

APPLICABLE CODES

- FLORIDA BUILDING CODE 2020, 7th EDITION.
- A.C.I. 318 FOR REINFORCED CONCRETE.
- A.C.I. 315 DETAILS AND DETAILING OF CONCRETE REINFORCEMENT OR MANUAL OF STANDARD. PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES.
- TMS 402-16 AND 602-16 FOR REINFORCED MASONRY.
- A.I.S.C. STEEL CONSTRUCTION A.S.D. FOR STRUCTURAL STEEL, NINTH EDITION.
- ANSI/AWS D1.4.
- A.S.C.E. 7-16 FOR WIND ANALYSIS AND DESIGN
- AMERICAN FOREST AND PAPER ASSOCIATION: NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTIONS
- APA. THE ENGINEERD WOOD ASSOCIATION PLYWOOD DESIGN SPECS.
- NATIONAL PEST CONTROL ASSOCIATION STANDARDS

MATERIALS (U. O. N. ON PLANS)

- ALL STRUCTURAL CONCRETE SHALL CONFORM TO ACI-301 WITH A MINIMUM COMPRESSIVE STRENGTH F'c AS FOLLOWS:
FOOTINGS: F'c= 3,000 PSI
SLAB ON GRADE: F'c= 3,000 PSI
WALLS, COLUMNS: F'c= 3,000 PSI
ELEVATED SLAB: F'c= 4,000 PSI
TIE BEAMS: F'c= 3,000 PSI
- STEEL REINFORCEMENT: SHALL CONFORM TO ASTM A615, GRADE 60, fy = 60,000 PSI. ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185.
- MASONRY: HOLLOW MASONRY UNITS OF CONCRETE, fm = 1,500 PSI, SHALL COMPLY ASTM C 55, ASTM C 73, ASTM C 90 AND ASTM C 744. GROUT SHALL REACH A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI IN 28 DAYS. ASTM C 476. MORTAR TYPE M: SHALL COMPLY WITH ASTM C 270.
- STRUCTURAL STEEL: ANGLES, W SHAPE, CHANNELS, PLATES, PIPES, AND STRUCTURAL TEES: fy = 36 KSI CONFORM TO ASTM A36. STRUCTURAL TUBING: fy = 46 KSI CONFORM TO ASTM A 500. BOLTS SHALL CONFORM TO ASTM A 325, WITH HARDENED WASHERS AND HEX NUTS. WELDING E-70XX.
- WOOD: ALL STRUCTURAL LUMBER SHALL BE SOUTHERN PINE No. 2 OR BETTER. fb = 1,200 PSI (MINIMUM), AND YOUNG'S MODULUS E = 1,500,000 PSI.

DESIGN CRITERIA AND LOADS

- WIND: ROOF WIND PRESSURES PER COMPONENTS AND CLADDING:

ULTIMATE		
ZONES	WIND PRESS (PSF)	
ROOF	1	-37.07
ROOF	2e, 2r & 3	-59.26
OVERHANG	2e, 2r	-92.84
OVERHANG	3	-107.24

MEAN ROOF HEIGHT: 23'-4"
BASIC WIND VELOCITY: 175 MPH
OCCUPANCY CATEGORY: II
EXPOSURE: C
IMPORTANCE FACTOR: 1.0
ENCLOSED BUILDING INTERNAL PRESSURE COEFFICIENT: +/-0.18.

- ROOF DESIGN LOADS
TOTAL DEAD LOADS: 25 PSF
LIVE LOADS: 30 PSF
200 LBS CONCENTRATED AT CENTER PANEL POINT.

- ATTIC DESIGN LOADS
TOTAL DEAD LOADS: 10 PSF
LIVE LOADS: 20 PSF

- FOR OTHER LOADS SEE PLANS.

FOUNDATIONS

- PRESUMPTIVE SOIL CONDITIONS AT THIS SITE ARE SAND AND ROCK WITH A MINIMUM BEARING CAPACITY OF 2000 PSF. SHOULD OTHER CONDITIONS OR MATERIALS BE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED PRIOR TO PROCEEDING WITH WORK. THE ARCHITECT OR ENGINEER SHALL SUPPLY A LETTER ATTESTING THAT THE SITE HAS BEEN OBSERVED AND THE FOUNDATION CONDITIONS ARE SIMILAR TO THOSE UPON WHICH THE DESIGN IS BASED AT TIME OF FOUNDATION INSPECTION.
- THE GEOTECHNICAL ENGINEER RESPONSIBLE FOR THE GROUND APPLICATIONS SHALL ISSUE A PROFESSIONAL CERTIFICATION FOR EACH INDIVIDUAL BUILDING OF THIS PROJECT, ATTESTING TO THE SATISFACTORY FOUNDATION SOIL CONDITIONS AND THE ACHIEVEMENT OF THE DESIGN BEARING VALUE BEFORE ANY CONSTRUCTION OPERATION IS ALLOWED TO START FOR ANY SUCH BUILDING.
- PRIOR TO CONSTRUCTION PROVIDE TERMITE PROTECTION TREATMENT TO SOIL. A CERTIFICATE OF COMPLIANCE SHALL BE ISSUED TO THE BUILDING DEPARTMENT BY THE LICENSED PEST CONTROL COMPANY THAT CONTAINS THE FOLLOWING STATEMENT: " THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS ESTABLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES."
- THE AREA UNDER FOUNDATIONS AND SLAB ON GROUND SHALL HAVE ALL VEGETATION, STUMPS, ROOTS, AND FOREIGN MATERIALS REMOVED PRIOR TO THEIR CONSTRUCTION.
- COMPACT INTERIOR FILL TO 95% OF MODIFIED PROCTOR MAXIMUM DRY DENSITY AS PER ASTM D-1987 AT CONSTRUCTION DEBRIS, AND LARGE ROCKS. OPTIMUM MOISTURE CONTENT AND COMPACTED AND TESTED IN LIFTS NOT TO EXCEED 12 IN.
- EXCAVATIONS FOR FOUNDATIONS SHALL BE BACKFILLED WITH SOIL, WHICH IS FREE OF ORGANIC MATERIAL.

REINFORCED CONCRETE

- CLEAR COVER FOR REINFORCEMENT SHALL BE:
A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"
B. CONCRETE EXPOSED TO EARTH OR WEATHER: NO. 6 THRU NO. 18 BARS 2" , NO. 5 AND SMALLER 1-1/2"
C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT w/GROUND: SLABS, WALLS, JOISTS: NO. 11 BAR AND SMALLER 3/4"
D. BEAMS, COLUMNS: PRIMARY REINFORCEMENTS,TIES,STIRRUPS, SPIRALS 1-1/2"
- AGGREGATES SHALL BE CLEAN AND GRADED MAXIMUM SIZES 3/4". CONCRETE ASTM C-33 CONFORMS TO ASTM C-94.
- SLUMP SHALL BE A MINIMUM OF 3" AND MAXIMUM OF 5" CONCRETE DURING AND IMMEDIATELY AFTER DEPOSITING SHALL BY THOROUGHLY COMPACTED BY MEANS OF MECHANICAL VIBRATION.
- 5 CYLINDERS SHALL BE TAKEN FROM EACH POUR OF 50 CU. YARDS OF CONCRETE OR FRACTION (AS PER ASTM C-94) THEREOF AND TESTED AT THE FOLLOWING INTERVALS: 1 AT 3 DAYS, 1 AT 7 DAYS, 3 AT 28 DAYS.
- REINFORCEMENT STEEL SHALL BE FREE OF RUST, FLAKES, MILL SCALE, PAINT, OIL, GREASE, OR OTHER CONTAMINANTS THAT WILL REDUCE BOND. ALL REINFORCING SHALL BE ACCURATELY LOCATED AND FIRMLY HELD IN PLACE BEFORE AND DURING THE PLACEMENT OF CONCRETE BY MEANS OF WIRE SUPPORTS.
- PROVIDE 2#5 X 48" DIAGONALLY AT CORNERS OF ALL OPENINGS WIDER THAN 15".
- PROVIDE AT ALL CORNERS #5 BARS 60" LENGTH BENT @ FOOTINGS
- LAP CONTINUOUS REINFORCING A MINIMUM OF 30" IN BEAMS, 36 BAR DIAMETERS IN SLABS.
- HOOK ALL DISCONTINUOUS TOP REINFORCING.
- TIE BEAMS SHALL BE CONTINUOUS REINFORCEMENT, PROVIDED BY LAPPING SPLICES NOT LESS THAN 30". CONTINUITY SHALL BE PROVIDED AT ALL CORNERS BY BENDING 2 BARS FROM EACH DIRECTION AROUND THE CORNER 30" OR BY ADDING 2# 5 BENT 30" EACH LEG.
- CONTINUITY AT COLUMNS SHALL BE PROVIDED BY CONTINUING HORIZONTAL REBARS through COLUMNS OR BY BENDING HORIZONTAL REINF. INTO COLUMNS A DISTANCE OF 30".
- EXTEND BOTTOM BARS 8" PAST ALL OPENINGS GREATER THAN 3'-0" ON BOTH SIDES.
- ALL STRUCTURAL PRECAST UNITS AND THEIR ATTACHMENTS TO THE MAIN STRUCTURE SHALL BE INSPECTED AFTER ERECTION, BUT BEFORE CONCEALMENT. SUCH INSPECTIONS SHALL BE PERFORMED BY FLORIDA REGISTERED ARCHITECT OR PROFESSIONAL ENGINEER.

STRUCTURAL STEEL

- ANCHOR BOLTS SHALL CONFORM TO EITHER ASTM A307 OR ASTM A36
- STEEL FRAMING BOLTS SHALL CONFORM TO ASTM A325, WITH HARDENED WASHERS AND HEX NUTS.
- WELDING IN THE SHOP OR FIELD MAY BE DONE ONLY BY AWS CERTIFIED WELDERS.
- STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST A.I.S.C. STEEL CONSTRUCTION MANUAL AND SHALL CONFORM WITH THE LATEST A.S.T.M. SPECIFICATIONS. BOLTS SHALL CONFORM TO A.S.T.M. A325, ANCHOR BOLTS SHALL CONFORM TO A.S.T.M. A307.
- A FLORIDA REGISTERED ARCHITECT OR PROFESSIONAL ENGINEER SHALL INSPECT THE WELDING AND HIGH STRENGTH BOLTING OF STRUCTURAL STEEL FRAMING AND WELDING, BOLTING AND FASTENING OF LIGHTWEIGHT MATERIAL SYSTEMS AND METAL SIDINGS OF BUILDINGS WITH AREAS EXCEEDING 1000 SQ FT.
- ALL REINF. STEEL TO BE WELDED SHALL CONFORM TO A.S.T.M. A 706 AND MEET AWS D1.4-79 AND INCLUDE RECOMMENDED CARBON EQUIVALENT (C.E.) TO BE LIMITED TO 0.45% FOR #7 OR LARGER BARS AND 0.55% FOR #6 AND SMALLER BARS.

WOOD

- WOOD IN CONTACT WITH CONCRETE OR MASONRY, AND AT OTHER LOCATIONS AS SHOWN ON STRUCTURAL DRAWINGS, SHALL BE PROTECTED WITH 30 # FELT OR PRESSURE TREATED IN ACCORDANCE WITH AITC-109. MEMBER SIZE SHOWN ARE NORMAL UNLESS NOTED OTHERWISE.
- TRUSS MANUFACTURER TO SUBMIT 4 SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS FOR APPROVAL INDICATING ALL REACTIONS AND RECOMMENDED TRUSS ANCHORING SYSTEMS TO THE SUPPORTING STRUCTURE.
- COORDINATE TRUSS LAYOUT WITH ARCHITECTURAL DRAWINGS, IF CONFLICT IS FOUND NOTIFY ARCHITECT.
- BEAMS, AND GIRDERS SHALL BE SECURED WITH APPROVED METAL TIES, CLIPS AND ANCHORS TO BOND BEAMS OR BEARING WALLS.
- ALL METAL CONNECTORS USED IN LOCATIONS EXPOSED TO WEATHER SHALL BE GALVANIZED.
- NAILS SHALL PENETRATE THE SECOND MEMBER A DISTANCE EQUAL TO THE THICKNESS OF THE MEMBER BEING NAILED THERE TO.
- THERE SHALL BE NOT LESS THAN 2 NAILS IN ANY CONNECTION.
- ROOF DIAPHRAGM SHALL COMPLY WITH THE DESIGN RECOMMENDATIONS OF "A.P.A. DESIGN / CONSTRUCTION GUIDE - DIAPHRAGMS" AND THE LOCAL BUILDING CODE.
- PLYWOOD ROOF DECKING SHALL BE 19/32" MINIMUM THICKNESS, AND SHALL BE CONTINUOUS OVER TWO OR MORE SPANS, WITH FACE GRAIN PERPENDICULAR TO THE SUPPORTS .
- CONNECT PLYWOOD DIAPHRAGM TO STRUCTURE WITH 10d GALVANIZED NAILS, SPACED AT 6"o.c. MAX. AT EDGES AND AT 6"o.c. ALONG INTERMEDIATE SUPPORTS. GABLE ENDS NAIL SPACING SHALL BE 10d NAILS @ 4"o.c. MAX.
- INSPECTIONS: SHALL COMPLY WITH THE LOCAL BUILDING CODE REQUIREMENTS FOR INSPECTIONS (BY THE MUNICIPALITY, ARCHITECT OR ENGINEER) OF SPECIFIED COMPONENTS OF THE ROOF STRUCTURE REQUIRING INSPECTIONS.

- REFER TO TRUSS ENGINEERING PLANS FOR EXACT TRUSS LOCATIONS. ALL GIRDER TRUSSES SHALL AT A MINIMUM HAVE 2 # 5 FILLED CELL (U.N.O.) DIRECTLY BENEATH THE GIRDER TRUSS SHOULD THERE BE A DISCREPANCY BETWEEN THE TRUSS ENGINEERING DRAWING AND ARCHITECTURAL DRAWING THE TRUSS ENGINEERING DRAWING GOVERNS AND NOTIFY ARCHITECT IMMEDIATELY. IT IS YOUR RESPONSIBILITY TO NOTIFY THE ARCHITECT IN WRITING AND GRAPHIC FORM ANY CHANGES AND MODIFICATIONS FROM ARCHITECTURAL LAYOUT. FAILURE TO DO SO SHALL VOID OUR APPROVAL OF THE TRUSS ENGINEERING PACKAGE. TRUSS MANUFACTURER SHALL ALSO LABEL ALL LOADS AND UPLIFTS ON PRELIMINARY DRAWINGS SENT TO OUR OFFICE.
- ALL TRUSS TO TRUSS CONNECTIONS SHALL BE THE RESPONSIBILITY OF THE SPECIALTY ENGINEER BUT AT A MIN. ALL CONNECTIONS SHALL BE CAPABLE OF WITHSTANDING A UPLIFT LOAD OF 750 LB.
- TRUSS BRACING NOTES: CROSS BRACING SHOULD BE LOCATED AT NO MORE THAN 8'-0"o.c. AT GABLE ENDS OF BUILDING (AS INDICATED ON PLANS). 1"x4" BOTTOM CHORD LATERAL BRACING SHOULD BE LOCATED AT NO MORE THAN 6'-0"o.c. BOTTOM CHORD LATERAL BRACING SHOULD BE CLOSE TO THE BOTTOM CHORD PANEL POINTS WHEREVER REQUIRED BRACE SPACING PERMITS (AS INDICATED ON PLANS). CONTINUITY BOTTOM CHORD LATERAL BRACING SHOULD BE CONTINUOUS FROM ONE END OF THE BUILDING TO THE OTHER AND SHOULD OVERLAP AT LEAST ONE TRUSS SPACE FOR CONTINUITY. USE MIN. 1"x4" GRADE MARKED LUMBER, NAILED WITH A MIN. TWO 16d NAILS, IN ACCORDANCE WITH NDS CRITERIA, AT EACH CONNECTION INCLUDING INTERMEDIATE TRUSSES.
- MEMBERS MOISTURE CONTENT SHALL BE 19% OR LESS.
- ALL BOITS AND PENETRATIONS THROUGH THE TOP PLATES OF ALL LOAD BEARING AND NON-LOAD BEARING PARTITIONS ARE TO BE FIREBLOCKED.
- FOR TRUSSES HAVING AN OVERALL LENGTH OF THE BOTTOM CHORD IN EXCESS OF 35 FEET OR 6 FEET OVERALL HEIGHT ERECTION SHALL BE SUPERVISED BY EITHER A REGISTERED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT RETAINED BY THE CONTRACTOR. A RETAINER LETTER FROM THE REGISTERED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT SHALL BE SUBMITTED ALONG WITH THE SHOP DRAWINGS AS PART OF THE PERMIT DOCUMENT.

REINFORCED MASONRY

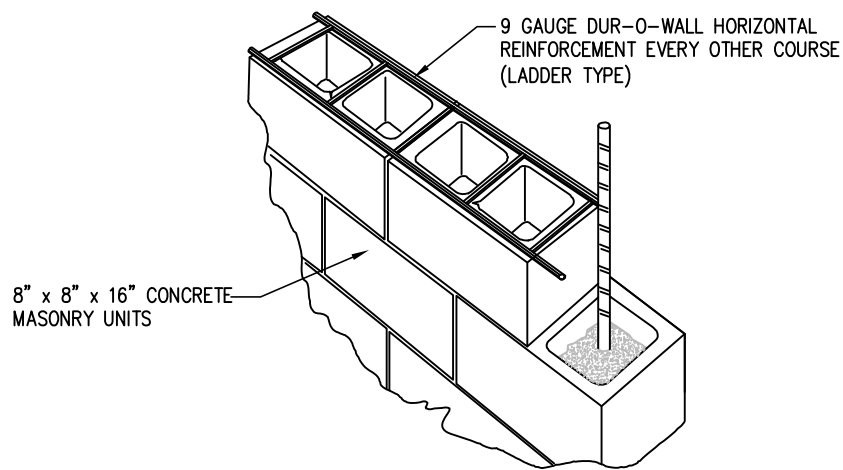
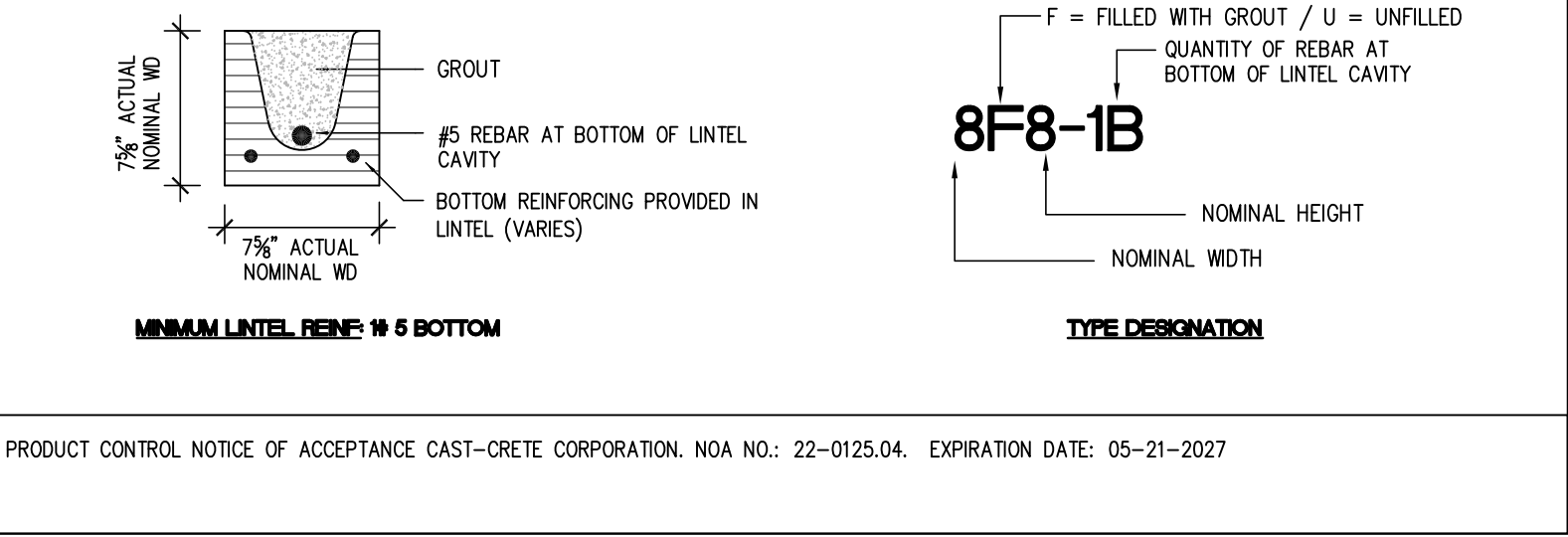
- BLOCK MASONRY WALLS SHALL HAVE HORIZONTAL REINFORCEMENT * DUR-O-WALL LADDER TYPE SPACED 16" ON CENTER. MASONRY UNITS SHALL BE 2 CELL HOLLOW UNITS CONFORMING TO A.S.T.M. C-90 WITH COMPRESSIVE STRENGTH OF 1900 P.S.I. ON THE NET CROSS-SECTIONAL AREA AND SHALL BE LAID IN RUNNING BOND.
- ANCHORS IN MASONRY INFILL PANELS AS REQUIRED.
- WHERE ANCHOR BOLTS ARE SET IN MASONRY WALL, FILL BLOCK CELLS WITH GROUT FOR BOLTED COURSE ADD ONE GROUTED CELL ABOVE AND TWO GROUTED CELLS BELOW ANCHOR ELEVATION.
- GROUT USED IN THE WORK SHALL CONFORM TO ASTM C476 WITH A SLUMP MIX OF 8" TO 11", PROVIDE CLEAN OUT AND INSPECTION HOLES AT FILLED CELLS AT BOTTOM COURSE.
- POUR GROUT IN LIFTS NOT TO EXCEED 4 FT.
- GROUT USED IN THE WORK SHALL OBTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI IN 28 DAYS. GROUT SLUMP REQUIRED 8" TO 11" PROVIDE CLEAN OUT HOLES AT TOP, MIDDLE .
- PROVIDE 8" X 8" PRECAST CONCRETE LINTELS OVER ALL DOORS AND WINDOW OPENINGS, UNLESS OTHERWISE NOTED ON THE PLAN.
- HOOK TOP OF VERTICAL BARS IN ALL TERMINATING COLUMNS 2" BELOW TOP OF SLAB AND 3" BELOW TOP OF BOND BEAM.
- BOND BEAMS SHALL BE CONTINUOUS REINFORCEMENT, PROVIDED BY LAPPING SPLICES NOT LESS THAN 30". CONTINUITY SHALL BE PROVIDED AT ALL CORNERS BY BENDING 2 BARS FROM EACH DIRECTION AROUND THE CORNER 30" OR BY ADDING 2#5 BENT 30" EACH LEG.
- A FLORIDA REGISTERED ARCHITECT OR PROFESSIONAL ENGINEER SHALL FURNISH INSPECTION OF ALL REINFORCED MASONRY STRUCTURES.
- MASONRY BLOCK SUPPLIER SHALL PROVIDE CERTIFICATION THAT BLOCK SUPPLIED MEETS DESIGN REQUIREMENTS.

CONTRACTORS

- CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ADJACENT STRUCTURES, STREETS, AND SIDEWALKS DURING EXCAVATION AND CONSTRUCTION. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD. SHOULD A DISCREPANCY BE FOUND STOP WORK IMMEDIATELY AND NOTIFY ARCHITECT. WORK CANNOT PROCEED UNTIL APPROVAL PRIOR TO THE FABRICATION OR ERECTION OF ALL REINFORCING AND STRUCTURAL STEEL COMPONENTS ARCHITECT GIVES HIS/HERS WRITTEN AUTHORIZATION TO DO SO.
- CONTRACTOR SHALL SUBMIT 1 BLUELINE AND 1 REPRODUCIBLE SET OF SHOP DRAWINGS TO THE ARCHITECT FOR
- CONTRACTOR SHALL TO LOCATE ALL EXISTING UTILITIES PRIOR TO EXCAVATION, AND REROUTE THE UTILITY LINES TO ACCOMMODATE NEW CONSTRUCTION.
- CONTRACTOR SHALL WORK THE STRUCTURAL PLANS IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS.
- EXISTING STRUCTURE: CONTRACTOR SHALL REVIEW THE ORIGINAL CONSTRUCTION DRAWINGS OF THE EXISTING BUILDING PRIOR TO BIDDING AND DURING CONSTRUCTION TO VERIFY THE EXISTING MEMBERS AFFECTED BY THE NEW CONSTRUCTION.
- THE USE OF SCALE TO OBTAIN DIMENSIONS NOT SHOWN ON THESE PLANS IS STRICTLY FORBIDDEN. THE ENGINEER WILL NO BE RESPONSIBLE FOR ERRORS RESULTING FROM SUCH ACTION.
- IN CASE OF DISCREPANCIES BETWEEN THE ARCHITECTURAL AND STRUCTURAL PLANS, THE ARCHITECTURAL PLANS SHALL GOVERN UNLESS STRENGTH IS AFFECTED.
- ALL SPECIFIED MATERIALS AND CONNECTORS CAN BE SUBSTITUTED WITH EQUAL OR BETTER, WITH THE APPROVAL OF ENGINEER OF RECORD.
- CONTRACTOR SHALL VERIFY THAT STRUCTURE IS CONSTRUCTED WITHIN THE CONFINES OF BUILDING PAD.
- PROVIDE SHOP DRAWINGS AND CALCS FOR PRE-ENGINEERED WOOD FLOOR AND ROOF SYSTEM FOR E.O.R. REVIEW AND APPROVAL

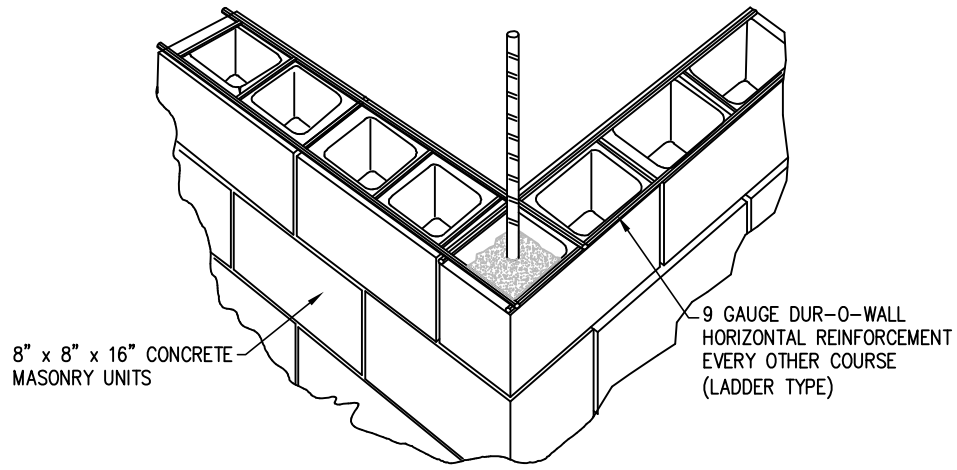
8" PRECAST U-LINTELS SAFE UPLIFT LOADS (LBS/FT)										LATERAL
OVERALL LINTEL LENGTH	TYPE OF LINTEL	8F8-1T	8F12-1T	8F16-1T	8F20-1T	8F24-1T	8F28-1T	8F32-1T	8U8	8F8 RCMU
2'-8" TO 3'-6"	PRECAST	1569	2524	3547	4569	5591	6613	7636	1025	1024 1830
3'-7" TO 4'-0"	PRECAST	1363	2192	3079	3966	4853	5740	6627	765	763 1365
4'-1" TO 4'-6"	PRECAST	1207	1940	2724	3508	4292	5077	5861	592	591 1097
4'-7" TO 5'-4"	PRECAST	1016	1632	2290	2949	3607	4265	4924	411	411 734
5'-5" TO 5'-10"	PRECAST	909	1492	2093	2694	3295	3897	4498	340	339 607
5'-11" TO 6'-6"	PRECAST	835	1340	1880	2419	2959	3498	4038	507	721 483
6'-7" TO 7'-6"	PRECAST	727	1021	1634	2102	2571	3039	3508	424	534 357
7'-7" TO 9'-4"	PRECAST	591	680	1133	1471	1811	2152	2494	326	512 227
9'-5" TO 10'-6"	PRECAST	530	552	914	1185	1458	1732	2007	284	401 178
10'-7" TO 11'-4"	PRECAST	474	485	798	1034	1272	1510	1749	260	452 152
11'-5" TO 12'-0"	PRECAST	470	441	723	936	1151	1366	1582	244	402 135
12'-1" TO 13'-4"	PRECAST	418	373	606	783	962	1141	1321	217	324 109
13'-5" TO 14'-0"	PRECAST	384	346	559	723	887	1052	1218	205	293 98
14'-1" TO 14'-8"	PRESTRESSED	239	323	519	671	823	976	1129	NR	284 89
14'-9" TO 15'-4"	PRESTRESSED	224	302	485	626	767	909	1052	NR	259 82
15'-5" TO 17'-4"	PRESTRESSED	187	255	404	520	637	754	872	NR	194 63

8" PRECAST U-LINTELS SAFE GRAVITY LOADS (LBS/FT)									
OVERALL LINTEL LENGTH	TYPE OF LINTEL	8U8	8F8-1B	8F12-1B	8F16-1B	8F20-1B	8F24-1B	8F28-1B	8F32-1B
2'-8" TO 3'-6"	PRECAST	2231	3069	4605	6113	7547	8974	10394	11809
3'-7" TO 4'-0"	PRECAST	1966	2693	4605	6113	7547	8974	10394	11809
4'-1" TO 4'-6"	PRECAST	1599	2189	4375	6113	7547	8672	10294	11809
4'-7" TO 5'-4"	PRECAST	1217	1663	3090	5365	7547	7342	8733	10127
5'-5" TO 5'-10"	PRECAST	1062	1451	2622	4360	7168	6036	7181	8328
5'-11" TO 6'-6"	PRECAST	908	1238	2177	3480	5361	8360	10394	8825
6'-7" TO 7'-6"	PRECAST	743	1011	1729	2861	3908	5681	8647	6472
7'-7" TO 9'-4"	PRECAST	554	752	1245	1843	2564	3486	4705	6390
9'-5" TO 10'-6"	PRECAST	475	643	1052	1533	2093	2781	3643	4754
10'-7" TO 11'-4"	PRECAST	362	582	945	1366	1846	2423	3127	4006
11'-5" TO 12'-0"	PRECAST	337	540	873	1254	1684	2193	2805	3552
12'-1" TO 13'-4"	PRECAST	296	471	755	1075	1428	1838	2316	2883
13'-5" TO 14'-0"	PRECAST	279	442	706	1002	1326	1697	2127	2630
14'-1" TO 14'-8"	PRESTRESSED	NR	458	783	1370	1902	2245	2517	2712
14'-9" TO 15'-4"	PRESTRESSED	NR	412	710	1250	1733	2058	2320	2513
15'-5" TO 17'-4"	PRESTRESSED	NR	300	548	950	1326	1609	1849	2047



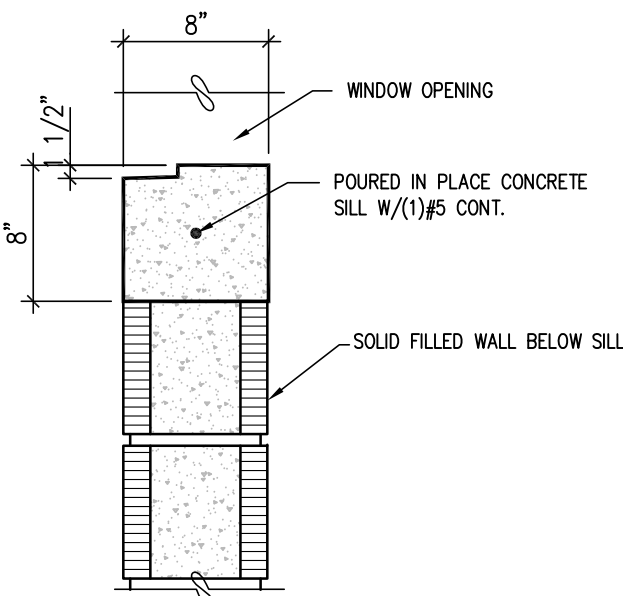
1 TYPICAL DUR-O-WALL DETAIL

SCALE: N.T.S.



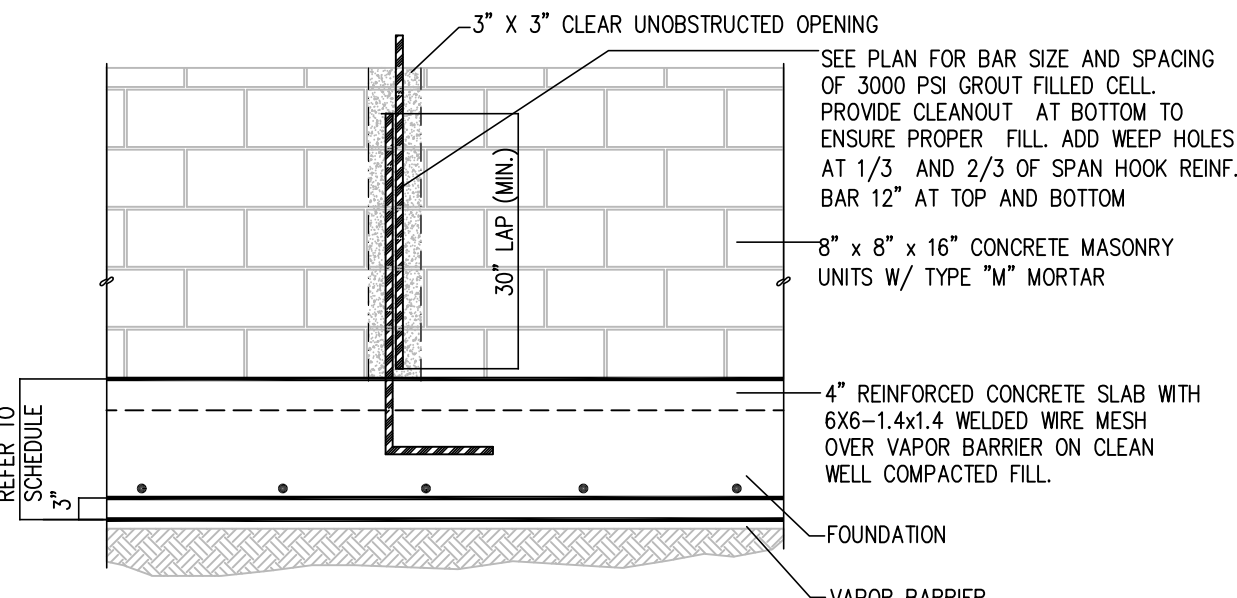
2 TYPICAL DUR-O-WALL • CORNER DETAIL

SCALE: N.T.S.



3 WINDOW SILL DETAIL

SCALE: N.T.S.



4 TYP. GROUT FILLED MASONRY CELL DETAIL

SCALE: N.T.S.

REVISIONS:

2-STORY RESIDENCE

7725 SW 114 ST

BY: HERITAGE HOMES
PINECREST, FL

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NSI

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DATE: 04-11-2023

DRAWN BY: C.A.

CHECKED BY: C.N.

SCALE: 3/16"=1'-0"

SHEET

S-9

9 OF 9 SHEETS

PROCESS #