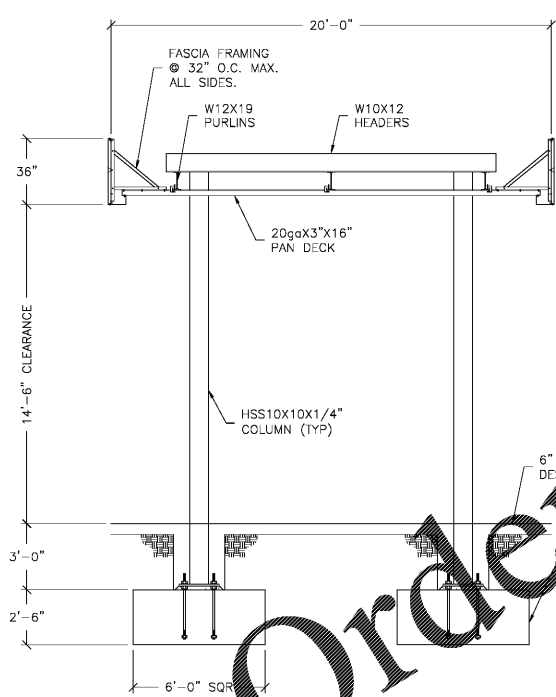
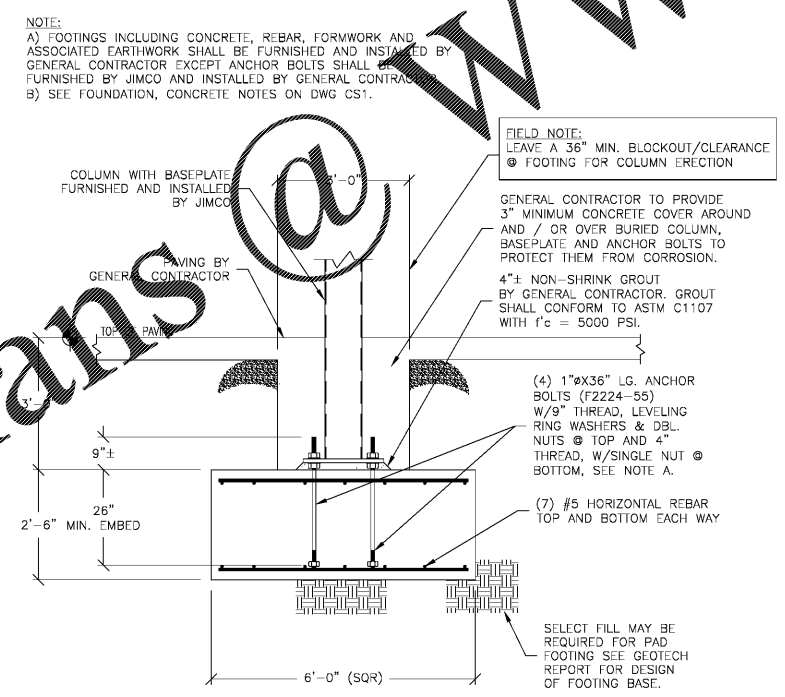


FRAMING PLAN
SCALE: 1/8"=1'-0"



SECTION/ELEVATION
SCALE: 1/4"=1'-0"



FOOTING DETAIL
SCALE: 1/2"=1'-0"

NOTE:
A) FOOTINGS INCLUDING CONCRETE, REBAR, FORMWORK AND ASSOCIATED EARTHWORK SHALL BE FURNISHED AND INSTALLED BY GENERAL CONTRACTOR EXCEPT ANCHOR BOLTS SHALL BE FURNISHED BY JIMCO AND INSTALLED BY GENERAL CONTRACTOR.
B) SEE FOUNDATION, CONCRETE NOTES ON DWG CS1.

FIELD NOTE:
LEAVE A 36" MIN. BLOCKOUT/CLEARANCE @ FOOTING FOR COLUMN ERECTION

GENERAL CONTRACTOR TO PROVIDE 3" MINIMUM CONCRETE COVER AROUND AND / OR OVER BURIED COLUMN, BASEPLATE AND ANCHOR BOLTS TO PROTECT THEM FROM CORROSION.
4"± NON-SHRINK GROUT BY GENERAL CONTRACTOR. GROUT SHALL CONFORM TO ASTM C1107 WITH $f_c = 5000$ PSI.

(7) #5 HORIZONTAL REBAR TOP AND BOTTOM EACH WAY

(4) 1"X36" LG. ANCHOR BOLTS (F2224-55) W/9" THREAD, LEVELING RING WASHERS & DBL. NUTS @ TOP AND 4" THREAD, W/SINGLE NUT @ BOTTOM, SEE NOTE A.

(7) #5 HORIZONTAL REBAR TOP AND BOTTOM EACH WAY

SELECT FILL MAY BE REQUIRED FOR PAD FOOTING SEE GEOTECH REPORT FOR DESIGN OF FOOTING BASE.

SPECIAL INSPECTIONS FOR THE CANOPY

IN ADDITION TO THE REGULAR INSPECTIONS, THE FOLLOWING ITEMS, IF APPLICABLE, WILL REQUIRE SPECIAL INSPECTION IN ACCORDANCE WITH THE BUILDING CODE. JIMCO SALES AND MANUFACTURING IS AN AISC APPROVED FABRICATOR (218031061-10M11).

- STRUCTURAL STEEL - SPECIAL INSPECTION REQUIRED IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF AISC 360 (IBC 1705.2.1).
- WELDING - SPECIAL INSPECTION IS NOT REQUIRED WHERE WELDING IS PERFORMED IN AN APPROVED FABRICATOR SHOP AS PER IBC 1705.2.
- CONCRETE - SPECIAL INSPECTION IS NOT REQUIRED FOR CONCRETE FOOTINGS PER IBC 1705.3 EXCEPTION 1.
- ANCHOR BOLTS - PERIODIC SPECIAL INSPECTION OF ANCHOR BOLT INSTALLATION REQUIRED PER IBC TABLE 1705.3.
- HIGH STRENGTH BOLTS - A325 BOLTS SHALL BE PRETENSIONED USING AN ACCEPTABLE METHOD SUCH AS "TURN OF NUT" AS PER RCSC SPECIFICATION SECTION 8.2. PERIODIC SPECIAL INSPECTION REQUIRED.
- NON-SHRINK GROUT - SPECIAL INSPECTION REQUIRED AS DIRECTED BY THE MANUFACTURER.

SEISMIC FORCE RESISTING SYSTEM (SFRS)

A. REFER TO AISC 341-10 SECTION A4 AND ASCE 7-10.
B. DESIGNATION OF SFRS: G.2. STEEL ORDINARY CANTILEVER COLUMN SYSTEMS (ASCE 7-10 TABLE 12.2-1) SEE AISC 341-10 SECTION E5 (GCCS).
C. R = 1.25, CS = 0.06
D. ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE
E. MEMBERS AND CONNECTIONS THAT ARE PART OF THE SFRS:
1. COLUMNS
2. COLUMN BASE CONNECTION
3. FOOTINGS
F. PROTECTED ZONES: N/A
G. SEE DETAILS AND NOTE FOR CONNECTION CONFIGURATIONS, MATERIALS SPECIFICATIONS AND SIZES.
H. WELD FILLER MATERIALS FOR WELDS PART OF THE SFRS:
1. YIELD STRENGTH - 98 KSI MIN
2. TENSILE STRENGTH - 70 KSI MIN
3. ELONGATION - 22% MIN
4. CRYSTALLINITY - 20 FT-LB MIN @ 0' F
SEE DETAILS AND NOTES FOR OTHER WELDING REQUIREMENTS
J. BOLTED CONNECTIONS SHALL BE "SNUG-TIGHT", UNLESS NOTED OTHERWISE IN ACCORDANCE WITH RCSC.
K. LOWEST ANTICIPATED SERVICE TEMPERATURE - 0' F

CANOPY NOTES

GENERAL NOTES:
A. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE SITE.
B. OBSERVATION VISITS TO THE SITE BY THE DESIGN ENGINEER SHALL NEITHER BE CONSIDERED AS INSPECTION NOR APPROVAL OF CONSTRUCTION.
C. DURING AND AFTER CONSTRUCTION, BUILDER AND/OR OWNER SHALL KEEP LOADS ON THE STRUCTURE WITHIN LIMITS OF DESIGN LOADS.
D. TYPICAL DETAILS AND SECTIONS SHALL APPLY WHERE SPECIFIC DETAILS ARE NOT SHOWN.

1. BUILDING CODE: 2017 FLORIDA BUILDING CODE
2. USE GROUP: M, CONSTRUCTION TYPE - II B
3. DESIGN LOADS:
A. ROOF LIVE LOAD: 20 PSF (REDUCIBLE)
B. CANOPY DEAD LOAD: 10.70 PSF
C. GROUND SNOW LOAD P_g : 0 PSF
FLAT ROOF SNOW LOAD P_f : 0 PSF
RAIN ON SNOW SURCHARGE: 0 PSF IF $P_g < 20$
EXPOSURE FACTOR C_e : 1.0
IMPORTANCE FACTOR I_s : 1.0
THERMAL FACTOR C_t : 1.2
D. ULTIMATE DESIGN WIND SPEED V_{ult} : 150 MPH
BUILDING RISK CATEGORY: II
EXPOSURE: C
COMPONENT & CLADDING: ASCE 7-10 CHAPTER 30
ROOF DESIGN PRESSURES (PSF) C&C FIGURE 30.8-1

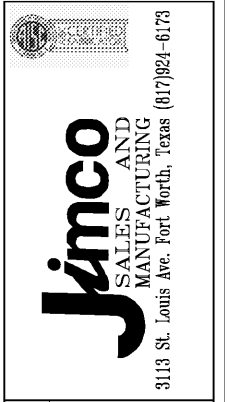
ZONE 3	ZONE 2	ZONE 1
64	-61	64
-61	-61	43
		-39

E. EARTHQUAKE DESIGN:
IMPORTANCE FACTOR: 1.0
 $S_s = 0.07g$
 $S_1 = 0.029g$
SITE CLASS: D
SEISMIC DESIGN CATEGORY: A
SEISMIC FORCE RESISTING SYSTEM: G.2 STEEL ORDINARY CANTILEVERED COLUMN SYSTEM
DESIGN BASE SHEAR: 2.3k
SEISMIC RESPONSE COEFFICIENT: $C_s = 0.05$
RESPONSE MODIFICATION FACTOR: $R = 1.25$
SEISMIC ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

4. FOUNDATION DESIGN:
ALLOWABLE BEARING PRESSURE: 2500 PSF
PER GEOTECHNICAL REPORT BY: FOUNDATION & GEOTECHNICAL ENGINEERING, LLC, DATED: 7 NOVEMBER 2018, (PROJECT #1548-G18-S).
LATERAL EARTH PRESSURE: 250 PSF
SITE SOILS SHALL BE PREPARED FOR THE FOUNDATION IN ACCORDANCE WITH THE GEOTECHNICAL REPORT REFERENCED ABOVE.

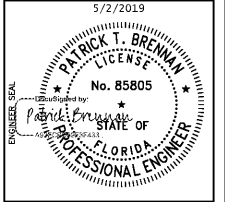
5. CONCRETE AND REINFORCEMENT:
CONCRETE FOOTINGS (EXPOSURE CLASSES FO, SO, WO, CO) TYPE II
CEMENT COMPRESSION STRENGTH OF $f_c = 3000$ p.s.i.
SLAB ON GRADE (EXPOSURE CLASSES FO, SO, WO, CO) TYPE II
CEMENT COMPRESSION STRENGTH OF $f_c = 3500$ p.s.i.
C. ALL CONCRETE DESIGNED USING $f_c = 2500$ p.s.i. SPECIAL INSPECTION NOT REQUIRED UNLESS NOTED OTHERWISE.
D. REBAR: ASTM A615 GRADE 60
E. STIRRUPS AND TIES SHALL HAVE MINIMUM #4 HOOKS.
F. MINIMUM CONCRETE PROTECTION FOR REINFORCEMENT:
CONCRETE EXPOSED TO GROUND - 3"
FORMED CONCRETE EXPOSED TO GROUND - 2"
FORMED CONCRETE NOT EXPOSED TO GROUND - 1 1/2"
G. GROUT UNDER COLUMN BASE PLATES SHALL BE NON-SHRINK GROUT COMPLYING WITH ASTM C1107, $f_c = 5000$ p.s.i. AND INSTALLED PER MANUFACTURERS RECOMMENDATIONS.
H. GENERAL CONTRACTOR IS RESPONSIBLE FOR LOCATING TOP OF FOOTING ELEVATIONS AS REQUIRED FOR UNDERGROUND PLUMBING AND ELECTRICAL.

6. STRUCTURAL STEEL:
A. ALL STRUCTURAL STEEL SHALL COMPLY WITH AISC SPECIFICATION FOR THE DESIGN OF STRUCTURAL STEEL FOR BUILDINGS.
B. AISC "CODE OF STANDARD PRACTICE" EXCLUDING THE FOLLOWING SECTIONS: 4.4, 4.4.1, 4.4.2, AND 7.15.
C. AISC "SPECIFICATIONS FOR THE DESIGN OF COLD FORMED STRUCTURAL MEMBERS".
D. STRUCTURAL STEEL GRADES:
STEEL BEAMS ASTM A992 GRADE 50 $F_y = 50,000$ psi
HSS SQUARE & RECTANGLES ASTM500 GRADE B/ $F_y = 50,000$ psi
HSS ROUND COLUMNS: $F_y = 46,000$ psi
PIPE ASTM A53 GRADE B $F_y = 35,000$ psi
BASE PLATES, CAP PLATES AND CAP PLATE STIFFENERS: ASTM A572 GRADE 50 $F_y = 50,000$ psi
ANGLES ASTM A36 $F_y = 36,000$ psi
E. ALL BOLTED CONNECTIONS SHALL BE ASTM A307 BOLTS UNLESS OTHERWISE SPECIFIED (NO SPECIAL INSPECTION REQUIRED).
F. ALL BOLTED CONNECTIONS SHALL BE "SNUG-TIGHT", UNLESS NOTED OTHERWISE IN ACCORDANCE WITH RCSC.
G. METAL ROOF DECK SHALL BE 20ga ASTM A553 GRADE 40.



DRAWING DESCRIPTION
CANOPY STRUCTURAL NOTES AND PLANS

JOB LOCATION
7-ELEVEN #58777
US 301 & FORT HAMER RD
PARRISH, FL



CUSTOMER
7-ELEVEN, INC - CYPRESS WATERS

REVISIONS
NO. DESCRIPTION
DATE

R. LAUER
DRAWN BY:
P. BRENNAN
CHECKED BY:
5-1-2019
DATE

JOB NO.
19-2361R0
DWG. NO.
CS1
OF 2 SHEETS

Order Plans @ www.LDILine.com