIST)
- ALL WALLS ARE DIMENSIONED TO FINISH.
INTERIOR - 1/2" G.W.B. BOTH SIDES
EXTERIOR - 1/2" G.W.B. & 1/2" PLYWD.

FLOOR AREA

	GROSS AREA	NET AREA	
GROUND FLOOR	1643	1400	SQ.FT.
FIRST FLOOR	2500	2320	SQ.FT.
SECOND FLOOR	2705	2554	SQ.FT.
TOTAL	6848	6294	SQ.FT.
2-CAR GARAGE	678		SQ.FT.
TOTAL	678		SQ.FT.
EXTERIOR PATIOS	1430		SQ.FT.
TOTAL	1430		SQ.FT.



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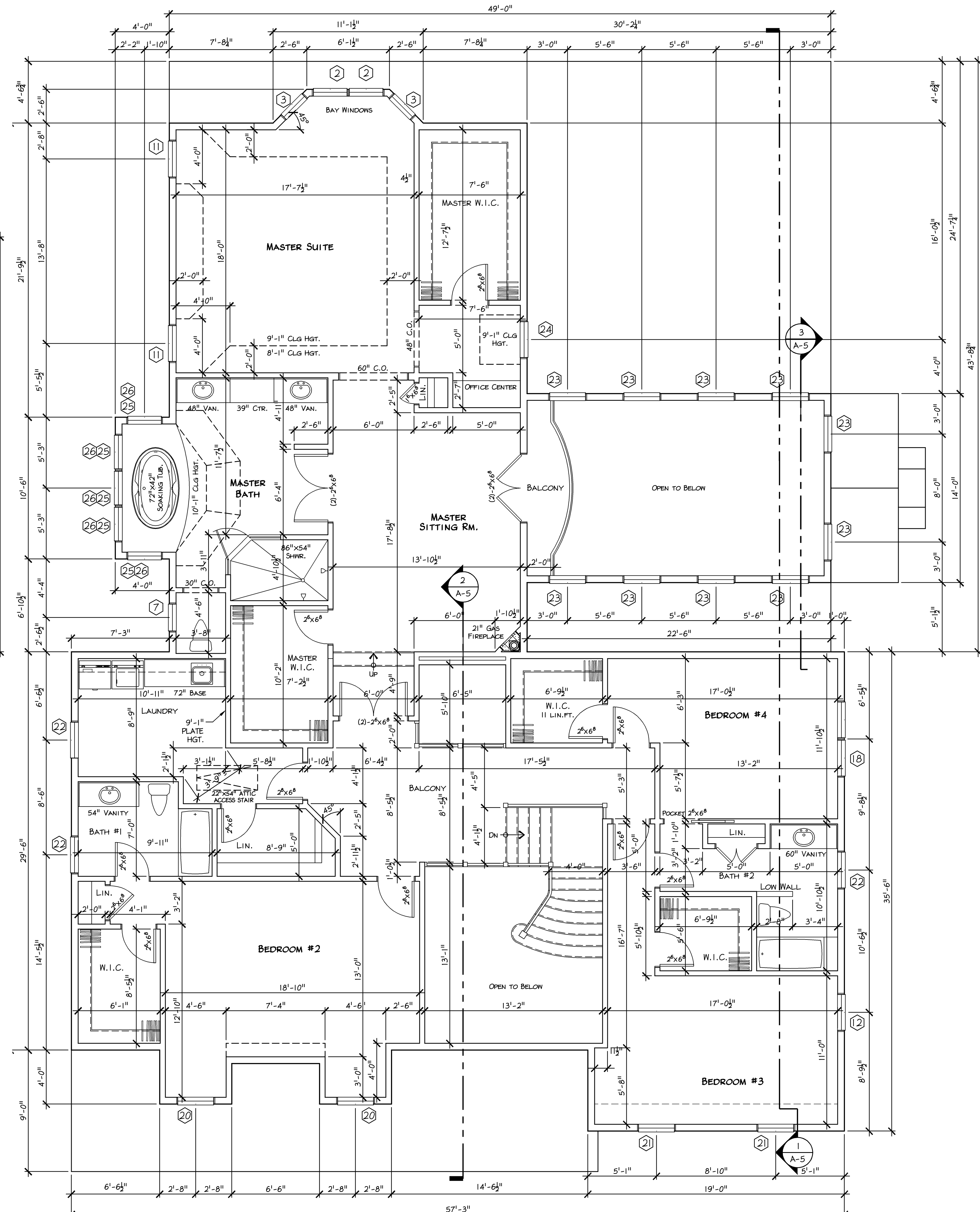
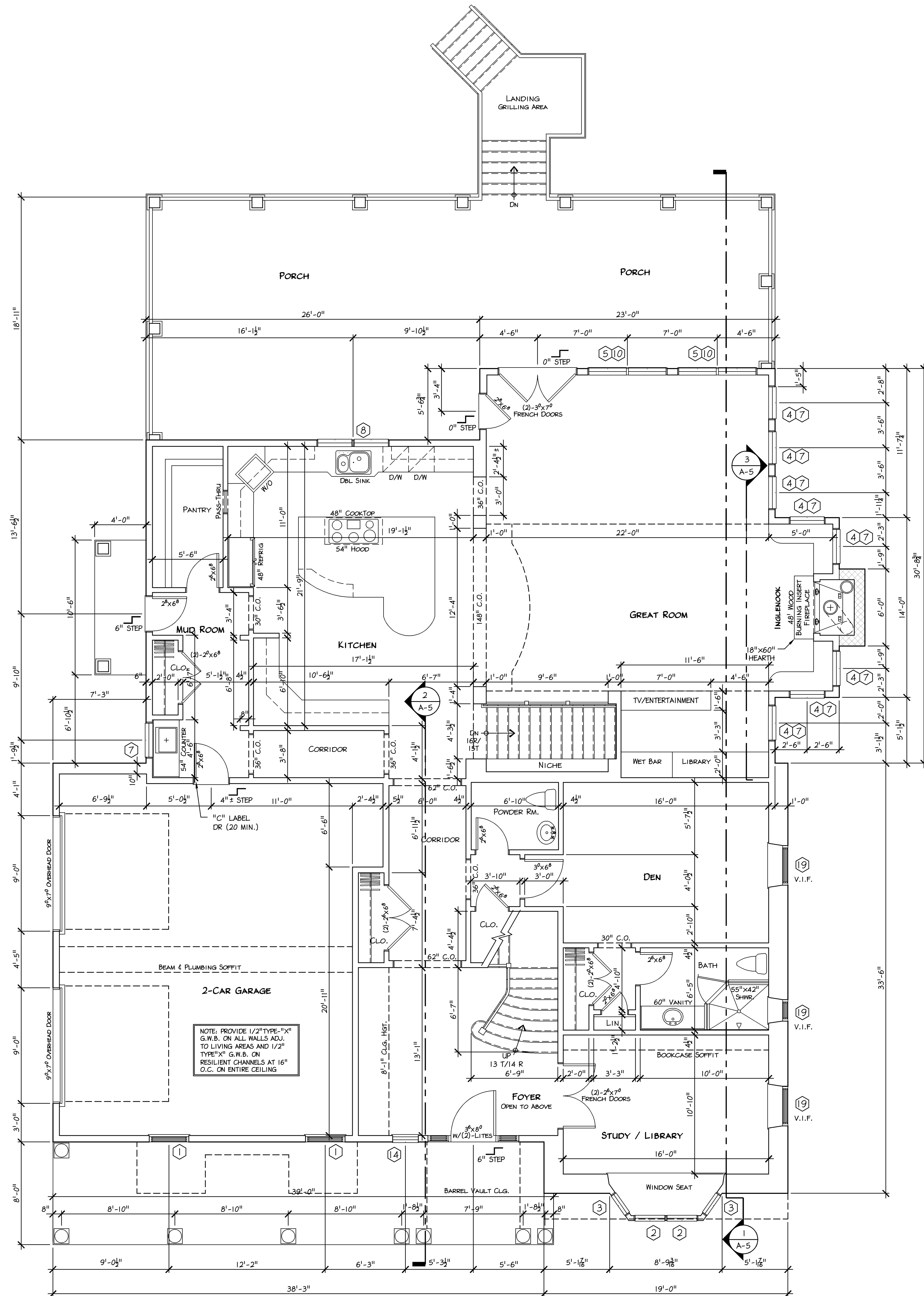
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Robin J. Kohn, AIA	Sept 19, 2008

VLOEDMAN RESIDENCE
541 Atterbury Road
Villanova, PA 19085

Radnor Township
Delaware County

SHEET TITLE
GROUND FLOOR PLAN

SHEET NUMBER
A-1
REV
4



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2 SIDE ELEVATION (SOUTH)
A-3 Scale: 1/4" = 1'- 0"



1 FRONT ELEVATION
A-3 Scale: 1/4" = 1'- 0"

ATTIC VENTILATION		
	REQUIRED	PROVIDED
MAIN ROOF	14.34	25.00
FAMILY RM ROOF	4.64	6.34
MASTER STE. ROOF	6.94	16.00

NOTE:
AREAS ARE CALCULATED BY 1/150 OF THE ATTIC FLOOR AREA. 50% OF AREA AT THE RIDGE, 50% OF AREA AT THE SOFFIT.

ELEVATION KEYNOTES

- 3.0 CONCRETE
- 3.1 CONCRETE PAVERS
EP HENRY - OLD TOWNE COBBLE
- 3.2 CEMENT STUCCO OR
DRYVIT FINISHING SYSTEM
- 3.3 CEMENT STUCCO OR DRYVIT
FINISHING SYSTEM / BUILD-UP TRIM
- 4.0 MASONRY
- 4.1 ASHLAR FLAGSTONE - PATIO
COLOR TO BE CHOSEN BY OWNER
- 4.2 STONE - ASHLAR SCHIST
VENEER STONE
- 4.3 CAP STONE - SCHIST
WATERTABLE CAP STONE
- 6.0 WOODS AND PLASTICS
- 6.1 CEMENTITIOUS HORIZONTAL SIDING
HARDIEPLANK - LAP SIDING
- 6.2 CEMENTITIOUS SIDING
HARDIEPLANK - SIDING
- 6.3 GABLE END / BARGEBOARD TRIM
AZEK TRIM PANELS
- 6.4 GABLE END / FREEZE TRIM
AZEK TRIM PANELS
- 6.5 FASCIA TRIM
AZEK TRIM PANELS
- 6.6 FASCIA / FREEZE TRIM
AZEK TRIM PANELS
- 6.7 BAY / DORMER FASCIA TRIM
AZEK TRIM PANELS
- 6.8 BAY / DORMER GABLE END TRIM
AZEK TRIM PANELS
- 6.9 WINDOW / DOOR HEADER
AZEK TRIM
- 6.10 DORMER HEAD TRIM
AZEK TRIM
- 6.11 WINDOW / DOOR SIDE TRIM
AZEK TRIM
- 6.12 WINDOW SHUTTERS
PYRON - RAISED PANEL
- 6.13 WINDOW SILL EXTENSIONS
PYRON - MOLDING
- 6.14 WINDOW PANELS
PYRON - RAISED PANEL
- 6.15 COLUMN - PLAIN TAPERED
12" DIA. ROUND - RED CEDAR
- 6.16 LATTICE
FIBERGLASS OR CEMENTITIOUS
RED CEDAR
- 6.17 2x8 JOIST - DECORATIVE
RED CEDAR
- 6.18 2x2 PURLIN
RED CEDAR
- 6.19 RAILING, BALLUSTERS & POSTS
CEBETAINITEED - COMPOSITE RAILING
- 6.20 IPE DECKING OR COMPOSITE
5/4x DECKING MATERIAL
- 6.21 PYRON MOLDING / 1 X TRIM
- 7.0 THERMAL & MOISTURE PROTECTION
- 7.1 ROOF SHINGLES - ARCHITECTURAL
STYLE (30 YR. WARRANTY)
- 7.2 RIDGE VENT - BENJAMIN OBYKE
XTRACTOR VENT - SERIES: X18
- 7.3 FLASHING - 16oz COPPER
- 7.4 BARREL ROOF - 16oz COPPER
STANDING METAL ROOF
- 7.5 LOW SLOPED METAL ROOF
STANDING SEAM METAL ROOF
- 10.0 SPECIALTIES
- 10.1 GABLE END LOUVER
PYRON - OPEN IV/ SCREEN (L.I.N.O.)
- 10.2 GARAGE DOORS
- 10.3 FIBERGLASS SCREENING
SET IN ALUM. OR WOOD FRAME
- 10.4 FIREPLACE CHIMNEY POTS
16"W x 39"H

Robin J. Kohn AIA
Commonwealth of Pennsylvania
License No. RA-11327-X

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Radnor Township
Delaware County

SHEET TITLE
FRONT & SOUTH SIDE ELEVATIONS

SHEET NUMBER
A-3
REV
4



2 SIDE ELEVATION (NORTH)
A-4 Scale: 1/4" = 1'- 0"



1 REAR ELEVATION
A-4 Scale: 1/4" = 1'- 0"

ATTIC VENTILATION

	REQUIRED	PROVIDED	
MAIN ROOF	14.34	25.00	Sq.Ft.
FAMILY RM ROOF	4.64	6.34	Sq.Ft.
MASTER STE. ROOF	6.94	16.00	Sq.Ft.

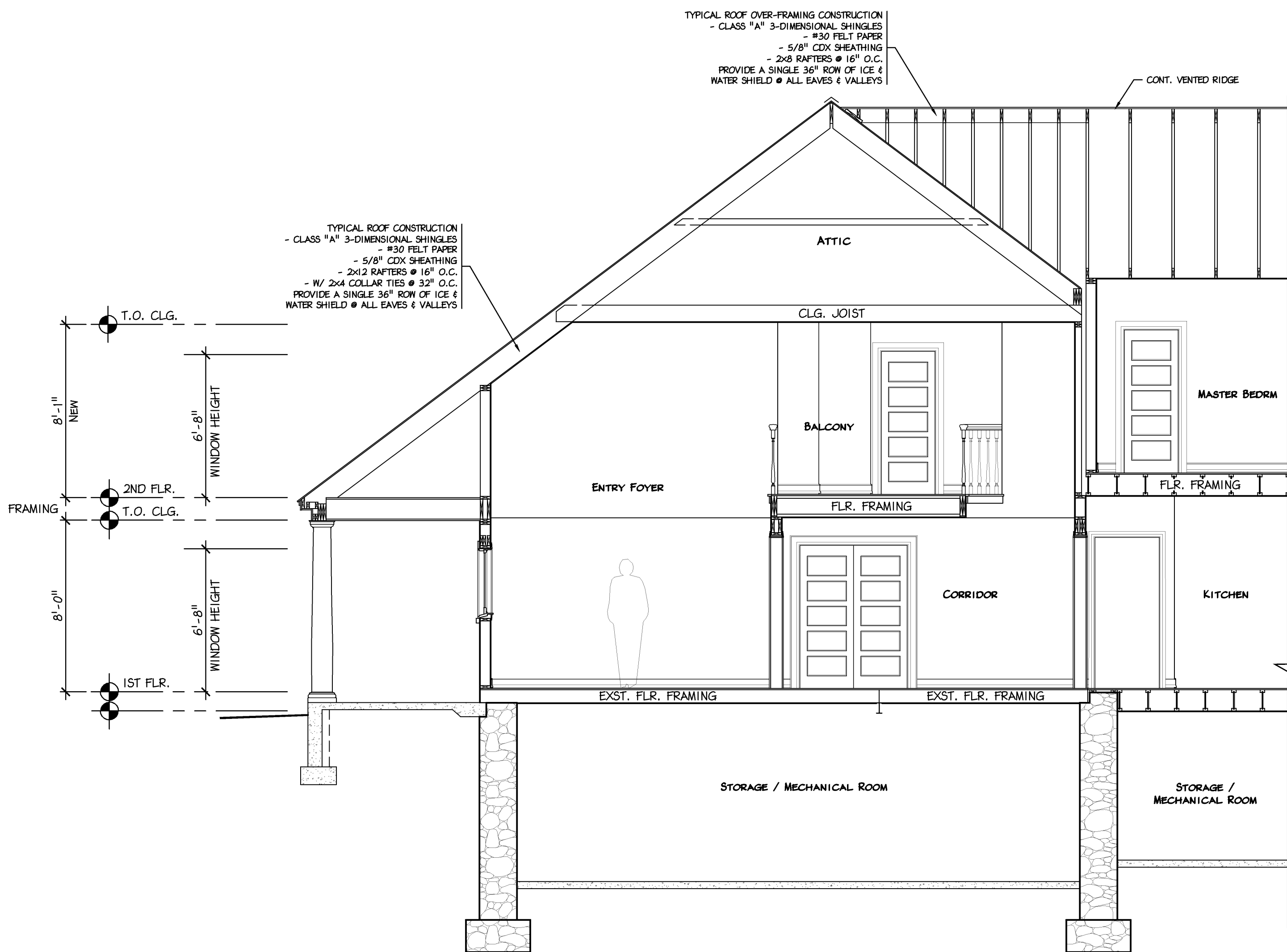
NOTE:
AREAS ARE CALCULATED BY 1/150 OF THE ATTIC FLOOR AREA. 50% OF AREA AT THE RIDGE, 50% OF AREA AT THE SOFFIT.

ELEVATION KEYNOTES

- 3.0 CONCRETE**
- 3.1 CONCRETE PAVES
 - 3.2 CEMENT STUCCO OR DRYVIT FINISHING SYSTEM
 - 3.3 CEMENT STUCCO OR DRYVIT FINISHING SYSTEM / BUILD-UP TRIM
- 4.0 MASONRY**
- 4.1 ASHLAR FLAGSTONE - PATIO COLOR TO BE CHOSEN BY OWNER
 - 4.2 STONE - ASHLAR SCHIST VENEER STONE
 - 4.3 CAP STONE - SCHIST WATERTABLE CAP STONE
- 6.0 WOODS AND PLASTICS**
- 6.1 CEMENTITIOUS HORIZONTAL SIDING HARDIEPLANK - LAP SIDING
 - 6.2 CEMENTITIOUS SIDING HARDIEPLANK - SIDING
 - 6.3 GABLE END / BARGEBOARD TRIM AZEK TRIM PANELS
 - 6.4 GABLE END / FREEZE TRIM AZEK TRIM PANELS
 - 6.5 FASCIA TRIM AZEK TRIM PANELS
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 - 6.7 BAY / DORMER FASCIA TRIM AZEK TRIM PANELS
 - 6.8 BAY / DORMER GABLE END TRIM AZEK TRIM PANELS
 - 6.9 WINDOW / DOOR HEADER AZEK TRIM
 - 6.10 DORMER HEAD TRIM AZEK TRIM
 - 6.11 WINDOW / DOOR SIDE TRIM AZEK TRIM
 - 6.12 WINDOW SHUTTERS PYPON - RAISED PANEL
 - 6.13 WINDOW SILL EXTENSIONS PYPON - MOLDING
 - 6.14 WINDOW PANELS PYPON - RAISED PANEL
 - 6.15 COLUMN - PLAIN TAPERED 12" DIA. ROUND - RED CEDAR
 - 6.16 LATTICE FIBERGLASS OR CEMENTITIOUS
 - 6.17 2x8 JOIST - DECORATIVE RED CEDAR
 - 6.18 2x2 PURLIN RED CEDAR
 - 6.19 RAILING, BALUSTERS & POSTS CERAMANTISED - COMPOSITE RAILING
 - 6.20 USE DECKING OR COMPOSITE 5/4x DECKING MATERIAL
 - 6.21 PYPON MOLDING / 1 X TRIM
- 7.0 THERMAL & MOISTURE PROTECTION**
- 7.1 ROOF SHINGLES - ARCHITECTURAL STYLE (30 YR. WARRANTY)
 - 7.2 RIDGE VENT - BENJAMIN OB DYKE XTRACTOR VENT - SERIES: X18
 - 7.3 FLASHING - 160Z COPPER
 - 7.4 BARREL ROOF - 160Z COPPER STANDING SEAM METAL ROOF
 - 7.5 LOW SLOPED METAL ROOF STANDING SEAM METAL ROOF
- 10.0 SPECIALTIES**
- 10.1 GABLE END LOUVER PYPON - OPEN W/ SCREEN (U.N.O.)
 - 10.2 GARAGE DOORS HOWELL-DOR - CUSTOM
 - 10.3 FIBERGLASS SCREENING SET IN ALUM. OR WOOD FRAME
 - 10.4 FIREPLACE CHIMNEY POTS 16"W x 39"H



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2 PARTIAL BUILDING SECTION
A-5 SCALE: 1/4" = 1'-0"

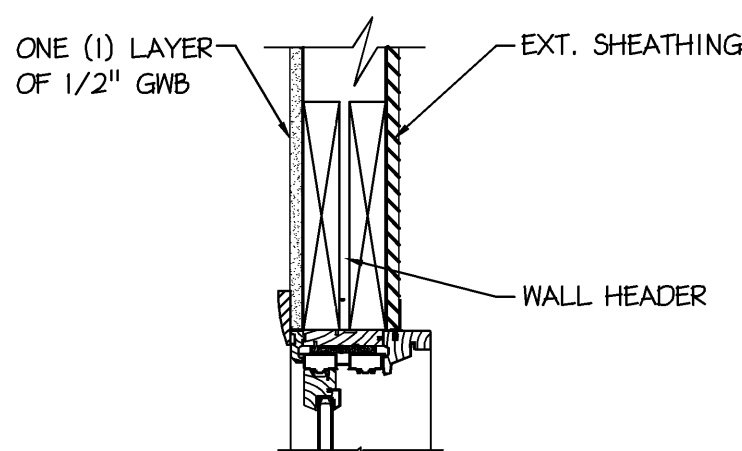


3 PARTIAL BUILDING SECTION
A-5 SCALE: 3/8" = 1'-0"

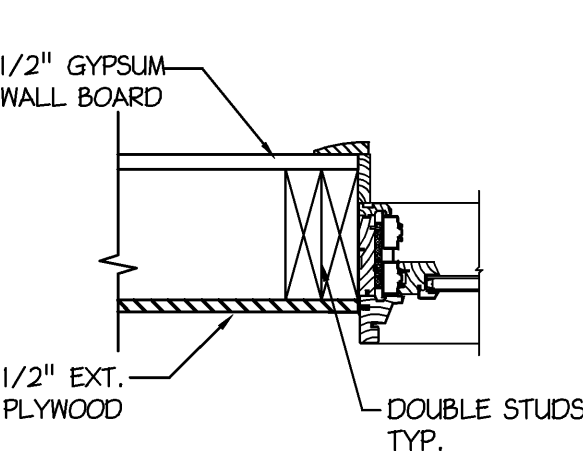
WINDOW SCHEDULE												• VERIFY ALL DIMENSIONS IN FIELD	
WINDOW NO.	QTY.	MODEL #	WINDOW		TYPE	INT. EXT.	MATERIAL	FRAME DETAILS			MOUNTING HEIGHT		REMARKS
			W	H				HEAD	JAMB	SILL			
1		WDH3456	3'-5 5/8"	5'-8 7/8"	DH	EXT	WD	6	7	8	SEE ELEV.	DOUBLE HUNG	
2		CW16	2'-4 7/8"	5'-11 7/8"	CA	EXT	WD	6	7	8	SEE ELEV.	CASEMENT	
3		CW16	1'-8 1/2"	5'-11 7/8"	CA	EXT	WD	6	7	8	SEE ELEV.	CASEMENT	
4		WDH3062	3'-2 1/8"	6'-4 7/8"	DH	EXT	WD	6	7	8	SEE ELEV.	DOUBLE HUNG	
5		WDH3062-2	6'-3 3/8"	6'-4 7/8"	2-DH	EXT	WD	6	7	8	SEE ELEV.	DOUBLE HUNG	
6		WDH2862	2'-8 1/8"	6'-4 7/8"	DH	EXT	WD	6	7	8	SEE ELEV.	DOUBLE HUNG	
7		WDH2642	2'-7 5/8"	4'-4 7/8"	DH	EXT	WD	6	7	8	SEE ELEV.	DOUBLE HUNG	
8		WU21042	2'-11 5/8"	4'-4 7/8"	DH	EXT	WD	6	7	8	SEE ELEV.	DOUBLE HUNG	
9		WTR3017	3'-2 1/4"	1'-9 3/8"	FIXED	EXT	WD	6	7	8	SEE ELEV.	TRANS	TYPE 162 UNEQUAL LEG ARCH DOUBLE HUNG
10		WTR3017-2	6'-3 3/8"	1'-9 3/8"	FIXED	EXT	WD	6	7	8	SEE ELEV.	TRANS	
11		• WDH21062	2'-11 5/8"	6'-4 7/8"	DH	EXT	WD	6	7	8	SEE ELEV.	DOUBLE HUNG - EGRESS WINDOW	
12		WDH30410	2'-8 1/8"	5'-0 7/8"	DH	EXT	WD	6	7	8	SEE ELEV.	DOUBLE HUNG	
13		WDH3046	3'-2 1/8"	4'-8 7/8"	DH	EXT	WD	6	7	8	SEE ELEV.	DOUBLE HUNG	
14		CW14	2'-7 1/2"	4'-0 1/2"	CA	EXT	WD	6	7	8	SEE ELEV.	CASEMENT	
15		CW13	2'-7 1/2"	3'-0 1/2"	CA	EXT	WD	6	7	8	SEE ELEV.	CASEMENT	
16		OVL2030	2'-0 1/2"	3'-0 1/2"	OVAL	EXT	WD	6	7	8	SEE ELEV.	OVAL DECORATIVE WINDOW	
17		• WDH3052-2	6'-3 3/8"	6'-4 7/8"	2-DH	EXT	WD	6	7	8	SEE ELEV.	DOUBLE HUNG	
18		• WDH30410-2	6'-3 3/8"	6'-4 7/8"	2-DH	EXT	WD	6	7	8	SEE ELEV.	DOUBLE HUNG - EGRESS WINDOW	
19		REPLACEMENT	V.I.F.	V.I.F.	DH	EXT	WD	6	7	8	SEE ELEV.	VERIFY IN FIELD	
20		WDH210410	2'-11 5/8"	6'-4 7/8"	DH	EXT	WD	6	7	8	SEE ELEV.	DOUBLE HUNG	
21		WDH34410	3'-5 5/8"	6'-4 7/8"	DH	EXT	WD	6	7	8	SEE ELEV.	DOUBLE HUNG - EGRESS WINDOW	
22		WDH26410	2'-7 5/8"	4'-4 7/8"	DH	EXT	WD	6	7	8	SEE ELEV.	DOUBLE HUNG - EGRESS WINDOW	
23		AWX31	3'-0"	3'-0"	AW	EXT	WD	6	7	8	SEE ELEV.	AWNING	
24		CW14	3'-0"	4'-0"	CA	EXT	WD	6	7	8	SEE ELEV.	CASEMENT	
25		CW16	2'-7 1/2"	5'-11 7/8"	CA	EXT	WD	6	7	8	SEE ELEV.	CASEMENT	
26		CTR2810	2'-7 1/2"	1'-0"	FIXED	EXT	WD	6	7	8	SEE ELEV.	TRANS	

* VERIFY ALL WINDOWS INSTALLED UNDER 24" HAVE FALL RESTRAINTS
* VERIFY ALL WINDOWS INSTALLED UNDER 18" USE TEMPERED GLASS

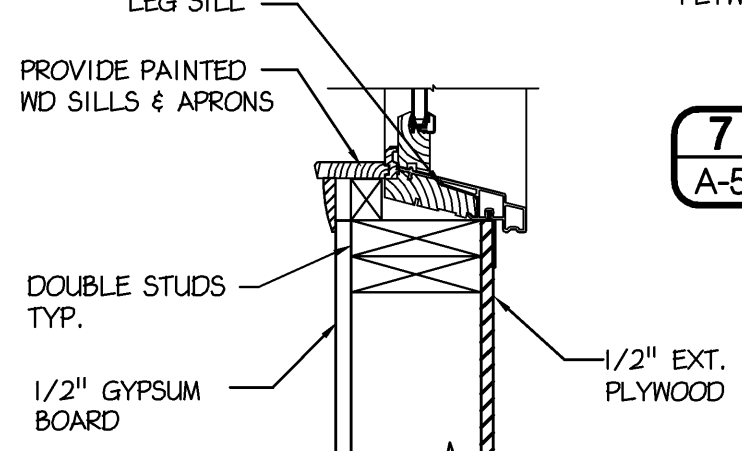
EGRESS WINDOWS
5.0 SQ.FT. 1ST FLOOR
5.7 SQ.FT. UPPER FLOORS



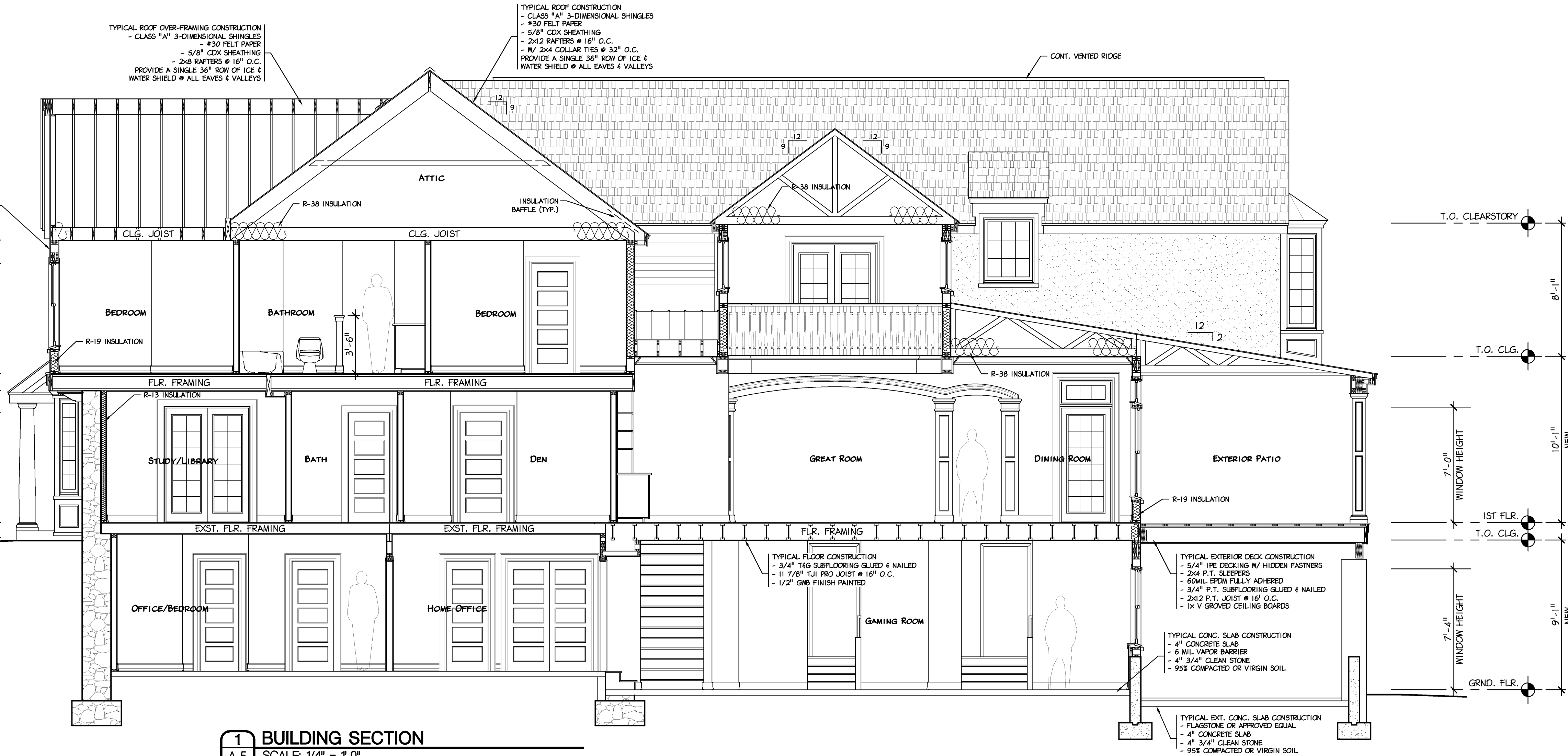
6 WINDOW HEAD DTL
A-5 SCALE: 1-1/2" = 1'-0"



7 WINDOW JAMB DTL
A-5 SCALE: 1-1/2" = 1'-0"



8 WINDOW SILL DTL
A-5 SCALE: 1-1/2" = 1'-0"



1 BUILDING SECTION
A-5 SCALE: 1/4" = 1'-0"

Robin J. Kohn AIA
Commonwealth of Pennsylvania
License No. RA-11327-X

Contact Person:
Edward (Kipp) Happ
(610) 917-8831

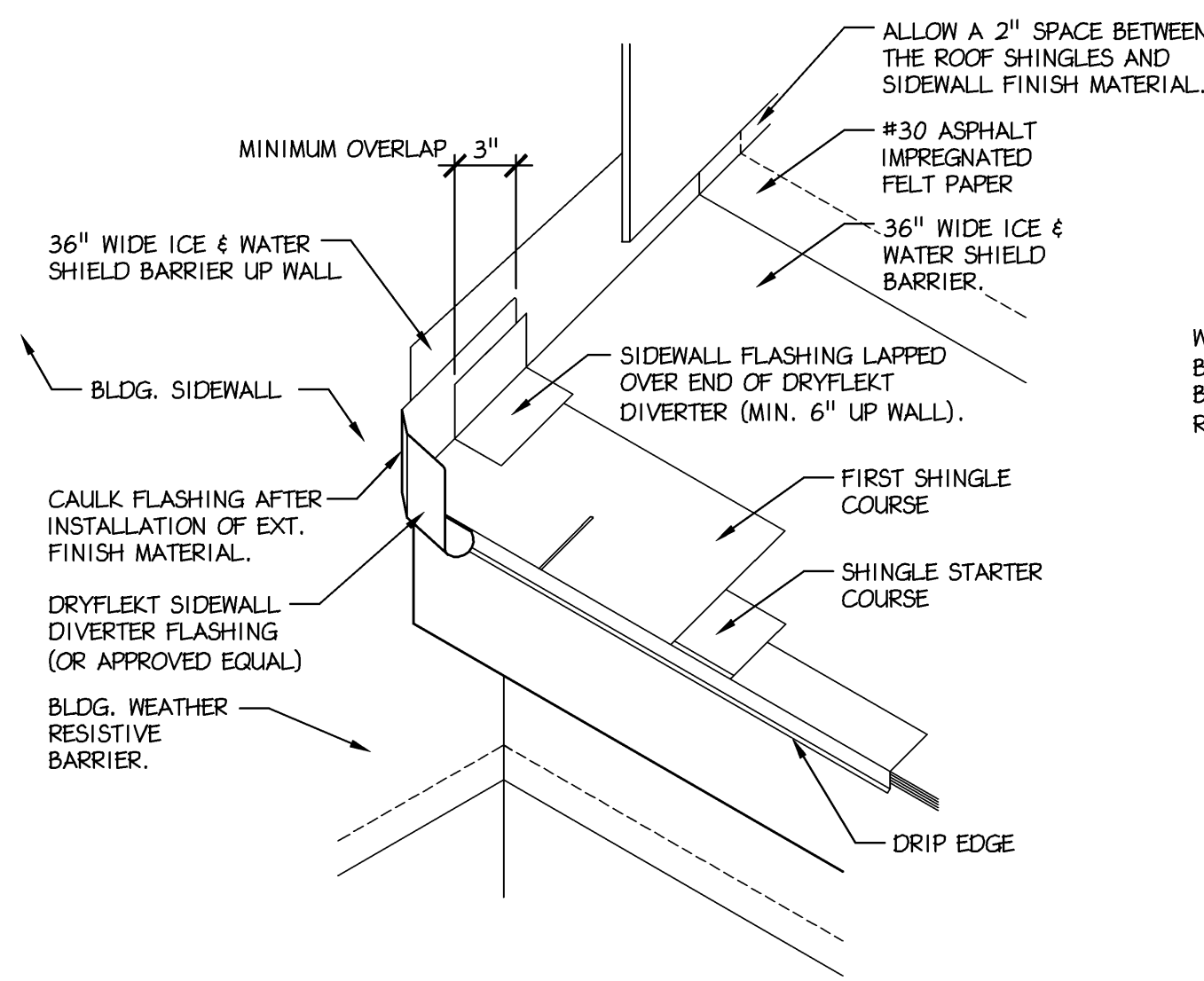
PROJECT NO.		DRAWN BY	CHK'D BY
B2876		MJK	RJK
NO.	DATE	BY	ISSUE
1	06/05/08		ISSUED FOR CLIENT REVIEW
2	06-10-08	EMH	REVISED PLAN LAYOUT & FURNITURE LAYOUT
3	07-01-08	EMH	REVISED PLAN - REDUCED SQFT.
4	09-19-08	EMH	ISSUED FOR PERMIT & CONSTRUCTION
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APPROVED BY		CURRENT DATE	
Robin J. Kohn, AIA		Sept 19, 2008	

VLOEDMAN RESIDENCE
541 Atterbury Road
Villanova, PA 19085

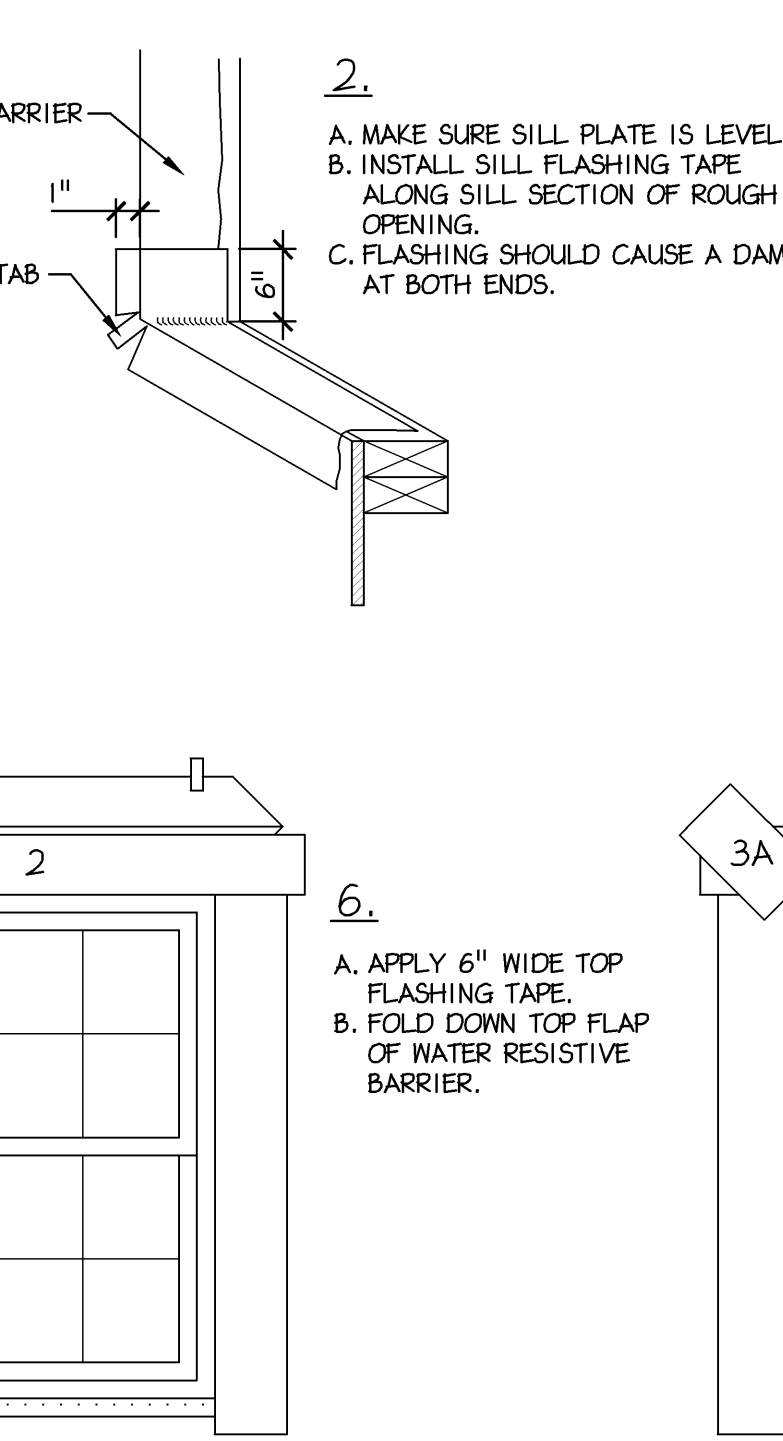
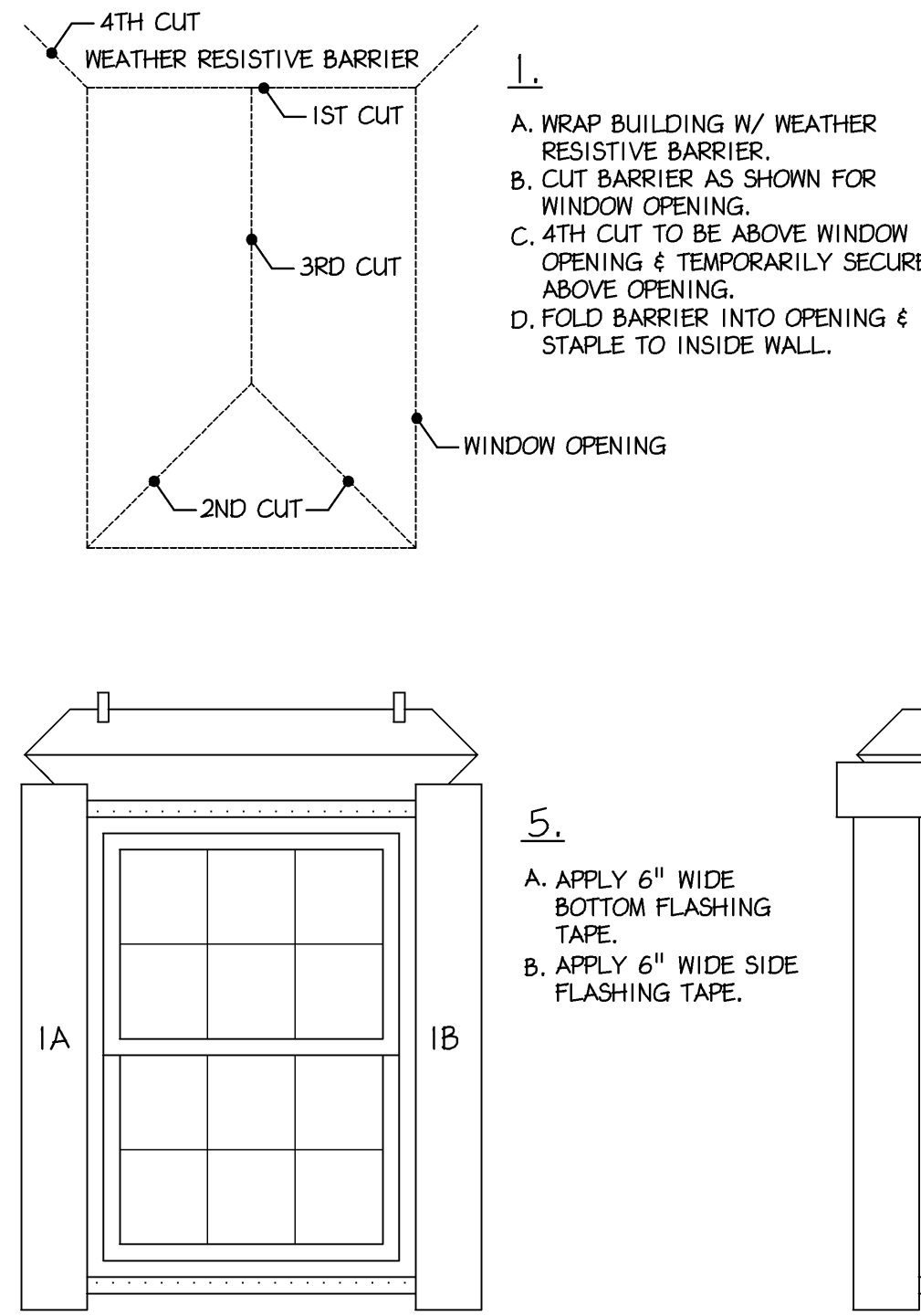
Radnor Township
Delaware County

BUILDING SECTIONS
WINDOW SCHEDULE
AND DETAILS

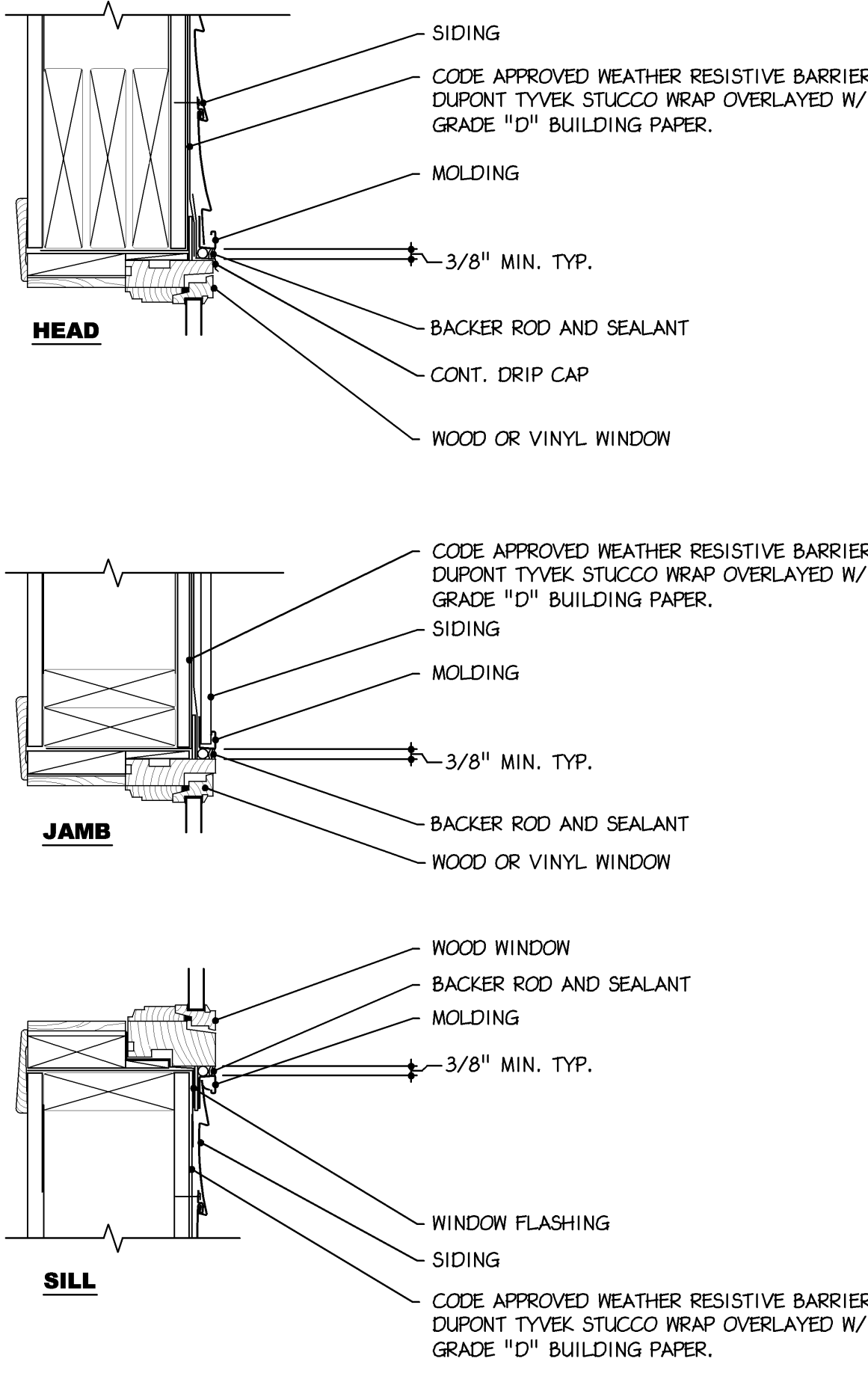
SHEET NUMBER
A-5
REV
4



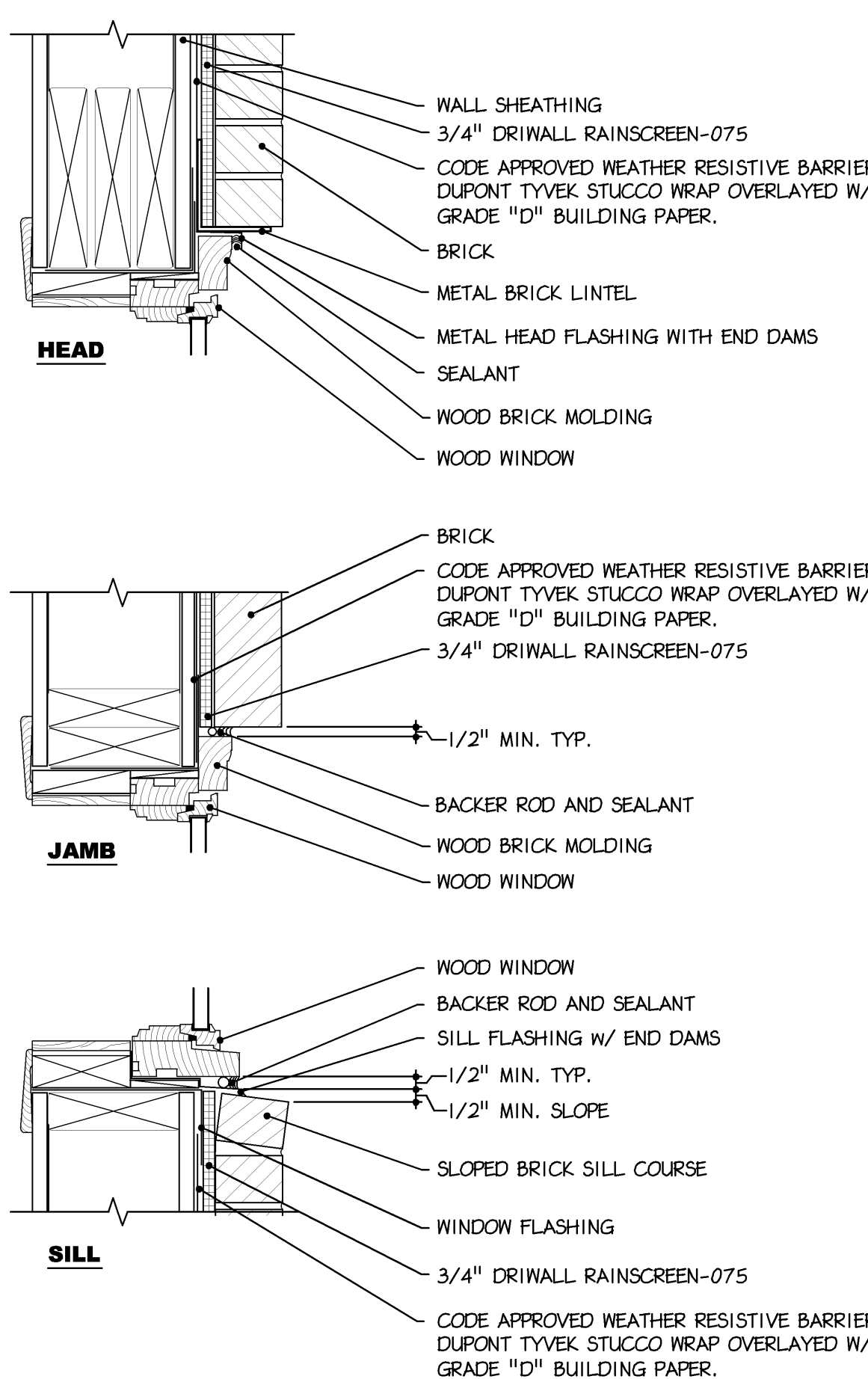
2 TYP. DOOR SILL FLASHING DETAIL
A-6 Scale: 3/4" = 1'- 0"



6 TYP. STONE VENEER DETAIL
A-6 Scale: 3/4" = 1'- 0"



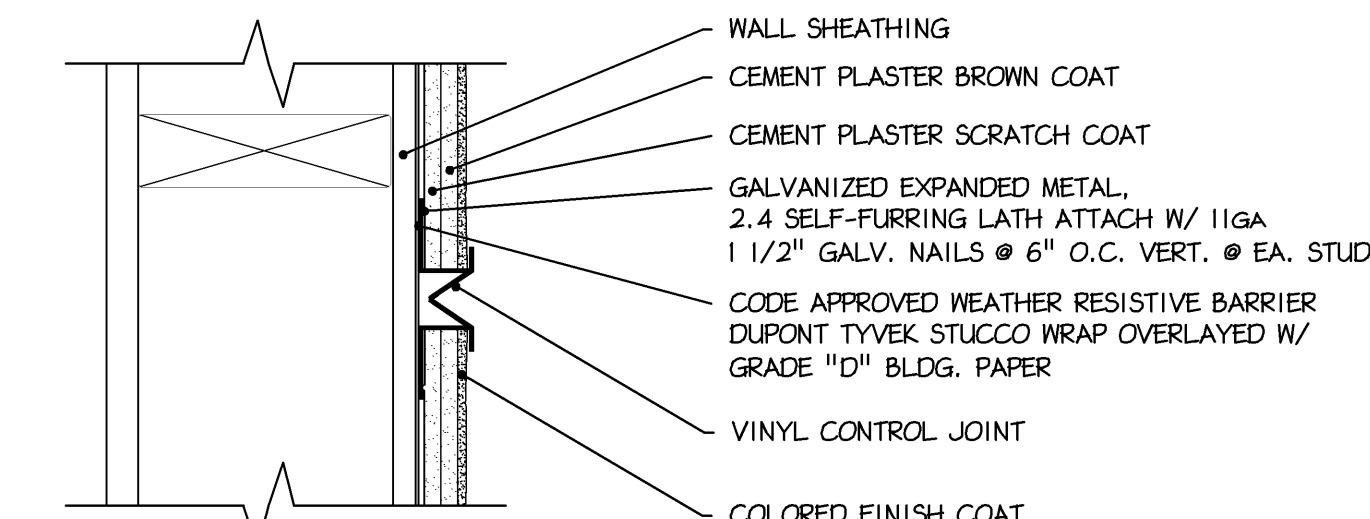
8 TYP. SIDING DETAIL AT WINDOW
A-6 Scale: 3/4" = 1'- 0"



9 TYP. STONE DETAILS AT WINDOWS
A-6 Scale: 3/4" = 1'- 0"

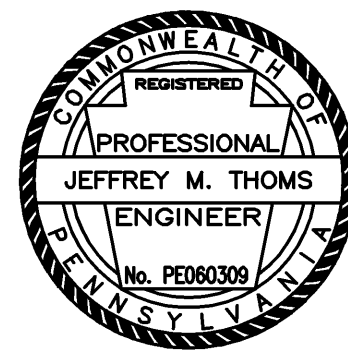
STUCCO NOTES:

1. PLACE VERTICAL CONTROL JOINTS @ 18" CENTERS IN FLUSH WALLS.
2. PLACE HORIZONTAL CONTROL JOINTS AT ALL FLOOR OR CEILING LINES. CONTROL JOINTS SHOULD BREAK WALL INTO PANELS NOT EXCEEDING 144 SF.
3. ALL STUCCO SCREDS AND ACCESSORIES SHALL BE VINYL.
4. LATH SHALL BE ATTACHED TO BUILDING FRAMING, NOT SHEATHING.
5. STUCCO COATS SHALL BE: 3/8" SCRATCH, 3/8" BROWN, 1/8" FINISH
6. SCORES IN SCRATCH COAT SHALL BE HORIZONTAL.
7. BROWN COAT SHOULD BE APPLIED TO SCRATCH AS SOON AS SCRATCH IS SUFFICIENTLY RIGID.
8. INSTALL CONTROL JOINT WHERE STUCCO COVERS OR INTERSECTS DISSIMILAR MATERIALS.
9. MOIST CURE STUCCO IN HOT OR DRY WEATHER. DO NOT USE ANTI-FREEZE ADDITIVES IN COLD WEATHER.
10. APPLICATION AND CURE TEMP. MUST BE ABOVE 40° F. OTHERWISE PROVIDE HEATED TENT.

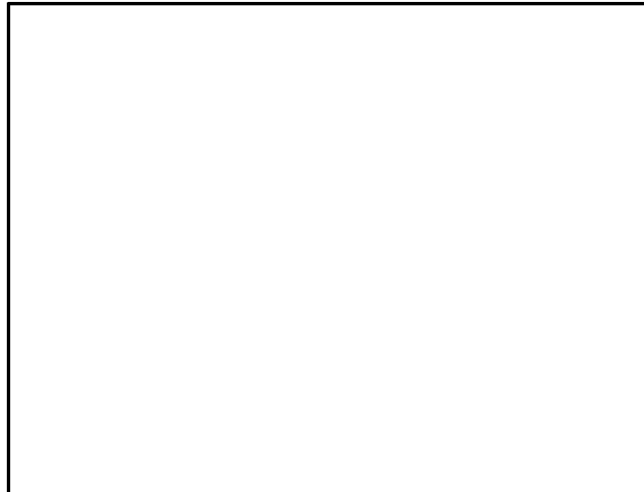


10 TYP. EXTERIOR STUCCO DETAIL
A-6 Scale: 3/4" = 1'- 0"

PROJECT NO.		DRAWN BY		CHK'D BY	
B2876		M.K.		R.K.	
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2	06-10-08	EMH	REVISED PLAN LAYOUT & FURNITURE LAYOUT		
3	07-01-08	EMH	REVISED PLAN - REDUCED 50FT.		
4	09-19-08	EMH	ISSUED FOR PERMIT & CONSTRUCTION		
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APPROVED BY			CURRENT DATE		
Robin J. Kohn, AIA			Sept 19, 2008		



Jeffrey M. Thoms, P.E.
Commonwealth of Pennsylvania
License No. PE060309



Contact Person:
Edward (Kipp) Happ
(610) 917-8831

PROJECT NO.		DRAWN BY		CHK'D BY
B2876		MJK		RJK
NO.	DATE	BY	ISSUE	
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APPROVED BY			CURRENT DATE	
Robin J. Kohn, AIA			Sept 19, 2008	

VLOEDMAN RESIDENCE
541 Atterbury Road
Villanova, PA 19085

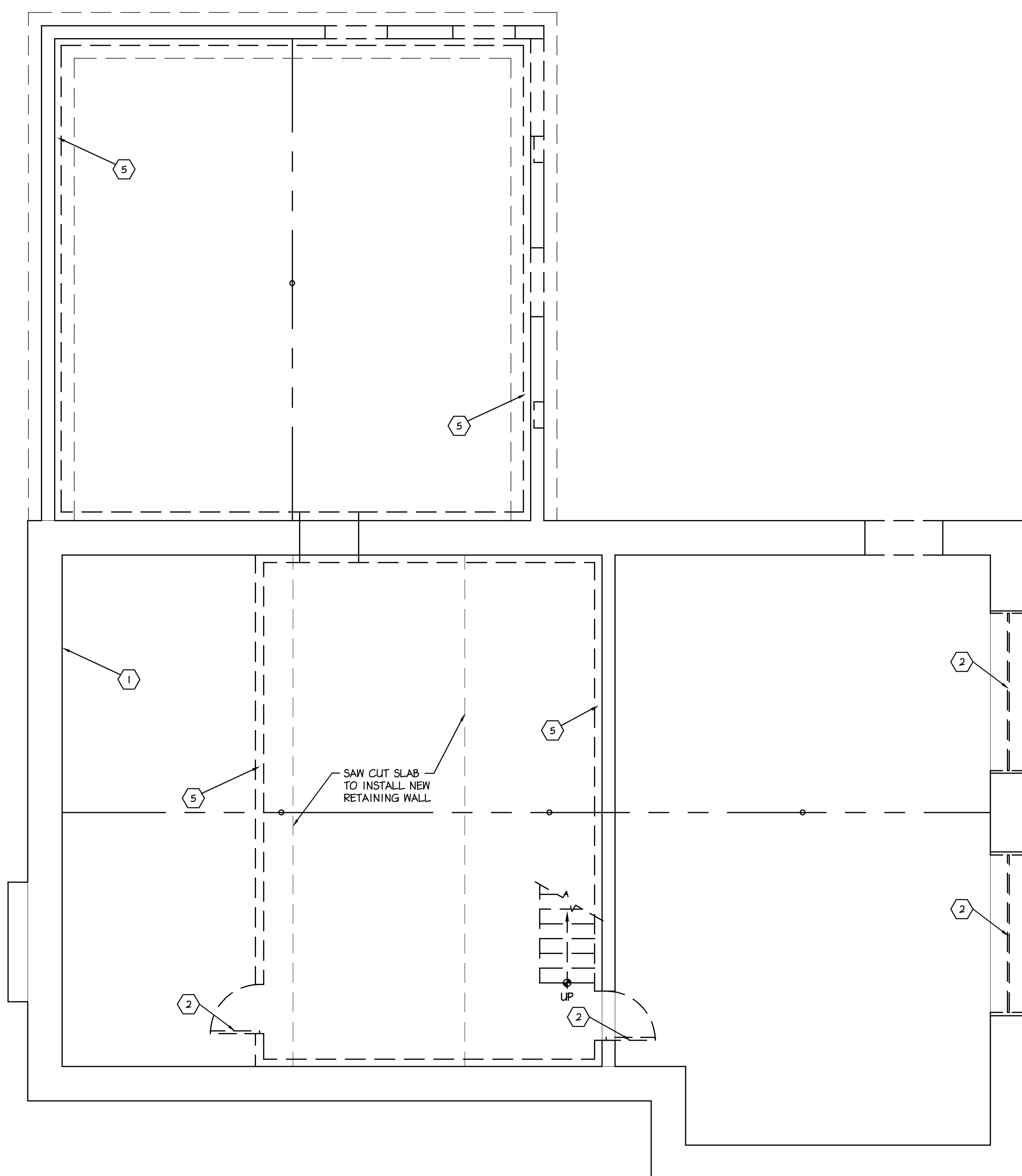
Radnor Township
Delaware County

SHEET TITLE
BASEMENT & FIRST
FLOOR DEMOLITION
PLANS

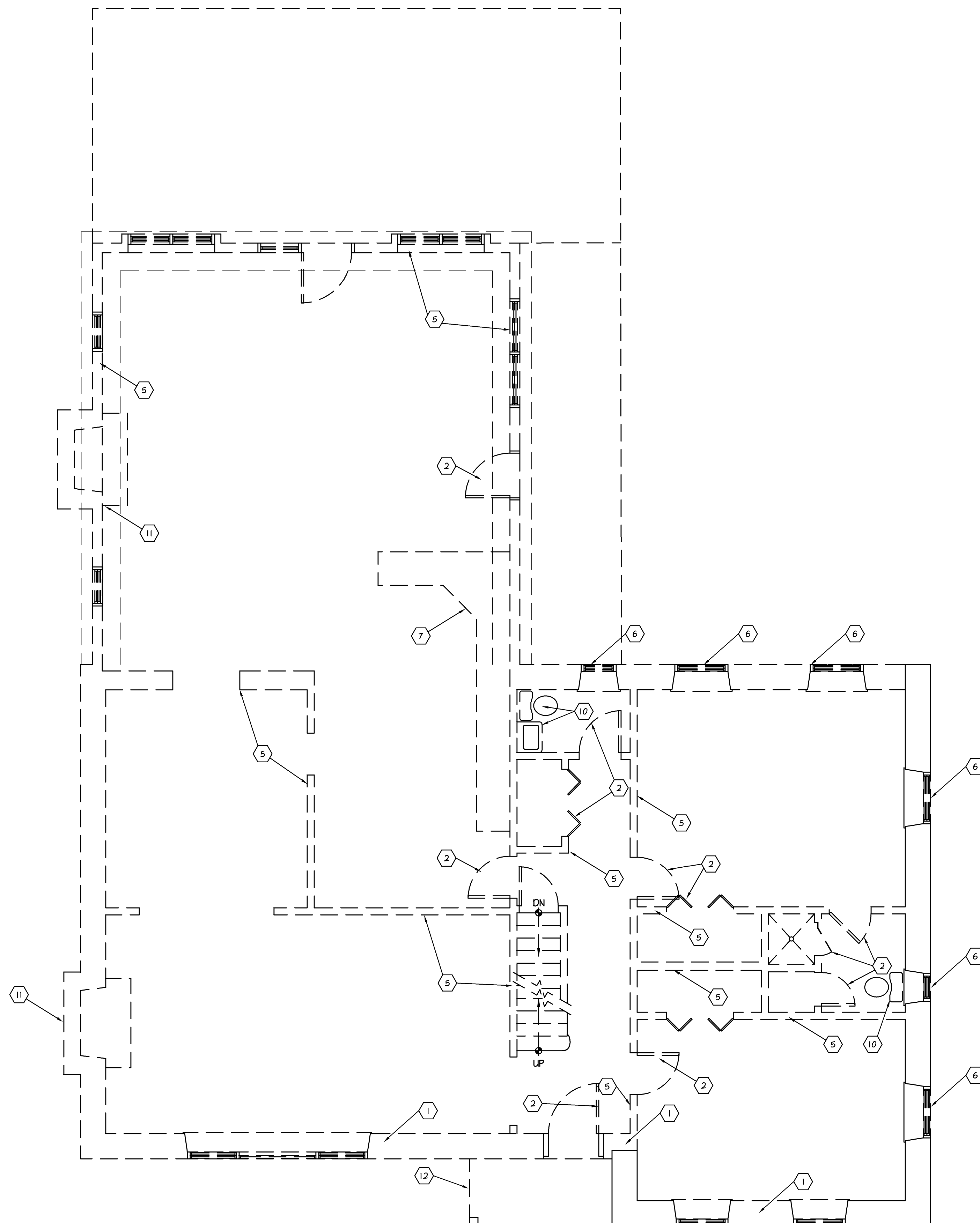
SHEET NUMBER
SD-1
REV
4

DEMOLITION NOTES

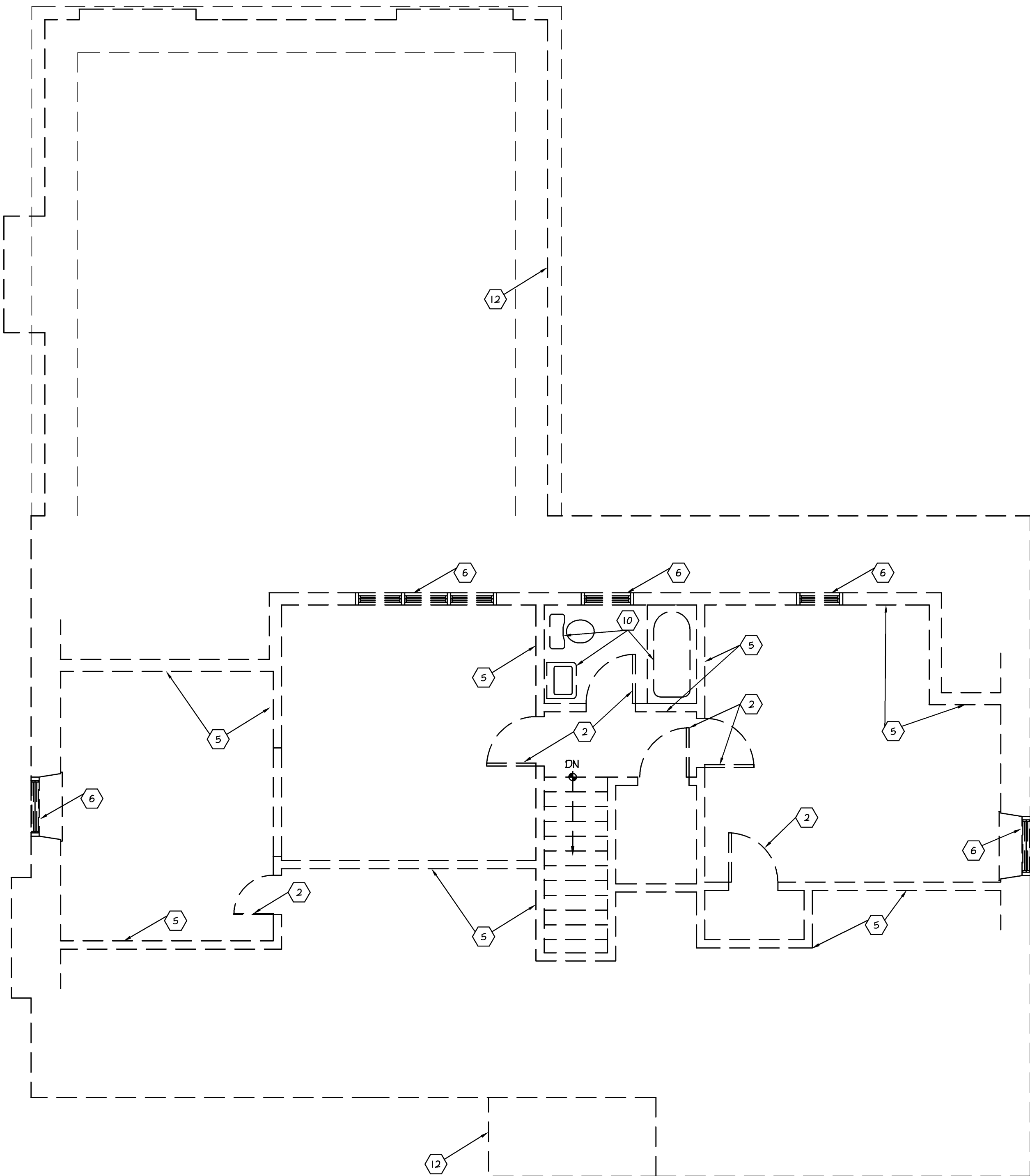
- 1 REMOVE PORTION OF EXISTING WALL(S) TO ACCOMMODATE NEW WORK.
- 2 REMOVE ALL EXISTING DOOR(S) AND DOOR FRAMES.
- 3 EXISTING FLOORING AND CEILING TO REMAIN.
- 4 REMOVE ALL EXISTING PARTITION / WALL(S) TO ACCOMMODATE NEW WORK.
- 5 REMOVE EXISTING WALL.
- 6 REMOVE EXISTING WINDOW TO ACCOMMODATE NEW WORK.
- 7 REMOVE EXISTING MILLWORK / BUILT-IN ITEM(S) TO ACCOMMODATE NEW WORK.
- 8 CREATE NEW OPENING IN WALL FOR NEW EGRESS.
- 9 EXISTING EQUIPMENT TO BE PROTECTED DURING RENOVATION WORK.
- 10 REMOVE ALL PLUMBING FIXTURES AND ACCESSORIES.
- 11 REMOVE FIREPLACE AND CHIMNEY AND ACCESSORIES.
- 12 REMOVE ROOF AND FRAMING.



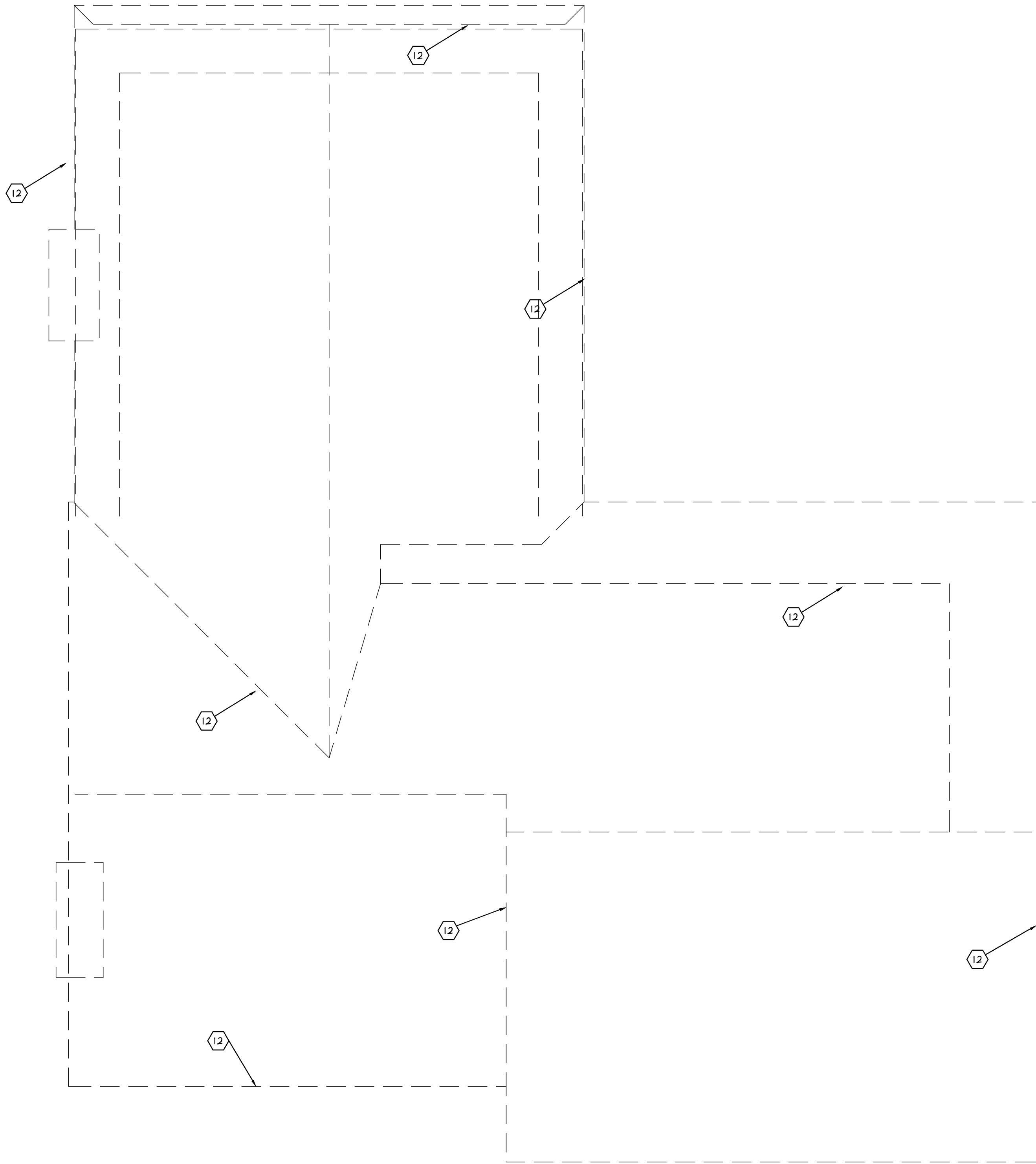
1 BASEMENT DEMOLITION PLAN
SD-1 Scale: 1/4" = 1'-0"



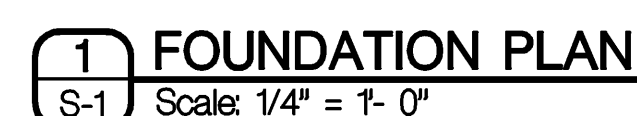
2 FIRST FLOOR DEMOLITION PLAN
SD-1 Scale: 1/4" = 1'-0"



1 SECOND FLOOR DEMOLITION PLAN
SD-2 Scale: 1/4" = 1'- 0"



2 ROOF FRAMING DEMOLITION PLAN
SD-2 Scale: 1/4" = 1'- 0"



VLOEDMAN RESIDENCE
541 Atterbury Road
Villanova, PA 19085

Radnor Township
Delaware County

SHEET	TITLE
	FLOOR FRAMING PLANS

SHEET NUMBER

S-1

REV
4

Contact Person:
Edward (Kipp) Happ
(610) 917-8831

PROJECT NO. B2876		DRAWN BY M.K		CHK'D BY R.K	
NO.	DATE	BY	ISSUE		
1	06/05/08		ISSUED FOR CLIENT REVIEW		
2	06-10-08	EMH	REVISED PLAN LAYOUT & FURNITURE LAYOUT		
3	07-01-08	EMH	REVISED PLAN - REDUCED SOFT.		
4	09-09-08	EMH	ISSUED FOR PERMIT & CONSTRUCTION		
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APPROVED BY Robin J. Kohn, AIA			CURRENT DATE Sept 19, 2008		

VLOEDMAN RESIDENCE
541 Atterbury Road
Villanova, PA 19085

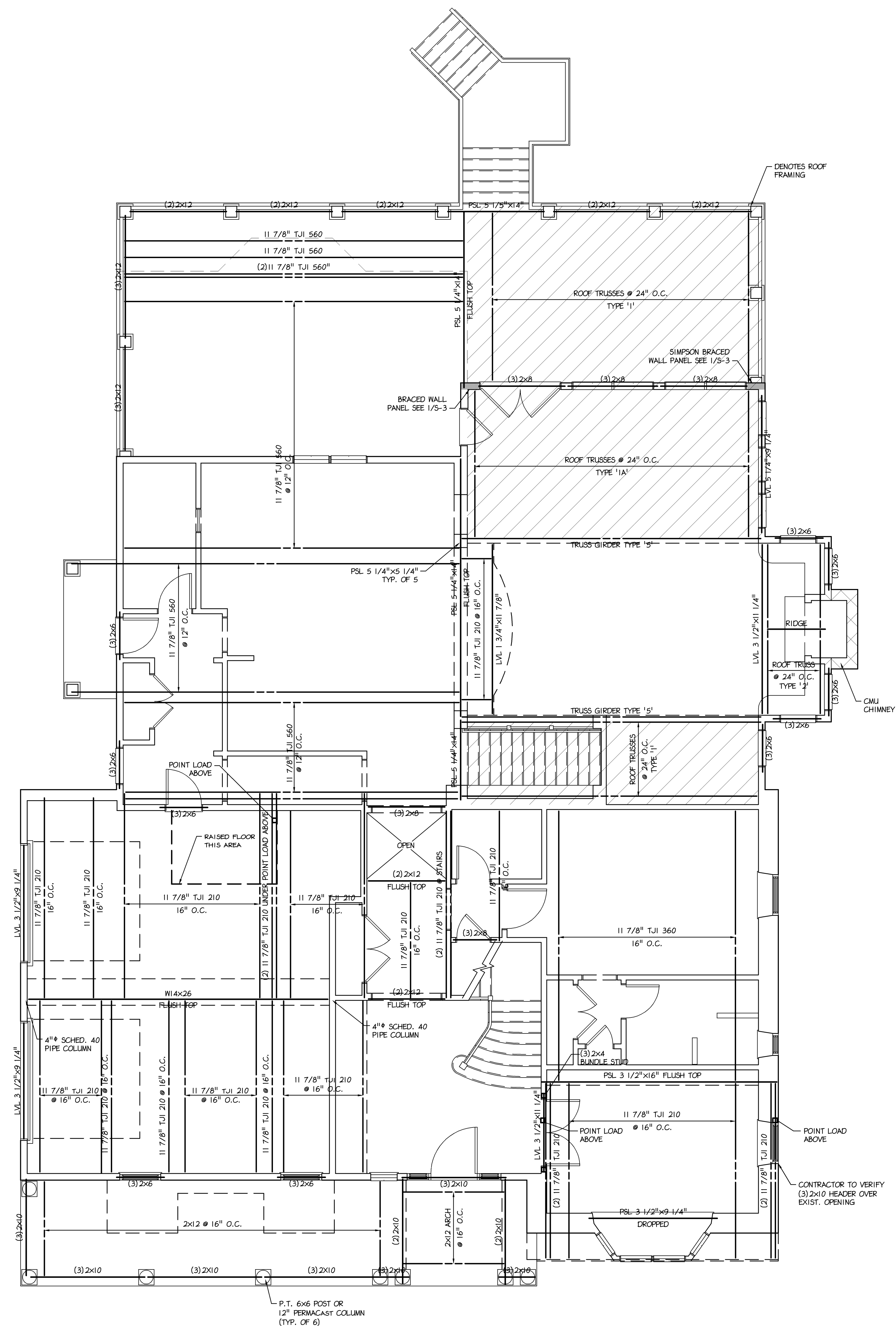
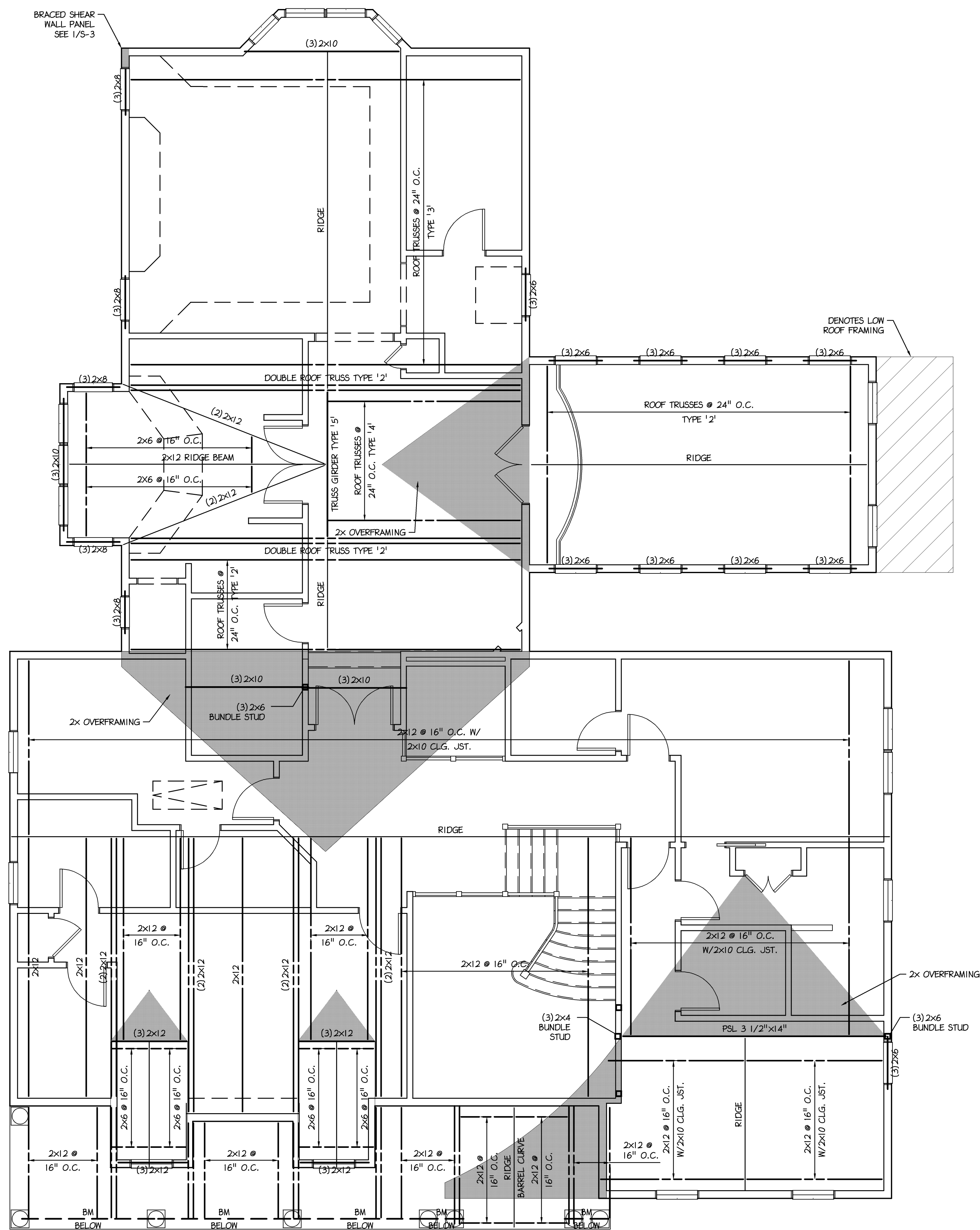
**Radnor Township
Delaware County**

SHEET TITLE

**FOUNDATION AND
FLOOR FRAMING PLANS**

SHEET NUMBER

S-2

REV
4

2 ROOF FRAMING PLAN

1 SECOND FLOOR FRAMING PLAN
S-2 Scale: 1/4" = 1'- 0"



PROJECT NO.		DRAWN BY		CHK'D BY
B2876		M.K.		R.K.
NO.	DATE	BY	ISSUE	
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2	06-10-08	EMH	REVISED PLAN LAYOUT & FURNITURE LAYOUT	
3	07-01-08	EMH	REVISED PLAN - REDUCED SLOPE	
4	09-19-08	EMH	ISSUED FOR PERMIT & CONSTRUCTION	
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CONCRETE NOTES

1. REINFORCED CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 318, LATEST EDITION.
2. CONCRETE MATERIALS: $F_c = 4000$ PSI FOR SLABS, ALL OTHER CONCRETE: $F_c = 3000$ PSI
CEMENT: ASTM C150, TYPE I
AGGREGATE: ASTM C33
WATER: ASTM C94
EXTERIOR CONCRETE MIX: WATER CEMENT RATIO, 0.45 (AIR-ENTRAINED TO 4.5 % MIN)
INTERIOR CONCRETE MIX: WATER CEMENT RATIO, 0.50
3. REINFORCING MATERIALS:
REINFORCING BARS: ASTM A615, GRADE 60, DEFORMED
4. REINFORCING BARS SHALL BE LAPPED A MINIMUM OF 36 BAR DIAMETERS.
5. MINIMUM CONCRETE COVER FOR REINFORCEMENT AS FOLLOWS:
CAST AGAINST EARTH: 3" CLEAR
CONCRETE EXPOSED TO EARTH OR WATER: 2" CLEAR
ALL OTHER CONCRETE: 1" CLEAR
6. MINIMUM CONCRETE SLAB REINFORCEMENT SHALL BE AS FOLLOWS:
3/2" FLOOR SLAB ON METAL DECK 66-W2.9XW2.9
4" FLOOR SLAB ON GRADE 66-W2.9XW2.9
5" FLOOR SLAB ON GRADE 44-W4.0XW4.0
6" FLOOR SLAB ON GRADE #4 REBAR @ 12" O.C. E.W.
7. COLD-WEATHER PLACING SHALL COMPLY WITH THE PROVISIONS OF ACI-306R. THE USE OF CALCIUM CHLORIDE, SALT, AND OTHER MATERIALS CONTAINING ANTI FREEZE AGENTS OR CHEMICAL ACCELERATORS SHALL NOT BE PERMITTED UNLESS OTHERWISE ACCEPTED IN THE MIX DESIGN.
8. HOT-WEATHER PLACING SHALL COMPLY WITH THE PROVISIONS OF ACI-305.

FOUNDATION NOTES

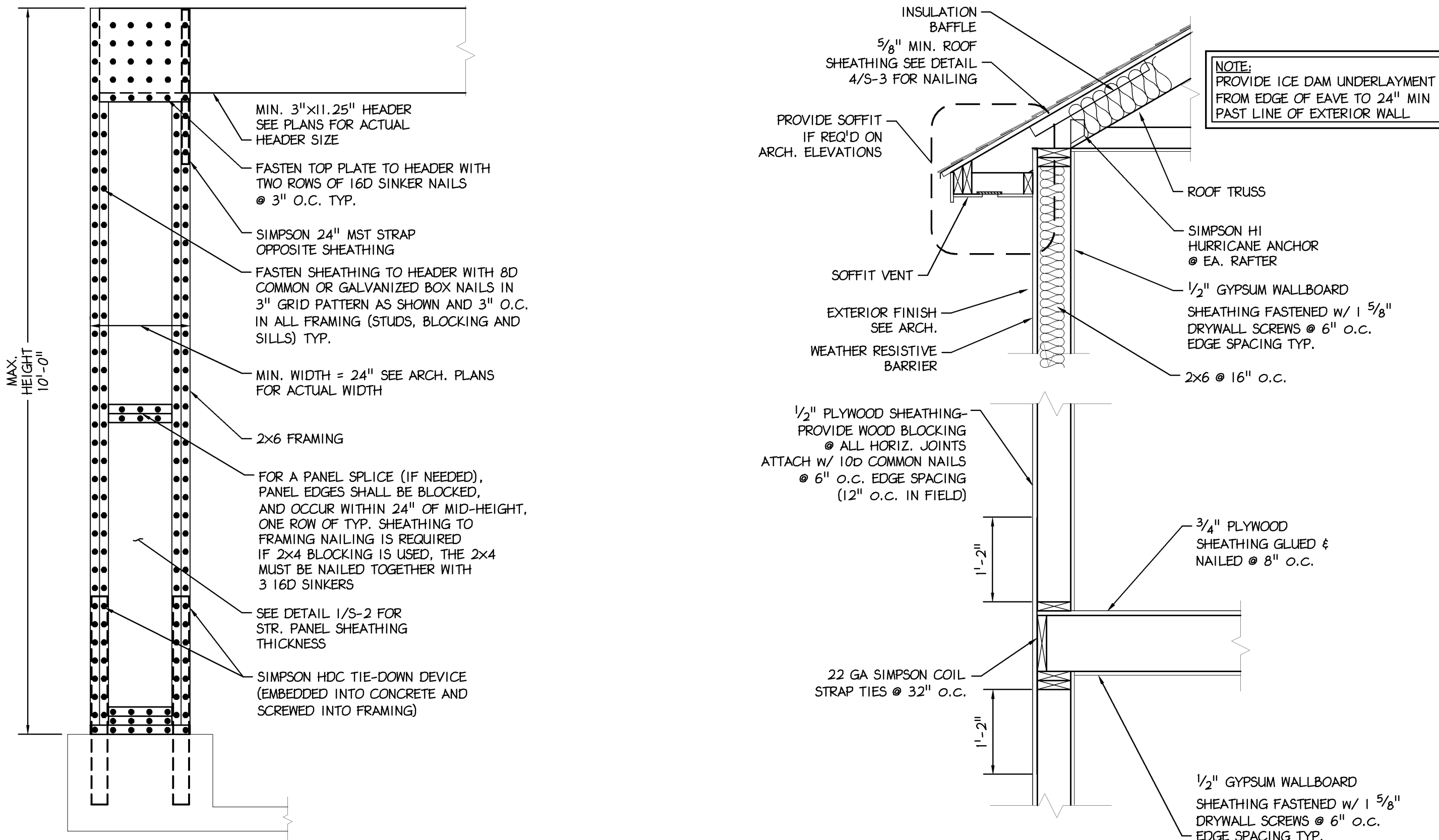
1. FOUNDATION SOIL BEARING PRESSURE - 3000 PSI
2. FOUNDATION SHALL BE PLACED ON VIRGIN SOIL AT ELEVATIONS INDICATED ON DRAWINGS.
3. THE ENGINEER SHALL APPROVE ALL BEARING STRATA PRIOR TO PLACEMENT OF THE CONCRETE FOOTINGS.
4. INSTALL CRACK CONTROL OR CONSTRUCTION JOINTS AT 30-FOOT MAXIMUM CENTERS IN WALLS. LOCATIONS SHALL BE APPROVED BY ENGINEER.
5. TOP OF FOOTING ELEVATIONS ARE NOTED (000.00')
6. TOP OF PIER OR WALL ELEVATIONS ARE NOTED (000.00')
7. ALL TOPSOIL, SOIL FILL, AND SOFT SUBSOIL SHALL BE REMOVED AND, IF NECESSARY, REPLACED WITH COMPACTED LOAD-BEARING FILL MATERIALS. TEST PITS OR SOIL BORINGS SHALL BE CONDUCTED TO DETERMINE THE LOCATION OF THE VIRGIN SOIL.
8. ANY UNDERCUT AND REPLACEMENT WITH COMPACTED LOAD-BEARING FILL SHALL EXTEND LATERALLY BEYOND FOOTINGS A DISTANCE AT LEAST EQUAL TO THE DEPTH OF THE UNDERCUT.
9. AFTER UNDERCUTTING AND REMOVAL OF UNSUITABLE SOIL, THE EXPOSED UNDERLYING RESIDUAL SOILS IN THE PROPOSED BUILDING AREA SHALL BE PROOFROLLED AND COMPACTED. SOFT AND/OR UNSTABLE AREAS DISCLOSED BY THE PROOFROLLING SHALL BE ROLLED UNTIL STABILITY IS OBTAINED OR UNTIL FURTHER UNDERCUT TO FIRM MATERIAL IS REACHED.
10. PLACE LOAD-BEARING FILL MATERIALS IN LAYERS NOT MORE THAN EIGHT INCHES IN LOOSE THICKNESS FOR MATERIAL COMPACTED BY HEAVY COMPACTION EQUIPMENT, AND NOT MORE THAN FOUR INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND-OPERATED TAMPERS. FILL MATERIAL SHALL BE MOISTENED OR AERATED AS NECESSARY.
11. EACH LIFT SHALL BE COMPACTED TO AN AVERAGE DRY DENSITY OF NOT LESS THAN 98% OF THE MAXIMUM DRY DENSITY ACCORDING TO ASTM D698 (STANDARD PROCTOR) FOR ALL FOOTING AND FLOOR SUBGRADES.
12. THE SUB-FLOOR MATERIALS SHALL CONSIST OF AT LEAST FOUR TO SIX INCHES OF GRAVEL OR CRUSHED STONE. THE SUB-FLOOR MATERIALS SHALL BE COMPACTED BY AT LEAST FOUR COVERAGES OF A HEAVY-DUTY VIBRATORY ROLLER OR UNTIL NO FURTHER COMPACTION IS OBSERVED. SEE THE DRAWINGS AND SPECIFICATIONS FOR THE VAPOR BARRIER SIZE, TYPE AND LOCATION.
13. IN AREAS WHERE SOFT/LOOSE ZONES OR POSSIBLE VOIDS EXIST AT DEPTH, NOTIFY THE STRUCTURAL ENGINEER IMMEDIATELY. SUCH AREAS SHOULD BE UNDERCUT AND REPLACED WITH COMPACTED LOAD-BEARING FILL, OR FLOWABLE CONCRETE FILL AS DIRECTED BY THE DESIGN PROFESSIONAL. IN ADDITION, FOOTINGS SHOULD BE OVERSIZED AND PROPORTIONED FOR A REDUCED ALLOWABLE BEARING CAPACITY, AS DETERMINED BY THE STRUCTURAL ENGINEER, TO BETTER DISTRIBUTE FOUNDATION LOADS AND SPAN ANY LOCALIZED SOFT/LOOSE ZONE OR VOID AREAS.

STRUCTURAL STEEL NOTES

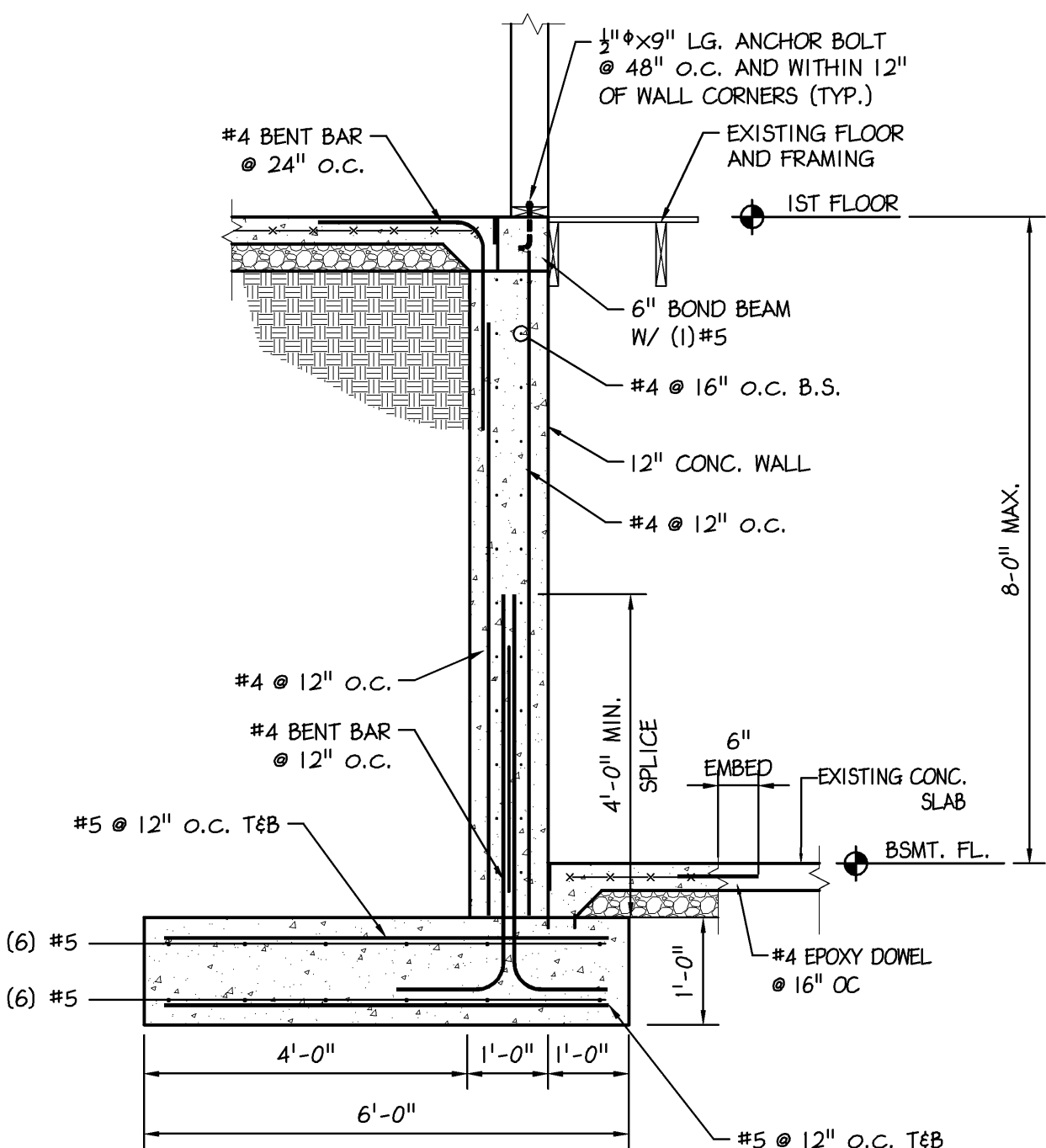
1. STRUCTURAL STEEL CONSTRUCTION SHALL BE IN ACCORDANCE WITH AISC'S 'CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES' AND 'SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS - ALLOWABLE STRESS DESIGN', LATEST EDITION.
2. STEEL MATERIALS
W-SHAPES: ASTM A 992, $F_y = 50,000$ PSI
CHANNELS, ANGLES: ASTM A 36, $F_y = 36,000$ PSI
PLATE AND BAR: ASTM A 36, $F_y = 36,000$ PSI
COLD-FORMED HOLLOW STRUCTURAL SECTIONS: ASTM A 500, $F_y = 46,000$ PSI
HOT-FORMED HOLLOW STRUCTURAL SECTIONS: ASTM A 501, $F_y = 46,000$ PSI
STEEL PIPE: ASTM A 53, GRADE B, $F_y = 36,000$ PSI
3. CONNECTOR MATERIALS:
BOLTS: ASTM F1552, TYPE 1, TENSION CONTROL HIGH STRENGTH BOLT-NUT-WASHER ASSEMBLY WITH HEX OR ROUND HEADS AND SPLINED ENDS, COMPLY WITH AISC REQUIREMENT
WELDING ELECTRODES: ASTM F1554, GRADE 36, $F_y = 36,000$ PSI
4. BEAM-TO-BEAM AND BEAM-TO-COLUMN CONNECTIONS SHALL BE AISC STANDARD FULL DEPTH CONNECTIONS, UNLESS NOTED OTHERWISE. WHERE REACTIONS ARE INDICATED ON THE DRAWINGS, THE CONNECTION SHALL BE PROVIDED BY THE FABRICATOR. DETAILS AND CALCULATIONS, PREPARED BY A LICENSED ENGINEER, SHALL BE PART OF THE SHOP DRAWING SUBMISSION.
5. ALL CONNECTIONS SHALL BE HIGH-STRENGTH FRICTION BOLTS OR WELDS OF EQUAL STRENGTH. ANCHOR BOLTS AND FIELD CONNECTIONS OF GIRTS FOR SHEAR SHALL BE UNFINISHED BOLTS.
6. ELEVATION OF TOP OF STEEL MEMBERS ARE NOTED (+ -).
7. STEEL JOISTS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH LATEST AISC AND SJI SPECIFICATIONS.
8. JOIST BRIDGING SHALL BE DESIGNED AND INSTALLED ACCORDING TO THE LATEST SJI SPECIFICATIONS. BRIDGING SHALL NOT BE MODIFIED WITHOUT THE APPROVAL OF THE STRUCTURAL ENGINEER.
9. METAL DECKING SHALL BE INSTALLED IN 3 SPAN CONDITIONS MINIMUM.

MASONRY NOTES

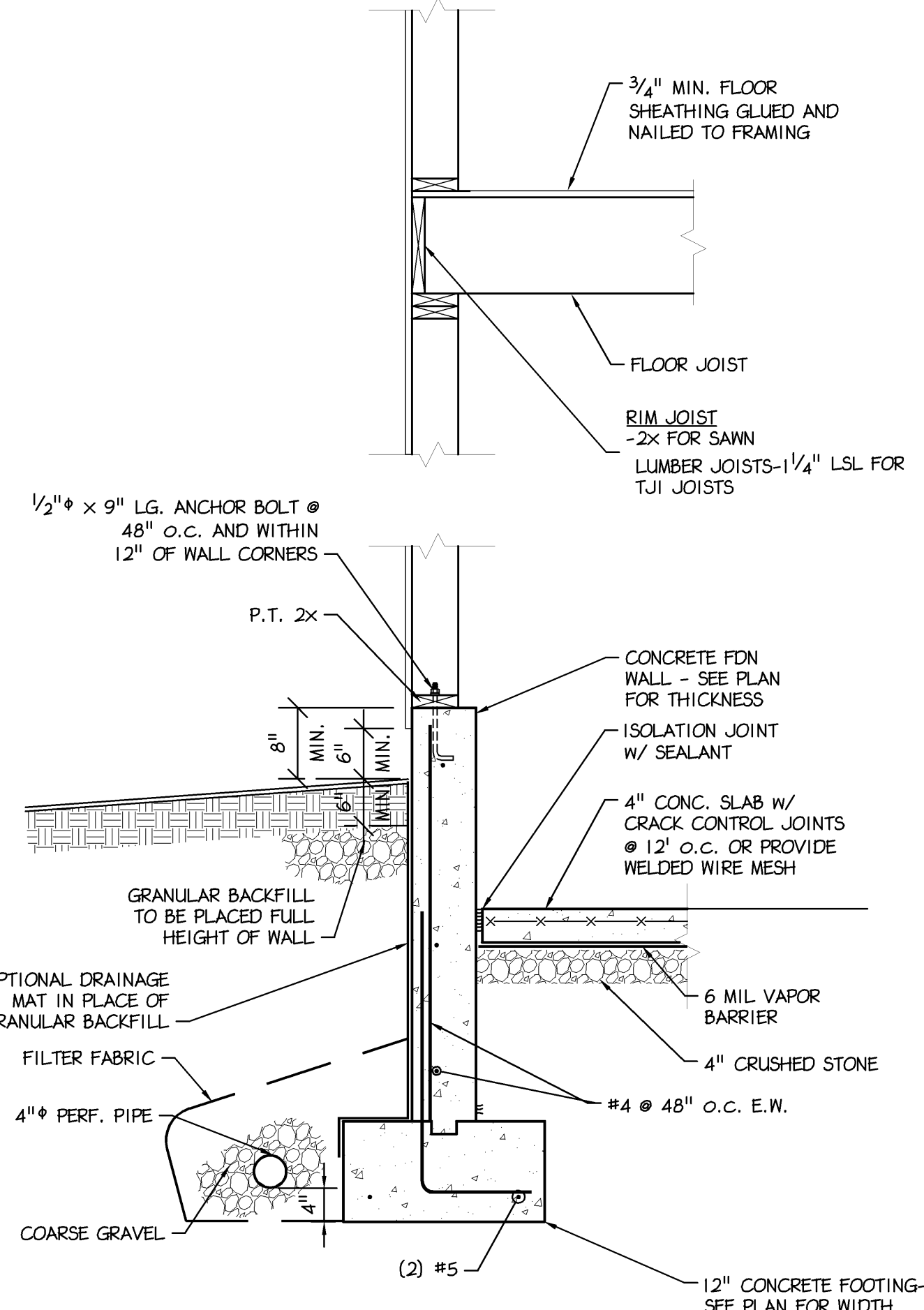
1. MASONRY CONSTRUCTION SHALL CONFORM TO "BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY STRUCTURES" (ACI 530) AND "SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF LOAD-BEARING CONCRETE MASONRY" (N.C.M.A.)
2. MASONRY MATERIALS:
CONCRETE MASONRY UNITS: ASTM C90, TYPE I
MORTAR - TYPE M OR S GROUT: MIN. COMP. STRENGTH = 1500 PSI
MIN. COMP. STRENGTH = 2500 PSI
ASTM C476
MIN. COMP. STRENGTH = 3000 PSI
3. REINFORCING MATERIALS:
REINFORCING BARS: ASTM A615, GRADE 60, DEFORMED
JOINT REINFORCING: ASTM A 951, 0.148" RODS MIN.
4. UNLESS NOTED OTHERWISE ON THE DRAWINGS OR IN THE SPECIFICATIONS, THE FOLLOWING MINIMUM REINFORCING SHALL BE USED. ALL CORES WITH REINFORCING SHALL BE GROUTED SOLID.
BENEATH BEAMS: (2) #5 BARS - (1) PER CORE
BENEATH STEEL OR CONCRETE LINTELS: (1) #5 BAR
VERTICAL: #4 BARS AT 48" O.C.
HORIZONTAL: JOINT REINF. AT 16" O.C.
5. MASONRY WALLS SHALL BE ANCHORED TO ALL FLOORS AND ROOFS WHICH PROVIDE LATERAL SUPPORT FOR THE WALLS.
6. BOND BEAMS WITH HORIZONTAL REINFORCEMENT NOT LESS THAN (2) #5 REBAR SHALL BE PROVIDED CONTINUOUSLY AT STRUCTURALLY CONNECTED ROOF AND FLOOR LEVELS, AT THE TOP OF WALLS, AT THE BOTTOM OF WALLS OR IN THE TOP OF THE FOUNDATION WHEN DOWELING INTO THE WALL.
7. AT INTERSECTING WALLS PROVIDE CONTINUITY IN JOINT REINFORCING USING PRE-FABRICATED 'L' AND 'T' SECTIONS. AT ABUTTING WALLS USE RIGID METAL ANCHORS NOT MORE THAN 24" O.C.



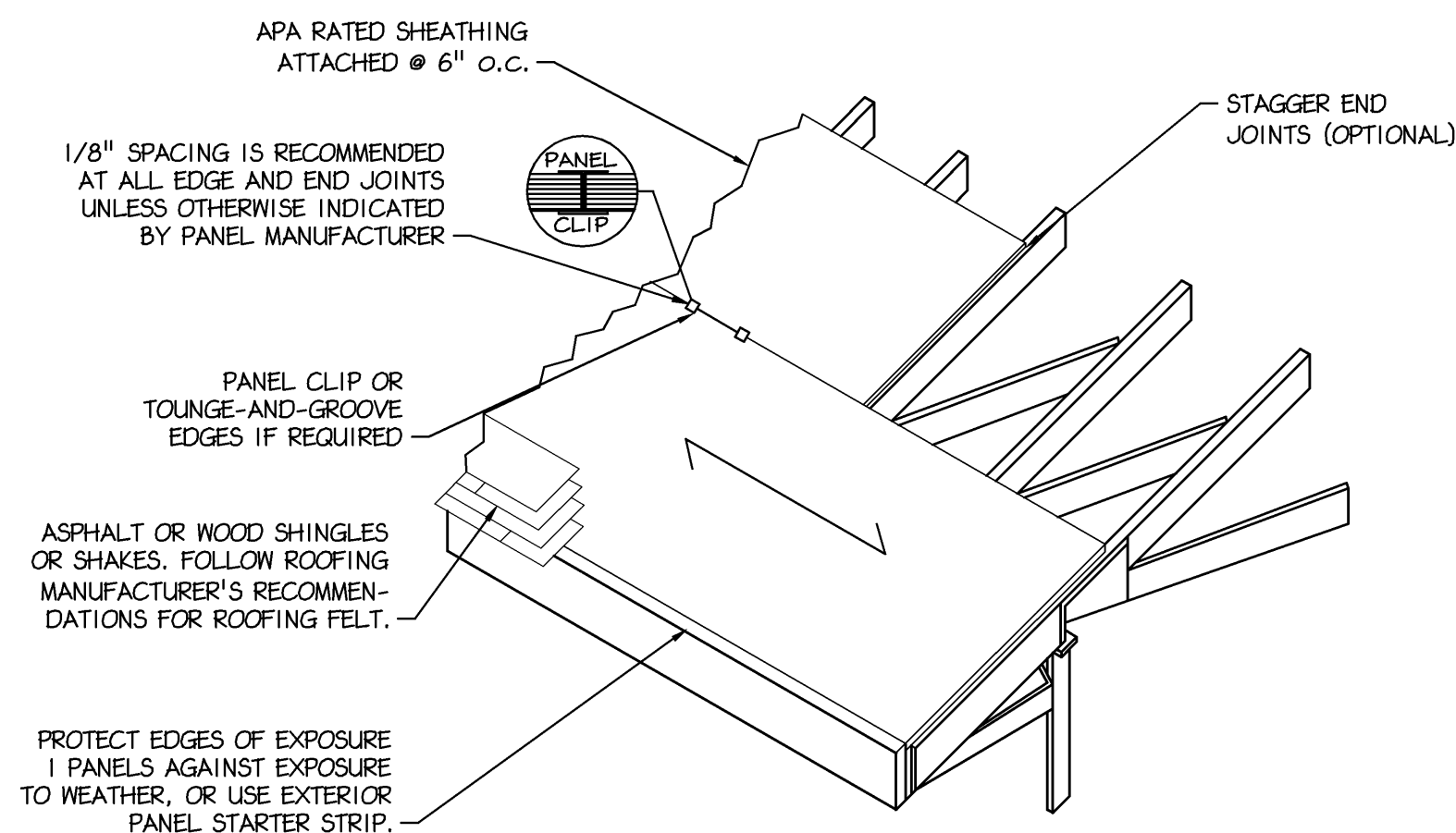
1 SHEAR WALL PANEL ELEVATION
S-3 3/4" = 1'- 0"



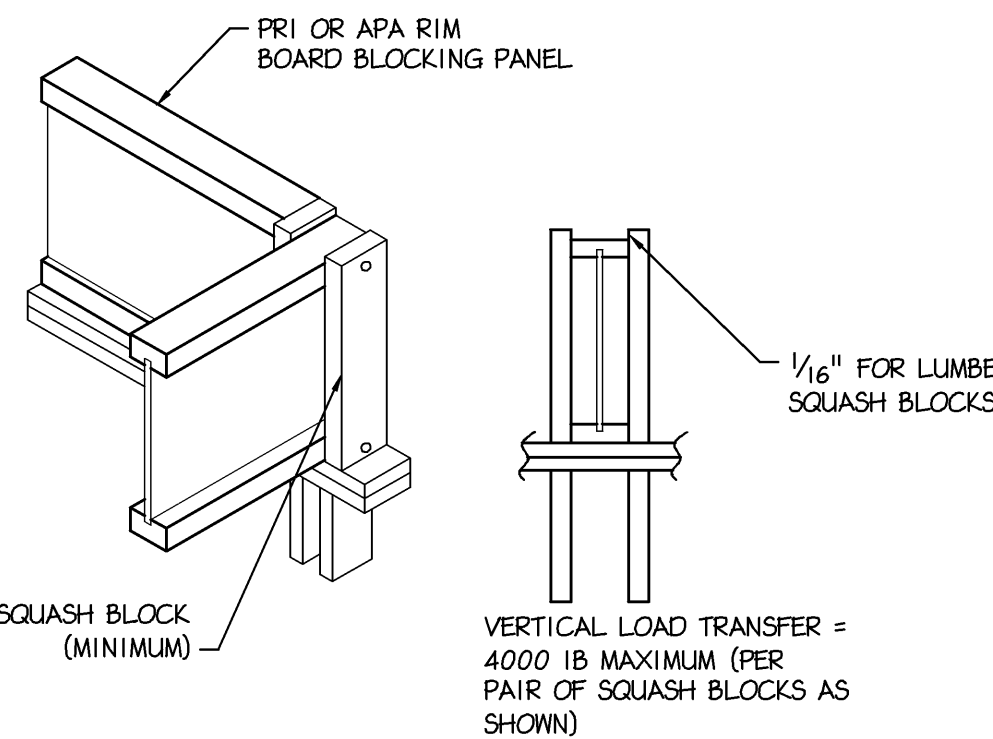
2 RETAINING WALL
S-3 1/2" = 1'- 0"



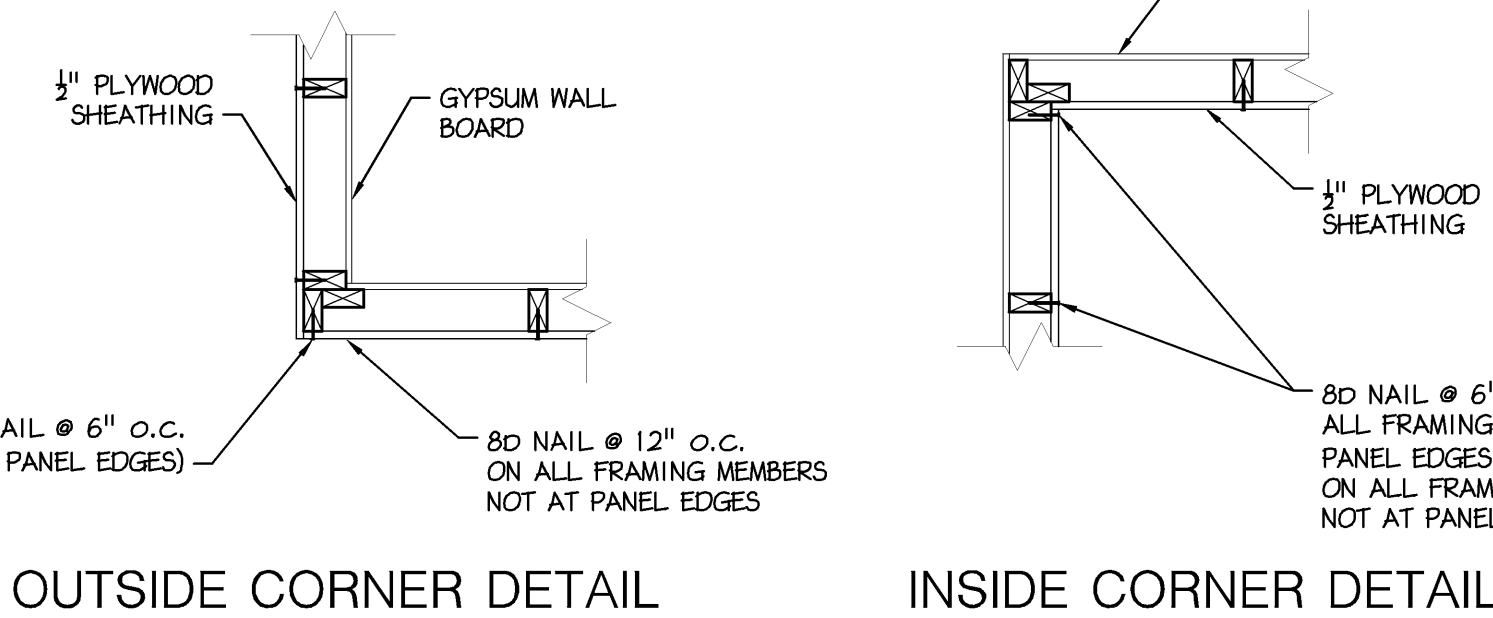
3 BASEMENT WALL DETAIL
S-3 3/4" = 1'- 0"



4 PANEL ROOF SHEATHING DETAIL
S-3 3/4" = 1'- 0"



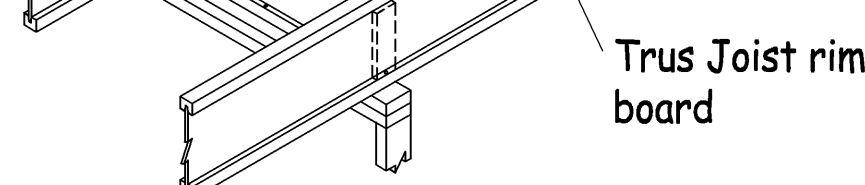
5 SQUASH BLOCK DETAIL
S-3 3/4" = 1'- 0"



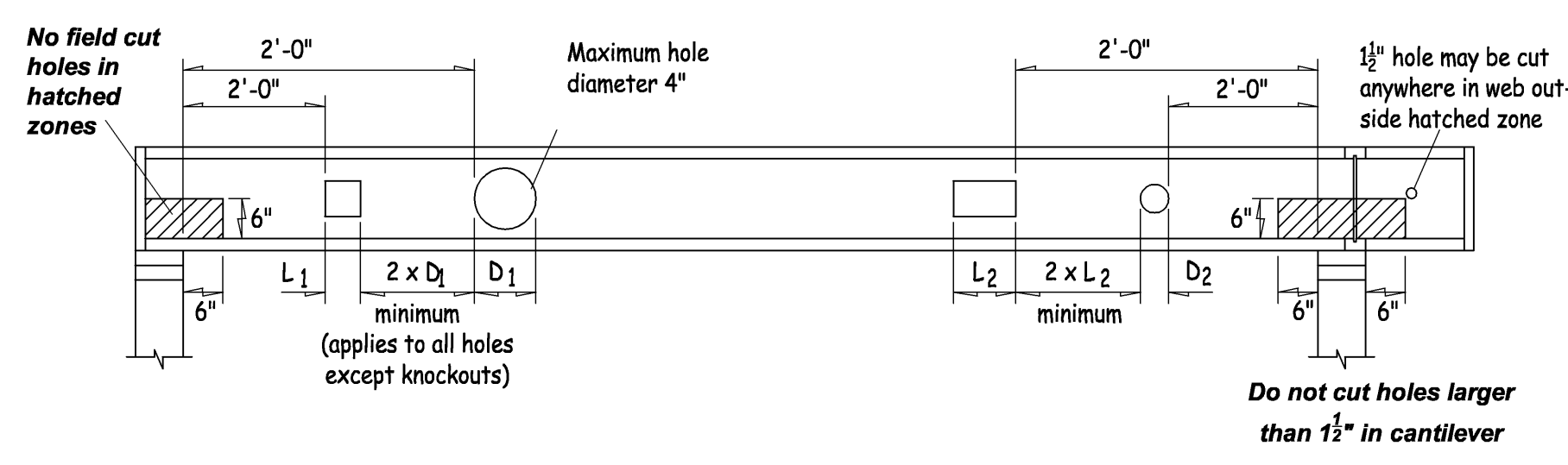
X EXTERIOR CORNER FRAMING DETAIL
SX 3/4" = 1'- 0"

Web stiffeners required each side at E1W

8" diameter maximum hole for 11/8" - 20" deep blocking panels; 6" diameter maximum for blocking panels 9 1/2" deep or shorter than 12" long. Do not cut flanges.

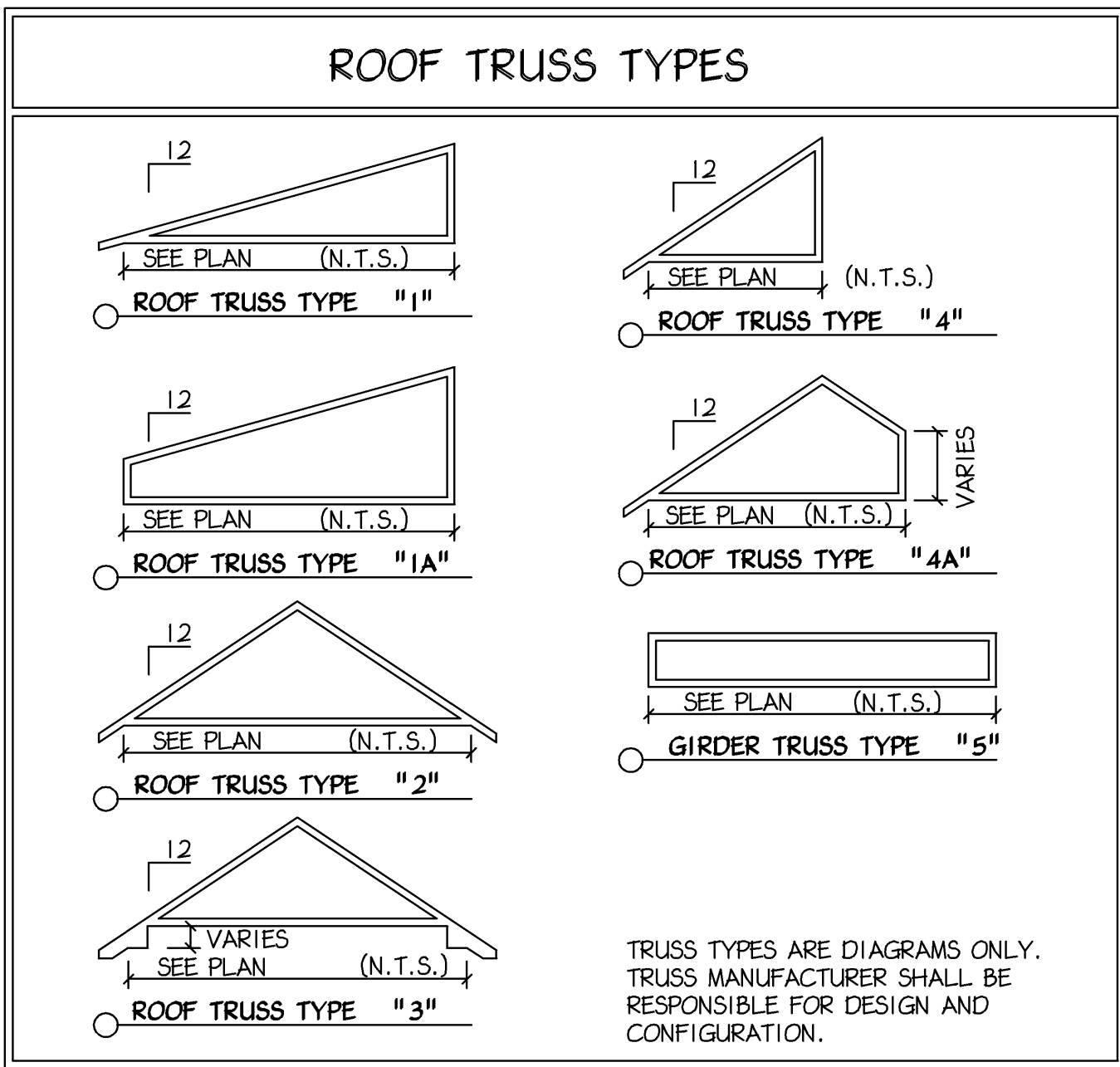


7 TJI WEB STIFFENERS
S-3 SCALE N.T.S.



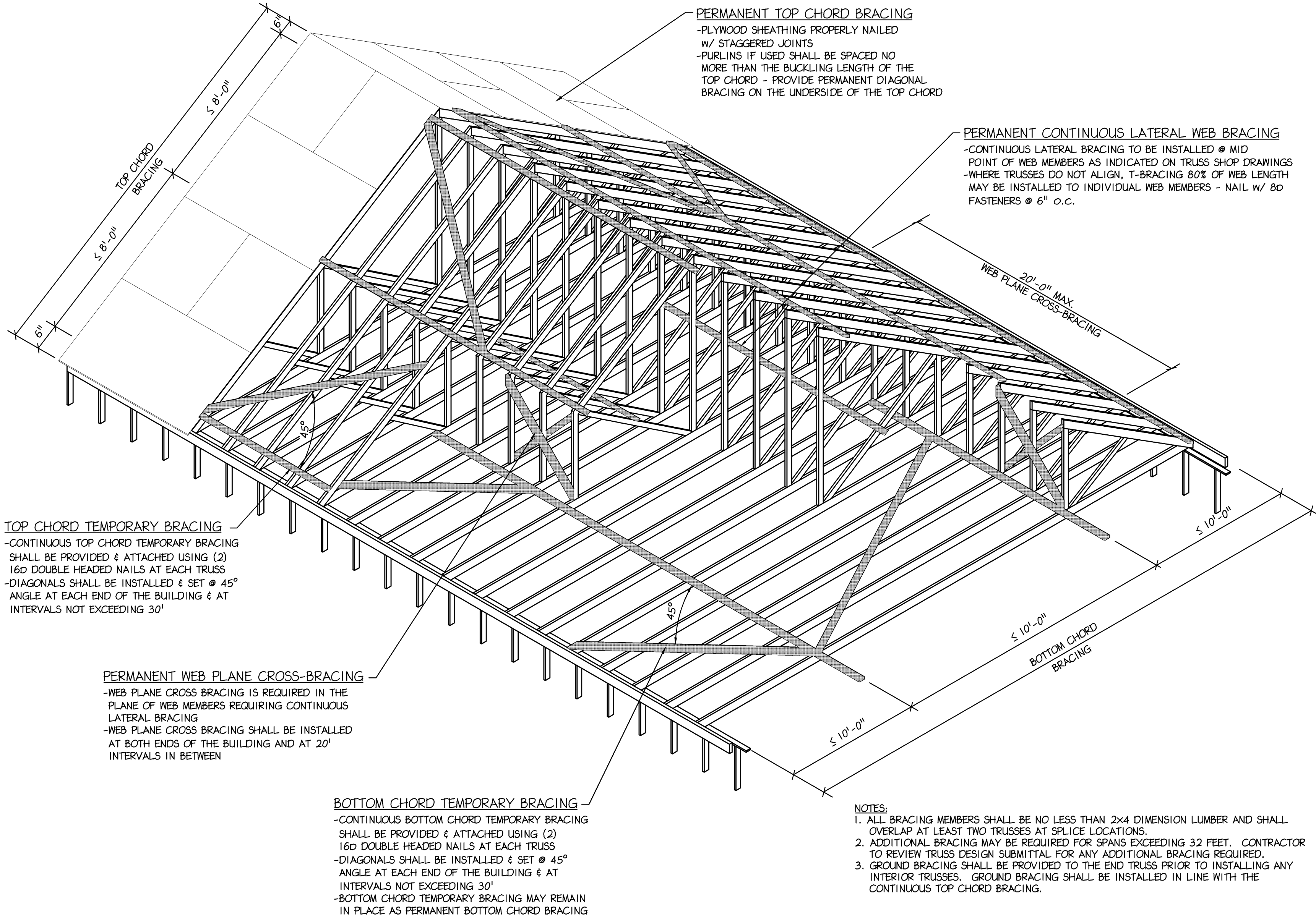
8 TJI ALLOWABLE HOLES
S-3 SCALE N.T.S.

ALLOWABLE HOLES - TJI® Joists



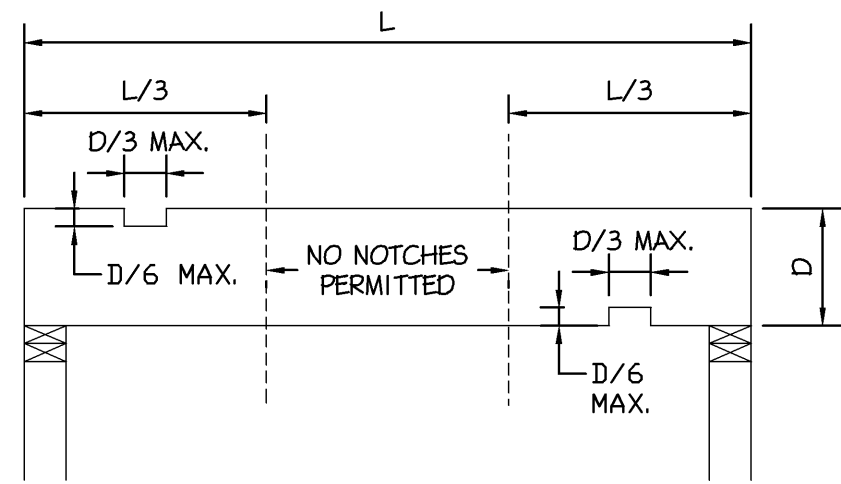
TRUSS NOTES

- SUBMITTALS**
 - SUBMIT STRUCTURAL CALCULATIONS FOR TRUSS DESIGNS PREPARED BY THE MANUFACTURER BEARING THE SEAL OF A REGISTERED ENGINEER FOR APPROVAL BY THE STRUCTURAL ENGINEER. CALCULATIONS SHALL INCLUDE, BUT ARE NOT LIMITED TO:
 - DESCRIPTION OF THE DESIGN CRITERIA
 - ENGINEERING ANALYSIS DEPICTING STRESS AND DEFLECTION REQUIREMENTS FOR EACH TRUSS APPLICATION
 - SELECTION OF TRUSS COMPONENTS AND ACCESSORIES
 - VERIFICATION OF ATTACHMENTS TO STRUCTURE AND/OR ADJACENT FRAMING COMPONENTS
 - NOTE: TRUSS CONFIGURATIONS SHOWN ON PLANS ARE APPROXIMATE
- ERECTION**
 - CUTTING, DRILLING, OR NOTCHING ANY OF THE TRUSS MEMBERS IS NOT PERMITTED WITHOUT DESIGNER APPROVAL.
 - ERECTOR SHALL NOT ALTER TRUSS SPACING WITHOUT RECEIVING WRITTEN APPROVAL FROM THE TRUSS DESIGNER.
 - HEAVY CONSTRUCTION LOADS SUCH AS STACKS OF PLYWOOD, GYPSUM WALLBOARD, PILES OF ROOFING GRAVEL, BRICKS, AIR CONDITIONING UNITS, ETC. SHALL NEVER BE PLACED ON TRUSSES BEFORE THEY ARE PROPERLY BRACED. SUCH LOADS SHALL BE LIMITED TO EIGHT SHEETS AND LOCATED AS CLOSE TO A SUPPORT AS POSSIBLE.
 - MECHANICAL EQUIPMENT SHOULD BE LOCATED ONLY ON THE TRUSSES SPECIFICALLY DESIGNED TO SUPPORT IT. THE UNITS SHALL NOT BE SET ON ANY OTHER TRUSSES TEMPORARILY UNLESS PROPERLY SHORED.
 - WHEN ERECTING BY HAND, TRUSSES ARE SLID INTO POSITION OVER THE SIDE WALL AND ROTATED INTO POSITION. THE TRUSS SHALL BE SUPPORTED AT THE PEAK, OR AT THE QUARTER POINTS.
 - TRUSSES LARGE ENOUGH TO BE ERECTED BY MECHANICAL MEANS MUST EMPLOY ADEQUATE SLINGS, TAG LINES, BOOMS AND/OR SPREADER BARS TO CONTROL MOVEMENT OF THE TRUSS AND PREVENT LATERAL BENDING.
 - FOR LIFTING TRUSSES WITH SPANS IN EXCESS OF SIXTY (60) FEET, IT IS RECOMMENDED THAT A STRONG-BACK BE USED. THE STRONG-BACK SHOULD BE ATTACHED TO THE TOP CHORD AND WEB MEMBERS AT INTERVALS OF APPROXIMATELY TEN (10) FEET, AND SHALL BE AT OR ABOVE MID-HEIGHT OF THE TRUSS SO AS TO PREVENT OVERTURNING.
 - TRUSSES MAY BE ERECTED SINGLY OR Banded TOGETHER.
 - TRUSSES THAT DO NOT MEET INTERIOR LOAD BEARING WALLS SHOULD BE SHIMMED.
- CONTINUOUS LATERAL BRACING**
 - BRACING MATERIALS SHALL BE FURNISHED BY THE BUILDER OR ERECTION CONTRACTOR.
 - CONTINUOUS LATERAL BRACING IS DEFINED AS BRACING REQUIRED TO REDUCE THE BUCKLING LENGTH OF THE INDIVIDUAL TRUSS MEMBERS. LATERAL BRACING IS A PART OF THE TRUSS DESIGN AND SHALL BE SPECIFIED ON THE TRUSS DESIGN DRAWINGS.
- TEMPORARY BRACING**
 - FOR WOOD TRUSSES TEMPORARY BRACING SHALL BE NOT LESS THAN 2x4 DIMENSION LUMBER AND SHALL BE NAILED WITH TWO DOUBLE HEADED 16D NAILS.
 - FOR METAL TRUSSES TEMPORARY BRACING SHALL BE NOT LESS THAN 3-5/8" x 16 GA METAL STUDS.
 - ALL TEMPORARY BRACING SHALL BE AS LONG AS PRACTICAL FOR HANDLING. THE USE OF SHORT SPACER PIECES BETWEEN ADJACENT TRUSSES AS TEMPORARY BRACING IS NOT PERMITTED.
 - DIAGONAL CROSS BRACING SHALL BE IN THE PLANE FORMED BY THE TOP CHORDS, IN THE PLANE OF THE BOTTOM CHORDS, & PERPENDICULAR TO THE TRUSS WEB MEMBERS.
 - DIAGONAL BRACING SHALL BE ATTACHED TO ALL WEB MEMBERS REQUIRING LATERAL BRACING. THE DIAGONAL BRACING SHALL BE INSTALLED AT APPROXIMATELY A 45 DEGREE ANGLE TO THE LATERAL BRACING. DIAGONAL BRACING SHALL BE ATTACHED TO THE OPPOSITE SIDE OF THE SAME MEMBER REQUIRING LATERAL BRACING.
 - THE END TRUSS MUST BE ADEQUATELY BRACED TO THE GROUND BEFORE THE SETTING OF ANY INTERIOR TRUSSES. THE GROUND BRACES SHALL BE LOCATED DIRECTLY IN LINE WITH ALL OF THE ROWS OF TOP CHORD CONTINUOUS LATERAL BRACING.
 - ERECTOR SHALL INSTALL SUFFICIENT TEMPORARY BRACING TO HOLD THE TRUSSES PLUMB, IN ALIGNMENT, & IN A SAFE CONDITION UNTIL THE PERMANENT BRACING, DECKING, AND/OR SHEATHING CAN BE INSTALLED.
 - TOP CHORD PLANE - SEE TRUSS BRACING DETAIL.
 - WEB MEMBER PLANE - SEE TRUSS BRACING DETAIL.
 - BOTTOM CHORD PLANE - SEE TRUSS BRACING DETAIL.
- PERMANENT BRACING**
 - TOP CHORD PLANE - SEE TRUSS BRACING DETAIL.
 - WEB MEMBER PLANE - THE TEMPORARY BRACING SHALL REMAIN IN PLACE AS THE PERMANENT BRACING.
 - BOTTOM CHORD PLANE - THE TEMPORARY BRACING SHALL REMAIN IN PLACE AS THE PERMANENT BRACING.



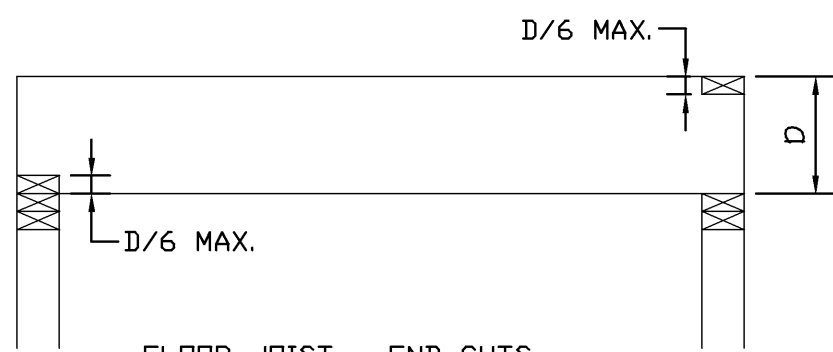
1 ROOF TRUSS DETAIL

S-4 1/4" = 1'- 0"



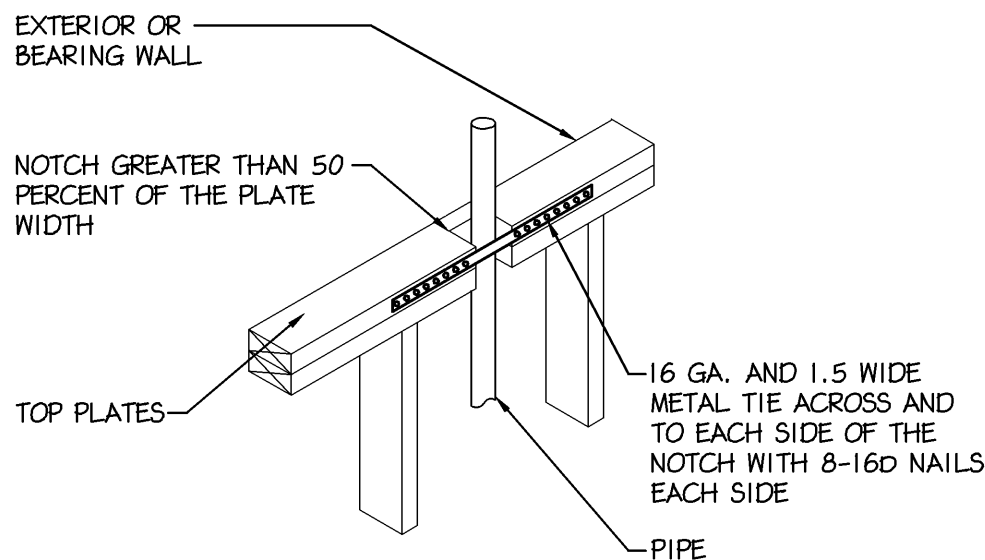
2 ALLOWABLE NOTCHING IN SAWN LUMBER

S-4 3/4" = 1'- 0"



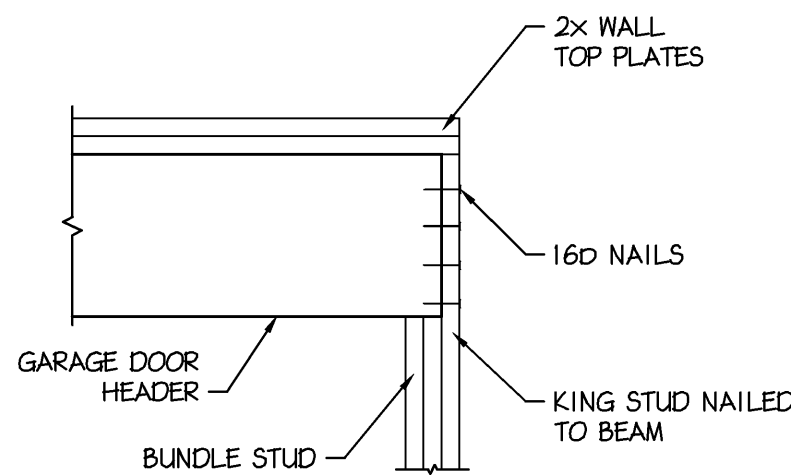
3 ALLOWABLE END CUTS IN SAWN LUMBER

S-4 3/4" = 1'- 0"



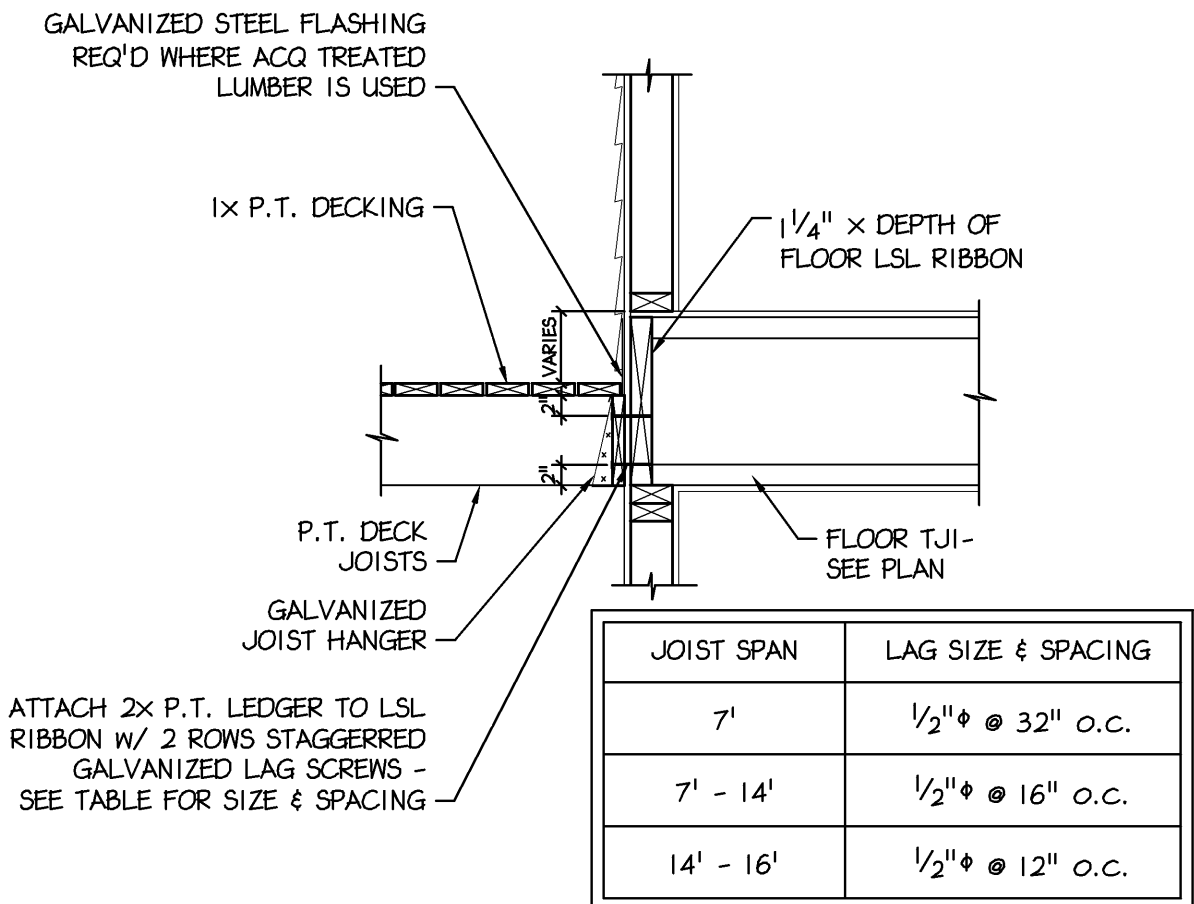
4 TOP PLATE FRAMING TO ACCOMMODATE PIPING

S-4 3/4" = 1'- 0"



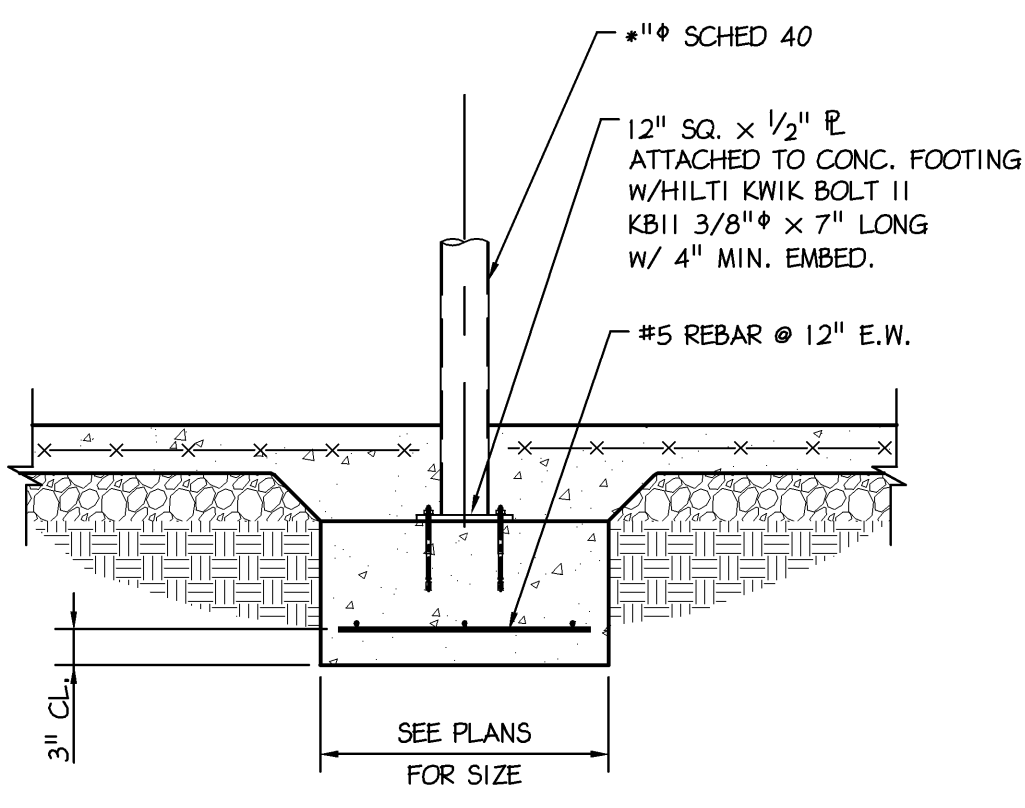
5 HEADER TO END WALL & KING STUD DETAIL

S-4 3/4" = 1'- 0"



6 DECK ATTACHMENT DETAIL

S-4 3/4" = 1'- 0"



7 POST ON FOOTING DETAIL

S-4 3/4" = 1'- 0"

LOADING/DEFLECTION	
DEFLECTION LIMIT: L/360	
TOP CHORD:	
LIVE: 30 PSF + DRIFT	
DEAD: 15 PSF + OVERFRAMING	
BOTTOM CHORD:	
LIVE: SEE TRUSS CONFIGURATION	
DEAD: 10 PSF	
TRUSS DIMENSIONS SHOWN ARE ONLY APPROXIMATE FOR DESIGN PURPOSES - CONTRACTOR IS RESPONSIBLE FOR EXACT DIMENSIONS OF BEARING LOCATIONS	
TRUSS CONFIGURATIONS SHOWN ARE APPROXIMATE. ACTUAL DESIGN OF WOOD TRUSSES TO BE BY THE TRUSS MFG. SUBMIT CALCULATIONS BEARING THE SEAL OF A REGISTERED ENGINEER	

LIVE LOADS APPLICABLE CODE: IBC 2006

FLOOR LIVE LOADS	
LIVE LOAD	40 PSF (LIVING AREAS) 30 PSF (SLEEPING AREAS) 60 PSF (DECK) 100 PSF SEE DRAWINGS
STAIRWAY LIVE LOAD	
MECHANICAL UNIT LOAD	

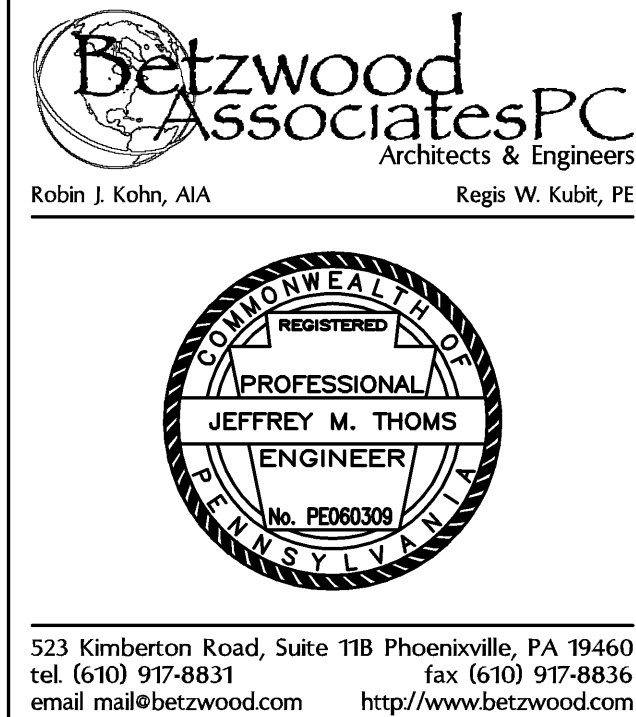
ROOF LOADS	
ROOF LIVE LOAD	20 PSF (MIN)
ROOF SNOW LOAD	30 PSF + SNOW DRIFT
GROUND SNOW LOAD - Pg	30 PSF
FLAT ROOF SNOW LOAD - Pf	25 PSF
SNOW EXPOSURE FACTOR - Ce	1.0
SNOW LOAD IMPORTANCE FACTOR - I1	1.0
THERMAL FACTOR - Ct	1.0

WIND LOAD	
BASIC WIND SPEED - V (3-SEC. GUST)	90 MPH
WIND LOAD IMPORTANCE FACTOR	1.0
WIND LOAD EXPOSURE CATEGORY	B
INTERNAL PRESSURE COEFFICIENT	± 0.25
WIND DESIGN PRESSURE	25 PSF

SEISMIC LOAD	
SEISMIC DESIGN CATEGORY:	C
SEISMIC USE GROUP:	II
SPECTRAL RESPONSE COEFFICIENT - SDS:	0.339
SPECTRAL RESPONSE COEFFICIENT - SDI:	0.133
SITE CLASS:	D
BASIC SEISMIC FORCE RESISTING SYSTEM:	LIGHT FRAME WALLS W/ SHEAR PANELS
ANALYSIS PROCEDURE:	EQUIVALENT LATERAL FORCE PROCEDURE

TIMBER NOTES

- ALL WOOD FRAMING SHALL BE FABRICATED, ERECTED, AND BRACED IN ACCORDANCE WITH THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, LATEST EDITION.
- ALL SAWN LUMBER SHALL BE HEW-FIR #2, 19% MAXIMUM MOISTURE CONTENT OR BETTER. THE MINIMUM DESIGN VALUES SHALL BE:
 - Fb = 850 psi
 - Fv = 150 psi
 - Fc = 1300 psi
 - E = 1,300,000 psi
- MINIMUM DESIGN VALUES FOR PARALLAM (PSL) MEMBERS SHALL BE:
 - Fb = 2900 psi
 - Fv = 290 psi
 - Fc = 2900 psi
 - E = 2,000,000 psi
- MINIMUM DESIGN VALUES FOR MICROLAM (LVL) MEMBERS SHALL BE:
 - Fb = 2600 psi
 - Fv = 285 psi
 - Fc = 2510 psi
 - E = 1,900,000 psi
- ALL STEEL TIMBER FASTENINGS AND JOIST HANGERS SHALL BE A MINIMUM OF 16 GA. GALVANIZED STEEL WITH A RATED LOAD CAPACITY EQUAL TO OR EXCEEDING THE IMPOSED LOADING REQUIREMENTS.
- ALL WOOD PLATES BEARING ON MASONRY OR CONCRETE WALLS SHALL BE PRESSURE TREATED LUMBER UNLESS NOTED OTHERWISE.
- ALL DOUBLE JOISTS SHALL BE SPIKED TOGETHER WITH 10D NAILS @ 16" O.C.
- ALL DOUBLE TJI JOISTS SHALL BE ATTACHED AS PER MANUFACTURERS RECOMMENDATIONS.
- ALL PLYWOOD ROOF SHEATHING SHALL BE SECURED WITH PLY CLIPS AT CENTERLINE OF PLYWOOD SPAN AND AT ALL EDGES PARALLEL TO SPAN.
- PLYWOOD SHEATHING SHALL BE CONTINUOUS OVER A MINIMUM OF 3 SPANS.
- PLYWOOD SHALL BE SECURED USING 8D NAILS.
- ALL PLYWOOD SHALL MEET THE REQUIREMENTS OF THE PLYWOOD DESIGN SPECIFICATIONS AS PUBLISHED BY THE AMERICAN PLYWOOD ASSOCIATION AND THE REQUIREMENTS OF THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION, LATEST EDITION.
- WOOD TRUSS JOISTS ARE TO BE DESIGNED BY THE MANUFACTURER. ALL CALCULATIONS SHALL BE SEALED BY A REGISTERED ENGINEER AND SHALL BE SUBMITTED FOR APPROVAL BY THE STRUCTURAL ENGINEER.



Jeffrey M. Thoms, P.E.
Commonwealth of Pennsylvania
License No. PE060309

Contact Person:
Edward (Kipp) Happ
(610) 917-8831

PROJECT NO.		DRAWN BY	CHK'D BY
B2876		MJK	RJK
NO.	DATE	BY	ISSUE
1	06/05/08		ISSUED FOR CLIENT REVIEW
2	06-10-08	EMH	REVISED PLAN LAYOUT & FURNITURE LAYOUT
3	07-01-08	EMH	REVISED PLAN - REDUCED SQFT.
4	08-19-08	EMH	ISSUED FOR PERMIT & CONSTRUCTION
5			
6			
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8			
9			
10			
11			
12			
13			
14			
15			

APPROVED BY: Robin J. Kohn, AIA
CURRENT DATE: Sept 19, 2008

VLOEDMAN RESIDENCE
541 Atterbury Road
Villanova, PA 19085

Radnor Township
Delaware County

SHEET TITLE

NOTES AND DETAILS

SHEET NUMBER

S-4

REV
4

"LP-B" PANEL SCHEDULE

PANEL: LP-B		VOLTAGE: 120/240		PHASE: 1		WIRES: 3		MAINS: 125 AMP MLO		
MOUNT: SURFACE		ENCLOSURE: NEMA-1		LOCATION: BASEMENT MECHANICAL ROOM						
DESCRIPTION	LOAD	TRIP	CKT	A	B	CKT	TRIP	LOAD	DESCRIPTION	
GAME RM LTS	760	20/1	1	1080	2	20/1	300	300	PLAY AREA LTS	
HOME OFFICE OUTDOOR LTS	300	20/1	3	1020	4	20/1	ARC	720	HOME OFFICE RECEPT	
HOME OFFICE RECEPT	1080	ARC	20/1	5	1380	6	20/1	300	OFFICE BATH & CLO. LTS	
GAME RM RECEPT	1080	ARC	20/1	7	2340	8	20/1	ARC	1380	PLAY AREA RECEPT
BAMF STOR & BATH RECEPT	600	GFCI	20/1	9	960	10	20/1	GFCI	360	BATH RECEPT
REAR PATIO RECEPT	360	GFCI	20/1	11	720	12	20/1	GFCI	360	OUTDOOR RECEPT
MECH RM	420	20/1	13	420	14	20/1	-	-	-	SPARE
SMOKE DETECTORS / ALARM	200	20/1	15	200	16	20/1	-	-	-	SPARE
SPACE	-	20/1	17	-	18	-	-	-	-	SPACE
SPACE	-	-	19	-	20	-	-	-	-	SPACE
SPACE	-	-	21	-	22	-	-	-	-	SPACE
SPACE	-	-	23	-	24	-	-	-	-	SPACE
SPACE	-	-	25	-	26	-	-	-	-	SPACE
SPACE	-	-	27	-	28	-	-	-	-	SPACE
SPACE	-	-	29	-	30	-	-	-	-	SPACE
SPACE	-	-	31	-	32	-	-	-	-	SPACE
SPACE	-	-	33	-	34	-	-	-	-	SPACE
SPACE	-	-	35	-	36	-	-	-	-	SPACE
SPACE	-	-	37	-	38	-	-	-	-	SPACE
SPACE	-	-	39	-	40	-	-	-	-	SPACE
SPACE	-	-	41	-	42	-	-	-	-	SPACE
PHASE A: 3,640		PHASE B: 4,280		MODIFICATIONS:		AMPS RMS: 579A, 33.6		TOTAL VA: 8,120		
WFS/TYPE: SQUARE D										

"LP-1" PANEL SCHEDULE

PANEL: LP-1		VOLTAGE: 120/240		PHASE: 1		WIRES: 3		MAINS: 400 AMP MCB		
MOUNT: SURFACE		ENCLOSURE: NEMA-1		LOCATION: GARAGE						
DESCRIPTION	LOAD	TRIP	CKT	A	B	CKT	TRIP	LOAD	DESCRIPTION	
PANEL LP-B	3640	100/2	1	20360	2	100/2	-	16540	PANEL RM	
	4260	100/2	3	20800	4		-	16570		
PANEL LP-2	11820	100/2	5	25650	6	20/1	720		KITCHEN RECEPT	
	3640	100/2	7	9820	8	20/1	720		DINING RM LTS	
MUD RM - KIT RECEPT	900	GFCI	20/1	9	2340	10	20/1	1440	GREAT RM RECEPT	
KIT RECESSED LTS / SINK	420	20/1	11	720	12	20/1	300		NET BAR / ALCOVE LTS	
DINING RM RECEPT	900	ARC	20/1	13	1440	14	20/1	500	STUDY LTS	
GREAT RM ENTERTAINMENT	360	DURKE	20/1	15	860	16	20/1	500	GUEST BATH & HALL LTS	
FRONT ENTRY RECEPT	720	ARC	20/1	17	1320	18	20/1	600	REAR PORCH LTS	
STUDY RECEPT	900	ARC	20/1	19	1260	20	20/1	GFCI	360	FRONT OUTDOOR RECEPT
HOME OFFICE RECEPT	1080	ARC	20/1	21	1080	22	20/1	-	SPARE	
REAR PORCH RECEPT	1080	GFCI	20/1	23	1080	24	20/1	-	SPARE	
1ST FLR WINDOWS	300	20/1	25	300	26	20/1	-	-	SPARE	
GREAT RM WINDOWS	500	20/1	27	500	28	-	-	-	SPACE	
GREAT RM WALL LTS	900	20/1	29	900	30	-	-	-	SPACE	
SPACE	-	20/1	31	-	32	-	-	-	SPACE	
SPACE	-	-	33	-	34	-	-	-	SPACE	
SPACE	-	-	35	-	36	-	-	-	SPACE	
SPACE	-	-	37	-	38	-	-	-	SPACE	
SPACE	-	-	39	-	40	-	-	-	SPACE	
SPACE	-	-	41	-	42	-	-	-	SPACE	
PHASE A: 40,220		PHASE B: 36,080		MODIFICATIONS:		AMPS RMS: 579A, 33.6		TOTAL VA: 75,360		
WFS/TYPE: SQUARE D										

"LP-2" PANEL SCHEDULE

PANEL: LP-2		VOLTAGE: 120/240		PHASE: 1		WIRES: 3		MAINS: 125 AMP MLO		
MOUNT: SURFACE		ENCLOSURE: NEMA-1		LOCATION: 2ND FLOOR LAUNDRY RM						
DESCRIPTION	LOAD	TRIP	CKT	A	B	CKT	TRIP	LOAD	DESCRIPTION	
MASTER BEDRM RECEPT	1260	ARC	20/1	1	3060	2	20/1	ARC	1800	MASTER SITTING RM
MASTER BAT LTS	700	20/1	3			3	20/1	480	LAUNDRY & UTILITY LTS	
HUBRDY	720	20/1	5		5200	6	30/2	4000	DRYER	
LAUNDRY RECEPT	720	GFCI	20/1	7	5220	8				
BEDRM #2 RECEPT	1800	ARC	20/1	9	2880	10	20/1	ARC	1080	BEDRM #3 RECEPT
BATHROOM LTS	1560	ARC	20/1	11	2640	12	20/1	ARC	1080	BEDRM #4 RECEPT
BATHRM RECEPT	540	GFCI	20/1	13	690	14	20/1	150		2ND FLR WINDOW RECEPT
SPACE	-	20/1	15	-	16	20/1	-	-	-	SPACE
SPACE	-	20/1	17	-	18	-	-	-	-	SPACE
SPACE	-	-	19	-	20	-	-	-	-	SPACE
SPACE	-	-	21	-	22	-	-	-	-	SPACE
SPACE	-	-	23	-	24	-	-	-	-	SPACE
SPACE	-	-	25	-	26	-	-	-	-	SPACE
SPACE	-	-	27	-	28	-	-	-	-	SPACE
SPACE	-	-	29	-	30	-	-	-	-	SPACE
SPACE	-	-	31	-	32	-	-	-	-	SPACE
SPACE	-	-	33	-	34	-	-	-	-	SPACE
SPACE	-	-	35	-	36	-	-	-	-	SPACE
SPACE	-	-	37	-	38	-	-	-	-	SPACE
SPACE	-	-	39	-	40	-	-	-	-	SPACE
SPACE	-	-	41	-	42	-	-	-	-	SPACE
PHASE A: 11,630		PHASE B: 9,640		MODIFICATIONS:		AMPS RMS: 579A, 33.6		TOTAL VA: 20,820		
WFS/TYPE: SQUARE D										

"EM" PANEL SCHEDULE

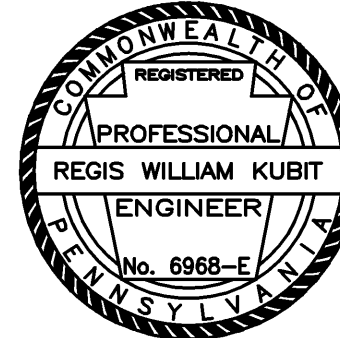
PANEL: EM		VOLTAGE: 120/240		PHASE: 1		WIRES: 3		MAINS: 125 AMP MLO	
MOUNT: SURFACE		ENCLOSURE: NEMA-1		LOCATION: GARAGE					
DESCRIPTION	LOAD	TRIP	CKT	A	B	CKT	TRIP	LOAD	DESCRIPTION
CHILLER #1	4920	60/2	1	9840	2	60/2	-	4920	CHILLER #2
CHILLER #2	4920	60/2	3	9840	4	60/2	-	4920	CHILLER #3
AH-1	900	20/1	5	1800	6	20/1	200	200	AH-3
AH-2	900	20/1	7	2100	8	20/1	1200	1200	BOILER
WALLOVEN	1800	30/2	9	2800	10	30/2	2000	2000	COOKTOP
FRONT ENTRY LTS	900	20/1	13	1740	14	20/1	840	840	REFRIG
HALL & REAR ENTRY LTS	780	20/1	15	1830	16	20/1	1080	1080	KITCHEN LTS
SPACE	-	20/1	17	360	18	-	-	360	UPSTAIRS HALL LTS
SPACE	-	-	19	-	20	-	-	-	SPACE
SPACE	-	-	21	-	22	-	-	-	SPACE
SPACE	-	-	23	-	24	-	-	-	SPACE
SPACE	-	-	25	-	26	-	-	-	SPACE
SPACE	-	-	27	-	28	-	-	-	SPACE
SPACE	-	-	29	-	30	-	-	-	SPACE
SPACE	-	-	31	-	32	-	-	-	SPACE
SPACE	-	-	33	-	34	-	-	-	SPACE
SPACE	-	-	35	-	36	-	-	-	SPACE
SPACE	-	-	37	-	38	-	-	-	SPACE
SPACE	-	-	39	-	40	-	-	-	SPACE
SPACE	-	-	41	-	42	-	-	-	SPACE
PHASE A: 16,540		PHASE B: 16,520		MODIFICATIONS:		AMPS RMS: 579A, 33.6		TOTAL VA: 33,112	
WFS/TYPE: SQUARE D									

ELECTRICAL SYMBOLS

	SINGLE POLE SWITCH
	THREE (3) POLE SWITCH
	FOUR (4) POLE SWITCH
	REOSTAT SWITCH
	DUPLEX OUTLET
	DUPLEX OUTLET GROUND FAULT INTERRUPTED
	DUPLEX OUTLET SPLIT WIRED TO SWITCH
	DUPLEX OUTLET WATER PROOF GROUND FAULT
	DUPLEX OUTLET WITH SWITCH
	220 SERVICE OUTLET
	JUNCTION BOX
	CEILING LIGHT FIXTURE
	RECESSED CEILING LIGHT FIXTURE
	WALL LIGHT FIXTURE
	GARBAGE DISPOSAL
	CEILING EXHAUST FAN
	WALL EXHAUST FAN
	PHONE OUTLET / CAT-5E
	DATA PORT / CAT-6
	RG-6 CATV OUTLET
	THERMOSTAT
	CENTRAL VAC INLET PORT
	DOOR BELL BUTTON
	DOOR BELL CHIMES
	SMOKE DETECTOR
	ELECTRIC PANEL
	ELECTRIC METER
	ALARM KEYPAD
	FLUORESCENT FIXTURE
	FLUORESCENT STRIP FIXTURE

NOTES:
- CH INDICATES COUNTER HEIGHT
- DIMENSIONS ADJACENT TO SYMBOL
INDICATES HEIGHT ABOVE FINISH FLOOR.

ALL SMOKE DETECTORS SHALL BE INTERCONNECTED.
ALL DETECTORS SHALL HAVE A PRIMARY 120 VOLT
SUPPLY AND A SECONDARY SYSTEM CONSISTING OF
A BATTERY BACK-UP.



523 Kimberton Road, Suite 118 Phoenixville, PA 19380
tel: (610) 917-8831 fax: (610) 917-8836
email: info@betzwood.com http://www.betzwood.com

Regis W. Kubit, PE
Commonwealth of Pennsylvania
License No. PE-6966-E

Contact Person:
Edward (Kipp) Happ
(610) 917-8831

PROJECT NO.		DRAWN BY	CHK'D BY
B2876		EMH	RJK
NO.	DATE	BY	ISSUE
1	06/05/08		ISSUED FOR CLIENT REVIEW
2	06-10-08	EMH	REVISED PLAN LAYOUT & FURNITURE LAYOUT
3	07-01-08	EMH	REVISED PLAN - REDUCED SQ.FT.
4	09-19-08	EMH	ISSUED FOR PERMIT & CONSTRUCTION
5			
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7			
8			
9			
10			
11			
12			
13			
14			
15			
APPROVED BY		CURRENT DATE	
Robin J. Kohn, AIA		Sept 19, 2008	

VLOEDMAN RESIDENCE
541 Atterbury Road
Villanova, PA 19085

Radnor Township
Delaware County

SHEET TITLE

**LIGHTING & POWER
PLAN**

SHEET NUMBER

E-1

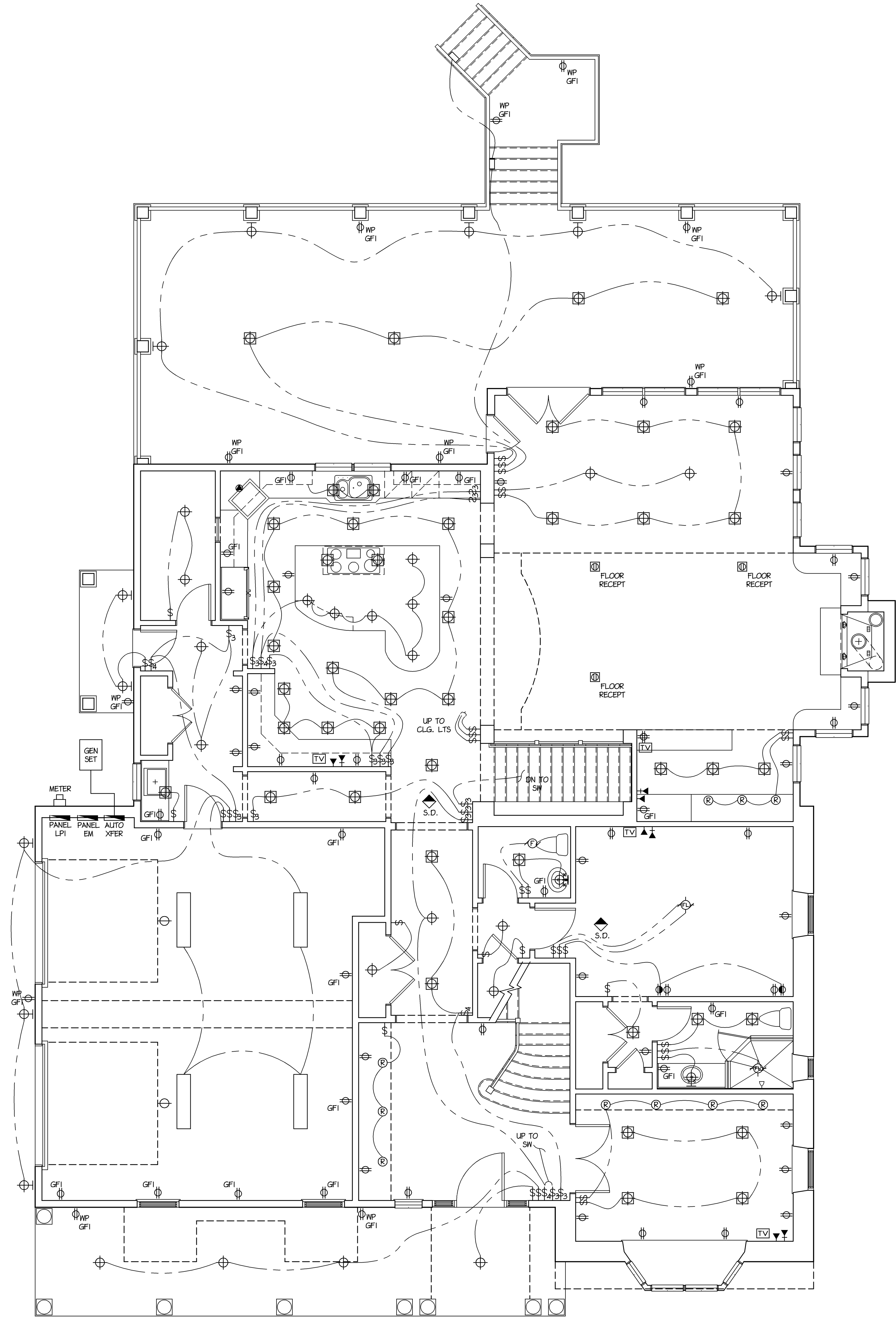
REV
4

2 ELECTRICAL SINGLE LINE

E-1 Scale: Not to Scale

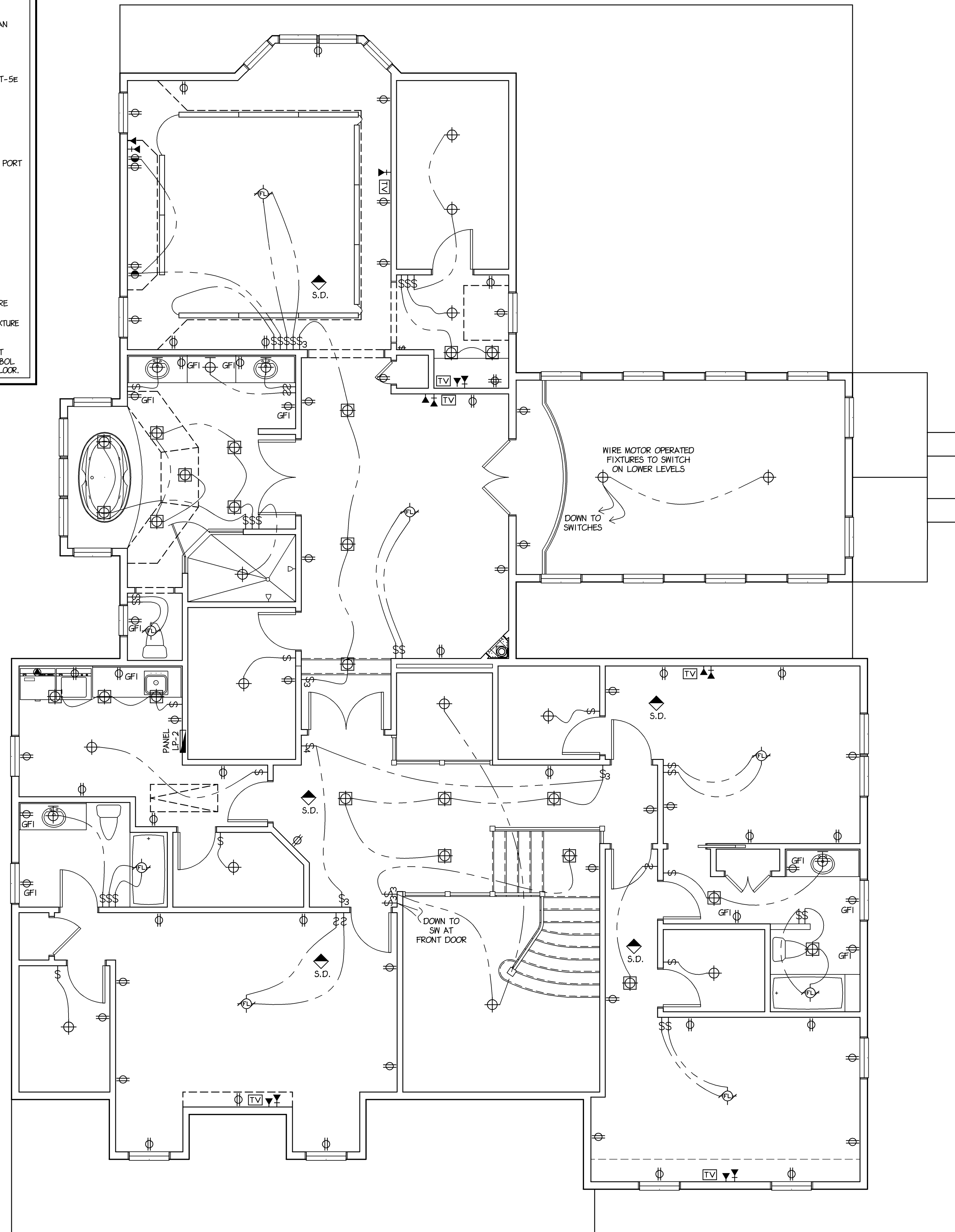
1 BASEMENT ELECTRICAL PLAN

E-1 Scale: 1/4" = 1'-0"



1 FIRST FLOOR ELECTRICAL PLAN
E-2 Scale: 1/4" = 1'-0"

ELECTRICAL SYMBOLS	
	SINGLE POLE SWITCH
	THREE (3) POLE SWITCH
	FOUR (4) POLE SWITCH
	REOSTAT SWITCH
	DUPLEX OUTLET
	DUPLEX OUTLET GROUND FAULT INTERRUPTED
	DUPLEX OUTLET SPLIT WIRED TO SWITCH
	DUPLEX OUTLET WATER PROOF GROUND FAULT
	DUPLEX OUTLET WITH SWITCH
	220 SERVICE OUTLET
	JUNCTION BOX
	CEILING LIGHT FIXTURE
	RECESSED CEILING LIGHT FIXTURE
	WALL LIGHT FIXTURE
	GARBAGE DISPOSAL
	CEILING EXHAUST FAN
	WALL EXHAUST FAN
	PHONE OUTLET / CAT-5e
	DATA PORT / CAT-6
	RG-6 CATV OUTLET
	THERMOSTAT
	CENTRAL VAC INLET PORT
	DOOR BELL BUTTON
	DOOR BELL CHIMES
	SMOKE DETECTOR
	ELECTRIC PANEL
	ELECTRIC METER
	ALARM KEYPAD
	FLUORESCENT FIXTURE
	FLUORESCENT STRIP FIXTURE
NOTES:	
- CH INDICATES COUNTER HEIGHT	
- DIMENSIONS ADJACENT TO SYMBOL INDICATES HEIGHT ABOVE FINISH FLOOR.	



2 SECOND FLOOR ELECTRICAL PLAN
E-2 Scale: 1/4" = 1'-0"

Regis W. Kubit, PE
Commonwealth of Pennsylvania
License No. PE-6968-E

Contact Person:
Edward (Kipp) Happ
(610) 917-8831

PROJECT NO.		DRAWN BY		CHK'D BY
B2876		EMH		RJK
NO.	DATE	BY	ISSUE	
1	06/05/08		ISSUED FOR CLIENT REVIEW	
2	06-10-08	EMH	REVISED PLAN LAYOUT & FURNITURE LAYOUT	
3	07-01-08	EMH	REVISED PLAN - REDUCED SQFT.	
4	08-19-08	EMH	ISSUED FOR PERMIT & CONSTRUCTION	
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
APPROVED BY			CURRENT DATE	
Robin J. Kohn, AIA			Sept 19, 2008	

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