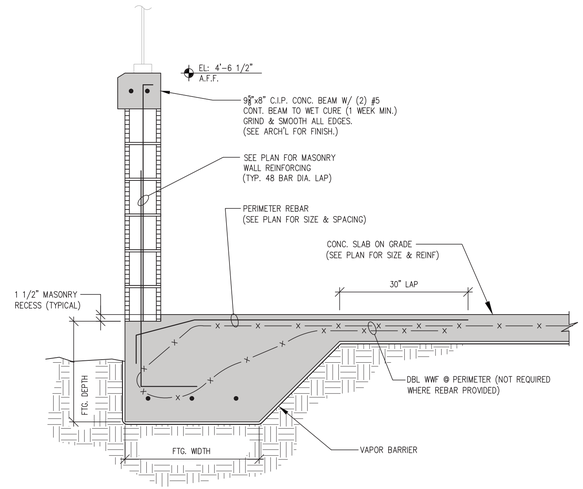
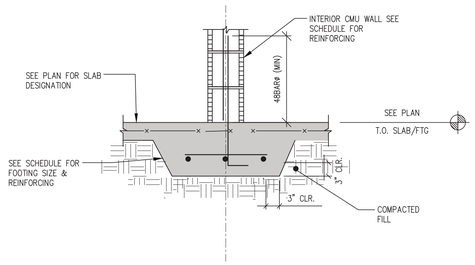


SECTION 1 / 3/4"=1'-0" / S-4



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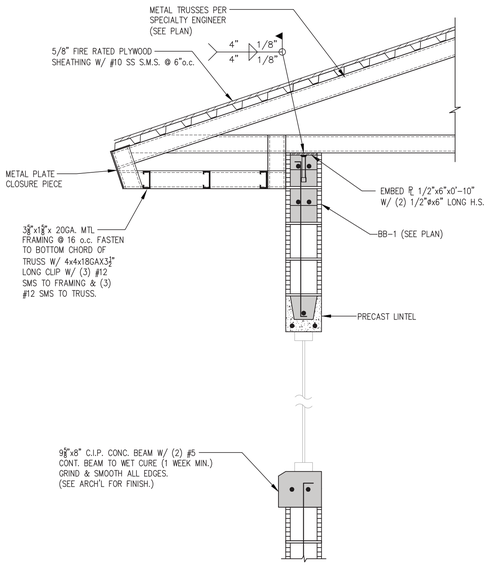

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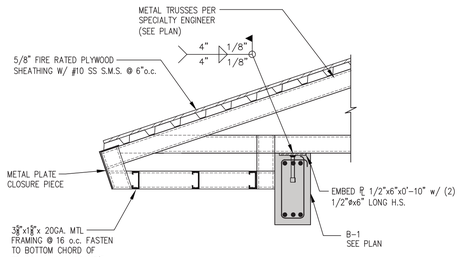
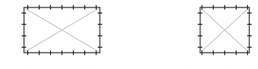


SECTION 4 / 3/4"=1'-0" / S-4

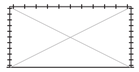


(WINDOW & DOOR OPENINGS 7'-0" WIDE AND LARGER)

2" X P.T. BUCK W/ 1/4"ø TAPCON W/ 1 1/2" EMBEDMENT AT 8"o.c., START 3" FROM CORNERS.

(WINDOW & DOOR OPENINGS 6'-6" WIDE AND SMALLER)

2" X P.T. BUCK W/ 1/4"ø TAPCON W/ 1 1/2" EMBEDMENT AT 8"o.c., START 3" FROM CORNERS.



(16'-0" GARAGE DOOR OPENING)

2" X P.T. BUCK W/ 1/4"ø TAPCON W/ 1 1/2" EMBEDMENT AT 8"o.c., START 3" FROM CORNERS.

(8'-0" GARAGE DOOR OPENING)

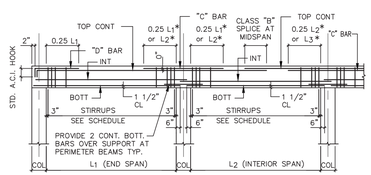
2" X P.T. BUCK W/ 1/4"ø TAPCON W/ 1 1/2" EMBEDMENT AT 8"o.c., START 3" FROM CORNERS.

BUCKS TO BE FASTENED HORIZONTALLY AND VERTICALLY TO CONCRETE BEAMS AND COLUMNS OR CONCRETE FILLED MASONRY.

G.C. TO COORDINATE OPENING DIMENSIONS.

TYPICAL WOOD BUCK TO CONCRETE CONNECTION DETAIL

1. EXTERIOR GLAZED OPENINGS IN BUILDINGS SHALL COMPLY WITH FLORIDA BUILDING CODE 5th EDITION (2014) BY EITHER BEING DESIGNED FOR IMPACT RESISTANCE OR BEING PROTECTED BY IMPACT PROTECTIVE SYSTEMS.



"C" BAR : TOP BAR AT INTERIOR SUPPORT (IN ADDITION TO TOP CONT BARS) PLACE IN SAME LAYER AS TOP CONT BARS (U.O.N.). LOCATE AT RIGHT SUPPORT OF SPAN INDICATED IN SCHEDULE.

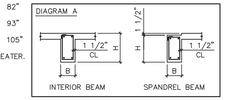
"D" BAR : TOP BAR AT EXTERIOR SUPPORT (IN ADDITION TO TOP CONT BARS) PLACE IN SAME LAYER AS TOP CONT BARS (U.O.N.).

"INT" BARS : INTERMEDIATE BARS LOCATED AT A SPACING EQUAL TO THE WIDTH OF THE BEAM BUT NOT GREATER THAN 12" ABOVE BOTT BARS. IF MORE THAN ONE PAIR, PLACE IN LAYERS OF TWO.

CLASS "B" TENSION SPLICE (3000 PSI) *

#4	38"	#7	82"
#5	47"	#8	93"
#6	56"	#9	105"

WHICHEVER IS GREATER.



NOTES :

WHEN ADJACENT BEAMS OR TIE BEAMS HAVE TOP CONT BARS OF DIFFERENT SIZE, THE TRANSITION SHOULD BE MADE AT MIDSPAN OF THE BEAM WITH SMALLER SCHEDULED BARS. USE LAP SPLICE LENGTH OF SMALLER SIZE BAR.

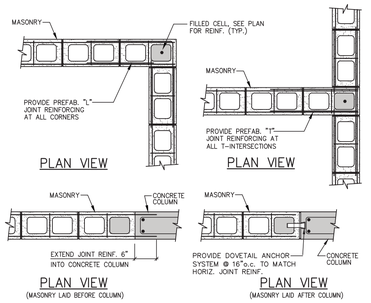
(2L) – INDICATES BARS PLACE IN TWO LAYERS. WHERE BARS ARE PLACED IN TWO LAYERS, THE SECOND LAYER BARS MUST BE PLACED DIRECTLY UNDER BARS IN THE FIRST LAYER (IF TOP BAR) OR DIRECTLY OVER BAR IN THE FIRST LAYER (IF BOTT BAR). PROVIDE 1" CLEAR DISTANCE BETWEEN LAYERS OR ONE BAR DIAMETER, WHICHEVER IS THE GREATER DISTANCE.

SCHEDULED BEAM SIZES : [SEE DIAGRAM A]

"B" INDICATES BEAM WIDTH DIMENSION. WHEN BEAM IS OVER A BLOCK WALL, USE ACTUAL BLOCK WIDTH (7 5/8" or 11 5/8").
"H" INDICATES BEAM DEPTH DIMENSION. LESS 1 1/2" FOR RECESS FOR BLOCK WALL DEDUCTED WHERE APPLICABLE, OR MINIMUM DEPTH IN A VARIABLE DEPTH BEAM. COORDINATE BEAM CONFIGURATION WITH ARCHITECTURAL DRAWINGS.

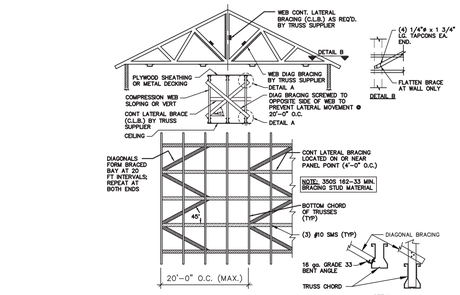
TYPICAL BEAM BAR PLACEMENT DIAGRAM

N.T.S.



TYPICAL MASONRY DETAILS

N.T.S.



METAL TRUSSES SHALL BE STORED, HANDLED AND BRACED IN ACCORDANCE WITH THE L.G.S.E.A.'s "FIELD INSTALLATION GUIDE FOR COLD-FORMED STEEL ROOF TRUSSES"

WEB BRACING:

A. THE TRUSS FABRICATOR SHALL PROVIDE AND LOCATE CONTINUOUS LATERAL BRACING (C.L.B.) FOR EACH TRUSS WEB MEMBER AS REQUIRED. ALTERNATE SCAB, "L" AND "T" WEB BRACING MAY BE SUBSTITUTED FOR C.L.B.

B. LATERAL BRACING SHALL BE RESTRAINED BY DIAGONAL BRACING (2" NOMINAL WIDE). THIS BRACING IS TO BE CONTINUOUS.

C. A MINIMUM OF TWO ROWS OF DIAGONAL BRACING IS REQUIRED, ONE AT EACH VERTICAL WEB MEMBER CLOSEST TO BEARING LOCATIONS.

BOTTOM CHORD BRACING:

A. THE BOTTOM CHORDS SHALL BE BRACED BY CONTINUOUS LATERAL BRACING SPACED AT 4'-0" O.C., SCREWED TO BOTTOM OF THE BOTTOM CHORD. DIAGONALS PLACED AT 45° TO THE LATERAL BRACES SHALL BE LOCATED AT EACH END AND AT 20 FOOT INTERVALS. THE MINIMUM BOTTOM CHORD C.L.B. AND DIAGONAL BRACING SHALL BE 350S 162-33, TYPICAL.

B. WHERE THE BOTTOM CHORDS ARE CONTINUOSLY BRACED WITH A RIGID CEILING, C.L.B. SHALL BE SPACED AT 8'-0" O.C. WITH DIAGONAL BRACING.

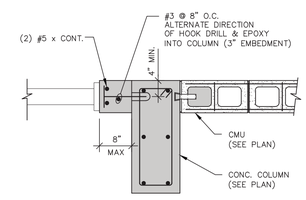
TOP CHORD BRACING:

A. IF PLYWOOD OR METAL DECKING IS APPLIED DIRECTLY TO TOP CHORD, PROPERLY LAPPED AND SCREWED TO DEVELOP DIAPHRAGHM ACTION, BRACING IS NOT REQUIRED.

B. IF PURLINS ARE USED, DIAGONAL TOP CHORD BRACING IS REQUIRED AT EACH END. IF BUILDING EXCEEDS 60 FEET IN LENGTH, DIAGONAL BRACING SHOULD BE REPEATED AT 20 FOOT INTERVALS.

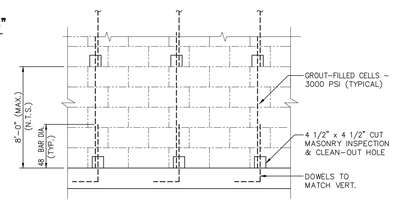
METAL TRUSS BRACING DETAIL

N.T.S.

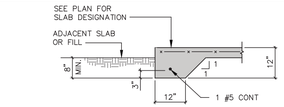


TYPICAL JAMB DETAIL ≤ 8"

N.T.S.

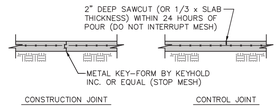


TYPICAL MASONRY FILLED CELL DETAIL



THICKENED EDGE (T.E.)

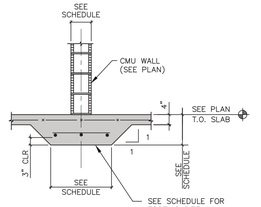
N.T.S.



TYPICAL SLAB-ON-GRADE

NOTE: CONTROL JOINTS/CONSTRUCTION JOINTS SHALL CREATE PANELS OF 150 SQ. FEET (MAXIMUM)

N.T.S.

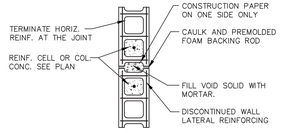


DENOTED " T.S." (THICKENED SLAB) ON PLAN

TYPICAL INTERIOR MONOLITHIC WALL FOOTING

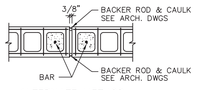
(NON-BEARING)

N.T.S.



NOTES :

1.– SAW CUT BOND BEAMS, TIE BEAMS 1" DEEP TO CONTINUE WALL CONTROL JOINT TO TOP OF WALL.
2.– CONTROL JOINT SPACING IS NOT TO EXCEED 25'-0"o.c. IN WALLS WITH MORE THAN 25'-0" OF UNINTERRUPTED MASONRY. REFER TO DWG'S. FOR ADDITIONAL SPECIFIED LOCATIONS AS NOTED THUS (WCJ).
3.– CONTINUE ALL BOND BEAMS, TIE BEAMS REINF. THROUGH THE JOINT.



ALTERNATE METHOD

CMU WALL CONTROL JOINT (WCJ) DETAIL

N.T.S.

DESIGN LOAD SCHEDULE

(ALL LOADS SHOWN ARE IN POUNDS PER SQ. FT.)

COMPONENT \ AREA	ROOF
METAL TRUSSES	10
MEP	5
ROOFING	10
TOTAL DEAD LOAD	25
TOTAL LIVE LOAD	20
TOTAL LOAD	45

BEAM SCHEDULE

MARK	SIZE BxH (inches)	REINFORCING BOTT	REINFORCING TOP	REINFORCING INT	STIRRUPS TIES	STIRRUPS SPACING
B-1	8 x 16	3 #5	3 #5	–	#3	@ 6"o.c.
BB-1*	8 x 16	2 #5	2 #5	–	#3	@ 8"o.c.

NOTES :

1. TIE-BEAMS INTENDED TO BE CAST ATOP MASONRY WALLS – EXTEND AND HOOK WALL REINFORCING INTO TIE-BEAM.
2. * – INDICATES MASONRY BEAM

FOOTING SCHEDULE

MARK	SIZE	REINFORCING
F30	3'–0" x 3'–0" x 12"	4 #5 TOP & BOTT. E.W.
F40	4'–0" x 4'–0" x 16"	5 #5 TOP & BOTT. E.W.
F45	4'–6" x 4'–6" x 16"	6 #5 TOP & BOTT. E.W.
F24.12	2'–0" x CONT. x 12"	3 #5 CONT.
F42.16	3'–6" x CONT. x 16"	4 #5 CONT.
MF24.12	2'–0" x CONT. x 12"	3 #5 CONT.
MF24.18	2'–0" x CONT. x 18"	3 #5 CONT. #4 x 2'–0" LONG HOOK BAR @ 36"o.c.

MASONRY WALL SCHEDULE

MARK	THICKNESS	REINFORCING
MW–1	8" CMU	#5 @ 40"o.c.
MW–2	8" CMU	#5 @ 48"o.c.
MW–3	8" CMU	#5 @ 16"o.c.

MASONRY WALL NOTES:

1. WALL SEGMENTS SHALL BE REINFORCED WITH 9 GA. GALVANIZED LATERAL REINFORCING @ 16" O.C. HORIZ. EXTEND REINFORCING 6" INTO POURED ELEMENTS AND AROUND ENCASED STEEL.
2. ADJACENT TO ANY EXTERIOR/INTERIOR WALL OPENING, PLACE (1) MATCHING VERTICAL IN CELL GROUTED SOLID, FULL HEIGHT.
3. ALL MASONRY REINFORCED CELLS SHALL BE FILLED WITH 3000 PSI GROUT MIX.
4. AT END, CORNERS, AND INTERSECTION OF WALLS PLACE (1) MATCHING VERTICAL IN CELL GROUTED SOLID, FULL HEIGHT.

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LAKE WORTH
FLORIDA

PROJECT NO.
201402

SHEET TITLE:
TYP DETAILS AND SECTIONS

REVISIONS:

DATE
11/20/15
DRAWN BY:
DG
CHECKED BY:
EP

SHEET NUMBER:
S-4

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