

# SHELL BUILDING FOR A DOLLAR TREE STORE N HWY 19 & CR 44 EUSTIS, FL 32726

# CODE / PROJECT DATA

BUILDING CODE: PLUMBING CODE: 2017 FPC ELECTRICAL CODE: 2014 NATIONAL ELECTRICAL CODE MECHANICAL CODE: 2017 FMC FIRE & LIFE SAFETY CODE: 2017 FFPC ENERGY CODE: 2017 FL ENERGY CC 2014 FBC- ACCESSIBLE ACCESSIBILITY:

NO, PER FBC 903.2.7: A FIRE SPRINKLER FIRE SPRINKLER SYSTEM: SYSTEM IS NOT REQUIRED IF TOTAL BUILDING AREA IS LESS THAN 12,000 S.F.

266 OCCUPANTS

SHT. NO.

S3.2

MØ.1

M1.0

M2.0

M3.0

P0.1

P1.0

P1.1

E0.0

E0.1

E1.0

E2.0

E3.0

E4.0

E5.0

E6.0

TYPE II-B -UNPROTECTED

TOTAL GROSS BUILDING AREA = (ALLOWED AREA FOR TYPE II-B = 12,500 S.F.) ALLOWED BUILDING HEIGHT = 65 FT.

**BUILDING AREAS:** BUILDING TOTAL (GROSS) 10,050 SQ. FT. SALES AREA (NET): 7,815 SQ. FT. 1,411 SQ. FT. STOCKROOM (NET): OFFICE (NET): 80 SQ. FT. **OCCUPANCY GROUP:** MERCANTILE

OCCUPANCY LOAD:

SHEET INDEX

DESCRIPTION

LIFE SAFETY PLAN

REFLECTED CEILING PLAN

BUILDING & WALL SECTIONS

WALL SECTIONS & DETAILS

ENLARGED OFFICE ROOM & DETAILS

DOOR SCHEDULE, DETAILS & NOTES

ENLARGED RESTROOM PLAN & DETAILS

EXTERIOR ELEVATIONS

EXTERIOR ELEVATIONS

FLOOR PLAN

SHT. NO.

SD1.0

A0.1

A1.0

A2.0

A3.0

A3.1

S0.1

S1.1

CONSTRUCTION CLASSIFICATION:

7,815 S.F. / 30 = 260 OCCUPANTS STOCKROOM (ACCESSORY OCCUPANCY S-1): 1,411 S.F. / 300 = 5 OCCUPANTS 80 S.F. / 100 = 1 OCCUPANT OFFICE: (BUSINESS)

INDEX, CODE ANALYSIS, LOCATION MAP. LEGEND

SITE DETAILS: DUMPSTER ENCLOSURE DETAILS

ARCHITECTURAL DRAWINGS

STRUCTURAL DRAWINGS

EXIT ANALYSIS

EGRESS WIDTH REQUIRED: 266 OCCUPANTS X 0.2"/OCCUPANT = 53" EGRESS WIDTH PROVIDED:

DOOR N1 @ 6'-0" = 68"DOOR N2 @ 6'-0" = 68"DOOR N3 @ 3'-0" = 34"TOTAL WIDTH = 170"

PLUMBING FIXTURES

266 OCCUPANTS / 2 = 133 OF EACH SEX

<u>PROVIDED</u> DRINKING FOUNTAIN (1/1000)

MEN WOMEN MEN WOMEN WATER CLOSET (1/500) LAVATORY (1/750)

WIND DESIGN SPEED:

SECTIONS, DETAILS & SCHEDULES

MECHANICAL SPECS NOTES & LEGEND

PLUMBING NOTES, LEGEND & DETAILS

ELECTRICAL NOTES & SPECIFICATIONS

MECHANICAL FLOOR PLAN

MECHANICAL SCHEDULES

PLUMBING FLOOR PLAN

ELECTRICAL SITE PLAN

ELECTRICAL LIGHTING PLAN

E. PANEL SCHEDULES AND RISERS

ELECTRICAL POWER PLAN

ELECTRICAL DETAILS

PLUMBING RISERS

NOT USED

NOT USED

MECHANICAL DETAILS

MECHANICAL DRAWINGS

PLUMBING DRAWINGS

ELECTRICAL DRAWINGS

DESCRIPTION

RISK CATEGORY II = 140 MPH (ULT.)/108 MPH (ASD) ORLANDO, FLORIDA 32804 PH 407.645.5008 FX 407.629.9124

604 COURTLAND STREET

**ARCHITECTURE** 

**ENGINEERING** 

AA 003420

CA 8660

SUITE 100

INTERIOR DESIGN

INTERPLAN

PROJECT MANAGEMENT

THIS DOCUMENT IS NOT

FOR REGULATORY APPROVAL, PERMITTING OR CONSTRUCTION.

# **OWNER & CONSULTANTS**

**ARCHITECT** 

INTERPLAN LLC

ORLANDO, FL 32804

PHONE: 407-645-5008

604 COURTLAND ST. SUITE 100

ARCHITECT OF RECORD: LOUISE CRAVER

BYBLOS DEVELOPMENT, INC TOM HARB, P.E 7932 WEST SAND LAKE ROAD SUITE 102 ORLANDO, FLORIDA 32819

### STRUCTURAL ENGINEER

DANSK CONSULTING INC. 1673 LAKE BALDWIN LANE ORLANDO, FL 32814 PHONE: 407-252-4225 ENGINEER OF RECORD: BJARNE MADSEN

#### MECHANICAL ENGINEER PLUMBING ENGINEER ELECTRICAL ENGINEER

INTERPLAN LLC 604 COURTLAND ST, SUITE 100 ORLANDO, FL 32804 PHONE: 407-645-5008 ENGINEER OF RECORD: STACY HENSON

# CONTACTS

PHONE:

EMAIL:

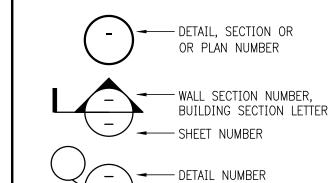
### **GOVERNMENTAL AGENCIES**

CITY OF EUSTIS DEVELOPMENT SERVICES ADDRESS: 10 N. GROVE ST.

(352) 483-5462

priestg@ci.eustis.fl.us

EUSTIS, FL 32726 CONTACT: GUY PRIEST

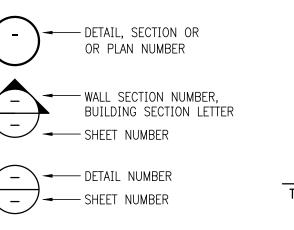


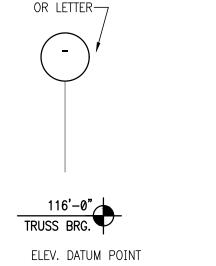
| − | <del>-</del> NOTE NUMBER

⟨ − ⟩ ← WINDOW NUMBER

( - ) - DOOR NUMBER

SYMBOLS / LEGEND





GRID NUMBER

# /-\ REVISION NUMBER

- → INTERIOR FINISH NUMBER <->→ EXTERIOR FINISH NUMBER/ INTERIOR PARTITION − ROOM NAMF

· .	(OOW)	I W WAIT
<u>-</u> -	ROOM	NUMBER

#### ROOF FRAMING PLAN S2.1 SECTIONS, DETAILS & SCHEDULES

STRUCTURAL NOTES

FOUNDATION PLAN

REVISION IS	SSUE LOG			
REV # ISSUE DATE	DESCRIPTION	AFFECTED SHEETS	REMARKS	BY

# CONTRACTOR GENERAL NOTES

- A. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL DRAWINGS AND SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO ARCHITECTURAL, CIVIL, STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL, PRIOR TO SUBMITTING A BID. REPORT ANY DISCREPANCIES TO ARCHITECT OR ENGINEER PRIOR TO BID. THESE DOCUMENTS ARE BASED UPON MEASURED DRAWINGS AND OTHER INFORMATION PROVIDED BY THE OWNER AS WELL AS NON-INVASIVE SITE VISITS THE MEASURED DRAWINGS INCLUDE ONLY THOSE ELEMENTS AND SYSTEMS EXPOSED TO VIEW AND HAVE NOT BEEN FIELD VERIFIED. THE CONSTRUCTION DOCUMENTS
- EXISTING STRUCTURAL, PLUMBING, MECHANICAL AND ELECTRICAL SYSTEMS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL EXISTING BUILDING ELEMENTS AND SYSTEMS, FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND SATISFY THEMSELVES AS TO THE NATURE AND SCOPE OF THE WORK, REVIEW THE CONTRACT DOCUMENTS AND NOTIFY THE ARCHITECT OF ANY CONFLICTS AND/OR DISCREPANCIES PRIOR TO BID. THE SUBMISSION OF A BID WILL BE EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE. LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS REQUIRE, OR FOR ANY DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD AN EXAMINATION BEEN

HAVE BEEN PRODUCED WITHOUT THE BENEFIT OF KNOWLEDGE OF THE EXACT

- MADE, WILL NOT BE ALLOWED. ). IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ARCHITECT OF ANY DISCREPANCIES ENCOUNTERED ON THE PLANS OR IN EXISTING SITE CONDITIONS PRIOR TO SUBMISSION OF BID.
- CONTRACTOR, DURING PRE-BID SITE VISIT, SHALL TAKE NOTICE OF ANY VISUALLY APPARENT CODE VIOLATIONS AND ALLOW IN HIS/HER BID FOR CORRECTING SUCH CONTRACTORS ARE CAUTIONED TO COORDINATE ITEMS IN THEIR SCOPE OF WORK
- WITH OTHER TRADES. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY CONFLICTS AND/OR DISCREPANCIES DISCOVERED DURING DEMOLITION AND CONSTRUCTION PHASES OF
- H. THESE NOTES APPLY TO ALL SHEETS.

### NOTES:

I. MONUMENT SIGN, AWNINGS & CANOPIES, SIGNAGE AND DUMPSTER ENCLOSURE WILL REQUIRE SEPARATED PERMITS.

# FL PRODUCT APPROVAL LIST

CATEGORY	MANUFACTURER	APPROVAL#	EXPIRATION
STOREFRONT	KAWNEER TRIFAB VG 451T	FL 7237-R8	12-31-20
DOORS-STRFRNT	KAWNEER TRIFAB VG 451T	FL 7237-R8	12-31-20
DOORS-STEEL	REPUBLIC DL416 SERIES—SINGLE	FL 15869-R3	
DOORS-STEEL	REPUBLIC DL416 SERIES-DOUBLE	FL 15869-R3	
FIFS/STUCCO	STO CORP	FI 20110-R1	12-31-19

# METAL BUILDING NOTES

- METAL BUILDING DETAILS ARE PROVIDED TO SHOW DESIGN INTENT ONLY. PRE-ENGINEERED METAL BUILDING (PEMB) SHALL DETERMINED FINAL DETAILS TO PROVIDE INTENT INDICATED.
- REFER TO THE PEMB DOCUMENTS AND SHOP DRAWINGS FOR PROJECT SPECIFIC
- . G.C SHALL COORDINATE PROJECT SPECIFIC METAL BUILDING DETAILS WITH OTHER
- . THE ARCHITECTURAL PLANS ASSUMED AN 8" DEPTH FOR THE PEMB STRUCTURE WITH 3 5/8" METAL STUD FURRING AT THE INTERIOR WALLS. THERE SHALL BE PROJECTIONS OF COLUMNS AT THE SALES FLOOR WALLS. WHERE NECESSARY, T LOCATION AND/OR SIZE OF THE INTERIOR METAL STUDS MUST BE ADJUSTED II

# ORDER TO CONCEAR THE COLUMNS. aLSO, DEPENDING ON THE DEPTH OF THE GIRTS, THE SIZE OF THE METAL STUDS MAY BE REQUIRED TO BE REDUCED.

# SHELL BUILDING for DOLLAR TREE

NO DATE REMARKS

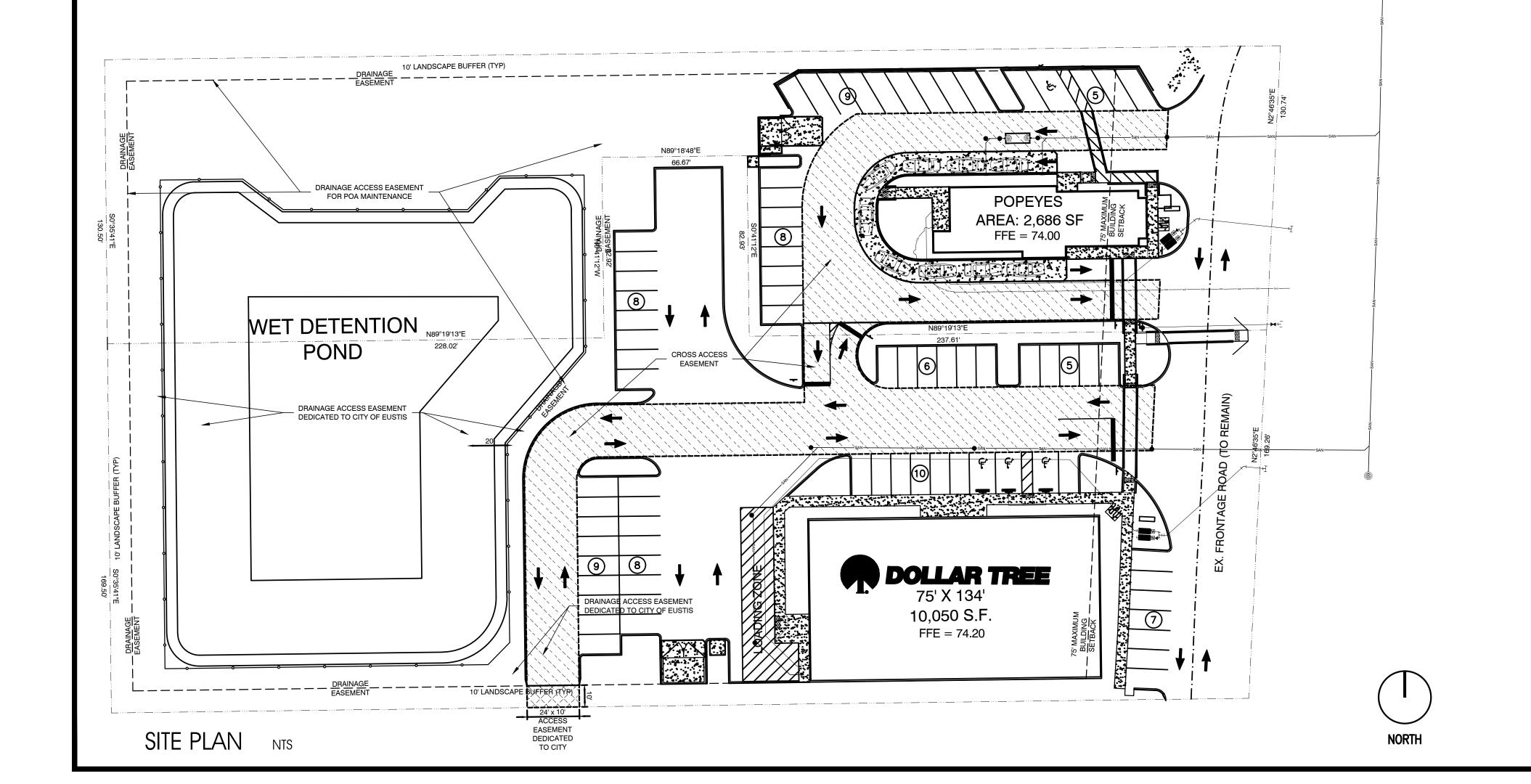
REVISIONS

N HWY 19 & CR 44 EUSTIS, FL

PROJECT NO: 2018.0328 DATE: 08-27-2018

**COVER SHEET** 

CHECKED: RC DRAWN: MS



#### STRUCTURAL NOTES

#### CODES AND STANDARDS

#### WIND LOADS AS PER:

- A. FLORIDA BUILDING CODE 2017 EDITION, FOR A 140 MPH(ULT)/108 MPH(ASD) EXPOSURE C, +/-0.18 INTERNAL PRESSURE COEFFICIENT, 1.0 IMPORTANCE
- FACTOR, AND RISK CATEGORY II. B. THIS BUILDING IS DESIGNED AS AN ENCLOSED BUILDING.
- 2. THE PROJECT WAS DESIGNED IN ACCORDANCE WITH THE:
- A. FLORIDA BUILDING CODE 2017 EDITION. B. BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE
- (ACI 318/ 2014 EDITION). C. MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED
- CONCRETE STRUCTURES (ACI 315/ LATEST EDITION). D. MANUAL OF STANDARD PRACTICE FOR WELDING REINFORCING STEEL INSERTS & CONNECTIONS IN REINFORCED CONCRETE CONSTRUCTION.
- D. SPECIFICATION FOR THE DESIGN, FABRICATION & ERECTION OF STRUCTURAL STEEL FOR BUILDINGS. (AMERICAN INSTITUTE OF STEEL CONSTRUCTION) AISC ASD/ 9TH EDITION OR LRFD 3RD EDITION.

#### 3. ARCHITECTURAL AND MECHANICAL DRAWINGS:

AWS. D1.4/ 1992 EDITION.

- THE STRUCTURAL DRAWINGS ARE PART OF THE CONTRACT DOCUMENTS AND DO NOT BY THEMSELVES PROVIDE ALL THE INFORMATION REQUIRED TO PROPERLY COMPLETE THE PROJECT STRUCTURE. THE GENERAL CONTRACTOR SHALL CONSULT THE ARCHITECTURAL MECHANICAL AND ELECTRICAL DRAWINGS AND COORDINATE TH INFORMATION CONTAINED IN THESE DRAWINGS WITH THE STRUCTURAL DRAWINGS TO PROPERLY CONSTRUCT THE PROJECT.
- B. REFER TO ARCHITECTURAL, MECHANICAL OR ELECTRICAL DRAWINGS FOR ADDITIONAL OPENINGS, DEPRESSIONS, FINISHES, INSERTS, BOLTS SETTINGS, DRAINS, REGLETS, ETC.
- C. BEFORE ORDERING ANY MATERIALS OR DOING ANY WORK, THE CONTRACTOR SHALL VERIFY ALL MEASUREMENTS TO PROPERLY SIZE OR FIT THE WORK. NO EXTRA CHARGE OR COMPENSATION WILL BE ALLOWED BY THE OWNER RESULTING FROM THE CONTRACTOR'S FAILURE TO COMPLY WITH THIS REQUIREMENT.
- D. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER BEFORE PROCEEDING WITH ANY WORK.
- E. ALL STRUCTURES HAVE BEEN DESIGNED TO RESIST THE DESIGN LOADS LISTED ONLY AS COMPLETED STRUCTURES. THE GENERAL CONTRACTOR SHALL FULLY BRACE AND OTHERWISE PROTECT WORK IN PROGRESS UNTIL THE STRUCTURES ARE COMPLETED. THE GENERAL CONTRACTOR SHALL ALSO INSURE THAT ITS OPERATIONS AND PROCEDURES PROVIDE NO LOADING GREATER THAN THE DESIGN LOADS LISTED ON ANY MEMBER.
- 4. SECTIONS AND DETAILS:
  - ALL DETAILS, SECTIONS AND NOTES SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS ELSEWHERE UNLESS OTHERWISE SHOWN.

#### SPECIALTY ENGINEERED PRODUCTS

- 1. THE GENERAL CONTRACTOR IS RESPONSIBLE TO COORDINATE THE PROPER SUBMISSION OF SPECIALTY ENGINEERED SHOP DRAWINGS WHICH SHALL BE SIGNED AND SEALED BY AN ENGINEER REGISTERED IN THE STATE OF FLORIDA. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO ASSURE THAT THE SPECIALTY ENGINEERED SHOP DRAWINGS ARE SUBMITTED IN A TIMELY MANNER SO AS TO ALLOW REVIEWS AND RESUBMISSIONS AS REQUIRED. ALL SPECIALTY ENGINEERED PRODUCTS SHALL BE DESIGNED FOR THE APPROPRIATE GRAVITY LOADS AND WIND LOADS INCLUDING UPLIFT AND LATERAL LOADS. INTERIOR SPECIALTY PRODUCTS SHALL BE DESIGNED FOR LATERAL LOADS TO ASSURE STABILITY. SPECIALTY ENGINEERED PRODUCTS SHALL BE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
- A. LIGHT GAUGE METAL INCLUDING, BUT NOT LIMITED TO, SOFFITS, CLADDING,
- B. MISCELLANEOUS METALS INCLUDING STEEL STAIRS, MECHANICAL EQUIPMENT SUPPORTS, FRAMES THAT SUPPORT MACHINES, PIPES OR OTHER STRUCTURAL METAL USED FOR SUPPORT OF MECHANICAL SYSTEMS.
- C. MISCELLANEOUS HANGERS, METAL FRAMES, LADDERS, RIGGING, HANGING WALLS, METAL RAILINGS, SAFETY RAILINGS, GLAZING FRAMES, CLADDING SUCH AS STONE, PRECAST, ALUMINUM, METAL PANELS, CABLE BARRIER SYSTEMS, ETG OR ANY OTHER MISCELLANEOUS PRODUCT REQUIRED BY ANY OF THE CONSTRUCTION

#### FOUNDATION

- 1. ALL SITE PREPARATION AND EXCAVATION WORK IS TO BE PERFORMED IN STRICT ACCORDANCE WITH THE:
- A. GEOTECHNICAL REPORT PREPARED BY UNIVERSAL ENGINEERING SCIENCES, INC DATED OCTOBER 2, 2017, REPORT NUMBER 1494195.
- THE BUILDING SITE SHOULD BE EXCAVATED TO THE DEPTH AND EXTENT INDICATED IN THE SOILS REPORT. ALL SUBGRADES SHALL BE APPROVED
- IN WRITING BY THE SOILS ENGINEER PRIOR TO BACKFILLING 3. BOTTOM OF FOOTINGS TO BEAR ON SOIL CAPABLE OF SAFELY
- SUPPORTING 2000 PSF. 4. BOTTOM OF ALL FOOTINGS SHALL BE MINIMUM 12" BELOW
- EXCAVATION & BACKFILL:
- A. ALL EXCAVATION SHALL BE KEPT DRY. EXCAVATE TO DEPTHS AND DIMENSIONS INDICATED. TAKE EVERY PRECAUTION TO GUARD AGAINST ANY MOVEMENT OR SETTLEMENT OF ADJACENT STRUCTURES, UTILITIES,
- B. PROVIDE ANY BRACING OR SHORING NECESSARY TO AVOID SETTLEMENT OR DISPLACEMENT OF EXISTING FOUNDATION OR STRUCTURES.
- 6. CENTERLINE OF FOOTINGS: SHALL COINCIDE WITH CENTERLINE OF COLUMNS UNLESS OTHERWISE NOTED ON DRAWINGS.
- 7. DIMENSIONS: ALL DIMENSIONS AND ELEVATIONS SHOWN ON THE STRUCTURAL DRAWINGS MUST BE VERIFIED AND COORDINATED WITH THE ARCHITECTURAL DRAWINGS BY THE CONTRACTOR REFORE PROCEEDING WITH THE CONSTRUCTION. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER IN WRITING BEFORE PROCEEDING WITH ANY WORK.

#### CONCRETE

- 1. CONCRETE ELEMENTS TO HAVE THE FOLLOWING STRENGTHS:
- A. FOUNDATIONS B. SLAB-ON-GRADE 3000 PSI
- ALL OTHER CONCRETE TO BE 3000 PSI UNLESS NOTED OTHERWISE. 2. ALL CONCRETE SHALL BE READY MIX AND MEET THE FOLLOWING REQUIREMENTS:
- A. A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI @ 28 DAYS. B. SLUMPS SHALL BE 4" MINIMUM AND 6" MAXIMUM.
- C. CONCRETE SHALL HAVE 2 PERCENT AIR ENTRAINMENT. D. ALL CONCRETE TO HAVE MAXIMUM WATER/CEMENT RATIO OF 0.55.
- E. JOBSITE WATER SHALL NOT BE ADDED. 3. ALL CONCRETE WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE ACI BUILDING CODE (ACI 318/ 2014 EDITION), THE ACI DETAILING MANUAL
- (ACI 315/ LATEST EDITION), AND THE SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301/ LATEST EDITION).
- 4. SUBMIT ALL REINFORCING STEEL SHOP DRAWINGS FOR APPROVAL PRIOR TO ANY FABRICATION. 5. CONCRETE COVER FOR REINFORCING STEEL SHALL BE AS REQUIRED BY
- ACI SPECIFICATIONS. 6. WELDED WIRE FABRIC SHALL COMPLY WITH ASTM A 185, UNLESS OTHERWISE SPECIFIED. PLACE FABRIC 2" CLEAR FROM TOP OF THE SLAB IN

SLAB ON GRADE AND SUPPORT ON SLAB BOLSTERS SPACED AT 3'-0" O.C.

- A. ALL REINFORCING STEEL SHALL BE MANUFACTURED FROM HIGH
- STRENGTH BILLET STEEL CONFORMING TO ASTM DESIGNATION A 615 B. WWF SHALL COMPLY WITH ASTM A 185.
- 8. LAP ALL BARS MINIMUM 48 DIAMETERS UNLESS OTHERWISE NOTED ON DRAWINGS. LAP ALL WWF A MINIMUM OF 12 INCHES (UNLESS OTHERWISE
- REINFORCING BARS:
- A. ALL HOOKS SHOWN IN REINFORCEMENT SHALL BE ACI RECOMMENDED HOOKS UNLESS OTHERWISE NOTED.
- 10. CONSTRUCTION JOINTS IN STRUCTURAL SLABS AND BEAMS SHALL BE AT MID-SPAN AND KEY JOINTED WITH REINFORCING CONTINUOUS ACROSS JOINT AND ADDITIONAL SHEAR FRICTION REINFORCING. CONSTRUCTION JOINT LOCATIONS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. CONSTRUCTION JOINTS IN POST-TENSION SLABS SHALL
- 11. ALL MECHANICAL COUPLERS SHALL DEVELOP 1.25 FY OF REBAR IN TENSION OR COMPORESSION AND COMPLY WITH ACI 318.

BE LOCATED AND DESIGNED BY SPECIALTY ENGINEER.

- 1. ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST AISC CODE. STRUCTURAL STEEL SHALL CONFORM TO:
- A. ASTM SPECIFICATION A 992 GRADE 50 FOR ALL WIDE FLANGE BEAMS.
- B. ASTM SPECIFICATION A 36 FOR MISCELLANEOUS STEEL SHAPES (ANGLES, PLATES, ETC.).
- C. SQUARE OR RECTANGULAR HSS SHALL CONFORM TO ASTM SPECIFICATION A 500 GRADE B (FY=46 KSI).
- D. ALL STEEL TO HAVE A SHOP COAT OF RUST INHIBITIVE PAINT.
- E. DELETE PAINT ON ALL STEEL TO RECEIVE SPRAYED ON FIREPROOFING OR CONCRETE ENCASEMENT.
- F. ALL MILL CAMBER TO BE ORIENTED UPWARD DURING FABRICATION AND
- G. STEEL BEAMS INSTALLED IN PARALLEL WITH STEEL BAR JOISTS MUST
- 2. ALL SHOP AND FIELD WELDING SHALL BE PERFORMED BY WELDERS QUALIFIED, AS DESCRIBED IN "AMERICAN WELDING SOCIETY'S STANDARD QUALIFICATION PROCEDURE" (AWS D1.1), TO PERFORM THE TYPE OF WORK REQUIRED.
- 3. ALL CONNECTIONS SHALL BE BOLTED WITH 3/4" DIAMETER, A-325 HIGH

STRENGTH BOLTS OR WELDED (UNLESS SHOWN OTHERWISE ON THE

- DRAWINGS). A. ALL CONNECTIONS TO HOLLOW STRUCTURAL SECTION (HSS) COLUMNS
- ARE TO BE THRU-PLATE UNLESS NOTED OTHERWISE. B. ALL CONNECTIONS SHALL BE DOUBLE ANGLES UNLESS NOTED OTHERWISE.
- 4. ALL ALUMINUM AND STEEL MEMBERS TO BE TREATED OR PROPERLY SEPARATED TO PREVENT GALVANIC AND CORROSIVE EFFECTS.
- 5. ALL STEEL WELDING RODS SHALL BE E70XX ELECTRODES.

HAVE CAMBER EQUAL TO BAR JOISTS.

- 6. SUBMIT ALL STEEL SHOP DRAWINGS FOR APPROVAL PRIOR TO ANY FABRICATION.
- 7. EQUIPMENT SUPPORTS:
- PROVIDE ALL SUPPORTING STEEL NOT INDICATED ON PLAN AS REQUIRED FOR THE INSTALLATION OF MECHANICAL EQUIPMENT AND MATERIALS, INCLUDING ANGLES, CHANNELS, BEAMS, HANGERS, ETC. DO NOT SUPPORT EQUIPMENT OR PIPING FROM METAL DECKING.
- 8. DECK SUPPORTS:
- PROVIDE 1/4" BENT PLATES AT ALL HIPS, VALLEYS, SKEWED BEAMS AND OTHER AREAS FOR DECK SUPPORT.

#### PRE-ENGINEERED BUILDING NOTES

- 1. THE ENTIRE PRE-ENGINEERED METAL BUILDING SYSTEM SHALL BE DESIGNED BY THE PRE-ENGINEER BUILDING MANUFACTURER IN CONFORMANCE WITH THE REFERENCED BUILDING CODES AND STANDARDS.
- 2. IT IS THE PRE-ENGINEERED BUILDING MANUFACTURER'S RESPONSIBILITY TO DESIGN THE COMPLETE BUILDING SYSTEM (STEEL FRAMING, ANCHOR BOLTS, PURLINS, GIRTS, BRACING, CONNECTIONS, ROOFING, WALL PANELS, COMPONENTS, ATTACHMENTS, ETC.). THE MANUFACTURER SHALL SUBMIT A CERTIFICATION LETTER BEARING THE SEAL OF THE REGISTERED PROFESSIONAL STRUCTURAL ENGINEER RESPONSIBLE FOR THE DESIGN STATING THAT THE BUILDING SYSTEM DESIGN MEETS THE INDICATED CODE, PERFORMANCE AND LOADING REQUIREMENTS.
- 3. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF THE ENTIRE METAL BUILDING SYSTEM FOR REVIEW. THE CONTRACTOR SHALL ALSO SUBMIT A COMPLETE STRUCTURAL DESIGN ANALYSIS OF THE BUILDING SYSTEM (FOR RECORD PURPOSES ONLY). THE SHOP DRAWING SUBMITTAL SHALL INCLUDE ALL ANCHOR BOLT REQUIREMENTS AND FOUNDATION REACTIONS. ALL SHOP DRAWING AND CALCULATION SUBMITTALS SHALL BEAR THE SEAL OF THE REGISTERED PROFESSIONAL STRUCTURAL ENGINEER RESPONSIBLE FOR THE DESIGN.
- 4. DESIGN LOADS TO BE USED IN CONNECTION WITH THE PRE-ENGINEERED BUILDING DESIGN ARE PER THE DESIGN CRITERIA NOTES. IN ADDITION TO THE ACTUAL DEAD LOAD, AN ADDITIONAL COLLATERAL ROOF FRAMING DEAD LOAD OF 5 PSF SHALL BE INCLUDED. COORDINATE ANY EQUIPMENT LOADS WITH THE MECHANICAL AND ARCHITECTURAL DRAWINGS.
- 5. CALCULATIONS FOR FRAME DEFLECTIONS SHALL BE DONE USING ONLY THE STIFFNESS OF THE BARE FRAMES. REDUCTIONS BASED ON ENGINEERING JUDGEMENT USING THE ASSUMED COMPOSITE STIFFNESS OF THE BUILDING ENVELOPE SHALL NOT BE PERMITTED. CALCULATIONS SHALL BE SUBMITTED VERIFYING THAT THE ACTUAL FRAME DRIFTS UNDER CODE REQUIRED LOADINGS DOES NOT EXCEED THE ALLOWABLE DEFLECTIONS AND DRIFTS AS INDICATED IN THE PROJECT SPECIFICATIONS.
- 6. THE PRE-ENGINEERED BUILDING MANUFACTURER SHALL PROVIDE ALL GIRTS, PURLINS, AND OTHER COMPONENTS REQUIRED FOR A COMPLETE BUILDING SYSTEM. ALL WALL SYSTEMS. SUCH AS METAL STUDS. STOREFRONTS. ETC.. SHALL BE PROPERLY SUPPORTED BY THE METAL BUILDING SYSTEM. ALLOWABLE DEFLECTIONS OF COMPONENTS SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- 7. THE FOUNDATION SYSTEM IS BASED UPON THE DESIGN LOADS INDICATED IN THE DESIGN CRITERIA AND THE UNFACTORED REACTIONS INDICATED. IF THE ACTUAL FOUNDATION REACTIONS ARE MORE THAN 5% GREATER THAN THE REACTIONS INDICATED, THEN THE PROJECT STRUCTURAL ENGINEER OF RECORD SHALL BE
- 8. THE SIZE, NUMBER AND PLACEMENT PATTERN OF ALL ANCHOR BOLTS SHALL BE DETERMINED BY THE PRE-ENGINEERED BUILDING MANUFACTURER. ANCHOR BOLT EMBEDMENTS ARE INDICATED ON THE PROJECT DRAWINGS.
- 9. THE PRE-ENGINEERED BUILDING SHALL BE DESIGNED BY THE MANUFACTURER TO RESIST ALL CODE REQUIRED LATERAL LOADS AS FOLLOWS: INTERIOR FRAME LINES: RIGID FRAMES (PINNED-BASED COLUMNS) PERIMETER WALL LINES: BRACED BAYS OR PORTAL FRAMES
- 10. TEMPORARY GUYING AND BRACING SHALL BE PROVIDED UNTIL THE ENTIRE FINAL LATERAL LOAD RESISTING SYSTEM HAS BEEN ERECTED. SEE THE GENERAL REQUIREMENTS.
- 11. UNLESS OTHERWISE NOTED OR SPECIFIED, ALL STEEL MEMBERS SHALL BE CLEANED AND PAINTED IN ACCORDANCE WITH THE MANUFACTURER'S STANDARD PROCEDURES.
- 12. THE REACTIONS USED FOR THE DESIGN OF THE FOUNDATION SYSTEM WERE BASED ON PINNED COLUMN BASES. NO FIXED COLUMN BASES ARE PERMITTED WITHOUT THE STRUCTURAL ENGINEER OF RECORD'S WRITTEN APPROVAL.
- 13. THE FOUNDATIONS HAVE BEEN DESIGNED FOR THE FOLLOWING UNFACTORED REACTIONS. MAIN

MAIN BUILDING:			
TYPICAL INTERIOR FRAME:	25K (DOWN)	17K (UP)	14K (HORI
TYPICAL END FRAME:	25K (DOWN)	17K (UP) 25K (UP)	20K (HORI
TYPICAL ENDWALL COLUMN:	8K (DOWN)	5K (ÙP)	5K (HORIZ
TYPICAL INTERIOR COLUMN:	50K (DOWN)	25K (UP)	`

#### COLD FORMED METAL FRAMING:

- 1. DESIGN, FABRICATIONS AND ERECTION SHALL CONFORM TO AISI "SPECIFICATIONS FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS", LATEST EDITION. ALL METAL STUDS SHALL BE GALVANIZED.
- 2. ALL 43 MIL AND 33 MIL STUDS, JOISTS, TRACK, BRIDGING. END CLOSURES AND ACCESSORIES SHALL BE FORMED FROM STEEL THAT CORRESPONDS TO THE REQUIREMENTS OF AISI "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS" WITH A MINIMUM YIELD OF 33,000 PSI (U.N.O.).
- 3. ALL MATERIAL AND ACCESSORIES SHALL BE FORMED FROM STEEL HAVING A G-60 GALVANIZED COATING, MEETING ASTM A 653.
- 4. UNLESS NOTED, ALL SCREWS OR PINS SHALL BE NON CORROSIVE NO. 8-18 (D=.125") OR LARGER (DO NOT USE STAINLESS STEEL OR COPPER COATED FASTENERS).
- 5. UNLESS NOTED, TRACKS SHALL BE SAME DEPTH AS STUDS OR JOISTS AND EQUAL OR THICKER GAUGE THAN STUDS OR JOISTS. TRACKS SHALL BE CONNECTED TO SUPPORTS AT 16" MAX. STUDS OR JOISTS SHALL BE CONNECTED TO TRACKS AT EACH SIDE.

#### SHOP DRAWINGS

- 1. THE SHOP DRAWINGS SHALL BE SUBMITTED IN COMPLETE PACKAGES FOR THE FOLLOWING:
  - A. CONCRETE MIX DESIGNS
  - B. CONCRETE REINFORCING STEEL AND WELDED WIRE FABRIC C. PRE-ENGINEERED METAL BUILDINGS
- PRE-ENGINEERED ITEMS SHALL BE SUBMITTED SIGNED AND SEALED BY A SPECIALTY ENGINEER REGISTERED IN THE STATE OF FLORIDA.

# DESIGN LOAD SCHEDULE (ALL LOADS SHOWN ARE IN POUNDS PER SQ. FT.) COMPONENT SYSTEM TOTAL DEAD LOAD TOTAL LIVE LOAD TOTAL LOAD

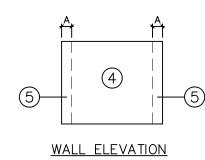
ROOF WIND PRESSURE (PSF) COMPONENTS AND CLADDING-EXP C-108 MPH(ASD) WIND SPEED			
EFFECTIVE WIND	ROOF AREA		
AREA (SQ. FT.)	1	2	3
10	+12.9/-28.1	+12.9/-47.1	+12.9/-71.0
20	+12.9/-27.3	+12.9/-42.1	+12.9/-58.7
50	+12.9/-26.4	+12.9/-35.5	+12.9/-42.7
100	+12.9/-25.7	+12.9/-30.4	+12.9/-30.4

- 1. WIND DESIGN PER FBC-2017
- 2. +: INDICATES WIND PRESSURE -: INDICATES WIND SUCTION
- 3. WALL DISTANCE A = 10 FT(COMPONENTS AND CLADDING)
- 4. FOR EFFECTIVE WIND AREAS BETWEEN THOSE GIVEN ABOVE THE LOAD MAY BE INTERPOLATED, OTHERWISE USE THE
- LOAD ASSOCIATED WITH THE LOWER EFFECTIVE WIND AREA 5. MULTIPLY VALUES WITH 1.67 FOR ULT.

DOOR & WINDOW WIND PRESSURE (PSF) COMPONENTS AND CLADDING-EXP C-108 MPH(ASD) WIND SPEED			
SIZE OF WALL OPENING (SQ. FT.)	WALL AREA		
	4	5	
10	+28.1/-30.4	+28.1/-37.5	
20	+26.8/-29.2	+26.8/-35.1	
50	+25.2/-27.5	+25.2/-31.7	
100	+23.9/-26.3	+23.9/-29.2	

## 1. WIND DESIGN PER FBC-2017

- 2. +: INDICATES WIND PRESSURE
  -: INDICATES WIND SUCTION
- WALL DISTANCE A = 10 FT (COMPONENTS AND CLADDING)
- 4. FOR WALL OPENINGS BETWEEN THOSE GIVEN ABOVE THE LOAD MAY BE INTERPOLATED, OTHERWISE USE THE WALL OPENING AREA.
- LOAD ASSOCIATED WITH THE LOWER 5. MULTIPLY VALUES WITH 1.67 FOR ULT.



DENSGLASS SHEATHING FASTENING SCHEDULE (WALLS AND ROOF)			
SCREW SIZE	FASTENER SPACING	ZONE	
#10 BUGLE HEAD	6" @ EDGES, 12" @ INTERMEDIATE SUPPORTS	ROOF	
#10 BUGLE HEAD	6" @ EDGES, 12" @ INTERMEDIATE SUPPORTS	WALL	

## INTERPLAN

ARCHITECTURE ENGINEERING INTERIOR DESIGN PROJECT MANAGEMENT

AA 003420 CA 8660

604 COURTLAND STREET SUITE 100 ORLANDO, FLORIDA 32804 PH 407.645.5008 FX 407.629.9124

THIS DOCUMENT IS NOT FOR REGULATORY APPROVAL, PERMITTING OR CONSTRUCTION.

> BJARNE MADSEN, P.E. FL. 58683



1673 LAKE BALDWIN LANE ORLANDO, FLORIDA 32814 PH. (407) 252-4225 LIC EB28029 PROJECT # IP18-22

NO DATE REMARKS REVISIONS

SHELL BUILDING

for DOLLAR TREE

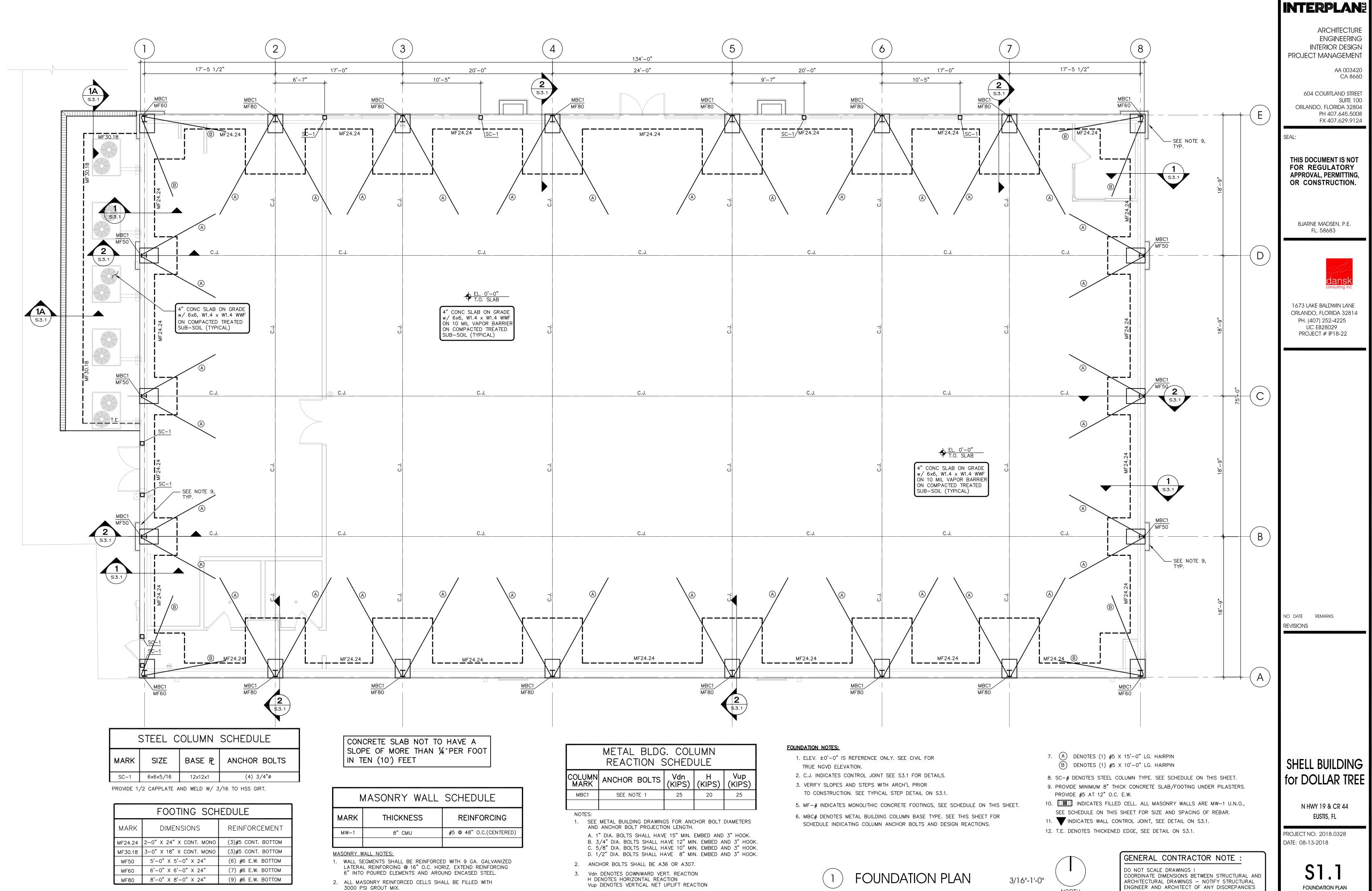
EUSTIS, FL

N HWY 19 & CR 44

PROJECT NO: 2018.0328 DATE: 08-13-2018

CHECKED: BM DRAWN: RED

STRUCTURAL NOTES



Vup DENOTES VERTICAL NET UPLIFT REACTION

2. ALL MASONRY REINFORCED CELLS SHALL BE FILLED WITH

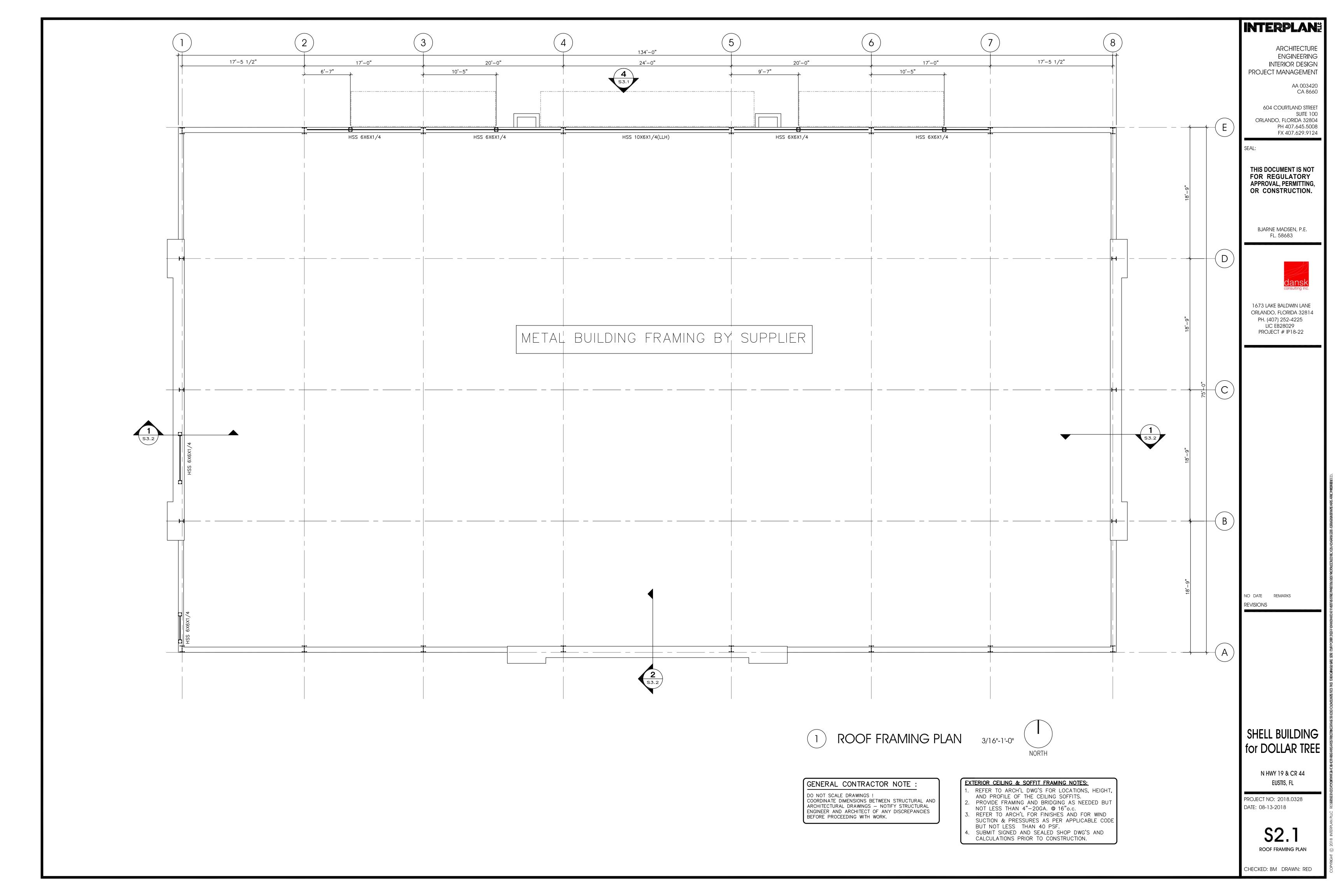
3000 PSI GROUT MIX.

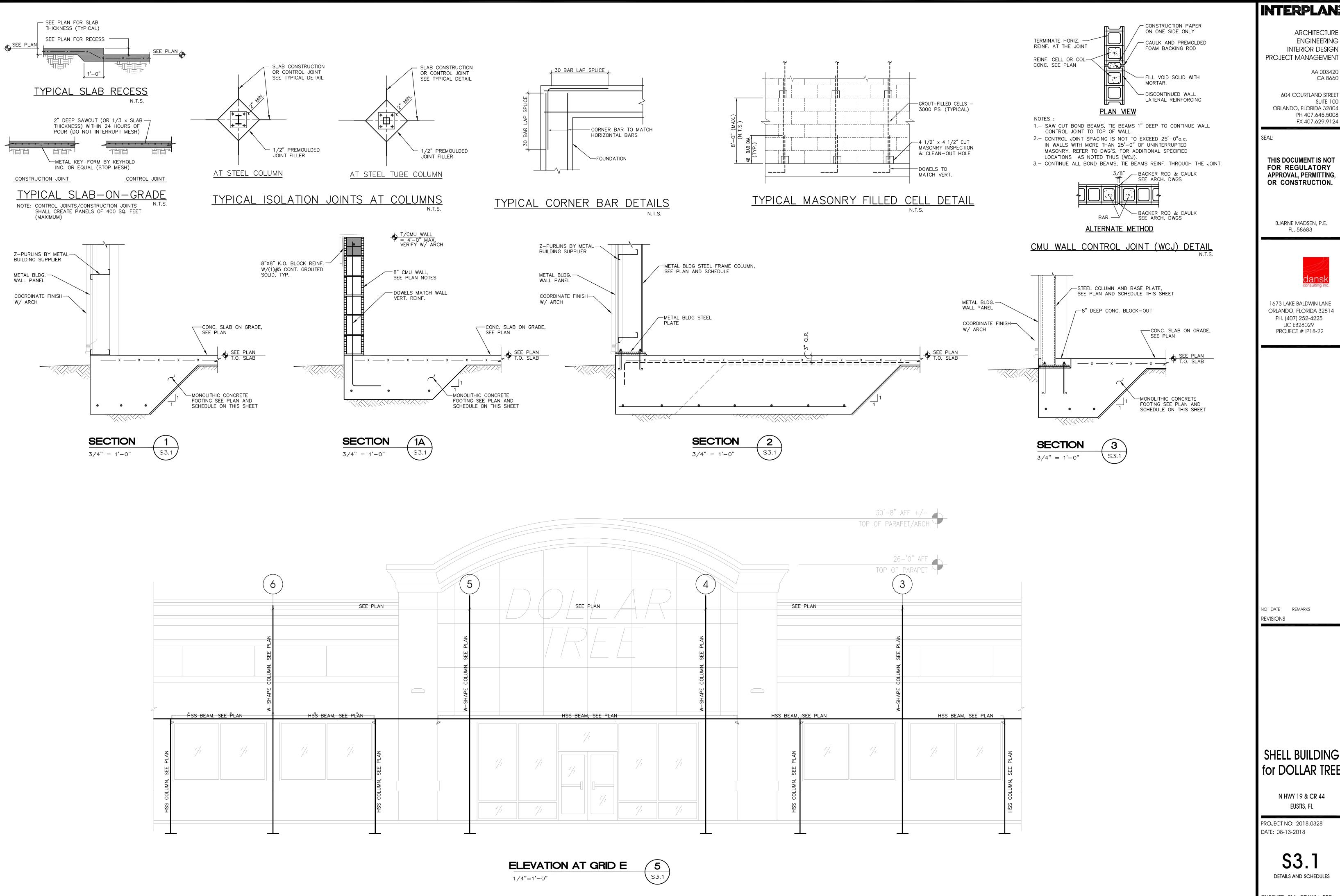
FOUNDATION PLAN

CHECKED: BM DRAWN: RED

NORTH

BEFORE PROCEEDING WITH WORK.





INTERPLANE

**ARCHITECTURE** ENGINEERING INTERIOR DESIGN PROJECT MANAGEMENT

AA 003420 CA 8660

SUITE 100

PH 407.645.5008

FX 407.629.9124

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1673 LAKE BALDWIN LANE ORLANDO, FLORIDA 32814 PH. (407) 252-4225 LIC EB28029 PROJECT # IP18-22

NO DATE REMARKS

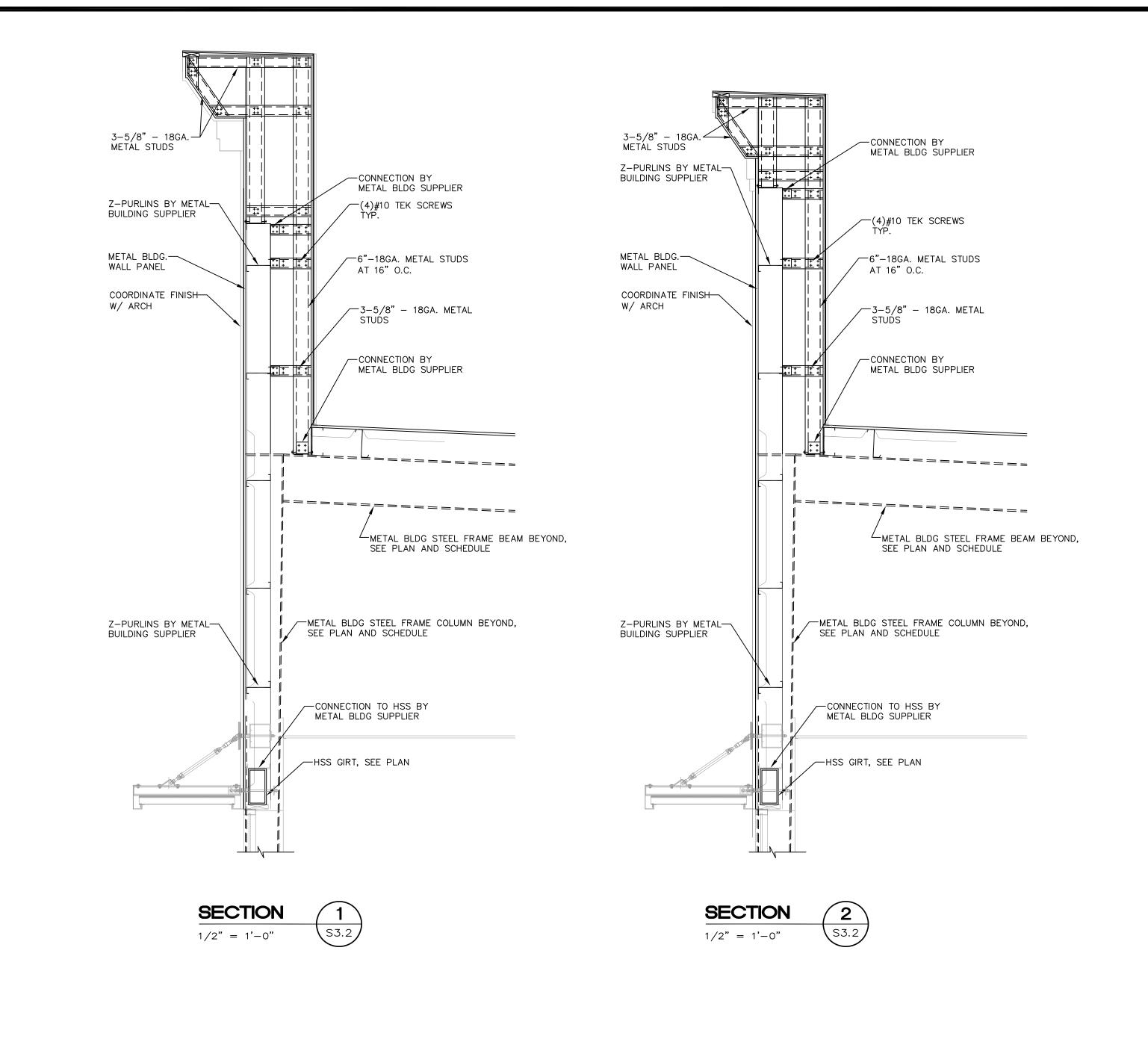
SHELL BUILDING for DOLLAR TREE

N HWY 19 & CR 44

PROJECT NO: 2018.0328 DATE: 08-13-2018

DETAILS AND SCHEDULES

CHECKED: BM DRAWN: RED



INTERPLANE

ARCHITECTURE ENGINEERING INTERIOR DESIGN PROJECT MANAGEMENT

> AA 003420 CA 8660

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1673 LAKE BALDWIN LANE ORLANDO, FLORIDA 32814 PH. (407) 252-4225 LIC EB28029 PROJECT # IP18-22

NO DATE REMARKS REVISIONS

SHELL BUILDING for DOLLAR TREE

N HWY 19 & CR 44 EUSTIS, FL

PROJECT NO: 2018.0328 DATE: 08-13-2018

S3.2 DETAILS AND SCHEDULES

CHECKED: BM DRAWN: RED