

GENERAL NOTES: (CONTINUED)

11. TYPICAL FASTENING SCHEDULE (U.N.O.) (REFERENCE STANDARD: IBC 2006 TABLE 2304.9.1)

CONNECTION	FASTENER ^{1,2}	LOCATION
1. JOIST TO SILL OR GIRDER	3-8d COMMON 3-3"x0.131" NAILS 3-3" 14 GA STAPLES	TOENAIL
2. BRIDGING TO JOIST	2-8d COMMON 2-3"x0.131" NAIL 2-3" 14 GA STAPLE	TOENAIL EA END
3. 1"x6" SUBFLOOR OR LESS TO EA JOIST	2-8d COMMON	FACE NAIL
4. WIDER THAN 1"x6" SUBFLR TO EA JOIST	3-8d COMMON	FACE NAIL
5. 2" SUBFLOOR TO JOIST OR GIRDER	2-16d COMMON	BLIND & FACE NAIL
6. SOLE PLT TO JST OR BLK	16d (3/8"x0.135") @ 16" OC 3"x0.131" NAILS @ 8" OC 3" 14 GA STAPLES @ 12" OC	TYP FACE NAIL
SOLE PLT TO JST OR BLOCKING BRACED WALL PANEL	3-16d (3/8"x0.135") @ 16" OC 4-3"x0.131" NAILS @ 16" OC 4-3" 14 GA STAPLES PER 16"	BRACED WALL PANELS
7. TOP PLT TO STUD	2-16d COMMON 3-3"x0.131" NAIL 3-3" 14 GA STAPLE	END NAIL
8. STUD TO SOLE PLT	4-8d COMMON 4-3"x0.131" NAIL 3-3" 14 GA STAPLE	TOENAIL
	2-16d COMMON 3-3"x0.131" NAIL 3-3" 14 GA STAPLE	END NAIL
9. DOUBLE STUDS	16d (3/8"x0.135") @ 24" OC 3"x0.131" NAIL @ 8" OC 3" 14 GA STAPLE @ 8" OC	FACE NAIL
10. DOUBLE TOP PLT	16d (3/8"x0.135") @ 16" OC 3"x0.131" NAIL @ 12" OC 3" 14 GA STAPLE @ 12" OC	TYP FACE NAIL
DOUBLE TOP PLT @ LAP SPLICE	8-16d COMMON 12-3"x0.131" NAIL 12-3" 14 GA STAPLE	TYP FACE NAIL
11. BLOCKING BTWN JSTS OR RAFTERS TO TOP PLT	3-8d COMMON 3-3"x0.131" NAIL 3-3" 14 GA STAPLE	TOENAIL
12. RIMJOIST TO TOP PLT	8d @ 6" OC 3-3"x0.131" NAIL @ 6" OC 3-3" 14 GA STAPLE @ 6" OC	TOENAIL
13. TOP PLTS, LAPS AND INTERSECTIONS	2-16d COMMON 3-3"x0.131" NAIL 3-3" 14 GA STAPLE	FACE NAIL
14. CONT HEADER, TWO PIECE	16d COMMON @ 16" OC	FACE NAIL ALONG EDGES
15. CEILING JSTS TO PLT	3-8d COMMON 5-3"x0.131" NAIL 5-3" 14 GA STAPLE	TOENAIL
16. CONT HEADER TO STUD	4-8d COMMON	TOENAIL
17. CEILING JST LAPS OVER PARTITIONS	GREATER OF TABLE 2308.10.4.1 3-16d COMMON 4-3"x0.131" NAIL 4-3" 14 GA STAPLE	FACE NAIL
18. CEILING JST TIE TO PARALLEL ROOF RAFTER	GREATER OF TABLE 2308.10.4.1 3-16d COMMON 4-3"x0.131" NAIL 4-3" 14 GA STAPLE	FACE NAIL
19. RAFTER TO PLT	3-8d COMMON 3-3"x0.131" NAIL 3-3" 14 GA STAPLE	TOENAIL
23. BUILT-UP CORNER STUDS	16d COMMON 24" OC 3"x0.131" NAIL @ 16" OC 3" 14 GA STAPLE @ 16" OC	FACE NAIL
24. BUILT-UP GIRDER AND BEAMS	20d COMMON @ 32" OC 3"x0.131" NAIL @ 24" OC 3" 14 GA STAPLE	FACE NAIL T & B STAGGERED ON OPPOSITE SIDES
	2-20d COMMON 3-3"x0.131" NAIL 3-3" 14 GA STAPLE	FACE NAIL @ ENDS
25. 2" PLANKS	16d COMMON @ EA BRG	FACE NAIL
26. COLLAR TIE TO RAFTER	3-10d COMMON 4-3"x0.131" NAIL 4-3" 14 GA STAPLE	FACE NAIL
27. JACK RAFTER TO HIP	3-10d COMMON 4-3"x0.131" NAIL 4-3" 14 GA STAPLE	TOENAIL
	2-16d COMMON 3-3"x0.131" NAIL 3-3" 14 GA STAPLE	FACE NAIL
28. ROOF RAFTER TO 2X RIDGE BEAM	2-16d COMMON 3-3"x0.131" NAIL 3-3" 14 GA STAPLE	TOENAIL
	2-16d COMMON 3-3"x0.131" NAIL 3-3" 14 GA STAPLE	FACE NAIL
29. JST TO BAND JST	3-16d COMMON 5-3"x0.131" NAIL 5-3" 14 GA STAPLE	FACE NAIL
30. LEDGER STRIP	3-16d COMMON 4-3"x0.131" NAIL 4-3" 14 GA STAPLE	FACE NAIL

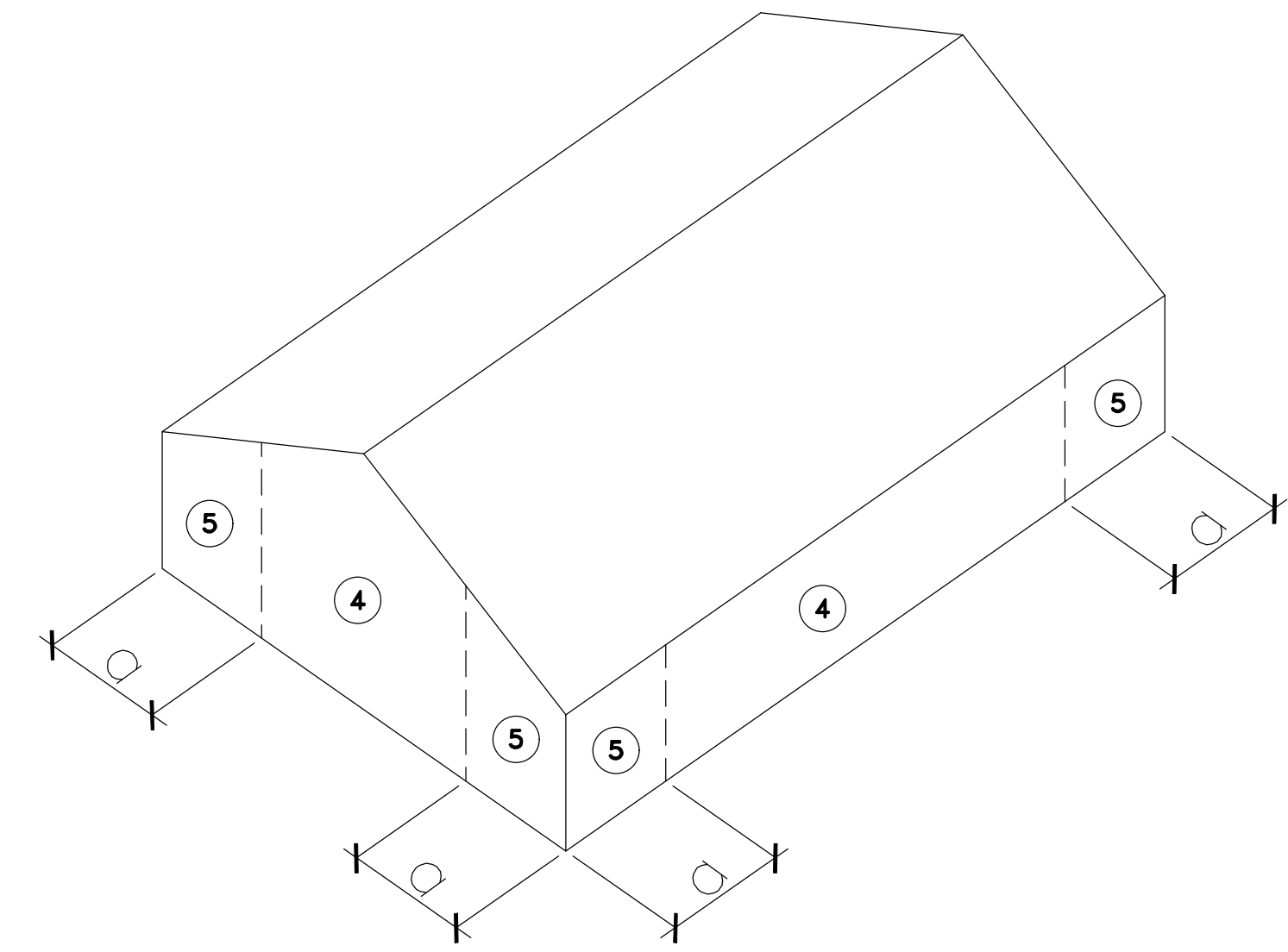
- FOOTNOTES:
 1) COMMON OR BOX NAILS ARE PERMITTED TO BE USED EXCEPT WHERE OTHERWISE STATED.
 2) STAPLES SHALL HAVE A MINIMUM CROWN WIDTH OF 7/16".
 3) COMMON NAIL SIZES ARE AS FOLLOWS:

PENNYWEIGHT	DIAMETER	LENGTH	BENDING YIELD STRENGTH
6d	0.113"	2"	100 KSI
8d	0.131"	2-1/2"	100 KSI
10d	0.148"	3"	90 KSI
12d	0.148"	3-1/4"	90 KSI
16d	0.162"	3-1/2"	90 KSI
20d	0.192"	4"	80 KSI

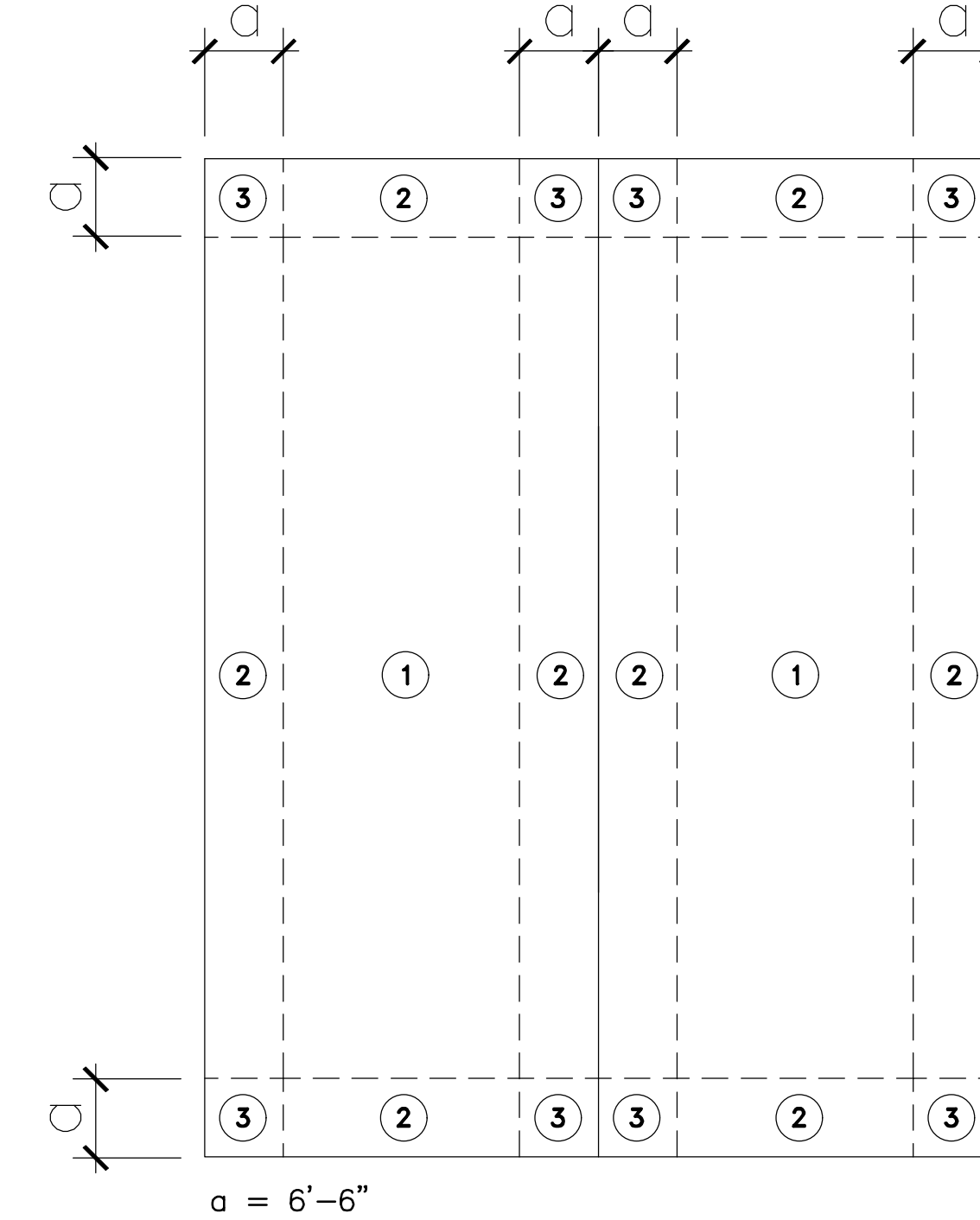
12. MASONRY - (REFERENCE STANDARDS: ACI 530-05, ACI 530.1-05)

- MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS (F'm) SHALL BE 1500 PSI.
- MATERIAL SHALL BE AS FOLLOWS: - CMU.....GRADE "N", ASTM C-90 (UNIT STRENGTH = 1900 PSI) - MORTAR.....TYPE "S" FOR WALLS NOT IN CONTACT WITH EARTH, TYPE "M" FOR WALLS IN CONTACT WITH EARTH.
- GROUT FOR CONCRETE MASONRY WALL SHALL CONFORM TO ASTM C476. A MIN F'c = 3,000 PSI GROUT SHALL BE CONSOLIDATED BY THOROUGHLY RODDING ALL CELLS.
- GROUT PLACEMENT SHALL BE LOW-LIFT. THE CONSTRUCTION JOINTS ARE CREATED BY THE LEVEL OF GROUT STOPPING 1-1/2" FROM TOP OF MASONRY AND THE STEEL REINFORCING PROJECTING ABOVE THE TOP COURSE FOR A SUFFICIENT HEIGHT TO PROVIDE A LAP AT THE SPLICE OF 48 BAR DIAMETERS. THE CONSTRUCTION JOINT SHALL BE LOCATED 3'-0" MINIMUM FROM TOP AND BOTTOM OF STRUCTURAL ELEMENTS SUCH AS SLABS, ROOFS, ETC.
- CONCRETE MASONRY WALLS SHALL BE TEMPORARILY BRACED DURING ERECTION. REMOVE TEMPORARY BRACING ONLY AFTER WALLS ARE CONNECTED TO SUPPORTING ELEMENTS.
- ALL CONCRETE BLOCK BELOW GRADE SHALL HAVE ALL CELLS FILLED WITH GROUT.
- ALL CELLS CONTAINING REINFORCEMENT SHALL BE GROUTED SOLID.
- MAXIMUM CONTROL JOINT SPACING IN MASONRY WALL = 30'-0" UNLESS NOTED. SEE ARCHITECTURAL DRAWINGS FOR LOCATION.
- UNLESS SPECIFICALLY NOTED OTHERWISE, ALL CMU WALLS SHALL BE REINFORCED AS FOLLOWS:
 - #5 @ 32" OC VERTICAL & CTR'D IN WALL THICKNESS
 - CONTINUOUS 16" DEEP BOND BEAM REINFORCEMENT W/2-#5 CONT AT ALL FLOOR LEVELS, INTERMEDIATE STAIR LANDINGS, TOP OF WALL AND SLAB ON GRADE ELEVATIONS.
 - CONTINUOUS 9 GA LADDER TYPE HORIZONTAL JOINT REINFORCEMENT AT 16" OC VERTICALLY.
- DOWEL ALL CMU MASONRY WALLS INTO GRADE BEAMS, ELEVATED CONCRETE SLABS, AND CONCRETE FOUNDATION WALLS. DOWELS SHALL HAVE STANDARD HOOKS AND MINIMUM FOOTING EMBEDMENT OF 9". DOWELS SHALL BE OF SUFFICIENT LENGTH TO PROVIDE 48 BAR DIAMETER LAP WITH VERTICAL REINFORCING. DOWELS SHALL BE OF SAME SIZE AND LOCATION AS VERTICAL WALL REINFORCING.
- SEE ARCHITECTURAL DRAWINGS FOR ALL CMU WALL OPENING SIZES AND LOCATIONS.
- ALL CMU SHALL BE PLACED IN RUNNING BOND.
- ALL MASONRY CONSTRUCTION AND INSPECTION SHALL COMPLY WITH THE ABOVE REFERENCED STANDARDS.
- ALL CONCRETE MASONRY CONSTRUCTION SHALL BE INSPECTED AND TESTED PER THE ABOVE REFERENCED STANDARDS. COSTS OF THE SERVICES OF AN INDEPENDENT TESTING LABORATORY TO PERFORM TESTING AND INSPECTION SERVICES SHALL BE BORNE BY THE OWNER.
- CMU GROUT FILL SHALL ARRIVE AT THE JOB SITE WITH A SLUMP BETWEEN 3" TO 5". PRIOR TO DEPOSITING GROUT, SUPERPLASTICIZER SHALL BE ADDED TO THE GROUT AT THE JOB SITE INCREASING THE SLUMP TO 9" TO 11".
- CMU WALL REINFORCING SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO FABRICATION. DRAWINGS SHALL SHOW ALL WALL AND PILASTER REINFORCING IN PLAN AND IN ELEVATION.
- PROVIDE CORNER BARS AT ALL BOND BEAMS TO ENSURE CONTINUITY AT CORNERS. LAP CORNER BARS 48 BAR DIAMETERS WITH BOND BEAM BARS.
- PROVIDE BAR SUPPORTS AND POSITIONERS AS REQUIRED TO ENSURE THAT FINAL IN-PLACE LOCATION OF REINFORCING IS AS INDICATED ON THE DRAWINGS.
- MASONRY SHALL BE PROTECTED FROM FREEZING DURING PLACEMENT & CURING. COLD WEATHER MASONRY PROCEDURES SHALL COMPLY W/ THE ABOVE REFERENCED STANDARDS.
- THE GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL BRACING AND SHORING FOR ALL MASONRY WALLS AS REQUIRED TO ENSURE STABILITY DURING CONSTRUCTION.
- MASONRY VENEER SHALL BE ANCHORED TO WOOD STUDS W/ ADJUSTABLE WIRE ANCHORS (WIRE SIZE W1.7) THAT WILL PERMIT A MINIMUM OF 1/2" OF VERTICAL MOVEMENT (UP & DOWN) AFTER INSTALLATION. ANCHORS SHALL BE SPACED A MAXIMUM OF 32" OC HORIZONTAL AND 12" OC VERTICAL AND WITHIN 12" OF ALL WALL OPENINGS. ANCHORS SHALL BE FASTENED W/ CORROSION RESISTANT NAILS.
- SEE DWG S9.1 FOR TYPICAL MASONRY WALL DETAILS & REINF INFO.

13. COMPONENTS & CLADDING SCHEDULE (REFERENCE STANDARD: ASCE7-05)



LOCATION	EFFECTIVE WIND AREA			
	10 SF	50 SF	100 SF	500 SF
NEGATIVE ZONE 4	-29.4	-26.5	-25.3	-22.5
NEGATIVE ZONE 5	-36.2	-30.6	-28.1	-22.5
POSITIVE ZONE 4 & 5	24.2	24.2	23.0	20.5



ROOF AREA	SURFACE PRESSURE (PSF)		
	10 SF	50 SF	100 SF
ZONE 1	-27.1	-23.9	-22.5
ZONE 2	-31.7	-28.5	-27.1
ZONE 3	-31.7	-28.5	-27.1
POSITIVE ALL ZONES	24.8	23.2	22.5
ZONE 2 OVERHANG	-45.9	-42.7	-41.3
ZONE 3 OVERHANG	-45.9	-42.7	-41.3

PROJECT

PORTLAND
HILTON GARDEN
INN ADDITION

LOCATION

PORTLAND
145 JETPORT BLVD
PORTLAND, MAINE 04102

ARCHITECT

hc
hogan campis architecture
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PERMITTING: CONSTRUCTION

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JOB NO.

0479.000

DRAWING TITLE

GENERAL NOTES

SHEET NO.

S0.2