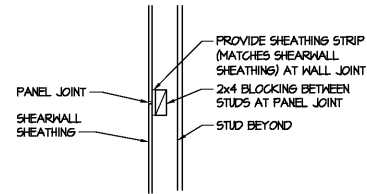
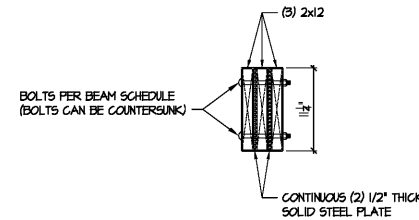




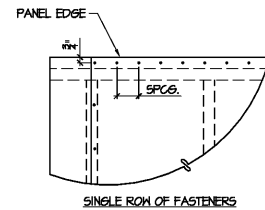
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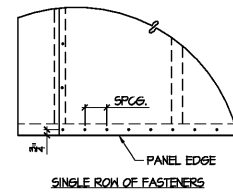
D BLOCKING DETAIL
NOT TO SCALE



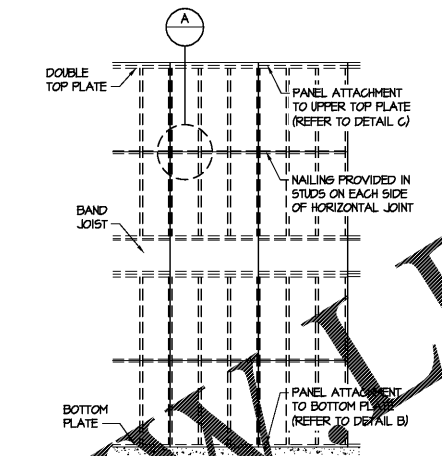
2 STEEL FLITCH BEAM DETAIL
NOT TO SCALE



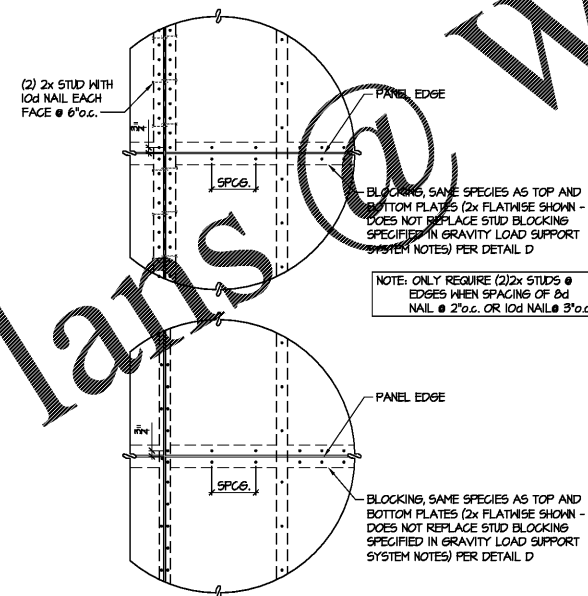
C SHEATHING EDGE AT TOP PLATE
NOT TO SCALE



B SHEATHING EDGE AT BOTTOM PLATE
NOT TO SCALE



1 PANEL SPLICE OCCURRING ACROSS STUDS
NOT TO SCALE

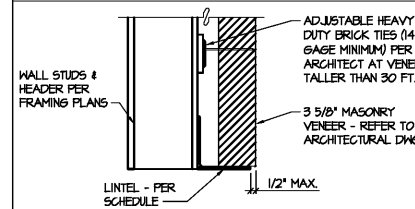


A SHEATHING EDGE AT BLOCKING
NOT TO SCALE

3 5/8" MASONRY VENEER LINTEL SCHEDULE

SPAN (OPENING)	BRICK HEIGHT ABOVE LINTEL	LINTEL SIZE *
UP TO 3'-6"	8'-0" MAXIMUM	5 x 5 x 5/16" ANGLE
UP TO 6'-6"	5'-0" MAXIMUM	5 x 5 x 3/8" ANGLE
UP TO 8'-6"	5'-0" MAXIMUM	5 x 5 x 1/2" ANGLE

* PROVIDE 4" MINIMUM BEARINGS AT EACH END. VENEER TO RETURN TIGHT TO EXTERIOR WALL AT EACH SIDE OF OPENINGS.



LIST OF ABBREVIATIONS

A.B. ANCHOR BOLT	LLV LONG LEG VERTICAL
ARCH. ARCHITECTURAL	LSL LAMINATED STRAND LUMBER
BOTT. BOTTOM	LVL LAMINATED VENEER LUMBER
C.J. CONTROL JOINT/CONSTRUCTION JOINT	MAX. MAXIMUM
C.L. CENTER LINE	MIN. MINIMUM
CLR. CLEAR	MIR. MIRROR
CMU CONCRETE MASONRY UNIT	M.O. MASONRY OPENING
CONT. CONTINUOUS	N.S. NEAR SIDE
D.B.A. DEFORMED BAR ANCHOR	N.T.S. NOT TO SCALE
DWG.S. DRAWINGS	P.F. POURED IN PLACE
E.E. EACH END	P.S.L. PARALLEL STRAND LUMBER
E.F. EACH FACE	P.T. PRESSURE TREATED/POST-TENSION
E.O.S. EDGE OF SLAB	S.A.D. SEE ARCHITECTURAL DRAWINGS
E.S. EACH SIDE	S.D. SHORT DIRECTION
E.W. EACH WAY	SIM. SIMILAR
F.G. FINISH GRADE	S.S. STRUCTURAL SELECT
F.O.M. FACE OF MASONRY	ST. STUD
F.S. FAR SIDE	T.O.F. TOP OF FOOTING
G.L. GLUE-LAMINATED BEAM	T.O.J. TOP OF JOIST
G.T. GIRDER TRUSS	T.O.S. TOP OF SLAB/TOP OF STEEL
H.C. HOLLOW CORE	T.O.W. TOP OF WALL
HORIZ. HORIZONTAL	T & B TOP AND BOTTOM
H.T. HIP TRUSS	TYP. TYPICAL
J. JACK STUD	UNO. UNLESS NOTED OTHERWISE
K. KING STUD	V.S. VALLEY TRUSS
L.D. LONG DIRECTION	W.P. WORKING POINT
LLH LONG LEG HORIZONTAL	

STRUCTURAL MASONRY NOTES

- MASONRY CONSTRUCTION AND MATERIALS SHALL CONFORM TO ALL REQUIREMENTS OF ACI 530.1, "SPECIFICATION FOR MASONRY STRUCTURES", EXCEPT AS MODIFIED BY THE REQUIREMENTS OF THESE CONTRACT DOCUMENTS.
- 28 DAY COMPRESSIVE STRENGTH OF GRADE N, ASTM C90 CONCRETE MASONRY UNITS, F' m, SHALL BE 1500 PSI. MINIMUM MORTAR STRENGTH (TYPE S) PER ASTM C91.
- MORTAR BED JOINTS SHALL NOT EXCEED 5/8" THICKNESS IN CONCEALED AREAS AND WITHIN SPECIFIED TOLERANCES IN AREAS EXPOSED TO VIEW.
- WALLS TO HAVE 9 GAUGE. HORIZONTAL JOINT REINFORCEMENT # 16 @ 16" O.C. UNLESS NOTED OTHERWISE ON PLANS. HORIZONTAL JOINT REINFORCEMENT SHALL NOT EXTEND THROUGH CONTROL JOINTS IN MASONRY WALLS. JOINT REINFORCEMENT SHALL BE PLACED CONTINUOUSLY WITH THE ENDS LAPPED 6" FOR DEFORMED BARS & 12" FOR SMOOTH BARS. JOINT REINFORCEMENT SHALL BE FULLY ENCASED WITH A MINIMUM COVER OF 5/8" FROM FACE OF MORTAR. HORIZONTAL JOINT REINFORCEMENT TO CONFORM TO ASTM A-82.
- PROVIDE JOINT REINFORCEMENT # 8 @ 16" O.C. AT MASONRY BELOW GRADE. 2 ROWS # 8" AT TOP AND BOTTOM OF OPENINGS. (EXTEND FROM EACH SIDE) AND 2 ROWS # 8" AT BOND BEAMS. UNLESS NOTED OTHERWISE, WHERE MULTIPLE MYTHES OF CONCRETE MASONRY ARE CONSTRUCTED AND/OR WHERE ADDITIONAL MYTHES OF CONCRETE MASONRY ARE ADDED TO EXISTING MYTHES, EACH JOINT MYTHE SHALL BE TIED TO THE NEXT MYTHE WITH TYPICAL JOINT REINFORCEMENT (REFER TO CONSTRUCTION FOR BOTH MYTHES) OR FOR UNINSTALLED TIES APPROVED BY ARCHITECT/ENGINEER (ADDITION TO EXISTING CONSTRUCTION) WITH SPACING/LOCATIONS MATCHING THE SPACING/LOCATIONS FOR TYPICAL JOINT REINFORCEMENT DESCRIBED IN THE GENERAL NOTES.
- FOUNDATIONS WHERE VERTICAL & HORIZONTAL ALIGNMENT WOULD CAUSE MORTAR JOINTS TO BE < 1/4" OR > 5/8" THICK SHALL BE CORRECTED PRIOR TO COMMENSING MASONRY CONSTRUCTION.
- IN LAYING THE FIRST COURSE, A FULL MORTAR BED SHALL BE PLACED ON THE FOUNDATION FOR A TOTAL THICKNESS OF THE WALL EXCEPT AT CELLS TO BE GROUTED SOLID.
- UNITS WHERE VERTICAL REINFORCING IS REQUIRED SHALL HAVE THE VERTICAL CORES ALIGN EVENLY FOR THE FULL HEIGHT OF THE CELL TO BE GROUTED.
- GROUT IN VERTICAL CORES SHALL NOT BE PLACED IN LIFTS GREATER THAN FOUR FEET. GROUT TO COMPLY WITH ASTM C-476 FOR USE IN CONSTRUCTION OF REINFORCED AND NON-REINFORCED UNIT MASONRY. USE GROUT OF CONSISTENCY INDICATED OR, IF NOT OTHERWISE INDICATED, OF CONSISTENCY (FINE OR COURSE) AT TIME OF PLACEMENT WHICH WILL COMPLETELY FILL ALL SPACES INTENDED TO RECEIVE GROUT. MINIMUM COMPRESSIVE STRENGTH SHALL BE 5000 psi IN 28 DAYS. USE FINE GROUT IN GROUT SPACES LESS THAN 2" IN HORIZONTAL DIRECTION, UNLESS NOTED OTHERWISE, AND USE COURSE GROUT (MAXIMUM 8" AGGREGATE) IN GROUT SPACES 2" OR MORE IN LEAST HORIZONTAL DIMENSION, UNLESS INDICATED OTHERWISE. SLUMP TO BE BETWEEN 8" AND 11". (3) TEST SAMPLES SHALL BE TAKEN PER ASTM C 1019. EACH DAY FOR THE FIRST THREE DAYS OF MASONRY CONSTRUCTION WITH AN ADDITIONAL (3) SAMPLES TAKEN FOR EVERY 30 CU YARDS PLACED, ONCE PER WEEK, OR EVERY 5000 SF OF WALL CONSTRUCTED (WHICHEVER IS MOST STRINGENT). COMPRESSION TEST RESULTS SHALL BE FORWARDED TO THE ARCHITECT/ENGINEER.
- VERTICAL CORES TO BE GROUTED SHALL HAVE A MINIMUM CLEAR DIMENSION OF TWO INCHES AND A CLEAR AREA OF 8 SQUARE INCHES.
- BRACING OF MASONRY WALLS PER GENERAL CONTRACTOR.
- NO VERTICAL PIPES ARE TO BE PLACED IN LOAD BEARING CMU WALLS. NO HORIZONTAL PIPES PARALLEL WITH THE WALL ARE PERMITTED IN CMU WALLS. PIPES OR CONDUITS MAY PENETRATE HORIZONTALLY THROUGH MASONRY WALLS BY MEANS OF A GALVANIZED STEEL SLEEVE NO THINNER THAN STANDARD HEIGHT (SCHEDULE 40), ASTM A-53, SOLIDLY GROUTED OR MORTARED IN PLACE. PLACE SLEEVES NO CLOSER THAN 3 DIAMETERS ON CENTER. MAXIMUM SIZE OF SLEEVE SHALL BE 12".
- REFER TO SCHEDULE SHEETS FOR LAP SPLICE SCHEDULE. DEVELOPMENT LENGTHS TO BE MINIMUM PER LATEST ACI SPECIFICATIONS, UNLESS NOTED OTHERWISE.
- ALL CELLS RECEIVING BOLTS TO BE FULLY GROUTED, UNLESS NOTED OTHERWISE. ALL ANCHOR BOLTS TO HAVE A MINIMUM EMBEDMENT OF 4 1/4", UNLESS NOTED OTHERWISE.
- MINIMUM REINFORCING (UNLESS SHOWN OTHERWISE ON PLANS) TO BE 2#5 AT CORNERS, ENDS AND EACH SIDE OF WALL OPENINGS WITH #5 VERTICAL REBARS @ 48" O.C. REINFORCING AT EACH SIDE OF OPENINGS TO EQUAL HALF OF THE TYPICAL REINFORCING THAT IS DISPLACED BY THE OPENING.
- PROVIDE A MINIMUM BOND BEAM OF 2#5 REBARS AT ALL FLOORS, STAIR LANDINGS AND TOP OF WALLS, UNLESS NOTED OTHERWISE. PROVIDE 16" DEEP BOND BEAM WITH 2#5 CONTINUOUS REBARS ABOVE OPENINGS UP TO 6'-4" WIDE, UNLESS NOTED OTHERWISE. NOTIFY ENGINEER OF RECORD FOR ANY OPENINGS WIDER THAN 6'-6".
- UNLESS NOTED OTHERWISE PROVIDE VERTICAL CONTROL JOINTS AT 20'-0" O.C. MAXIMUM FROM BUILDING CORNERS NO CLOSER THAN 16" TO OPENINGS OR BEAM BEARINGS.
- BOND BEAMS, CMU LINTELS, MASONRY BELOW BEAM BEARINGS AND OTHER STRUCTURAL ELEMENTS SHALL EXTEND UNINTERRUPTED ACROSS CONTROL JOINTS. PROVIDE RAKED JOINTS IN THESE ELEMENTS TO MATCH THE CONTROL JOINT.

COMMON NAIL SCHEDULE*

PENNYWEIGHT	SHANK DIAMETER x LENGTH
6d	0.131" x 2" LONG
8d	0.131" x 2 1/2" LONG
10d	0.148" x 3" LONG
16d	0.162" x 3 1/2" LONG
20d	0.192" x 4" LONG

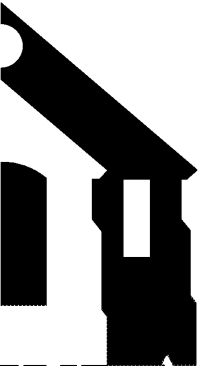
* UNLESS NOTED OTHERWISE ON STRUCTURAL DRAWINGS

UPLIFT HARDWARE SCHEDULE*
(ALL FASTENERS BY SIMPSON)

UPLIFT LOAD (PER TRUSS SHOP DWGS.)	STUDS REQUIRED AT TRUSS OR GIRDER	HARDWARE AT ROOF	HARDWARE BETWEEN FLOORS	HARDWARE AT FOUNDATION
UP TO 565 LBS.	NO STUDS REQUIRED	H25A	PER HORIZONTAL & UPLIFT LOAD SYSTEM	
UP TO 640 LBS.	1 STUD MINIMUM	LT516 OR (2) H25A**	C516 x4'-0"	(2) SIMPSON H-3***
UP TO 860 LBS.	1 STUD MINIMUM	MT516 OR (2) H25A**	C516 x4'-0"	L5THD8
UP TO 1200 LBS.	1 STUD MINIMUM	HT520 OR (2) H25A**	C516 x4'-0"	L5THD8
UP TO 1245 LBS.	2 STUDS MINIMUM	HT520	C516 x4'-0"	5THD10
UP TO 1330 LBS.	2 STUDS MINIMUM	(2) LT516	C516 x4'-0"	5THD10
UP TO 1705 LBS.	2 STUDS MINIMUM	(2) MT516	C516 x4'-0"	5THD10
UP TO 2500 LBS.	3 STUDS MINIMUM	MGT + HDU5-S02.5	(2) C514 x4'-6"	5THD14

* CONNECTORS ARE TO BE PROVIDED AT ALL ROOF TRUSS BEARING POINTS. CONTRACTOR TO REFERENCE ROOF TRUSS SUPPLIER'S SHOP DRAWINGS FOR UPLIFT REACTIONS.
** ATTACH TOP PLATE TO STUD(S) BELOW WITH (2) H25A IF TRUSSES ARE ATTACHED TO TOP PLATES WITH HURRICANE TIES.
*** NOT NECESSARY AT WALLS SHEATHED WITH OSB OR PLYWOOD.

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STRUCTURAL SCHEDULES

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