

# CONSTRUCTION DOCUMENTS FOR FUEL CANOPY REPLACEMENT

880 W COWBOY WAY  
LA BELLE, FLORIDA 33935

REVISIONS


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architecture, llc  
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### REFERENCE INDICATORS

SECTION REFERENCE  
**DRAWING OR DETAIL TITLE**  
SCALE  
SECTION REFERENCE  
SHEET WHERE DETAIL IS DRAWN  
SHEET WHERE DETAIL IS CUT

BUILDING SECTION  
SECTION REFERENCE  
SHEET WHERE DETAIL IS DRAWN  
SHEET WHERE DETAIL IS CUT

BUILDING OR WALL SECTION  
BUILDING ELEVATION REFERENCE  
SHEET WHERE DETAIL IS DRAWN  
SHEET WHERE DETAIL IS CUT

SECTION REFERENCE

DETAIL REFERENCE  
DETAIL REFERENCE  
AREA SHOWN IN DETAIL  
SHEET WHERE DETAIL IS DRAWN  
SHEET WHERE DETAIL IS CUT (WITH POSSIBLE MULTIPLE LOCATIONS)

### ABBREVIATIONS

A.B.	ANCHOR BOLT	PL	PLATE
ACOUS	ACOUSTICAL	PT	PRESSURE TREATED
A.F.F.	ABOVE FINISHED FLOOR	PTD	PAINTED
ALUM	ALUMINUM	REIN	REINFORCED OR REINFORCING
APPROX	APPROXIMATELY	REQ	REQUIRED
B.E.J.	BUILDING EXPANSION JOINT	R.O.	ROUGH OPENING
B.F.E.	BASE FLOOD ELEVATION	SAT	SUSPENDED ACOUSTICAL TILE
BLDG	BUILDING	SB	SPLASHBLOCK
BRG	BEARING	SHT	SHEET
C/C	CENTER TO CENTER	SIM	SIMILAR
C.I.	CAST IRON	SQ	SQUARE
CL	CLEAR	S.S.	STAINLESS STEEL
C.M.U.	CONCRETE MASONRY UNIT	SSM	SOLID SURFACE MATERIAL
COL	COLUMN	STRUCT	STRUCTURAL
CONC	CONCRETE	STL	STEEL
C.O.	CLEAN OUT	T.B.B.	TILE BACKER BOARD
CONST.	CONSTRUCTION	T.O.B.	TOP OF BEAM
CONT.	CONTINUOUS	T.O.M.	TOP OF MASONRY
C.J.	CONTROL JOINT	TYP	TYPICAL
C.T.	CERAMIC TILE	UL	UNDERWRITERS LABORATORIES
¢	CENTERLINE	U.N.O.	UNLESS NOTED OTHERWISE
DIA	DIAMETER	V.E.J.	VENEER EXPANSION JOINT
DIM	DIMENSION	V. PL	VENEER PLASTER
DWG	DRAWING	VERT	VERTICAL
DS	DOWNSPOUT	VCT	VINYL COMPOSITE TILE
DTL	DETAIL	VIF	VERIFY IN FIELD
EA	EACH	W/	WITH
ELEC	ELECTRICAL	W.H.	WATER HEATER
ELEV	ELEVATION OR ELEVATOR	W.R.	WATER RESISTANT
E.J.	EXPANSION JOINT	WSCT	WAINSCOT
EQ	EQUAL		
ETC	ETCETERA		
E.T.R.	EXISTING TO REMAIN		
E.W.C.	ELECTRIC WATER COOLER		
EXIST	EXISTING		
EXP	EXPANSION		
F.D.	FLOOR DRAIN		
F.E.	FIRE EXTINGUISHER		
F.E.C.	FIRE EXTINGUISHER CABINET		
F.R.P.	FIBERGLASS REINFORCED PLASTIC		
F.R.T.	FIRE RETARDANT TREATMENT		
F.S.	FLOOR SINK		
GA	GAUGE		
GALV.	GALVANIZED		
G.W.B.	GYPSON WALL BOARD		
HT	HEIGHT		
HDWD	HARDWOOD		
HORIZ	HORIZONTAL		
INSUL	INSULATION		
MAX	MAXIMUM		
M.E.	MATCH EXISTING		
MEZZ	MEZZANINE		
MFR	MANUFACTURER		
MIN	MINIMUM		
M.O.	MASONRY OPENING		
N.I.C.	NOT IN CONTRACT		
NRP	NON-FIBERGLASS REINFORCED PLASTIC PANELS		
NTS	NOT TO SCALE		
OA	OVERALL		
O.C.	ON CENTER		
O.H.	OPPOSITE HAND		
P.LAM.	PLASTIC LAMINATE		

### MATERIAL LEGEND

	BATT INSULATION
	BRICK
	CONCRETE
	CONCRETE MASONRY UNIT
	EARTH
	FINISHED WOOD
	GLASS
	GRAVEL
	GYPSON BOARD OR SHEATHING
	PLYWOOD
	RIGID INSULATION
	ROUGH WOOD
	STEEL

### LEGEND OF SYMBOLS

ROOM NAME	- ROOM NAME AND NUMBER
101	- ROOM NAME AND NUMBER
202	- DOOR NUMBER
2	- KEY NOTES
A	- PARTITION TYPE
TA-2	- TOILET ACCESSORY
A	- COLUMN LINE
9'-0"	- CEILING HEIGHT
A	- WINDOW TYPE
A	- REVISION MARK
Cloud	- REVISION CLOUD

### PROJECT BUILDING CODE INFORMATION

**GENERAL INFORMATION:**  
OCCUPANCY CLASSIFICATION: UTILITY/MISCELLANEOUS (U)  
CLASSIFICATION OF WORK: REPAIR  
MONITORED SPRINKLER SYSTEM: NO  
ACCESSIBLE TO THE PHYSICALLY HANDICAP: YES  
THRESHOLD BUILDING: NO  
BUILDING WITHIN FIRE DISTRICT: -  
CONSTRUCTION TYPE: FBC: TYPE V (B)  
FFPC: TYPE V (000)

**COMPLIANCE STATEMENT:**  
THESE PLANS AND SPECIFICATIONS HAVE BEEN PREPARED BY A FLORIDA REGISTERED ARCHITECT, AND TO THE BEST OF OUR KNOWLEDGE, ARE DESIGNED IN COMPLIANCE WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE, INCLUDING SECTION 1609 FOR DESIGN WIND PRESSURES GENERATED BY AN ULTIMATE DESIGN WIND VELOCITY OF 140 MPH.

TABLE 504.3:	
ALLOWABLE HEIGHT:	40'
ACTUAL HEIGHT:	17'-0"
TABLE 504.4:	
ALLOWABLE STORIES:	ONE
ACTUAL STORIES:	ONE
TABLE 506.2:	
ALLOWABLE FLOOR AREA:	5,500 SF
ACTUAL FLOOR AREA:	1,768 SF

**WIND LOAD DESIGN CRITERIA:**  
ULTIMATE DESIGN WIND SPEED V(ult): 140 MPH  
NOMINAL DESIGN WIND SPEED V(asd): 108 MPH  
RISK CATEGORY: I  
EXPOSURE CATEGORY: C

**APPLICABLE CODES:**  
FLORIDA BUILDING CODE, 6TH EDITION (2017) (FBC)  
FLORIDA BUILDING CODE, 6TH EDITION (2017), RESIDENTIAL (FBRC)  
FLORIDA BUILDING CODE, 6TH EDITION (2017), EXISTING BUILDING (FBECB)  
FLORIDA BUILDING CODE, 6TH EDITION (2017), PLUMBING (FBPC)  
FLORIDA BUILDING CODE, 6TH EDITION (2017), MECHANICAL (FBMC)  
FLORIDA BUILDING CODE, 6TH EDITION (2017), ENERGY CONSERVATION (FBEC)  
FLORIDA BUILDING CODE, 6TH EDITION (2017), FUEL GAS (FBFGC)  
FLORIDA BUILDING CODE, 6TH EDITION (2017), ACCESSIBILITY (FBAC)  
FLORIDA FIRE PREVENTION CODE, 6TH EDITION (FFPC)  
NFPA 70 / NFPA 70A NATIONAL ELECTRICAL CODE (2014 NEC)  
LEE COUNTY LAND DEVELOPMENT CODE (LDC)  
FLORIDA STATUTES (FS)

### GENERAL NOTES

- THE CONSTRUCTION DOCUMENT PACKAGE REPRESENTS THE BASIC PROJECT SCOPE AND CONSTRUCTION REQUIREMENTS. THE CONTRACTOR, SUBCONTRACTOR AND/OR SUPPLIERS FOR THIS PROJECT SHALL EXAMINE AND BECOME FAMILIAR WITH ALL CONTRACT DOCUMENTS IN THEIR ENTIRETY. SUB-CRONTACTORS SHALL PREPARE BIDS FROM THE ENTIRE SET OF DOCUMENTS AND SHALL NOT BE ALLOWED TO BID BASED ON ONLY A PARTIAL REVIEW. ALL COSTS SUBMITTED SHALL BE BASED ON A THOROUGH KNOWLEDGE OF THE WORK AND THE MATERIALS REQUIRED. ANY DISCREPANCY AND/OR UNCERTAINTY AS TO WHAT MATERIAL OR PRODUCT IS TO BE USED SHOULD BE VERIFIED WITH OWNER OR ARCHITECT.
- UNLESS OTHERWISE INDICATED, EXTERIOR DIMENSIONS ARE TO OUTSIDE FACE OF BLOCK AND CENTERLINE OF STRUCTURAL COLUMNS. INTERIOR DIMENSIONS ARE TO FACE OF STUD OR CMU OR FACE OF EXISTING FINISHED WALL (IN EXISTING CONSTRUCTION). DIMENSIONS ARE NOMINAL AND MAY NOT REFLECT THE ACTUAL THICKNESS.
- ALL METAL STUDS SHALL BE 20 GAUGE UNLESS NOTED OTHERWISE.
- IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS REQUIRED TO COMPLETE THE WORK WITH GOOD WORKMANSHIP AND ASSURE PROPER WORKING ORDER.
- THESE PLANS ARE THE PROPERTY OF MURDB ARCHITECTURE, LLC. AND SHALL NOT BE REPRODUCED, CHANGED OR USED IN ANY WAY WITHOUT THE EXPRESSED WRITTEN CONSENT OF MURDB ARCHITECTURE, LLC.

### PROJECT LOCATION MAP

AREA OF WORK: REMOVE EXISTING DAMAGED CANOPY AND REPLACE W/ NEW

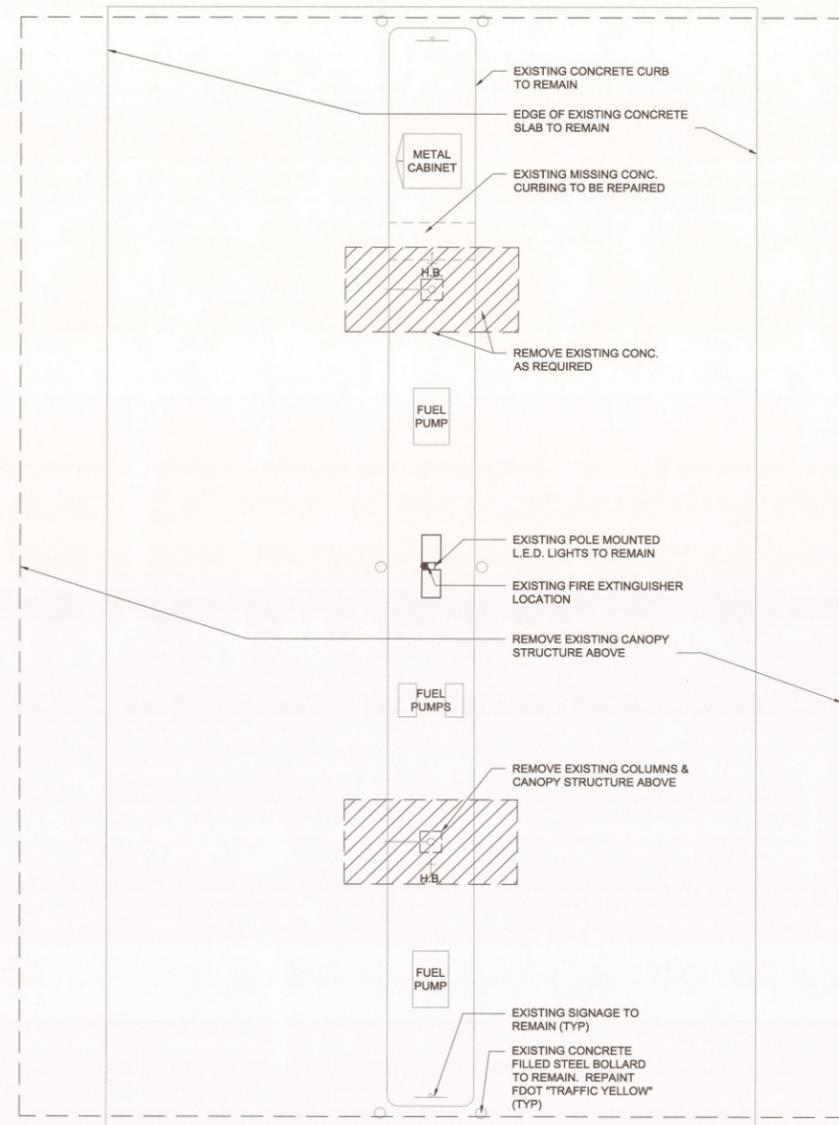
### INDEX OF DRAWINGS

ARCHITECTURAL	
A0.1	COVER SHEET & PROJECT BUILDING CODE INFORMATION
A1.0	PLANS, ELEVATIONS & PARAPET DETAIL
STRUCTURAL	
S1.0	STRUCTURAL NOTES & SPECIFICATIONS
S2.0	FOUNDATION & FRAMING PLAN
S3.0	STRUCTURAL DETAILS

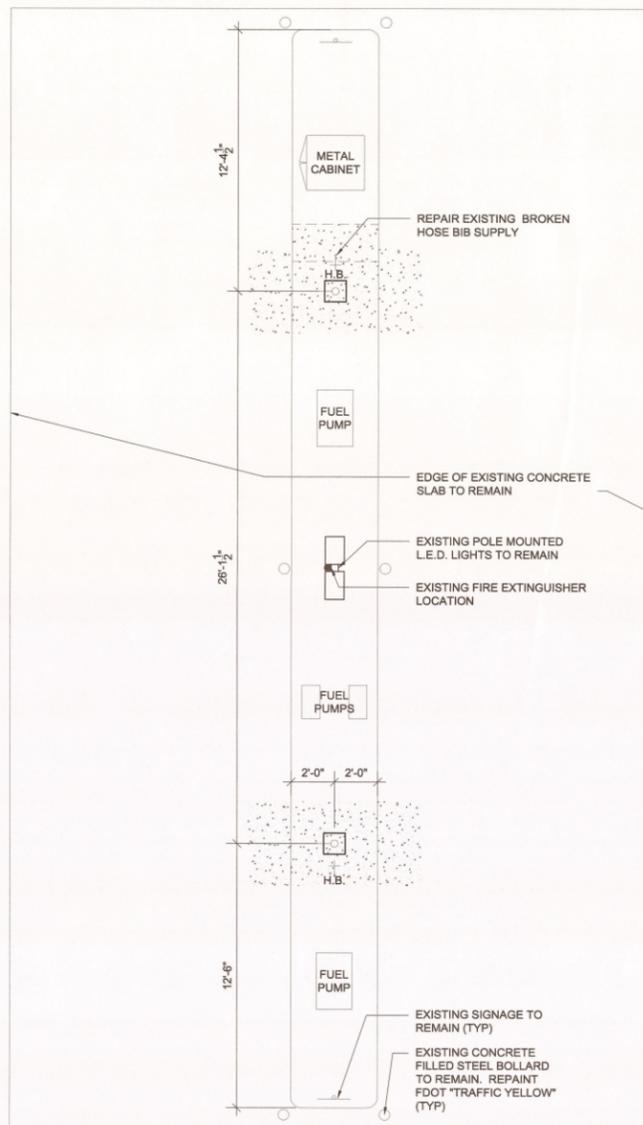
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LABELLE, FLORIDA 33935

MATTHEW R. BECHTEL  
REG. # AR95581

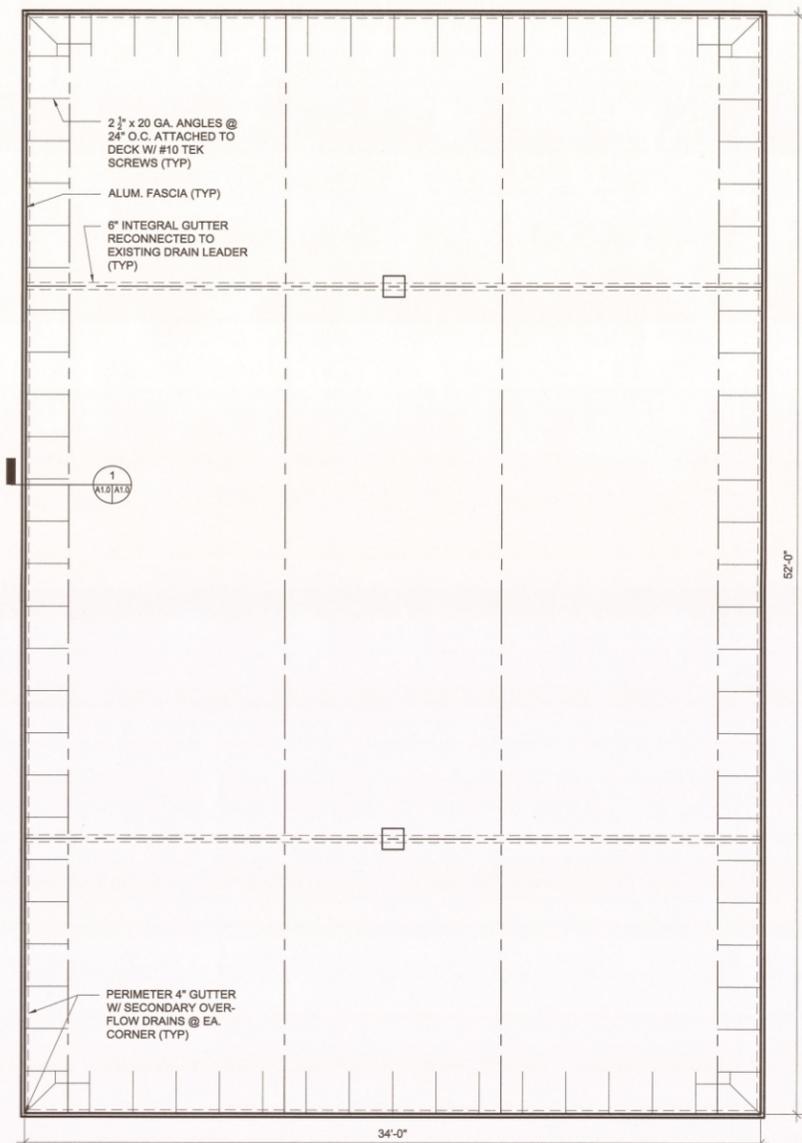
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DATE:	06/28/2018
DRAWN BY:	MRB
CAD REF:	-A0-FRONT.dwg



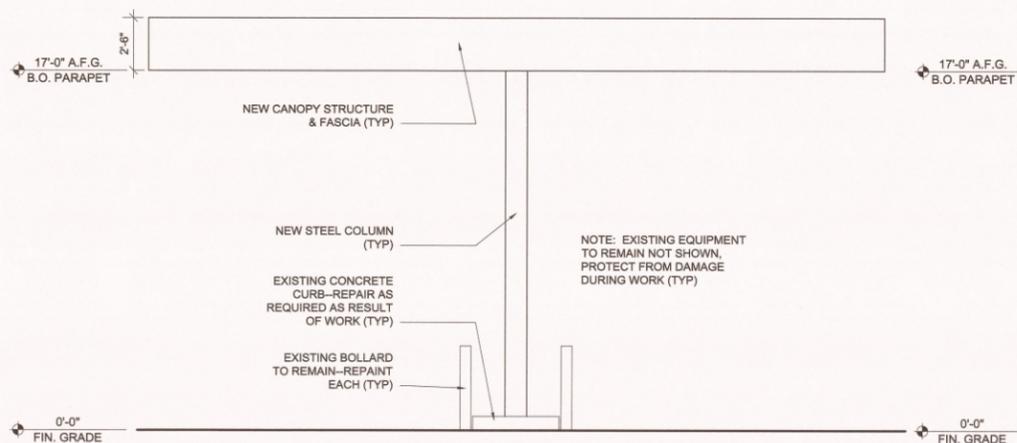
**DEMOLITION PLAN**  
SCALE: 1/4" = 1'-0"



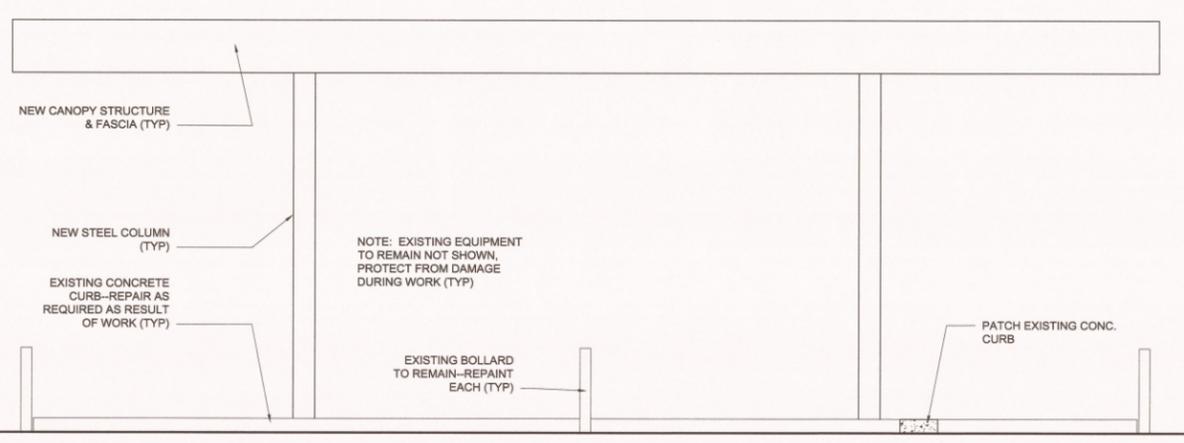
**DIMENSION PLAN**  
SCALE: 1/4" = 1'-0"



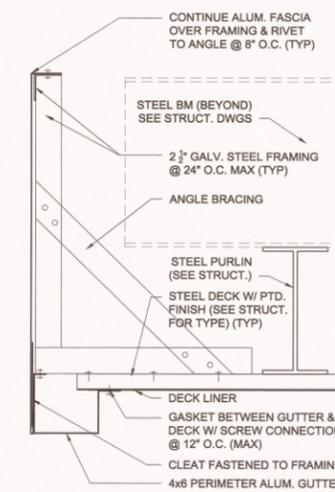
**ROOF PLAN**  
SCALE: 1/4" = 1'-0"



**TYPICAL NORTH & SOUTH ELEVATION**  
SCALE: 1/4" = 1'-0"



**TYPICAL NORTH & SOUTH ELEVATION**  
SCALE: 1/4" = 1'-0"



**1 PARAPET DETAIL**  
SCALE: 1" = 1'-0"

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REG. # AR95581

JOB: 18021

DATE: 06/28/2018

DRAWN BY: mrb

CAD REF: 021-A1-FLR.dwg

**A1.0**

**GENERAL STRUCTURAL NOTES**

**GENERAL:** DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE TYPICAL AND APPLY TO SIMILAR SITUATIONS ELSEWHERE, EXCEPT AS OTHERWISE INDICATED. ADAPT REQUIREMENTS OF DETAILS, SECTIONS, PLANS, AND NOTES AT LOCATIONS WHERE CONDITIONS ARE SIMILAR.  
CENTER ALL FOOTINGS AND PIERS UNDER COLUMNS ABOVE UNLESS SPECIFICALLY DIMENSIONED OTHERWISE.

STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR SLEEVES, DEPRESSIONS, AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.

CONTRACTOR SHALL LOCATE ALL BURIED UTILITIES PRIOR TO EXCAVATION FOR BUILDING FOUNDATIONS. THE STRUCTURAL ENGINEER SHALL BE NOTIFIED OF POTENTIAL CONFLICTS BETWEEN FOUNDATIONS AND BURIED UTILITIES.

**CODE REQUIREMENTS:** THE BUILDING STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE 2017 8th EDITION OF THE FLORIDA BUILDING CODE. FOLLOW ALL APPLICABLE PROVISIONS FOR ALL PHASES OF CONSTRUCTION. ADDITIONS ARE IN COMPLIANCE WITH THE 2017 EDITION OF THE FLORIDA EXISTING BUILDING CODE.

**TEMPORARY CONDITIONS:** THE STRUCTURAL INTEGRITY OF THE COMPLETED STRUCTURE DEPENDS ON INTERACTION OF VARIOUS CONNECTED COMPONENTS. PROVIDE ADEQUATE BRACING, SHORING, AND OTHER TEMPORARY SUPPORTS AS REQUIRED TO SAFELY COMPLETE THE WORK. THE STRUCTURE SHOWN ON THE DRAWINGS HAS BEEN DESIGNED FOR STABILITY UNDER FINAL CONFIGURATION ONLY.

**EXISTING CONDITIONS:** ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS SHALL BE FIELD VERIFIED. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY SIGNIFICANT DISCREPANCIES FROM CONDITIONS SHOWN ON THE DRAWINGS.

CONTRACTOR TO LOCATE ALL BURIED UTILITY PIPES PRIOR TO THE EXCAVATION FOR THE BUILDING FOUNDATIONS. THE STRUCTURAL ENGINEER SHALL BE NOTIFIED OF POTENTIAL CONFLICTS BETWEEN THE FOUNDATIONS AND THE BURIED UTILITY PIPES.

**DESIGN CRITERIA:** DESIGN WAS BASED ON STRENGTH AND DEFLECTION CRITERIA OF THE 2017 FLORIDA BUILDING CODE. IN ADDITION TO THE DEAD LOADS, THE FOLLOWING LOADS AND ALLOWABLES WERE USED FOR DESIGN, WITH LIVE LOADS REDUCED PER THE 2017 FBC:

ROOF: 20 PSF LL 5 PSF SDL  
WIND SPEED 140 MPH PER CHAPTER 26 ASCE 7-10  
108 MPH NOMINAL

RISK CATEGORY I  
EXPOSURE C  
INTERNAL PRESSURE COEFF 0.0 OPEN BUILDING

**FOUNDATIONS:** FOUNDATION DESIGN IS BASED ON AN ASSUMED ALLOWABLE SOIL BEARING PRESSURE OF 2000 PSF FOR SILTY SAND AND GRAVELS. FOUNDATIONS SHALL BEAR ON COMPETENT NATIVE SOIL OR COMPACTED STRUCTURAL FILL. IF QUESTIONABLE SOILS OR POTENTIALLY UNSTABLE CONDITIONS ARE ENCOUNTERED, A GEOTECHNICAL ENGINEER SHALL BE RETAINED TO INVESTIGATE AND PROVIDE RECOMMENDATIONS.

**SUBMITTALS:** SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO FABRICATION AND CONSTRUCTION REGARDING ALL STRUCTURAL ITEMS INCLUDING THE FOLLOWING:

CONCRETE MIX DESIGNS,  
CONCRETE REINFORCING,  
STRUCTURAL STEEL,  
STEEL DECK,

SHOP DRAWINGS SHALL BE REVIEWED BY THE CONTRACTOR PRIOR TO SUBMITTAL TO THE ARCHITECT/ENGINEER. DRAWINGS SUBMITTED WITHOUT REVIEW WILL BE RETURNED UNCHECKED.

IF THE SHOP DRAWINGS DIFFER FROM OR ADD TO THE DESIGN OF THE STRUCTURAL DRAWINGS, THEY SHALL BEAR THE SEAL AND SIGNATURE OF A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF FLORIDA. ANY CHANGES TO THE STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT AND ARE SUBJECT TO THE REVIEW AND ACCEPTANCE OF THE ENGINEER.

DESIGN DRAWINGS, SHOP DRAWINGS, AND CALCULATIONS FOR THE DESIGN AND FABRICATION OF ITEMS THAT ARE DESIGNED BY OTHERS, INCLUDING:

**STRUCTURAL STEEL CONNECTIONS**

SHALL BEAR THE SEAL AND SIGNATURE OF A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF FLORIDA, AND SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO FABRICATION. CALCULATIONS SHALL BE INCLUDED FOR ALL CONNECTIONS TO THE STRUCTURE, CONSIDERING LOCALIZED EFFECTS ON THE STRUCTURAL ELEMENTS INDUCED BY THE CONNECTION LOADS. DESIGN SHALL BE BASED ON THE REQUIREMENTS OF THE 2017 FBC.

SHOP DRAWINGS WILL BE REVIEWED FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT OF THE CONTRACT DOCUMENTS ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY COMPLIANCE WITH THE CONTRACT DOCUMENTS AS TO QUANTITY, LENGTH, ELEVATIONS, DIMENSIONS, ETC. CONTRACTOR SHALL NOT BE RELIEVED FROM RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS OR MIX DESIGNS BY THE ENGINEER'S REVIEW.

**CONCRETE:** REINFORCED CONCRETE CONSTRUCTION SHALL CONFORM TO THE FBC AND ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE". CONCRETE STRENGTHS SHALL BE VERIFIED BY STANDARD 28-DAY CYLINDER TESTS PER ASTM C39, AND SHALL BE AS FOLLOWS:

f<sub>c</sub> USE  
3000 PSI ALL USES

CEMENT SHALL CONFORM TO ASTM C150, TYPE 1. FLY ASH CONFORMING TO ASTM C618, TYPE F OR TYPE C, MAY BE USED TO REPLACE UP TO 20% OF THE CEMENT CONTENT, PROVIDED THAT THE MIX STRENGTH IS SUBSTANTIATED BY TEST DATA. COARSE AGGREGATE SHALL CONFORM TO ASTM C33 WITH A MAXIMUM SIZE OF 3/4". FINE AGGREGATE SHALL BE CLEAN, DURABLE, NATURAL SAND CONFORMING TO ASTM C33.

A WATER-REDUCING ADMIXTURE, IF USED, SHALL CONFORM TO ASTM C494 AND USED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, SHALL BE INCORPORATED IN CONCRETE DESIGN MIXES. A HIGH-RANGE WATER-REDUCING ADMIXTURE CONFORMING TO ASTM C494, TYPE F OR G, MAY BE USED IN CONCRETE MIXES, PROVIDING THAT THE SLUMP DOES NOT EXCEED 8".

SLEEVES, OPENINGS, CONDUIT, AND OTHER EMBEDDED ITEMS NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER BEFORE POURING. NO SLEEVE, OPENING, OR INSERT MAY BE PLACED IN BEAMS, JOISTS, OR COLUMNS UNLESS APPROVED BY THE ENGINEER. CONDUITS EMBEDDED IN SLABS SHALL NOT BE LARGER IN OUTSIDE DIMENSION THAN ONE THIRD OF THE THICKNESS OF THE SLAB AND SHALL NOT BE SPACED CLOSER THAN THREE DIAMETERS ON CENTER.

PROVIDE 3/4" CHAMFERS ON ALL EXPOSED CONCRETE EDGES, UNLESS NOTED OTHERWISE. WHERE INDICATED OR REQUIRED, SLOPE CONCRETE SLABS TO DRAINS SHOWN ON PLUMBING AND/OR ARCHITECTURAL DRAWINGS.

ALL CONCRETE SHALL BE CURED IMMEDIATELY AFTER FINISHING OPERATIONS.

**REINFORCING STEEL:** REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, FOR DEFORMED BAR AND ASTM A185 FOR SMOOTH WELDED WIRE FABRIC (WWF), UNLESS OTHERWISE NOTED. REINFORCING STEEL TO BE WELDED SHALL CONFORM TO ASTM A706. REINFORCING STEEL SHALL BE SECURELY TIED IN PLACE WITH #16 ANNEALED IRON WIRE.

ALL DETAILING AND ACCESSORIES SHALL CONFORM TO ACI DETAILING MANUAL SP-06. PROVIDE CHAIRS, SPACERS, BOLSTERS, AND ITEMS IN CONTACT WITH FORMS WITH HOT-DIP GALVANIZED LEGS OR PLASTIC LEGS. ACCURATELY POSITION, SUPPORT, AND SECURE REINFORCEMENT AGAINST DISPLACEMENT BY FORMWORK CONSTRUCTION OR CONCRETE PLACEMENT OPERATIONS. "WET-STICKING" OF REINFORCING IS PROHIBITED.

REQUIRED CONCRETE COVER FOR REINFORCING STEEL (UNLESS NOTED OTHERWISE):

FOOTINGS 3" BOTTOM AND SIDES, 2" TOP

LAP SPLICE CONTINUOUS VERTICAL OR HORIZONTAL BARS IN CONCRETE MEMBERS IN ACCORDANCE WITH ACI 318, LATEST EDITION, FOR CLASS "B" TENSION LAP SPLICES. DO NOT SPLICE CONTINUOUS TOP BARS IN BEAMS AT ENDS OF CLEAR SPANS. DO NOT SPLICE CONTINUOUS BOTTOM BARS IN BEAMS IN CLEAR SPANS BETWEEN SUPPORTS. SHOW ALL SPLICES ON SHOP DRAWINGS. SPLICE LOCATIONS AND METHODS SUBJECT TO APPROVAL OF STRUCTURAL ENGINEER.

AT SLAB RE-ENTRANT CORNERS, PROVIDE (2) #5 X 4'-0" DIAGONAL BARS. AT SLAB AND WALL OPENINGS PROVIDE A MINIMUM OF (2) #5 BARS ALL FOUR SIDES AND DIAGONALLY; EXTEND THESE BARS A LAP DISTANCE OR A MINIMUM OF 24" PAST THE OPENING OR HOOK BARS IF DISCONTINUOUS.

DOWEL ALL WALLS AND COLUMNS TO FOOTINGS WITH BAR SIZE AND SPACING TO MATCH VERTICAL REINFORCING UNLESS OTHERWISE SHOWN.

**STRUCTURAL STEEL:** STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING:  
W-SHAPES ASTM A992 GRADE 50.  
CHANNELS, PLATES AND ANGLES ASTM A36.  
RECTANGULAR AND SQUARE TUBES ASTM A500 GRADE B (F<sub>y</sub> = 46KSI).

DESIGN, FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH THE "AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".

BOLTS SHALL CONFORM TO THE ASTM SPECIFICATION FOR A325 OR A490, HIGH STRENGTH BOLTS.

WELDING SHALL CONFORM TO THE AWS CODES FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION. WELDS SHALL BE MADE USING E70XX ELECTRODES AND SHALL BE 3/16" MINIMUM UNLESS OTHERWISE NOTED. WELDING SHALL BE BY AWS CERTIFIED WELDERS. PREQUALIFIED WELDING PROCEDURES ARE TO BE USED, UNLESS AWS QUALIFICATION IS SUBMITTED TO THE ENGINEER PRIOR TO FABRICATION.

STEEL TO RECEIVE ONE SHOP COAT AND ONE FIELD TOUCH UP COAT OF APPROVED PAINT, EXCEPT WHERE GALVANIZING IS INDICATED ON THE DRAWINGS.

ALL BOLTED CONNECTIONS SHALL CONSIST OF MINIMUM 3/4 INCH DIAMETER ASTM A325 HIGH STRENGTH BOLTS. BEAM CONNECTIONS SHALL BE DESIGNED BY THE FABRICATOR FOR THE REACTIONS SHOWN ON THE PLANS. IF NOT SHOWN, THE FABRICATOR SHALL DESIGN THE BEAM CONNECTIONS TO SUPPORT AN END REACTION OF 1/2 THE ALLOWABLE UNIFORM LOAD CAPACITY WITH A MINIMUM OF 2 BOLTS.

**ANCHOR RODS:** UNLESS INDICATED OTHERWISE ON THE DRAWINGS, ANCHOR RODS SHALL BE ASTM F1554 GRADE 36 AND THE SIZE SHALL BE 1 1/2" DIA. AND SHALL EMBED INTO THE CONCRETE FOUNDATION A DISTANCE OF 1'-6" WITH A HEAVY HEX NUT AT THE EMBEDDED END.

**STEEL ROOF DECK:** STEEL ROOF DECK SHALL BE GALVANIZED AND CONFORM TO ASTM A653, STRUCTURAL QUALITY. THE GALVANIZED COATING SHALL CONFORM TO ASTM A653 G60, OR G90 WHERE LEFT PERMANENTLY EXPOSED TO WEATHER. ATTACHMENTS, CLOSURES ETC. SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

DECK WELDING SHALL BE 5/8" EFFECTIVE DIAMETER PUDDLE WELDS AT 12" O.C. AT TRANSVERSE AND PERIMETER SUPPORTS, 16" O.C. AT LONGITUDINAL SUPPORTS, AND MECHANICALLY FASTEN SIDE LAP CONNECTIONS USING #10 SELF TAPPING SCREW AT 16" O.C. UNLESS NOTED OTHERWISE ON THE DRAWINGS.

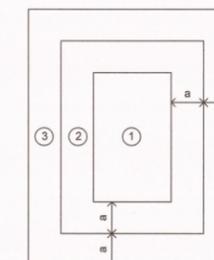
ZONE		ALLOWABLE WIND PRESSURES (PSF)		
		≤11.6 SF	TRIBUTARY AREA 11.6SF; ≤46.2SF	46.2SF >
ROOF	INTERIOR 1	23 / -21	23 / -21	23 / -21
	EDGE 2	34 / -32	34 / -32	23 / -21
	CORNER 3	45 / -63	34 / -32	23 / -21

a = 3.4 ft

- ① GENERAL UPLIFT ZONE
- ② END UPLIFT ZONE
- ③ CORNER UPLIFT ZONE

**NOTES:**

- 1. PLUS AND MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE BUILDING SURFACE
- 2. EDGE DISTANCE 'a' = 5.5'



**REVISIONS**

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architecture, llc

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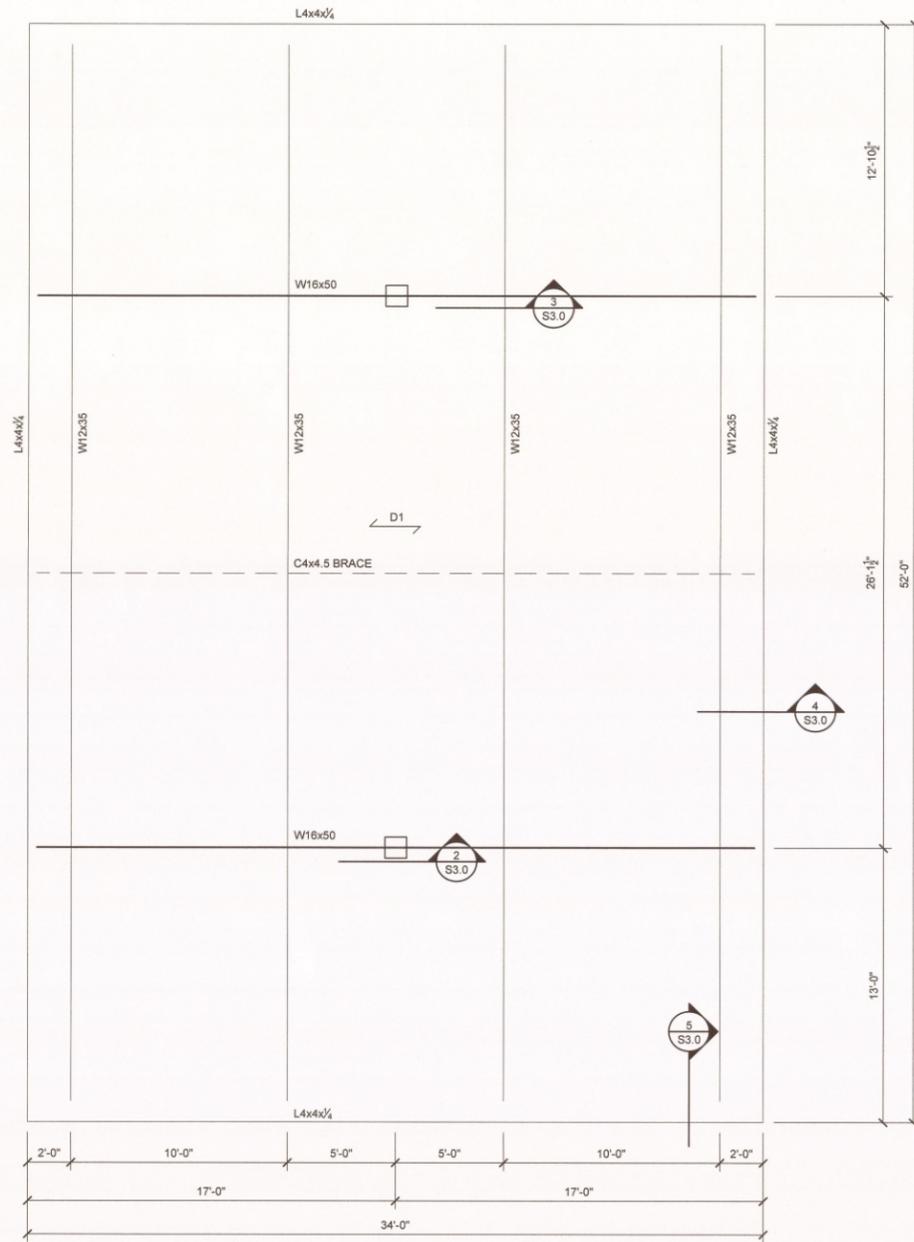
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LABELLE, FLORIDA 33935



JOB 18021  
DATE 06/29/2018  
DRAWN BY:  
CAD REF:

**SELECT STRUCTURAL**  
12573 New Brittany Blvd  
Fort Myers, Florida 33907  
Phone: (239) 210-5090  
info@selectstructural.com  
Certification Auth. 28357

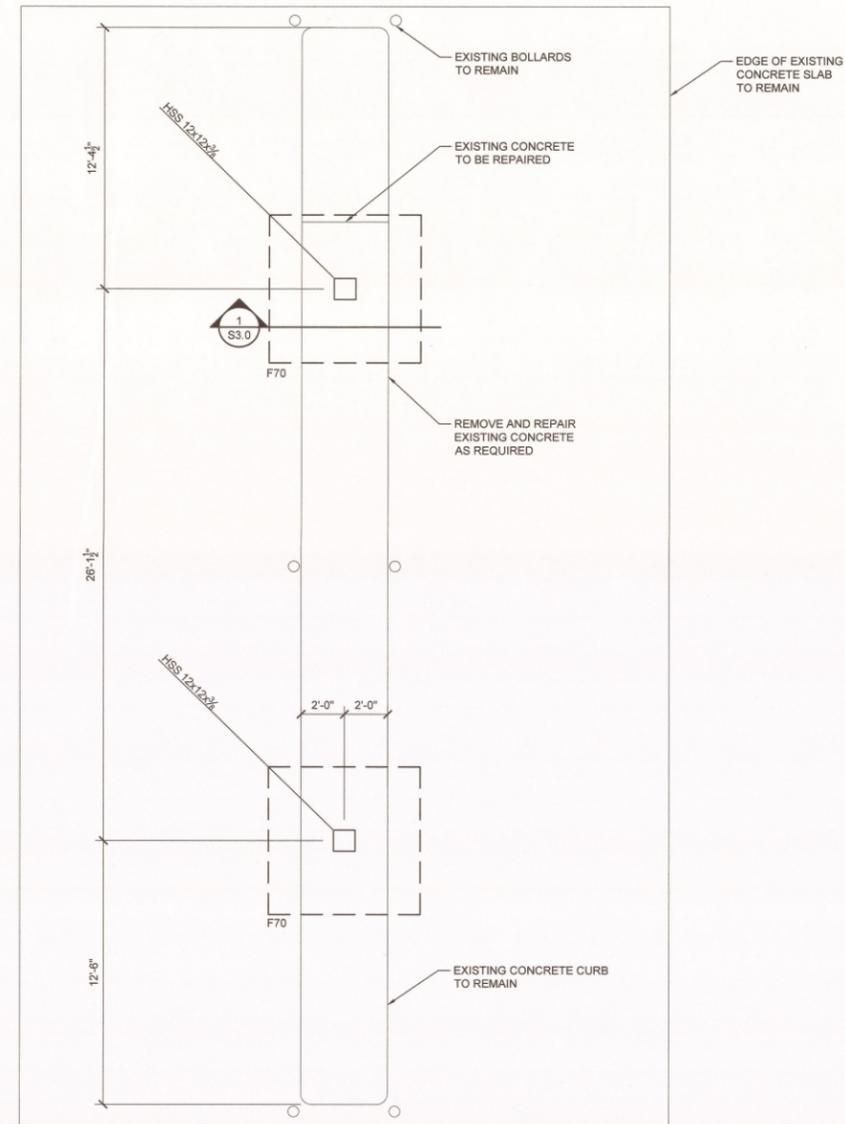
**S1.0**



**ROOF FRAMING PLAN**  
SCALE: 1/4" = 1'-0"

**ROOF FRAMING PLAN NOTES:**

- ← D-1 INDICATES SPAN DIRECTION OF 1 1/2" x 20 GA TYPE "B" ROOF DECK W/ 5/8"Ø PUDDLE WELDS IN 36/7 PATTERN W/ (3) #10 TEK SCREW SIDELAP FASTENERS PER SPAN.
- SEE MECHANICAL DRAWINGS FOR OPENINGS AND SLEEVES NOT SHOWN.
- INDICATES STRUCTURAL STEEL BEAM.
- ALL STEEL TO BE HOT DIP GALVANIZED.



**FOUNDATION PLAN**  
SCALE: 1/4" = 1'-0"

**FOUNDATION PLAN NOTES:**

- SEE SHEET S1.0 FOR GENERAL STRUCTURAL NOTES.
- SEE ARCHITECTURAL DRAWINGS FOR SLOPES, DROPS AND DRAIN LOCATION IN FLOOR SLABS.
- SEE GEOTECHNICAL RECOMMENDATIONS FOR SUBGRADE COMPACTION, VAPOR BARRIER AND DRAINAGE REQUIREMENTS.
- DO NOT SCALE DRAWINGS. VERIFY / COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS BEFORE COMMENCING CONSTRUCTION. NOTIFY STRUCTURAL ENGINEER AND ARCHITECT OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK.
- CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- VERIFY / COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS BEFORE COMMENCING CONSTRUCTION. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL DIMENSIONAL INFORMATION.
- VERIFY / COORDINATE LOCATION OF UNDERGROUND PIPING WITH FOUNDATION.
- VERIFY / COORDINATE EDGE OF SLAB DETAILS AT EXTERIOR DOORS WITH ARCHITECTURAL DRAWINGS.
- FX INDICATES FOOTING TYPE, SEE SCHEDULE THIS SHEET.
- TOP OF FOOTING IS (-)1'-6" U.N.O.

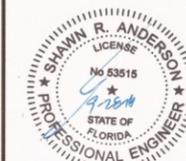
**CONCRETE FOOTING SCHEDULE**

MARK	SIZE	DEPTH	REINFORCING
F70	7'-0" x 7'-0"	2'-0"	(9) #6 EACH WAY TOP & BOTTOM



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CONSTRUCTION DOCUMENTS FOR  
**FUEL CANOPY REPLACEMENT**  
880 W COWBOY WAY  
LABELLE, FLORIDA 33935

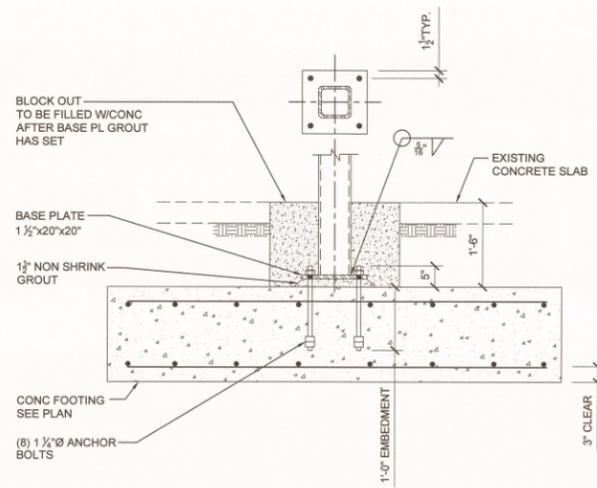


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DATE: 06/29/2018  
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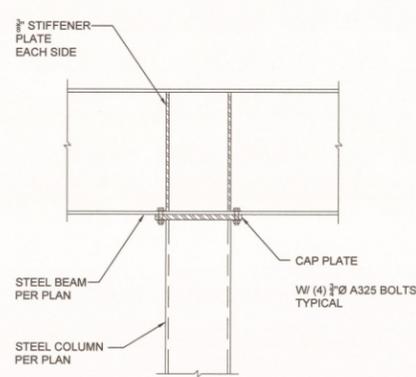
**S2.0**

REVISIONS

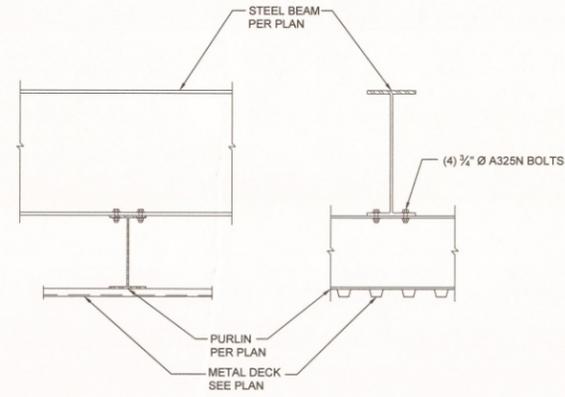

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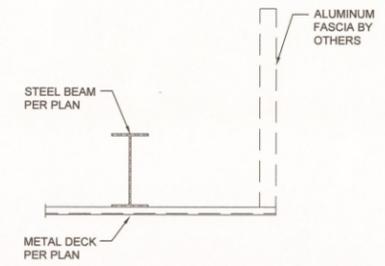
**1 HSS COLUMN DETAIL**  
SCALE: 3/4" = 1'-0"



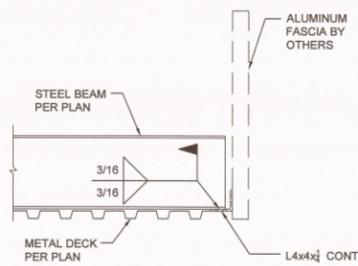
**2 STEEL BEAM TO HSS DETAIL**  
SCALE: 3/4" = 1'-0"



**3 PURLIN TO STEEL BEAM DETAIL**  
SCALE: 3/4" = 1'-0"



**4 STEEL BEAM DETAIL**  
SCALE: 3/4" = 1'-0"



**5 STEEL BEAM DETAIL**  
SCALE: 3/4" = 1'-0"

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**S3.0**

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