TREASURE COAST COMMUNITY CHURCH

Stuart, Florida

LOCATION MAP

65% CONSTRUCTION DOCUMENTS
DATE: JUNE 30, 2017

SHEET INDEX

GENERAL

G.001	COVER SHEET
G.002	NOTES/ABBREV./SYMBOLS
G.003	ADA STANDARD DETAILS
G.004	CODE SHEET AND INFORMATION PLANS
G.005	PARTITION TYPES

CIVIL

COVER SHEET	
1	HORIZONTAL CONTROL PLAN - SHEET 1
2	HORIZONTAL CONTROL PLAN - SHEET 2
3	PAVING, GRADING, & DRAINAGE PLAN & SPECIFICATIONS - SHEET 1
4	PAVING, GRADING, & DRAINAGE PLAN & SPECIFICATIONS - SHEET 2
5	PAVING, GRADING & DRAINAGE DETAILS
7	WATER & WASTEWATER PLAN - SHEET 1
8	WATER & WASTEWATER PLAN - SHEET 2
9	GRINDER STATION DETAILS & SPECIFICATIONS
10	CLEARING AND SEDIMENT & EROSION CONTROL PLAN
11	STORMWATER POLLUTION PREVENTION PLAN

ARCHITECTURE

A.201A	DIMENSION FLOOR PLAN
A.201B	CANOPY DIMENSION FLOOR PLAN
A.202A	REFERENCE PLAN
A.202B	CANOPY REFERENCE PLAN
A.203A	REFLECTED CEILING PLAN
A.203B	CANOPY REFLECTED CEILING PLAN
A.203C	REFLECTED CEILING PLAN DETAILS
A.204	FLOORING PLAN
A.205A	ROOF PLAN
A.205B	CANOPY ROOF PLAN
A.206	ENLARGED PLANS, ELEVATIONS, AND ACCESSORY LEGEND
A.207	ENLARGED PLANS AND ELEVATIONS
A.301	BUILDING ELEVATIONS
A.401	ROOM FINISH SCHEDULE AND FINISH LEGEND
A.501	BUILDING SECTIONS
A.502	BUILDING SECTIONS
A.503	BUILDING SECTIONS

ARCHITECTURAL, CONTINUED

A.504	WALL SECTIONS
A505	WALL SECTIONS

STRUCTURAL

S.000	GENERAL STRUCTURAL INFORMATION
S.001	GENERAL DETAILS AND SCHEDULES
S.101A	FOUNDATION PLAN A
S.101B	FOUNDATION PLAN B
S.201	GENERAL FOUNDATION DETAILS
S.202	FOUNDATION DETAILS
S.301A	ROOF FRAMING PLAN A
S.301B	ROOF FRAMING PLAN B
S.302	CANOPY FRAMING PLANS
S.303	CANOPY FRAMING PLANS
S.401	FRAMING GENERAL DETAILS
S.402	FRAMING GENERAL DETAILS
S.501	FRAMING DETAILS
S.502	FRAMING DETAILS
S.503	FRAMING DETAILS
S.504	FRAMING DETAILS
S.601	CANOPY DETAILS
S.701	TILT WALL PANEL ELEVATIONS
S.701	TILT WALL PANEL ELEVATIONS
S.801	PLATFORM FRAMING PLAN AND DETAILS

MECHANICAL

M-001	MECHANICAL NOTES, LEGEND & SYMBOLS
M-101	HVAC PLAN
M.201	MECHANICAL ROOF PLAN
M-301	MECHANICAL DETAILS
M-302	MECHANICAL DETAILS
M-401	MECHANICAL SCHEDULES

PLUMBING

P-101	UNDERFLOOR PLUMBING PLAN
P-201	PLUMBING PLAN
P-301	PLUMBING DETAILS
P-302	PLUMBING DETAILS
P.401	PLUMBING SCHEDULES

ELECTRICAL

E.001	ELECTRICAL NOTES & LEGEND
E.002	ELECTRICAL DETAILS
E.003	ELECTRICAL DETAILS
E.004	LIGHTING NOTES AND DETAILS
E.005	FIRE ALARM SCHEDULE AND NOTES
E.101	ELECTRICAL SITE PLAN
E.201	LIGHTING PLAN
E.202	WALKWAY LIGHTING PLAN AND LIGHTING SCHEDULE
E.203	LIGHITNG CONTROLS FLOOR PLAN
E.204	LIGHTING DETAILS
E.205	LIGHTING DETAILS
E.206	LIGHITNG DETAILS
E.207	LIGHTING DETAILS
E.301	POWER PLAN
E.401	SYSTEMS POWER PLAN
E.402	ROOF SYSTEMS POWER PLAN
E.501	ONE-LINE POWER RISER DIAGRAM
E.601	ELECTRICAL SCHEDULES
E.701	AVL AUDIO POWER PLAN
E.702	AVL DMX POWER PLAN
E.703	AVL MOTORS POWER PLAN
E.704	AVL SPEAKER POWER PLAN
E.705	AVL VIDEO POWER PLAN

SPACE

Specialized Planning & Architecture
For Church Environments
www.spacedesign.church

smallarchitects

108 South Broadway
Edmond, Oklahoma
73034

The Small Group, LLC.
a limited liability company
member - american institute of architects

voice 405.840.1111
fax 405.840.1191
www.smallarchitects.com

PREPARED BY

FRANK THOMAS SMALL
REGISTERED PROFESSIONAL ARCHITECT

NO.

Project Title: TREASURE COAST COMMUNITY CHURCH			Date: 6/21/17
			Project No.: 16.28.004
65% SUBMITTAL	Checked: FTS	Drawn: ADD	DRAWING NO.: G.001
Location: STUART, FLORIDA			

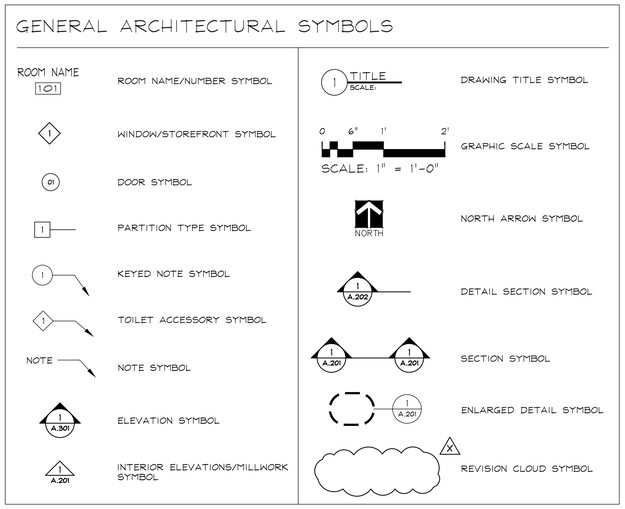
GENERAL ARCHITECTURAL NOTES

1. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY OF DISCREPANCIES IN THE DRAWINGS BETWEEN THE DRAWINGS AND THE SPECIFICATIONS, AND/OR BETWEEN THE CONSTRUCTION DOCUMENTS AND ACTUAL JOB CONDITIONS WHICH AFFECT THE EXECUTION OF THE WORK AS INDICATED.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL CONSTRUCTION WORK PERFORMED UNLESS NOTED OR INDICATED OTHERWISE IN THESE DOCUMENTS.
3. CONTRACTOR SHALL LOCATE AND LAYOUT WALLS AND PARTITIONS AS THEY RELATE TO THE STRUCTURE AND OTHER BUILDING ELEMENTS AS SHOWN IN THE CONSTRUCTION DOCUMENTS. CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE WHERE CONFLICTS OR AREAS OF INTERPRETATION NEED TO BE RESOLVED.
4. CONTRACTOR SHALL VERIFY AND CORRELATE ALL DIMENSIONS DURING THE CONSTRUCTION LAYOUT OF THE WORK. THE FOLLOWING GUIDANCE APPLIES TO DIMENSIONS USED ON THE ARCHITECTURAL DRAWINGS:
   A. THE CONTRACTOR SHALL USE DIMENSIONS INDICATED ON THE DRAWINGS.
   B. THE CONTRACTOR SHALL NOT SCALE FROM THE DRAWINGS.
   C. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF DISCREPANCIES IN DIMENSIONS SHOWN ON THE DRAWINGS IMMEDIATELY.
   D. ALL PLAN DIMENSIONS ARE TO THE STRUCTURAL GRID LINES OR TO THE CENTERLINE OF COLUMNS AND BEAMS, TO THE FINISH OF INTERIOR GYPSUM BOARD PARTITIONS, OR TO THE NOMINAL FACE OF MASONRY UNITS UNLESS NOTED OR INDICATED OTHERWISE ON THESE DOCUMENTS.
   E. ALL PLAN DIMENSIONS ON EXTERIOR WALL ASSEMBLIES ARE FROM THE ACTUAL OUTSIDE FACE OF WALL, TO THE ACTUAL INSIDE FACE OF WALL, OR TO THE FACE OF THE CONCRETE SLAB, FOOTING, ETC., UNLESS NOTED OR INDICATED OTHERWISE ON THESE DOCUMENTS.
   F. ALL OTHER MASONRY DIMENSIONS ARE INDICATED AS NOMINAL DIMENSIONS WHICH INCLUDES AN ALLOWANCE FOR 3/8" MORTAR JOINT UNLESS NOTED OR INDICATED OTHERWISE ON THESE DOCUMENTS.
   G. ALL MASONRY OPENING DIMENSIONS ARE INDICATED AS NOMINAL DIMENSIONS WHICH INCLUDES AN ALLOWANCE FOR 3/8" MORTAR JOINT UNLESS NOTED OR INDICATED OTHERWISE ON THESE DOCUMENTS.
5. THE CONTRACTOR SHALL SCRIBE GYPSUM BOARD ON FIRE AND/OR SMOKE RESISTANT PARTITIONS TO THE IRREGULARITIES OF THE STRUCTURE UNLESS NOTED OR INDICATED OTHERWISE IN THESE DOCUMENTS.
6. THE CONTRACTOR SHALL COORDINATE REQUIRED PENETRATIONS THROUGH FIRE AND/OR SMOKE RESISTANT PARTITIONS AND SEAL TIGHTLY AROUND THE PENETRATION UNLESS NOTED OR INDICATED OTHERWISE IN THESE DOCUMENTS.
7. THE CONTRACTOR SHALL FILL ANY OTHER IRREGULAR OPENINGS OR GAPS IN FIRE RESISTANT PARTITIONS AND SEAL TIGHTLY AROUND THE PENETRATION WITH AN INERT NONCOMBUSTIBLE FIRESAFING MATERIAL UNLESS NOTED OR INDICATED OTHERWISE IN THESE DOCUMENTS.
8. ALL PARTITIONS NOT EXTENDING TO THE DECK ABOVE SHALL EXTEND A MINIMUM OF 6" ABOVE THE CEILING HEIGHT AND BE BRACED TO THE STRUCTURE AT 4'-0" O.C. MINIMUM, UNLESS NOTED OR INDICATED OTHERWISE IN THESE DOCUMENTS.
9. THE CONTRACTOR SHALL PROVIDE CONCEALED FIRE-TREATED WOOD BLOCKING WHERE REQUIRED IN STUD PARTITIONS FOR THE PROPER ANCHORAGE OF WALL-ATTACHED ITEMS (I.E., GRAB BARS, TOILET ACCESSORIES, MILLWORK, ETC.) UNLESS NOTED OR INDICATED OTHERWISE IN THESE DOCUMENTS.
10. THE CONTRACTOR SHALL MAKE ALL EXTERIOR WALL/ROOF OR WALL/WALL TRANSITIONS WEATHERTIGHT AND AIRTIGHT WITH SEALANT TO MAINTAIN REQUIRED INSULATION VALUES IN THE ASSEMBLY UNLESS NOTED OR INDICATED OTHERWISE IN THESE DOCUMENTS. NO GAPS, OPENINGS OR PENETRATIONS IN THE EXTERIOR WALL OR ROOF ASSEMBLIES SHALL BE LEFT EXPOSED TO THE ELEMENTS.
11. FIRE SPRINKLER SUB-CONTRACTOR TO PROVIDE FULL DESIGN AND INSTALLATION OF THE FIRE SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13. DESIGN OF FIRE SPRINKLER SYSTEM SHALL BE BY A LICENSED FIRE PROTECTION ENGINEER.

GENERAL ARCHITECTURAL ABBREVIATIONS

A	
@	AT
A/C	AIR CONDITIONING
ACOUST	ACOUSTICAL
ACT	ACOUSTICAL CEILING TILE
AFF	ABOVE FINISH FLOOR
ALT	ALTERNATE
ALUM/AL	ALUMINUM
APPROX	APPROXIMATE
ARCH	ARCHITECT, ARCHITECTURAL
B	
BITUM	BITUMINOUS
BLDG	BUILDING
BRG	BEARING
C	
CF	CONTRACTOR FURNISHED
CG	CORNER GUARD
CI	CONTRACTOR INSTALLED
CJ	CONSTRUCTION/CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CONT	CONTINUOUS
CPT	CARPET
CT	CERAMIC TILE
D	
DIM	DIMENSION
DEFS	DIRECT-APPLIED EXTERIOR FINISH SYSTEM
DEMO	DEMOLITION
DTL	DETAIL
DWG	DRAWING
E	
EA	EACH
EIFS	EXTERIOR INSULATION & FINISH SYSTEM
ELEC	ELECTRICAL
EQ	EQUAL
EQUIP	EQUIPMENT
EXIST	EXISTING
EJ	EXPANSION JOINT
EXT	EXTERIOR
F	
FD	FLOOR DRAIN
FEB	FIRE EXTINGUISHER BRACKET
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR
FF	FINISHED FLOOR
FT	FOOT, FEET
G	
GA	GAUGE
GALV	GALVANIZED
GF	GOVERNMENT FURNISHED
GI	GOVERNMENT INSTALLED
GWB	GYPSUM WALLBOARD
GYP	GYPSUM
H	
HB	HOSE BIB
HCPD,	HANDICAPPED
HD	HAND
HDWD	HARDWOOD
HM	HOLLOW METAL
HT	HEIGHT
HVAC	HEATING, VENTILATING & AIR CONDITIONING
I	
IFOS	INSIDE FACE OF STUD INCH
IN	INSULATION
INSUL	INTERIOR
INT	
J	
JST	JOIST
K	
L	
LAV	LAVATORY
LB	POUND
LF	LINEAL FEET
M	
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MEZZ	MEZZANINE
MANUF	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTD	MOUNTED
MTL	METAL
N	
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
O	
OC	ON CENTER
OI	OWNER INSTALLED
OF	OWNER FURNISHED
OFOS	OUTSIDE FACE OF STUD
OP	OPPOSITE
OVHD	OVERHEAD
P	
PLBG	PLUMBING
PLYWD	PLYWOOD
PREFAB	PREFABRICATED
PREFIN	PREFINISHED
PROP	PROPERTY
PVC	POLYVINYL CHLORIDE
Q	
R	
RA	RETURN AIR
RB	RUBBER BASE
RD	ROOF DRAIN
RE	REFER, REFERENCE
REQD	REQUIRED
RM	ROOM
S	
SCHED	SCHEDULE
SECT	SECTION
SIM	SIMILAR
SPECS	CONTRACT SPECIFICATIONS
SS	STAINLESS STEEL
STD	STANDARD
STOR	STORAGE
STRUCT	STRUCTURAL
T	
TOC	TOP OF CONCRETE
TOP	TOP OF PARAPET
TOS	TOP OF STEEL
TYP	TYPICAL
U	
UNO	UNLESS NOTED OTHERWISE
V	
VCT	VINYL COMPOSITION TILE
VWC	VINYL WALL COVERING
W	
W/	WITH
W/O	WITHOUT
X	
Y	
Z	

GENERAL ARCHITECTURAL SYMBOLS



NOTES:

KEY PLAN:

COPYRIGHT:

The design and concepts established by these documents are the property of the Architect of Record, and may not be replicated by another architect or designer, nor constructed by this or any other owner for any project except that project for which the design was originally intended, without the express written concent of The Small Group, LLC. No part of this document may be reproduced or utilized in any form without the authorization of The Small Group, LLC. All rights reserved.

Revisions:	Date
1	
2	
3	
4	
5	
6	
7	

AVL Consultant:

Civil Engineers:
VELCON GROUP, INC.
ENGINEERS & SURVEYORS
702 SW PORT ST. LUCIE BOULEVARD
PORT ST. LUCIE, FL 34953
PHONE: 772-879-0477
EMAIL: info@velcongroup.com

MEP Engineers:
darr & collins
Consulting Engineers

Structural Engineers:
wallace
Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
410 North Walnut Avenue, Suite 200
Oklahoma City, Oklahoma 73104
405.235.5858, 800.364.5858

Planner:
HJA DESIGN STUDIO
LANDSCAPE ARCHITECTURE
50 E. Ocean Blvd.
Stuart, Florida 34994
Phone: 772-678-7200

Contractor:
J.CONROY CONSTRUCTION
Committed to Excellence Since 1979
4370 SW Cherokee Street
Palm City, Florida 34990
Phone: 772-419-3006

Seal
PRELIMINARY
NOT FOR
CONSTRUCTION

Consulting Architects:
SMALL ARCHITECTS
www.smallarchitects.com

Design Team Manager
Space

Drawing Title
NOTES/ABBREV./SYMBOLS

Project Title
TREASURE COAST COMMUNITY CHURCH

Date
JUNE 30, 2017

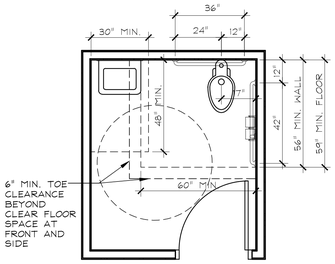
Project No.
16.28.004

Specialized Planning & Architecture for Church Environments, LLC
108 South Broadway
Edmond, Oklahoma 73034 405.840.1111

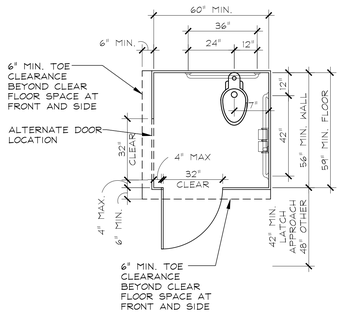
Submittal	Checked	Drawn
65% SUBMITTAL	FTS	ADD

Location
Stuart, Florida

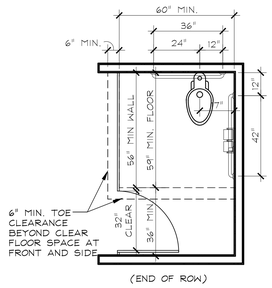
DRAWING NO.
G.002



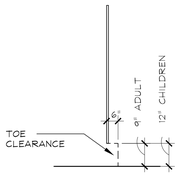
1 TYP. TOILET ROOM
SCALE: 3/8"=1'-0"



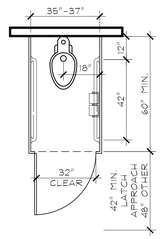
2 STANDARD STALL
SCALE: 3/8"=1'-0"



3 STANDARD STALL
SCALE: 3/8"=1'-0"

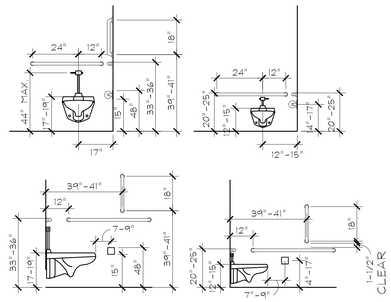


4 STALL PARTITION
SCALE: 3/8"=1'-0"



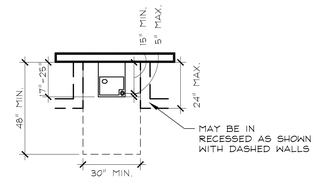
ONE AMBULATORY STALL IS REQUIRED IN ADDITION TO A W.C. ACCESSIBLE STALL IF THERE ARE 6 OR MORE FIXTURES IN ONE TOILET ROOM.

5 AMBULATORY STALL
SCALE: 3/8"=1'-0"



REFER TO ADDITIONAL CHART FOR DIFFERENT AGE GROUPS

6 STANDARD ELEVATIONS
SCALE: 3/8"=1'-0"

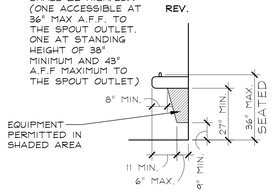


PARALLEL APPROACHES ONLY ALLOWED AT CHILDREN'S HEIGHT FOUNTAINS

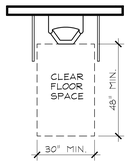
7 DRINKING FOUNTAINS
SCALE: 3/8"=1'-0"

DRINKING FOUNTAINS INSTALLED IN PAIRS SHALL BE HIGH/LOW (ONE ACCESSIBLE AT 36" MAX A.F.F. TO THE SPOUT OUTLET. ONE AT STANDING HEIGHT OF 38" MINIMUM AND 43" A.F.F MAXIMUM TO THE SPOUT OUTLET)

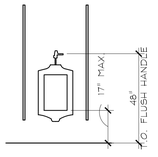
REV.



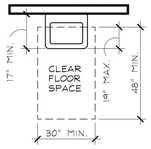
8 DRINKING FOUNTAIN
SCALE: 3/8"=1'-0"



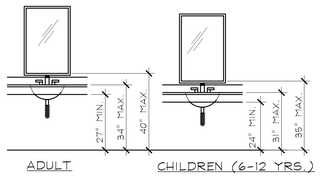
9 TYP. URINAL PLAN
SCALE: 3/8"=1'-0"



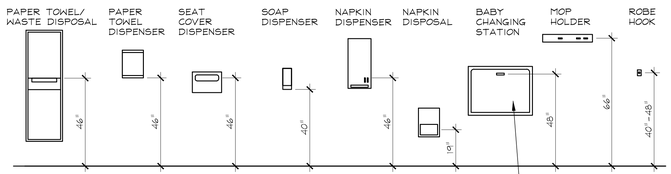
10 TYP. URINAL ELEV.
SCALE: 3/8"=1'-0"



11 TYP. LAVATORY PLAN
SCALE: 3/8"=1'-0"



12 TYP. LAVATORY ELEV.
SCALE: 3/8"=1'-0"

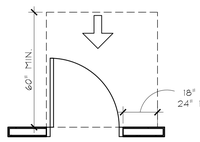


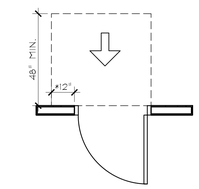
NOTE: ACCESSORIES TO BE INSTALLED SUCH THAT THE TOP OF THE CONTROLS OF THE DISPENSER/DISPOSAL ARE NO HIGHER THAN 48" ABOVE THE FINISH FLOOR.

THE TOP SURFACE OF BABY CHANGING STATIONS IN OPEN POSITION SHALL BE 28" MINIMUM AND 34" MAXIMUM AFF.

KNEE CLEARANCE IN OPEN POSITION SHALL BE 27" MINIMUM A.F.F.

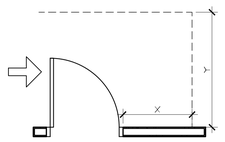
13 MISCELLANEOUS ACCESSORIES
SCALE: 3/8"=1'-0"



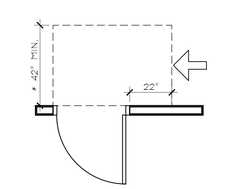


* IF DOOR HAS BOTH A CLOSER AND A LATCH.

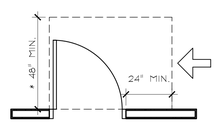
14 FRONT APPROACHES
SCALE: 3/8"=1'-0"

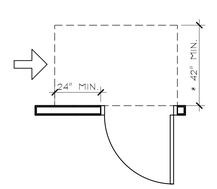


15 HINGE APPROACHES
SCALE: 3/8"=1'-0"



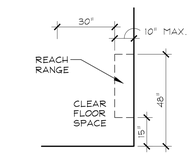
* 54" MIN. IF DOOR HAS A CLOSER.



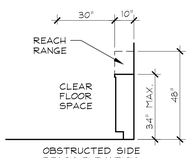


* 48" MIN. IF DOOR HAS A CLOSER.

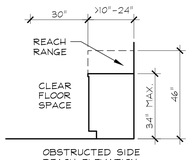
16 LATCH APPROACHES
SCALE: 3/8"=1'-0"



UNOBSTRUCTED SIDE REACH ELEVATION

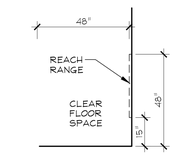


OBSTRUCTED SIDE REACH ELEVATION

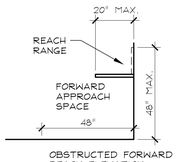


OBSTRUCTED SIDE REACH ELEVATION

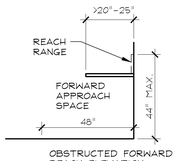
17 SIDE REACH
SCALE: 3/8"=1'-0"



UNOBSTRUCTED FORWARD REACH ELEVATION

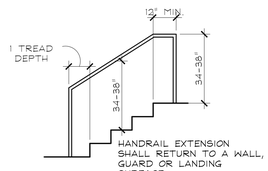


OBSTRUCTED FORWARD REACH ELEVATION



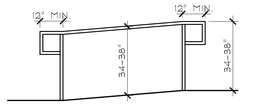
OBSTRUCTED FORWARD REACH ELEVATION

18 FORWARD REACH
SCALE: 3/8"=1'-0"



HANDRAIL EXTENSION SHALL RETURN TO A WALL, GUARD OR LANDING SURFACE.

STAIR HANDRAIL EXTENSIONS



HANDRAIL EXTENSION SHALL RETURN TO A WALL, GUARD OR LANDING SURFACE.

RAMP HANDRAIL EXTENSIONS

HANDRAILS SHALL BE AT A CONSISTENT HEIGHT OF 34" MINIMUM AND 38" MAXIMUM TO THE TOP OF THE GRIPPING SURFACE

19 HANDRAIL EXTENSIONS
SCALE: 3/8"=1'-0"

ADVISORY CHILDREN'S SPECIFICATIONS:

	AGES		
	3-4	5-8	9-12
WATER CLOSET ℄	12"	12"-15"	15"-18"
TOILET SEAT HEIGHT	11-12"	12-15"	15-17"
GRAB BAR HEIGHT	18-20"	20-25"	25-27"
DISPENSER HEIGHT	14"	14-17"	17-19"
REACH RANGE AFF	20"-36"	18"-40"	16"-44"

ACCESSIBLE PARKING SPACES:

TOTAL IN LOT	ACCESSIBLE REQ.
1-25	1
26-50	2
51-75	3
76-100	4
101-150	5
151-200	6
201-300	7
301-400	8
401-500	9
501-1000	2% OF TOTAL
1001 AND OVER	20, PLUS 1 FOR EACH 100 OVER 1,000.

* 1 IN EVERY 6 ACCESSIBLE SPACES, BUT NOT LESS THAN 1 SHALL BE DESIGNATED AS "VAN ACCESSIBLE"

ASSEMBLY AREAS:

TOTAL SEATING	ACCESSIBLE REQ.
4-25	1
26-50	2
51-150	4
151-300	5
301-500	6
501-5000	6, PLUS 1 FOR EVERY 150 ADDITIONAL SEATS
5001 AND OVER	36, PLUS 1 FOR EVERY 200 ADDITIONAL SEATS

NOTES:

KEY PLAN:

COPYRIGHT:

The design and concepts established by these documents are the property of the Architect of Record, and may not be replicated by another architect or designer, nor constructed by this or any other owner for any project except that project for which the design was originally intended, without the express written concent of The Small Group, LLC. No part of this document may be reproduced or utilized in any form without the authorization of The Small Group, LLC. All rights reserved.

Revisions: | Date

AVL Consultant:

Civil Engineers:
VELCON GROUP, INC.
ENGINEERS & SURVEYORS
702 SW PORT ST. LUCIE BOULEVARD
PORT ST. LUCIE, FL 34953
PHONE: 772-879-0477
EMAIL: info@velcongroup.com

MEP Engineers:
darr & collins
Consulting Engineers
1000 NW 57th Ct.
Miami, Florida 33126
phone (305) 266-2400 fax (305) 266-2444
a Siebel Belfry company

Structural Engineers:
wallace
Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
410 North Walnut Avenue, Suite 200
Oklahoma City, Oklahoma 73104
405.235.5858, 800.364.5858

Planner:
HJA DESIGN STUDIO
LANDSCAPE ARCHITECTURE
50 E. Ocean Blvd.
Stuart, Florida 34994
Phone: 772-678-7200

Contractor:
J.CONROY CONSTRUCTION
Committed to Excellence Since 1979
4370 SW Cherokee Street
Palm City, Florida 34990
Phone: 772-419-3006

Seal
PRELIMINARY
NOT FOR
CONSTRUCTION

Consulting Architects:
SMALL ARCHITECTS
www.smallarchitects.com

Design Team Manager
Space

Drawing Title
ADA STANDARD DETAILS

Project Title
TREASURE COAST COMMUNITY CHURCH

Date
JUNE 30, 2017

Project No.
16.28.004

Specialized Planning & Architecture for Church Environments, LLC
108 South Broadway
Edmond, Oklahoma 73034
405.840.1111

Submittal: 65% SUBMITTAL
Checked: FTS
Drawn: ADD

Location
Stuart, Florida

DRAWING NO.
G.003

BUILDING CODE SUMMARY

LOCATION: STUART, FLORIDA

1. ALL CONSTRUCTION TO COMPLY WITH THE FLORIDA BUILDING CODE 2014 EDITION.
2. PLUMBING CONSTRUCTION TO COMPLY WITH THE FLORIDA BUILDING CODE PLUMBING, 2014 EDITION.
3. MECHANICAL CONSTRUCTION TO COMPLY WITH THE FLORIDA BUILDING CODE MECHANICAL, 2014 EDITION.
4. ELECTRICAL CONSTRUCTION TO COMPLY WITH THE NATIONAL ELECTRIC CODE, 2005 EDITION.
5. FLORIDA FIRE PREVENTION CODE, 2007 EDITION.
6. FLORIDA FUEL GAS CODE, 2014 EDITION.

PROJECT INFORMATION

PROJECT NAME:	TREASURE COAST COMMUNITY CHURCH
PROJECT ADDRESS:	20 NE DIXIE HWY, STUART FL, 34994
ARCHITECT OF RECORD:	THOMAS SMALL, AIA (TX. LICENSE #12572) THE SMALL GROUP, LLC 108 SOUTH BROADWAY EDMOND, OKLA. 73034 405.840.1111 (TELEPHONE)

FIRE RESISTANCE RATINGS

FIRE WALLS (705)
EACH PORTION OF THE BUILDING SEPARATED BY ONE OR MORE FIRE WALLS THAT COMPLY WITH THE PROVISIONS OF THIS SECTION SHALL BE CONSIDERED A SEPARATE BUILDING.

FIRE WALL FIRE-RESISTANCE RATINGS (TABLE 705.4 EXCEPTION a)
GROUP A AND B SHALL BE 2 HOURS IN TYPE II CONSTRUCTION.

HORIZONTAL CONTINUITY (705.5 EXCEPTION 3)
FIRE WALLS SHALL BE PERMITTED TO TERMINATE AT THE INTERIOR SURFACE OF NON-COMBUSTIBLE EXTERIOR SHEATHING WHERE THE BUILDING ON EACH SIDE OF THE FIRE WALL PROTECTED WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 OR 903.3.1.2.

VERTICAL CONTINUITY (705.6 EXCEPTION 3)
WALLS SHALL BE PERMITTED TO TERMINATE AT THE UNDERSIDE OF NONCOMBUSTIBLE ROOF SHEATHING, DECK, OR SLABS WHERE BOTH BUILDINGS ARE PROVIDED WITH NOT LESS THAN A CLASS B ROOF COVERING. OPENINGS IN THE ROOF SHALL NOT BE LOCATED WITHIN 4 FEET OF THE FIRE WALL.

OPENINGS (705.8)
EACH OPENING THROUGH A FIRE WALL SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 715.4 AND SHALL NOT EXCEED 120 SQUARE FEET. THE AGGREGATE WIDTH OF OPENING AT ANY FLOOR LEVEL SHALL NOT EXCEED 25 PERCENT OF THE LENGTH OF THE WALL.
EXCEPTION 2 - OPENINGS SHALL NOT BE LIMITED TO 120 SQUARE FEET WHERE BOTH BUILDINGS ARE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1.

ALL ROOFING AND SIDING MATERIALS ARE UL CLASS "A" RATED.

1. ALL INTERIOR FINISHES ARE IN COMPLIANCE WITH SECTION 803.
2. EXTERIOR WALL OPENINGS SHALL COMPLY WITH TABLE 704.8.

BUILDING DATA:

(CODE REFERENCES ARE FBC-2014)

BUILDING USE GROUPS:
- ASSEMBLY A-3 - 14,619 SF (GROSS)
- BUSINESS - 779 SF
- EDUCATION - 1,543 SF
- SHELL SPACE - 5,589 SF
- ACCESSORY SPACES - 9,782 SF
- TOTAL AREA: 32,312 SF

CONSTRUCTION TYPE: (602.2) TYPE IIB-UNPROTECTED

FIRE SPRINKLER SYSTEM: YES

ALLOWABLE BUILDING HEIGHT (TABLE 503) = 55'
ACTUAL BUILDING HEIGHT = 34'-0"

ALLOWABLE NUMBER OF STORIES (TABLE 503) = 3
ACTUAL NUMBER OF STORIES = 1 STORY

ALLOWABLE BUILDING AREA 503 =
A = {9,500+(9,500X0.75)+(9,500x2) = 35,625 SF.
If = [710/710-0.25]30/30 = 0.75
ACTUAL BUILDING AREA = 32,312 SF

FIRE RESISTANCE RATINGS (TABLE 601):
NO RATINGS REQUIRED

INTERIOR EXIT STAIRWAYS (1023)
(1023.1) INTERIOR EXIT STAIRWAYS SHALL BE ENCLOSED AND LEAD DIRECTLY TO THE EXTERIOR OF THE BUILDING.

(1023.2) INTERIOR EXIT STAIRWAY ENCLOSURES SHALL HAVE A FIRE RESISTANCE RATING OF NOT LESS THAN 1 HOUR WHERE CONNECTING LESS THAN FOUR STORIES.

OCCUPANT LOADS

BUILDING #1:
(TABLE 1004.1.2)

BUSINESS AREAS =	7.8 OCCUPANTS
ASSEMBLY (NON-FIXED SEATING)=	1,995 OCCUPANTS
PLATFORM =	89.8 OCCUPANTS
ACCESSORY STORAGE, MECHANICAL =	68.9 OCCUPANTS
TOTAL OCCUPANTS:	2,161.5 OCCUPANTS

REQUIRED EXITS: (TABLE 1019.1): MINIMUM 3 EXITS REQUIRED (10 EXITS PROVIDED)

TOTAL EGRESS WIDTH: 0.2(TABLE 1005.1) 2161.5 = 432.3" (544" TOTAL WIDTH PROVIDED)

VOICE EVAC SYSTEM

PER 907.2.1.1 THE FIRE ALARM SHALL INITIATE A SIGNAL USING AN EMERGENCY VOICE/COMMUNICATIONS ALARM SYSTEM IN ACCORDANCE WITH SECTION 907.5.2.2.

ASSISTIVE LISTENING DEVICES

FOUR SIGNS SHALL BE PROVIDED, AT LOCATIONS SHOWN ON SIGNAGE PLAN AT ENTRANCES TO THE AUDITORIUM, STATING "ASSISTIVE-LISTENING SYSTEMS AVAILABLE" WITH THE INTERNATIONAL SYMBOL OF ACCESS FOR HEARING LOSS.

ASSISTIVE LISTENING DEVICES SHALL BE PROVIDED IN ACCORDANCE WITH FLORIDA ACCESSIBILITY CODE TABLE 219.3. 912 SEATS IN AUDITORIUM REQUIRES A MINIMUM OF 33 ASSISTIVE LISTENING DEVICES TO BE PROVIDED AND INSTALLED BY G.C. 9 OF THOSE RECEIVERS ARE TO BE HEARING-AID COMPATIBLE AS REQUIRED BY CODE.

PLUMBING CODE

(TABLE 403.1)

ARCHITECT REQUESTS THAT REVIEW OFFICIALS APPLY THE EXCEPTION TO SECTION 1004.1.2 AND A DESIGN OCCUPANT LOAD AS FOLLOWS WHEN CALCULATING THE REQUIRED NUMBER OF PLUMBING FIXTURES

912 OCCUPANTS IN AUDITORIUM (SEAT COUNT)
89.8 OCCUPANTS ON PLATFORM IN AUDITORIUM
69.6 OCCUPANTS IN CLASSROOMS
1,071 - DESIGN OCCUPANT LOAD (PLUMBING FIXTURES ONLY)

OCCUPANCY	MEN'S	WOMEN'S	LAVATORIES
TOTAL REQ.	4 FIXT.	8 FIXT.	3 EACH SEX
*TOTAL PROV.	2 FIXT. 2 URINALS	9 FIXT. *	3 MEN 6 WOMEN

* 2 UNISEX TOILETS ARE PROVIDED IN ADDITION TO THE TOTAL PLUMBING COUNT LISTED ABOVE. PER IBC 403.1.2 THESE FIXTURES ARE ALLOWED TO COUNT TOWARDS EITHER THE MEN'S OR WOMEN'S REQUIRED WATER CLOSETS. THIS WOULD BRING THE WOMEN'S TOILET COUNT UP TO ENOUGH FIXTURES TO MEET CODE REQUIREMENTS.

** 2 DRINKING FOUNTAINS AND 1 SERVICE SINK ARE INCLUDED IN ADDITION TO THE TOTAL PLUMBING COUNT LISTED ABOVE

FIRE EXTINGUISHERS

4 FIRE EXTINGUISHERS REQUIRED.
4 FIRE EXTINGUISHERS PROVIDED.

UL#'S REFERENCED IN DRAWINGS

WALL FIREPROOFING:

UL# U415 SYSTEM C - 2 HOUR RATED GYP. BOARD SHAFT WALL.
DESIGN BASED ON USG SYSTEM RAL-OT-04-020.
UL# U419 - 2 HOUR RATED GYP. BOARD WALL.
DESIGN BASED ON USG SYSTEM 840817.
UL# U425 - 1 HOUR RATED EXTERIOR METAL STUD AND EIFS WALL.
UL# U905 - 2 HOUR RATED CMU WALL

COLUMN FIREPROOFING:

UL# X528 - 2 HOUR RATED GYP. BOARD WRAPPED COLUMN.

SPRAY ON FIREPROOFING:

UL# N706 - 2 HOUR SPRAY FIREPROOFING FOR BEAMS.
UL# P701 - 2 HOUR SPRAY FIREPROOFING FOR JOISTS.

JOINTS:

UL# HW-S-0002 - 2 HOUR RATED GYP. WALL TO ROOF DECK
UL# HW-S-0004 - 2 HOUR RATED GYP. WALL TO SPRAYED BEAM
UL# WW-S-0004 - 2 HOUR RATED GYP. WALL TO CMU WALL
UL# WW-S-0020 - 2 HOUR RATED GYP. WALL TO CMU WALL.

THRU WALL PENETRATIONS:

UL# W-J-1030 - METALLIC PIPE PENETRATIONS THRU CMU WALL.
UL# W-J-2006 - NON-METALLIC PIPE (4" MAX) THRU CMU WALL.
UL# W-L-1001 - METALLIC PIPE PENETRATIONS THRU GYP. WALL.
UL# W-L-2003 - NON METALLIC PIPE (2" MAX) THRU GYP. WALL.
UL# W-L-2004 -NON-METALLIC PIPE (4" MAX) THRU GYP. WALL.

* CONTRACTOR TO INFORM ARCHITECT IF FIELD CONDITIONS ARISE THAT REQUIRE CHANGES FROM UL#'S SELECTED.

NOTES:

LEGEND

- A-3 (ASSEMBLY)
- B (BUSINESS)
- (E) EDUCATION

NORTH
1 EGRESS PLAN
SCALE: 1/16"= 1'-0"

KEY PLAN:

COPYRIGHT:

The design and concepts established by these documents are the property of the Architect of Record, and may not be replicated by another architect or designer, nor constructed by this or any other owner for any project except that project for which the design was originally intended, without the express written concent of The Small Group, LLC. No part of this document may be reproduced or utilized in any form without the authorization of The Small Group, LLC. All rights reserved.

Revisions:		Date
1		
2		
3		
4		
5		
6		
7		

AVL Consultant:

Civil Engineers:
VELCON GROUP, INC.
ENGINEERS & SURVEYORS
702 SW PORT ST. LUCIE BOULEVARD
PORT ST. LUCIE, FL 34953
PHONE: 772-879-0477
EMAIL: info@velcongroup.com

MEP Engineers:
darr & collins
Consulting Engineers
1425 N.W. 150th St.
Edmond, Oklahoma 73013
phone (405) 285-2400 • fax (405) 285-2444
a limited liability company

Structural Engineers:
wallace
Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
410 North Walnut Avenue, Suite 200
Oklahoma City, Oklahoma 73104
405.236.5858, 800.364.5858

Planner:
HJA DESIGN STUDIO
LANDSCAPE ARCHITECTURE
50 E. Ocean Blvd.
Stuart, Florida 34994
Phone: 772-678-7200

Contractor:
JCC J.CONROY CONSTRUCTION
Committed to Excellence Since 1979
4370 SW Cherokee Street
Palm City, Florida 34990
Phone: 772-419-3006

Seal
PRELIMINARY
NOT FOR
CONSTRUCTION

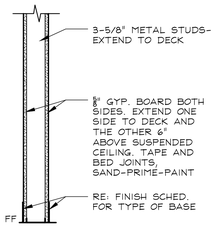
Consulting Architects:
SMALL ARCHITECTS
www.smallarchitects.com

Design Team Manager
Space
Specialized Planning & Architecture for Church Environments, LLC
108 South Broadway
Edmond, Oklahoma 73034 405.840.1111

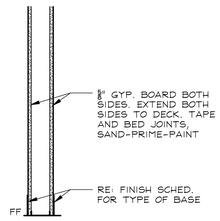
Drawing Title: CODE SHEET AND INFORMATION PLANS

Project Title: TREASURE COAST COMMUNITY CHURCH

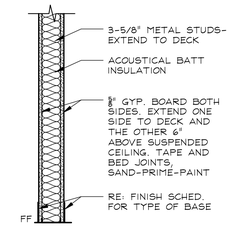
Date	Project No.	Submittal	Checked	Drawn	Location	DRAWING NO.
JUNE 30, 2017	16.28.004	65% SUBMITTAL	FTS	ADD	Stuart, Florida	G.004



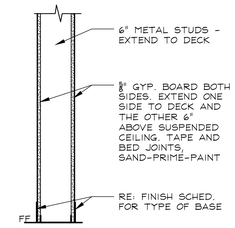
1 PARTITION TYPE
SCALE:1"=1'-0"



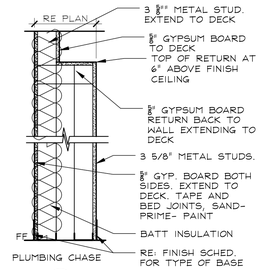
2 PARTITION TYPE
SCALE:1"=1'-0"



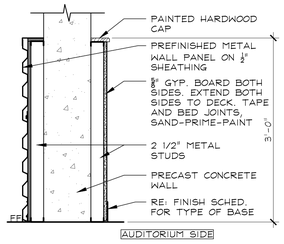
3 PARTITION TYPE
SCALE:1"=1'-0"



4 PARTITION TYPE
SCALE:1"=1'-0"

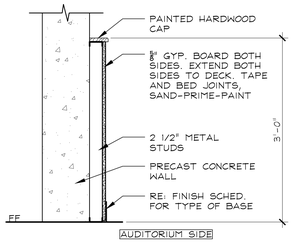


5 PARTITION TYPE
SCALE:1"=1'-0"



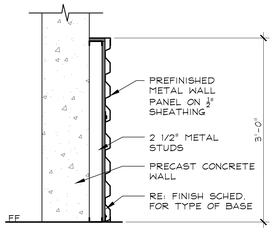
AUDITORIUM SIDE

6 PARTITION TYPE
SCALE:1"=1'-0"

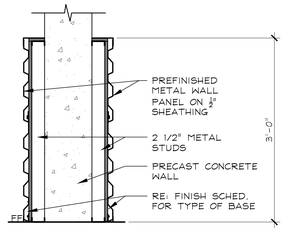


AUDITORIUM SIDE

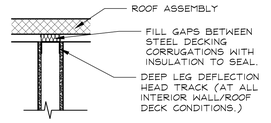
7 PARTITION TYPE
SCALE:1"=1'-0"



8 PARTITION TYPE
SCALE:1"=1'-0"



9 PARTITION TYPE
SCALE:1"=1'-0"



A TYPICAL HEAD DETAIL
SCALE:1"=1'-0"

NOTE: AT ALL CONDITIONS WHERE PARTITIONS ARE EXPOSED TO STRUCTURE IN PUBLIC SPACES (I.E., CORRIDORS, LOBBIES, CLASSROOMS, ECT.) ALL PENETRATIONS THROUGH GYP. BOARD ARE TO BE SCRIBED AND SEALED PRIOR TO THE APPLICATION OF FINISHES.

METAL STUD SCHEDULE (INTERIOR FRAMING LIMITING HEIGHTS)

DESIGN LIMIT: 5 PSF
ALLOWABLE DEFLECTION: L/240

STUD DEPTH	STUD SPACING	(18 MIL) 25 GAUGE	(33 MIL) 20 GAUGE	(43 MIL) 18 GAUGE	(54 MIL) 16 GAUGE
1-5/8" (1625125)	12"	8'-10"	10'-4	-	-
1-5/8" (1625125)	16"	8'-4"	9'-8"	-	-
1-5/8" (1625125)	24"	7'-11"	8'-9"	-	-
2-1/2" (2505125)	12"	11'-11"	13'-11"	-	-
2-1/2" (2505125)	16"	11'-3"	12'-10"	-	-
2-1/2" (2505125)	24"	10'-7"	11'-7"	-	-
3-5/8" (3625162)	12"	14'-3"	20'-5"	-	-
3-5/8" (3625125)	16"	12'-5"	16'-5"	-	-
3-5/8" (3625125)	24"	11'-0"	14'-9"	-	-
4" (4005125)	12"	16'-5"	19'-11"	-	-
4" (4005125)	16"	15'-4"	18'-4"	-	-
4" (4005125)	24"	14'-2"	16'-5"	-	-
6" (6005125)	12"	22'-1"	26'-9"	30'-7"	32'-6"
6" (6005125)	16"	29'-9"	24'-6"	28'-3"	30'-0"
6" (6005125)	24"	16'-9"	21'-7"	25'-7"	27'-0"
8" (8005125)	12"	-	-	37'-6"	40'-0"
8" (8005125)	16"	-	-	34'-4"	36'-8"
8" (8005125)	24"	-	-	30'-6"	32'-6"

NOTES:
1. METAL STUD SCHEDULE CREATED FROM THE SSMA 2009/2012 IBC INTERIOR WALL LIMITING HEIGHTS-NONCOMPOSITE CHART.
2. THIS INFORMATION SHOULD BE USED AS REFERENCE ONLY. REFER TO ACTUAL MANUFACTURER RECOMMENDED LIMITS.
3. THE NUMBER FOLLOWING THE STUD DEPTH IS NEW INDUSTRY-WIDE IDENTIFICATION, CREATED BY THE STEEL STUD MANUFACTURERS ASSOCIATION. THE NUMBER IDENTIFIES THE MEMBER DEPTH, STYLE, FLANGE WIDTH IN MILS.
4. LIMITING HEIGHTS APPLY TO WALLS CONSTRUCTED WITH MINIMUM 1/2" THICKNESS OF GYPSUM BOARD AND WITH A MINIMUM OF ONE FULL-HEIGHT LAYER ON BOTH SIDES OF THE STUD FRAMING.
5. LIMITING HEIGHTS ARE BASED ON TESTS CONDUCTED WITH GYPSUM BOARD ATTACHED WITH SCREWS SPACED 12" O.C. TO FRAMING MEMBERS.

NOTES:

KEY PLAN:

COPYRIGHT:

The design and concepts established by these documents are the property of the Architect of Record, and may not be replicated by another architect or designer, nor constructed by this or any other owner for any project except that project for which the design was originally intended, without the express written concent of The Small Group, LLC. No part of this document may be reproduced or utilized in any form without the authorization of The Small Group, LLC. All rights reserved.

Revisions: | Date

AVL Consultant:

Civil Engineers:
VELCON GROUP, INC.
ENGINEERS & SURVEYORS
702 SW PORT ST. LUCIE BOULEVARD
PORT ST. LUCIE, FL 34953
PHONE: 772-879-0477
EMAIL: info@velcongroup.com

MEP Engineers:
darr & collins
Consulting Engineers
1400 Fifth, 2000 N.
Edmond, Oklahoma 73034
phone (405) 285-8400 fax (405) 285-8444
a limited liability company

Structural Engineers:
wallace
Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
410 North Walnut Avenue, Suite 200
Oklahoma City, Oklahoma 73104
405.236.5858, 800.364.5858

Planner:
HJA DESIGN STUDIO
LANDSCAPE ARCHITECTURE
50 E. Ocean Blvd.
Stuart, Florida 34994
Phone: 772-678-7200

Contractor:
J.CONROY CONSTRUCTION
Committed to Excellence Since 1979
4370 SW Cherokee Street
Palm City, Florida 34990
Phone: 772-419-3006

Seal
PRELIMINARY
NOT FOR
CONSTRUCTION

Consulting Architects:
SMALL ARCHITECTS
www.smallarchitects.com

Design Team Manager
Space

Drawing Title
PARTITION TYPES

Project Title
TREASURE COAST COMMUNITY CHURCH

Date
JUNE 30, 2017

Project No.
16.28.004

Specialized Planning & Architecture for Church Environments, LLC
108 South Broadway
Edmond, Oklahoma 73034
405.840.1111

Submittal: 65% SUBMITTAL
Checked: FTS
Drawn: ADD

Location
Stuart, Florida

DRAWING NO.
G.005

TREASURE COAST COMMUNITY CHURCH

CIVIL CONSTRUCTION PLANS & SPECIFICATIONS
SECTION 32, TOWNSHIP 37 S, RANGE 41 E
CITY OF STUART, FLORIDA

LEGAL DESCRIPTION:

THE EAST HALF OF THE NORTH HALF OF GOVERNMENT LOT 1, IN SECTION 32, TOWNSHIP 37 SOUTH, RANGE 41 EAST, LYING SOUTH OF THE SOUTH RIGHT OF WAY LINE OF STATE ROAD A1A (NOW STATE ROAD 707), AND LYING NORTH OF THE NORTH RIGHT OF WAY LINE OF THE FLORIDA EAST COAST RAILWAY. LESS THE EAST 73.99 FEET THEREOF, SAID PROPERTY LYING AND BEING IN MARTIN COUNTY, FLORIDA.

LESS AND EXCEPT A CERTAIN PARCEL PURSUANT TO AN ORDER OF MARTIN COUNTY CIRCUIT COURT IN CASE NO. 09-858CA, DATED OCTOBER 15, 2009, SAID PARCEL BEING DESCRIBED AS FOLLOWS:

A PARCEL OF LAND LYING IN SECTION 32, TOWNSHIP 37 SOUTH, RANGE 41 EAST, MARTIN COUNTY, FLORIDA, SAID PARCEL BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE NORTHEAST CORNER OF SAID SECTION 32; THENCE SOUTH 00°21'34" EAST, ALONG THE EAST LINE OF SAID SECTION 32, A DISTANCE OF 15.00 FEET TO A POINT ON THE SOUTH RIGHT OF WAY LINE OF N.E. DIXIE HIGHWAY; THENCE NORTH 89°53'21" WEST ALONG SAID SOUTHERLY RIGHT OF WAY LINE, A DISTANCE OF 230.58 FEET TO THE POINT OF BEGINNING;

THENCE CONTINUE ALONG SAID SOUTHERLY RIGHT OF WAY LINE BY THE FOLLOWING COURSES AND DISTANCES: NORTH 89°53'21" WEST, A DISTANCE OF 92.35 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE SOUTHEAST, HAVING A RADIUS OF 271.82 FEET; THENCE WESTERLY AND SOUTHWESTERLY ALONG THE ARC OF SAID CURVE THROUGH A CENTRAL ANGLE OF 38°23'36", A DISTANCE OF 182.14 FEET; THENCE SOUTH 38°16'57" EAST AND NON TANGENT TO THE LAST DESCRIBED CURVE, A DISTANCE OF 15.00 FEET TO A POINT ON A NON TANGENT CURVE CONCAVE TO THE SOUTHEAST THE CHORD OF WHICH BEARS SOUTH 42°35'23" WEST, HAVING A RADIUS OF 256.84 FEET; THENCE SOUTHWESTERLY ALONG THE ARC OF SAID CURVE THROUGH A CENTRAL ANGLE OF 18°15'20", A DISTANCE OF 81.83 FEET; THENCE SOUTH 33°27'41" WEST, A DISTANCE OF 72.11 FEET; THENCE DEPARTING SAID SOUTHERLY RIGHT OF WAY LINE SOUTH 53°53'25" EAST, A DISTANCE OF 6.07 FEET; THENCE NORTH 36°06'35" EAST, A DISTANCE OF 82.38 FEET; THENCE NORTH 40°19'15" EAST, A DISTANCE OF 53.85 FEET; THENCE NORTH 52°43'41" EAST, A DISTANCE OF 44.23 FEET; THENCE NORTH 69°31'30" EAST, A DISTANCE OF 121.72 FEET; THENCE SOUTH 89°49'25" EAST, A DISTANCE OF 109.36 FEET; THENCE NORTH 00°00'00" EAST, A DISTANCE OF 17.13 FEET TO THE POINT OF BEGINNING.

ALSO LESS AND EXCEPT THE ADDITIONAL PARCEL OF LAND CONVEYED TO THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION BY DEED RECORDED IN OFFICIAL RECORDS BOOK 2258, PAGE 997, PUBLIC RECORDS OF MARTIN COUNTY, FLORIDA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

A STRIP OF LAND FOR RIGHT OF WAY PURPOSES BEING A PORTION OF THE FOLLOWING DESCRIBED PARCEL:

THE EAST HALF OF THE NORTH HALF OF GOVERNMENT LOT 1, IN SECTION 32, TOWNSHIP 37 SOUTH, RANGE 41 EAST, MARTIN COUNTY, FLORIDA, LYING SOUTH OF THE SOUTH RIGHT OF WAY OF STATE ROAD A1A (NOW STATE ROAD 707), AND LYING NORTH OF THE RIGHT OF WAY LINE OF THE FLORIDA EAST COAST RAILWAY, LESS THE EAST 73.99 FEET THEREOF, SAID RIGHT OF WAY PARCEL BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE NORTHEAST CORNER OF SAID SECTION 32, THENCE RUN NORTH 89°53'15" WEST ALONG THE NORTH LINE OF SECTION 32, A DISTANCE OF 74.01 FEET; THENCE DEPARTING SAID NORTH LINE RUN SOUTH 01°02'21" EAST, A DISTANCE OF 15.75 FEET TO THE SOUTH RIGHT OF WAY LINE OF STATE ROAD 707 AND THE POINT OF BEGINNING; THENCE CONTINUE SOUTH 01°02'21" EAST, A DISTANCE OF 21.96 FEET; THENCE SOUTH 89°13'39" WEST, A DISTANCE OF 173.25 FEET TO A POINT OF CURVATURE OF A CURVE CONCAVE TO THE NORTHEAST, HAVING A RADIUS OF 26.00 FEET, THENCE RUN NORTHWESTERLY 16.07 FEET ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 35°25'15" TO THE END OF SAID CURVE; THENCE NORTH 89°26'24" EAST, A DISTANCE OF 32.45 FEET; THENCE NORTH 00°44'11" WEST, A DISTANCE OF 17.13 FEET TO THE SOUTH RIGHT OF WAY LINE OF STATE ROAD 707; THENCE NORTH 89°17" 46' EAST ALONG SAID SOUTH RIGHT OF WAY LINE, A DISTANCE OF 155.65 FEET TO THE POINT OF BEGINNING.

ALSO INCLUDING:
THE WEST 101.01 FEET OF GOVERNMENT LOT 4, SECTION 33, TOWNSHIP 37 SOUTH, RANGE 41 EAST, MARTIN COUNTY, FLORIDA, LYING NORTH OF THE NORTH LINE OF THE FLORIDA EAST COAST RAILROAD RIGHT OF WAY AND SOUTH OF THE NORTH LINE OF SAID SECTION 33,
TOGETHER WITH:
THE EAST 73.99 FEET OF GOVERNMENT LOT 1, SECTION 32, TOWNSHIP 37 SOUTH, RANGE 41 EAST, MARTIN COUNTY, FLORIDA, AS MEASURED ALONG THE NORTH LINE OF SAID SECTION 32, AND LYING NORTH OF THE NORTH LINE OF THE FLORIDA EAST COAST RAILROAD RIGHT OF WAY.

LOCATION MAP
N.T.S.

OWNER
TREASURE COAST COMMUNITY CHURCH
20 NE DIXIE HWY
STUART FL, 34994
PHONE: (772)334-3999

ENGINEER & SURVEYOR
VELCON GROUP, INC.
ENGINEERS & SURVEYORS
702 SW PORT ST. LUCIE BOULEVARD
PORT ST. LUCIE, FL 34953
PHONE: 772-879-0477
EMAIL: info@velcongroup.com

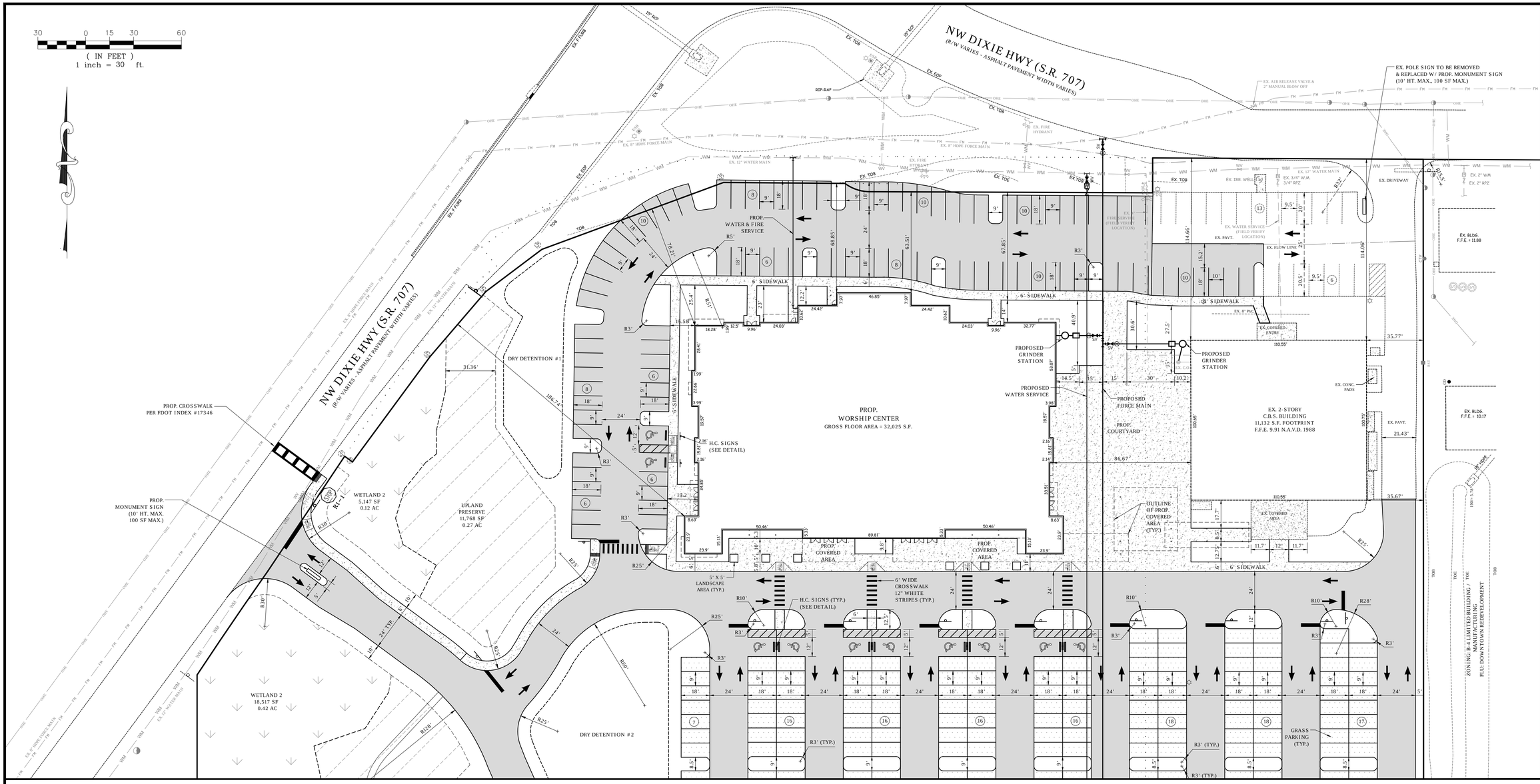
LANDSCAPE ARCHITECT
H J A DESIGN STUDIO
50 E. OCEAN BLVD.
SUITE 101
STUART, FL 34994
PHONE: 772-678-7200

INDEX OF DRAWINGS

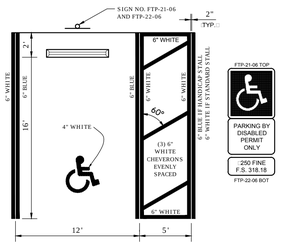
COVER SHEET
1. HORIZONTAL CONTROL PLAN - SHEET 1
2. HORIZONTAL CONTROL PLAN - SHEET 2
3. PAVING, GRADING, & DRAINAGE PLAN & SPECIFICATIONS - SHEET 1
4. PAVING, GRADING, & DRAINAGE PLAN & SPECIFICATIONS - SHEET 2
5. PAVING, GRADING & DRAINAGE DETAILS
6. WATER & WASTE WATER PLAN - SHEET 1
7. WATER & WASTE WATER PLAN - SHEET 2
8. WATER DETAILS AND SPECIFICATIONS
9. GRINDER STATION DETAILS AND SPECIFICATIONS
10. CLEARING AND SEDIMENT & EROSION CONTROL PLAN
11. STORMWATER POLLUTION PREVENTION PLAN

ENGINEER'S PROJECT NO. 16-014 ENG

TREASURE COAST COMMUNITY CHURCH JOB NO. 16-014 ENG

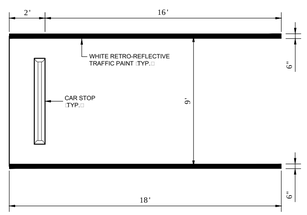


LEGEND	
	HANDICAP STALL
	TRAFFIC FLOW DIRECTION
7	BLOCK NUMBER
(7)	NUMBER OF PARKING SPACES
WM	EXISTING WATER MAIN
FM	EXISTING FORCE MAIN
	EXISTING EDGE OF PAVEMENT
	PROPOSED LIGHT FIXTURE
	PROPOSED CLEAN OUT
	PROPOSED ASPHALT PAVEMENT
	PROPOSED GRASS PARKING

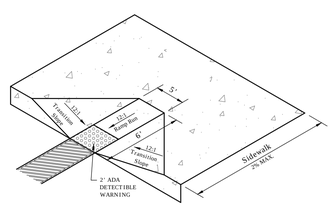


NOTES:
1. HANDICAP STALL IS BASED FROM FDOT STANDARD INDEX #17346, SHEET 12 OF 14.
2. DIMENSIONS ARE TO THE CENTERLINE OF MARKINGS.
3. BLUE PAVEMENT MARKINGS SHALL BE TINTED TO MATCH SHADE 15180 OF FEDERAL STANDARDS 595a.
4. FTP-22-06 PANEL SHALL BE MOUNTED BELOW THE FTP-21-06 SIGN.
5. FOR DESIGN OF THE UNIVERSAL SYMBOL OF ACCESSIBILITY, REFERENCE FDOT STANDARD INDEX #17346, SHEET 12 OF 14.
6. FOR DESIGN OF THE ASSOCIATED SIGNS, REFERENCE FDOT STANDARD INDEX #17355, SHEET 4 OF 11.

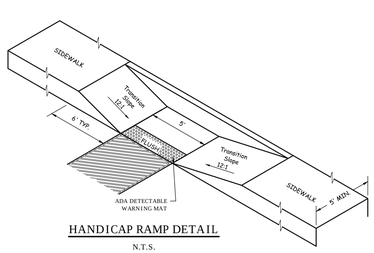
HANDICAP SPACE DETAIL
N.T.S.



TYPICAL PARKING STALL
1" = 5'



HANDICAP RAMP DETAIL
N.T.S.



HANDICAP RAMP DETAIL
N.T.S.

PROPOSED SITE DATA:

TOTAL PROJECT AREA	460,925 S.F.	10.58 AC	
WETLAND AREAS	45,727 S.F.	1.05 AC	
DRAINAGE AREA	415,198 S.F.	9.53 AC	100.00%
IMPERVIOUS AREA			
EX. BUILDING	11,132 S.F.	0.26 AC	2.68%
PROP. BUILDINGS	40,545 S.F.	0.93 AC	9.77%
EX. PAVEMENT (TO REMAIN)	16,129 S.F.	0.37 AC	3.88%
PROP. PAVEMENT / WALKS	165,053 S.F.	3.79 AC	39.75%
TOTAL IMPERVIOUS	232,859 S.F.	5.35 AC	56.08%
PERVIOUS AREA			
DRY DETENTION AREAS	37,827 S.F.	0.87 AC	9.11%
UPLAND PRESERVE AREAS	80,108 S.F.	1.84 AC	19.29%
OTHER PERVIOUS	64,404 S.F.	1.48 AC	15.51%
TOTAL PERVIOUS	182,339 S.F.	4.19 AC	43.92%

ENGINEER'S APPROVAL
SEAL
M. RANDALL RODGERS P.E. No. 68212
DATE

THE VELCON GROUP INC.
ENGINEERS & SURVEYORS
702 S.W. PORT ST. LUCIE BLVD.
PORT ST. LUCIE, FL 34953
(772) 879-0477 – (772) 871-6659–FAX
CERTIFICATE OF AUTHORIZATION # 4942

REVISIONS

BY	DESCRIPTION	DATE

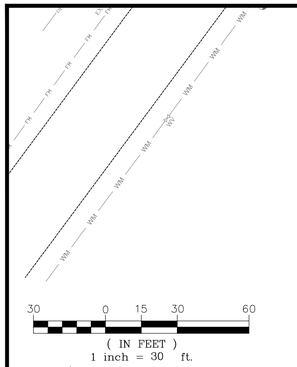
HORIZONTAL CONTROL PLAN SHEET 1

TREASURE COAST COMMUNITY CHURCH
CITY OF STUART, FLORIDA

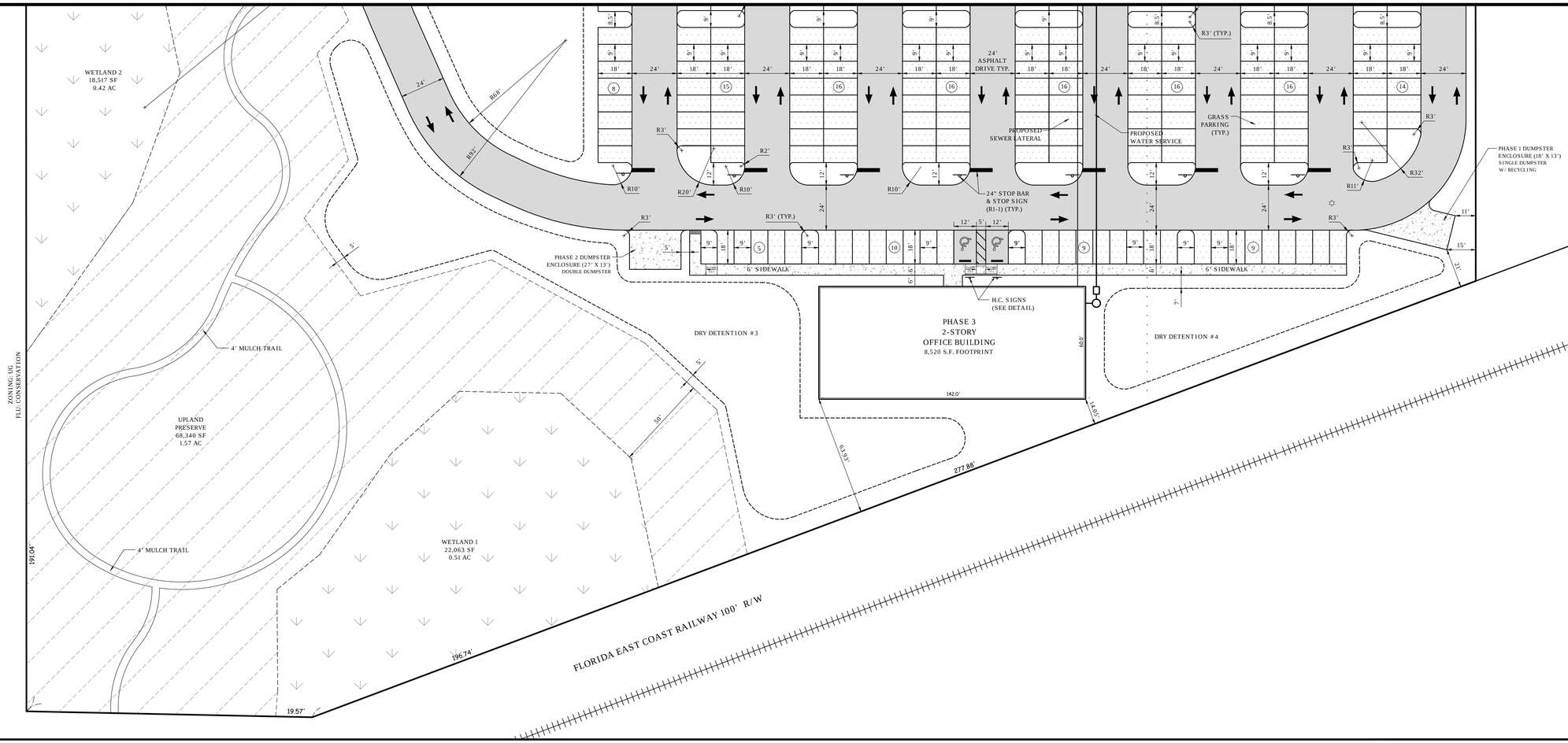
SCALE: 1"=30'
DATE: 04/17/2017
DRAWN BY: RP
CHECKED BY: RR
CADD FILE: 16-014ENG.DWG

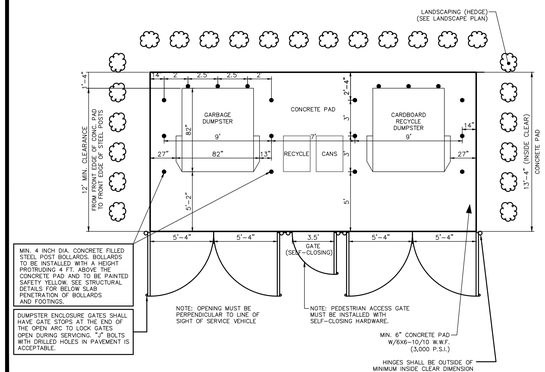
SHEET NO.: 1
OF : -
JOB No. : 16-014 ENG

Sunshine811 Know what's below. Call before you dig.
BEFORE YOU DIG ONLY THOSE IS BUSINESS DAYS MUST PLAN EXCAVATION TO BE COMPLETED RESPECT THE EXCAVATOR DIG SAFELY

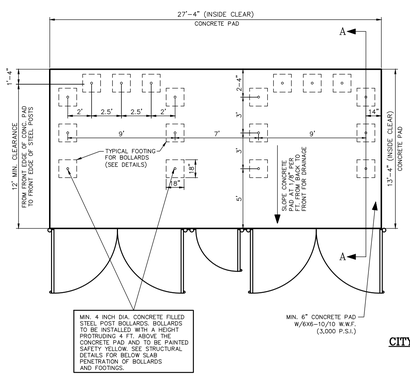


LEGEND	
	HANDICAP STALL
	TRAFFIC FLOW DIRECTION
7	BLOCK NUMBER
7	NUMBER OF PARKING SPACES
WM	EXISTING WATER MAIN
FM	EXISTING FORCE MAIN
	EXISTING EDGE OF PAVEMENT
	PROPOSED LIGHT FIXTURE
	PROPOSED CLEAN OUT
	PROPOSED ASPHALT PAVEMENT
	PROPOSED GRASS PARKING

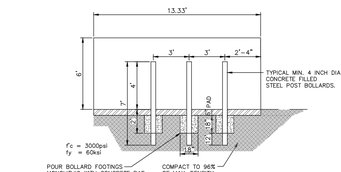




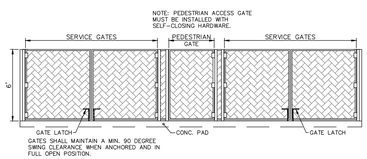
CITY OF STUART DUMPSTER ENCLOSURE – SITE DETAIL
DOUBLE DUMPSTER w/ RECYCLING N.T.S.



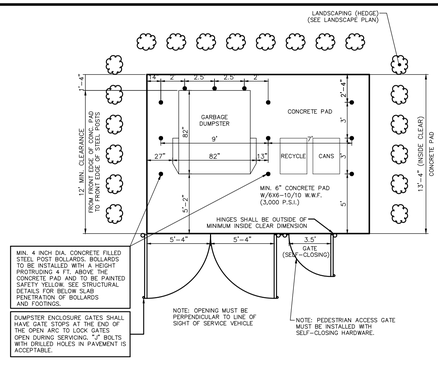
CITY OF STUART DUMPSTER ENCLOSURE – STRUCTURAL PLAN
DOUBLE DUMPSTER w/ RECYCLING N.T.S.



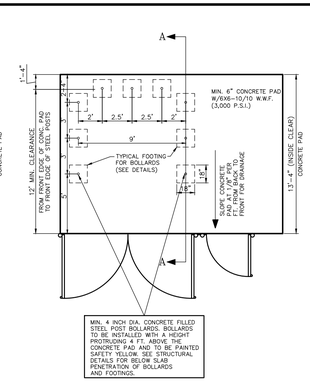
SECTION A–A
N.T.S.



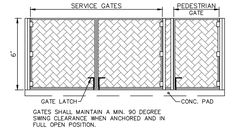
CITY OF STUART DUMPSTER ENCLOSURE – FRONT VIEW WITH GATES
DOUBLE DUMPSTER w/ RECYCLING N.T.S.



CITY OF STUART DUMPSTER ENCLOSURE – SITE DETAIL
SINGLE DUMPSTER w/ RECYCLING N.T.S.



CITY OF STUART DUMPSTER ENCLOSURE – STRUCTURAL PLAN
SINGLE DUMPSTER w/ RECYCLING N.T.S.



FRONT VIEW WITH GATES
CITY OF STUART DUMPSTER ENCLOSURE
SINGLE DUMPSTER w/ RECYCLING N.T.S.

ENGINEER'S APPROVAL
SEAL
M. RANDALL RODGERS P.E. No. 68212
DATE

THE VELCON GROUP INC.
ENGINEERS & SURVEYORS
702 S.W. PORT ST. LUCIE BLVD.
PORT ST. LUCIE, FL 34953
(772) 879-0477 – (772) 871-6659-FAX
CERTIFICATE OF AUTHORIZATION # 4942

REVISIONS
DESCRIPTION | DATE
1
2
3

HORIZONTAL CONTROL PLAN
SHEET 2

TREASURE COAST COMMUNITY CHURCH
CITY OF STUART, FLORIDA

SCALE : 1" = 30'
DATE: 04/17/17
DRAWN BY: RR
CHECKED BY: RR
CADD FILE : 16-014ENG.DWG

SHEET NO.: 2
OF : -
JOB No. : 16-014 ENG

Sunshine 811
BEFORE YOU DIG
CALL TWO (2) BUSINESS DAYS
WAIT FOR THE SITE TO BE MARKED
RESPECT THE MARKS
DIG SAFELY

30 0 15 30 60

(IN FEET)
1 inch = 30 ft.

LEGEND			
X 21.5	EXISTING GRADE ELEVATION	FM	EXISTING FORCE MAIN
T/CURB 21.50 21.00 B/CURB	PROPOSED ELEVATION (H.P. = HIGH POINT)		EXISTING EDGE OF PAVEMENT
			EXISTING LIGHT POLE
	RUNOFF FLOW DIRECTION		PROPOSED CATCH BASIN
1	PIPE INTERFERENCE POINTS		PROPOSED CLEAN OUT
WM	EXISTING WATER MAIN		PROPOSED ASPHALT PAVEMENT

NW DIXIE HWY (S.R. 707)
(R/W VARIES - ASPHALT PAVEMENT WIDTH VARIES)

BENCHMARK
5/8" R/C
EL. 6.56 NA.V.D.

PROP.
WORSHIP CENTER
FOOT PRINT AREA = 32,582 S.F.
F.F.E. = 9.91 N.A.V.D. 1988

EX. 2-STORY
C.B.S. BUILDING
11,132 S.F. FOOTPRINT
F.F.E. 9.91 N.A.V.D. 1988

SD #11
TOP EL. 7.80
E.W INV. EL. 4.50

110 L.F. 15" CPP @ 0.0%
130 L.F. INV. CR. @ 0.6%
260 L.F. 15" CPP @ 0.0%
130 L.F. INV. CR. @ 0.6%

SD #10
TOP EL. 7.80
S.W INV. EL. 4.50

50 L.F. 8" CPP

SD #9
TOP EL. 9.00
N. INV. EL. 4.50

110 L.F. CPP @ 0.0%

MES INV.
EL. 4.50

DRY DETENTION #1
4,543 SF
0.10 AC

135 L.F. 15" CPP @ 0.0%

WETLAND 2
5,147 SF
0.12 AC

UPLAND
PRESERVE
11,768 SF
0.27 AC

CONC. HEADWALL
PER FDOT INDEX #250
INV. EL. 2.00

HP 8.60

110 L.F. INV. CR. @ 0.6%

CONC. HEADWALL
PER FDOT INDEX #250
INV. EL. 2.00

WETLAND 2
18,517 SF
0.42 AC

SD #4
TOP EL.7.80
E INV. EL. 4.50

38 L.F. 15"
CPP @ 0.0%

DRY DETENTION #2
10,477 SF
0.24 AC

MES INV.
EL. 4.50

MES INV.
EL. 4.50

47 L.F. 18" CPP @ 0.0%

SD #5
TOP EL. 7.80
E.W INV. EL. 4.50

120 L.F. 18"
CPP @ 0.0%

SD #6
TOP EL. 7.80
E.W INV. EL. 4.50

180 L.F. 18"
CPP @ 0.0%

SD #7
TOP EL. 7.80
E.W INV. EL. 4.50

120 L.F. 15"
CPP @ 0.0%

SD #8
TOP EL. 7.80
W INV. EL. 4.50

SAWCUT & MATCH
EX. PAVEMENT EL. 7.9±

SAWCUT & MATCH
EX. PAVEMENT EL. 9.7±

SAWCUT & MATCH
EX. PAVEMENT EL.

MATCH EX.
S/W EL.

EX. 8" PVC

EX. 12" WATER MAIN

EX. 8" HDPE FORCE MAIN

EX. FIRE HYDRANT

EX. AIR RELEASE VALVE &
2" MANUAL BLOW OFF

EX. 3/4" W.M.
3/4" RPZ

EX. 2" W.M.
EX. 2" RPZ

EX. 4"
FIRE SERVICE
(FIELD VERIFY
LOCATION)

EX. WATER SERVICE
(FIELD VERIFY
LOCATION)

EX. FLOW LINE

EX. DRIVEWAY

EX. COVERED
ENTRY

EX. CONC.
PADS

EX. COVERED
AREA

EX. PAVT.

EX. BLDG.
F.F.E. = 11.88

EX. BLDG.
F.F.E. = 10.17

EX. TOB

EX. TOE

EX. ERR. WELL

MATCH LINE

MATCH LINE

CATCH BASIN SCHEDULE

STRUCTURE NO.	ELEVATION - FT. N.A.V.D. TOP	NORTH	EAST	SOUTH	WEST	WEIR	BLEEDER	BOX TYPE PER F.D.O.T. INDEX #232	COVER
CS :1 CONTROL STRUCTURE	7.50	-	4.50	-	4.50	7.55	4.50	TYPE E	USF 6300
SD :2	1.20	-	-1.30	-	-	-	-	TYPE C	USF 6212
SD :3	8.50	-	4.50	-	4.50	-	-	TYPE C	USF 6212
SD :4	7.80	-	4.50	-	-	-	-	TYPE C	USF 6212
SD :5	7.80	-	4.50	-	4.50	-	-	TYPE C	USF 6212
SD :6	7.80	-	4.50	-	4.50	-	-	TYPE C	USF 6212
SD :7	7.80	-	4.50	-	4.50	-	-	TYPE C	USF 6212
SD :8	7.80	-	4.50	-	4.50	-	-	TYPE C	USF 6212
SD :9	9.00	4.50	-	-	-	-	-	TYPE C	USF 6212
SD :10	7.80	-	-	4.50	4.50	-	-	TYPE C	USF 6212
SD :11	7.80	-	4.50	-	4.50	-	-	TYPE C	USF 6212

NOTE:
ALL ELEVATIONS SHOWN OR REFERENCED WITHIN THESE PLANS ARE BASED UPON NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D.). TO CONVERT FROM N.A.V.D. '88 TO N.G.V.D. '29, ADD 1.48' TO THE N.A.V.D. ELEVATIONS TO GET N.G.V.D. ELEVATIONS.

NOTE:
ALL DRAINAGE PIPE JOINTS, INCLUDING ROUND CONCRETE PIPES, SHALL HAVE A FILTER FABRIC JACKET IN ACCORDANCE WITH FDOT ROADWAY AND TRAFFIC DRAINAGE STANDARDS. ALL RCP PIPE USED FOR EXFILTRATION SHALL HAVE SLOTS, IN ACCORDANCE TO FDOT INDEX #285.2 OPTION 'B'.

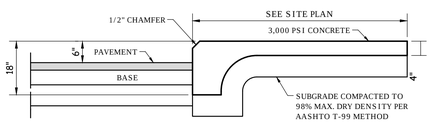
SIDEWALK SLOPES PER ADA

LENGTH	MAX. SLOPE	LONGITUDINAL
L < 6'	1:12	NO HANDRAILS
6'< L < 30'	1:12	HANDRAILS BOTH SIDES
6'< L < 50'	1:20	NO HANDRAILS

SPACING OR REQUIRED ROADWAY / PARKING AREA TESTS

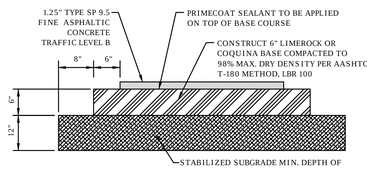
ITEMS TO BE TESTED	F.B.V. MAX. SPACING LIN.FT.	F.B.V. SQ.FT.	DENSITY MAX. SPACING LIN.FT.	DENSITY SQ.FT.	L.B.R. MAX. SPACING LIN.FT.	L.B.R. SQ.FT.	THICKNESS MAX. SPACING LIN.FT.	THICKNESS SQ.FT.
COMPACTED OR STABILIZED SUBGRADE	300	10,000	300	10,000	___	___	300	10,000
LIMEROCK BASE	___	___	300	10,000	___	___	300	10,000
SHELLROCK BASE	___	___	300	10,000	___	___	300	10,000
ASPHALT	___	___	___	___	___	___	PER INSP.	PER INSP.

NOTE: ALL TESTING SHALL BE TAKEN IN A STAGGERED SAMPLING PATTERN FROM A POINT 12" INSIDE THE LEFT EDGE OF THE ITEM TESTED, TO THE CENTER, TO A POINT 12" INSIDE OF THE RIGHT EDGE.



SIDEWALK/PAVEMENT DETAIL

N.T.S.

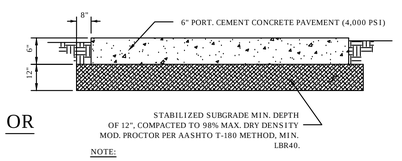


NOTE:
PAVEMENT SHALL HAVE MARSHALL STABILITY OF 1,000 LBS.

TYPICAL ONSITE ASPHALT PAVEMENT DETAILS

N.T.S.

OR



NOTE:

1. CONCRETE PAVEMENT, AT A MINIMUM, MUST BE CONSTRUCTED OF FDOT APPROVED CLASS II CONCRETE. SUBGRADE MATERIAL SHALL BE A MINIMUM THICKNESS OF TWELVE INCHES WITH A MINIMUM LIMEROCK BEARING RATIO OF 40.
2. CONCRETE SHALL BE REINFORCED WITH FIBER MESH ADDITIVE OR WITH 6x6 #10/ #10 W.W.M.
3. SAW-CUT JOINTS @ 15' O.C. EXPANSION JOINTS @ 40' O.C.

TYPICAL ONSITE CONCRETE PAVEMENT DETAILS

N.T.S.

Sunshine811
Know what's below before you dig.
BEFORE YOU DIG
CALL TWO (2) BUSINESS DAYS
WAIT FOR UTILITIES TO BE MARKED
RESPECT THE MARKS
DIG SAFELY

ENGINEER'S APPROVAL

SEAL

M. RANDALL RODGERS
P.E. No. 68212

DATE

THE VELCON GROUP INC.
ENGINEERS & SURVEYORS
702 S.W. PORT ST. LUCIE BLVD.
PORT ST. LUCIE, FL 34953
(772) 879-0477 – (772) 871-6659–FAX
CERTIFICATE OF AUTHORIZATION # 4942

REVISIONS

BY	DESCRIPTION	DATE
-	-	-
-	-	-

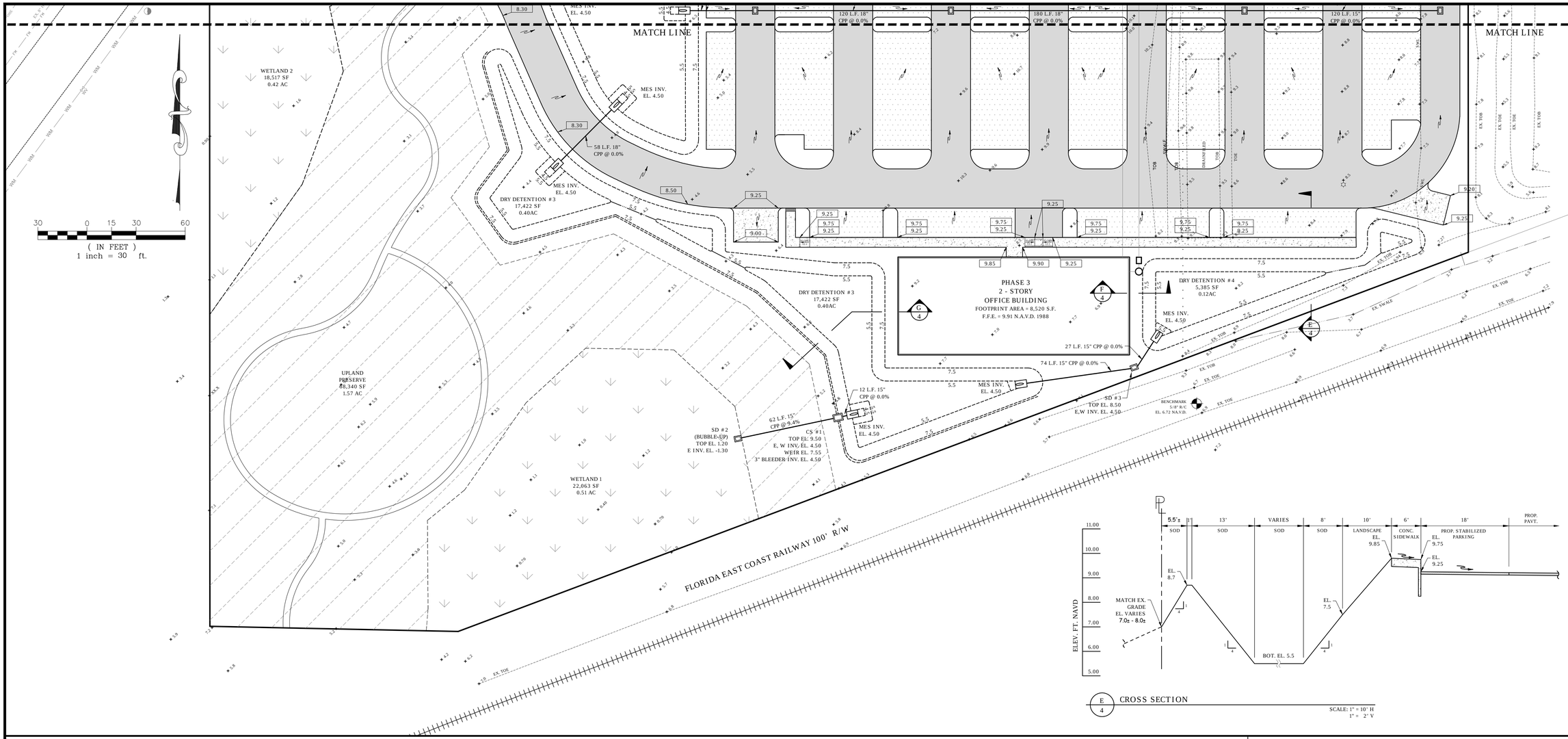
PAVING, GRADING, & DRAINAGE PLAN & SPECIFICATIONS SHEET 1

TREASURE COAST COMMUNITY CHURCH
CITY OF STUART, FLORIDA

SCALE: 1"=30'
DATE: 04/17/17
DRAWN BY: RP
CHECKED BY: RR
CADD FILE: 14-014ENG.DWG

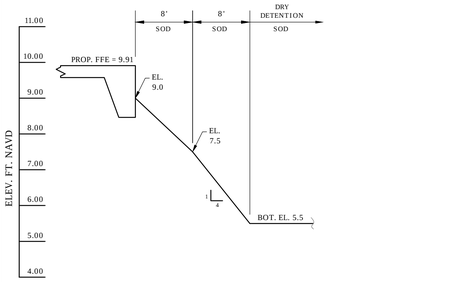
SHEET NO.: 3
OF : -

JOB No. : 16-014 ENG



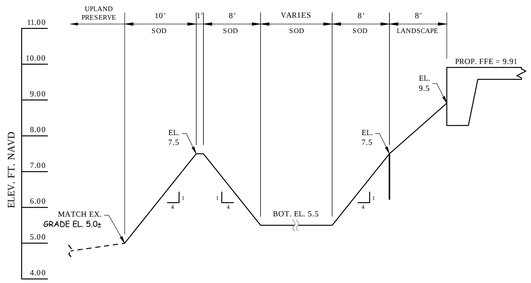
E / 4 CROSS SECTION

SCALE: 1" = 10' H
1" = 2' V



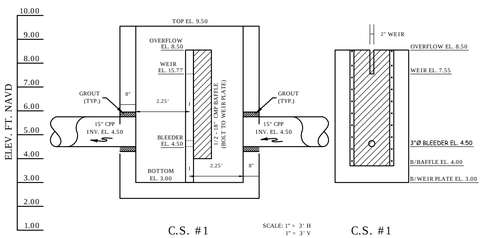
F / 4 CROSS SECTION

SCALE: 1" = 10' H
1" = 2' V



G / 4 CROSS SECTION

SCALE: 1" = 10' H
1" = 2' V



C.S. #1
CONTROL STRUCTURE
TYPE 'E' BOX
CROSS SECTION LOOKING NORTH

SCALE: 1" = 3' H
1" = 3' V

C.S. #1
WEIR PLATE

CATCH BASIN SCHEDULE

STRUCTURE NO.	ELEVATION - FT. N.A.V.D.							BOX TYPE PER F.D.O.T. INDEX 232	COVER
	TOP	NORTH	EAST	SOUTH	WEST	WEIR	BLEEDER		
CS :1 CONTROL STRUCTURE	□.50	-	4.50	-	4.50	7.55	4.50	TYPE E□	USF 6300
SD :2	1.20	-	-1.30	-	-	-	-	TYPE C□	USF 6212
SD :3	8.50	-	4.50	-	4.50	-	-	TYPE C□	USF 6212
SD :4	7.80	-	4.50	-	-	-	-	TYPE C□	USF 6212
SD :5	7.80	-	4.50	-	4.50	-	-	TYPE C□	USF 6212
SD :6	7.80	-	4.50	-	4.50	-	-	TYPE C□	USF 6212
SD :7	7.80	-	4.50	-	4.50	-	-	TYPE C□	USF 6212
SD :8	7.80	-	4.50	-	4.50	-	-	TYPE C□	USF 6212
SD □□	□.00	4.50	-	-	-	-	-	TYPE C□	USF 6212
SD :10	7.80	-	-	4.50	4.50	-	-	TYPE C□	USF 6212
SD :11	7.80	-	4.50	-	4.50	-	-	TYPE C□	USF 6212

NOTE:
ALL ELEVATIONS SHOWN OR REFERENCED WITHIN THESE PLANS ARE BASED UPON NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D.). TO CONVERT FROM N.A.V.D. '88 TO N.G.V.D. '29, ADD 1.48' TO THE N.A.V.D. ELEVATIONS TO GET N.G.V.D. ELEVATIONS.

Sunshine 811
Know what's below. Call before you dig.
BEFORE YOU DIG
CALL THIS (2) BUSINESS DAYS
WAIT FOR THE SITE TO BE MARKED
RESPECT THE MARKS
DIG SAFELY

ENGINEER'S APPROVAL
SEAL
M. RANDALL RODGERS P.E. No. 68212
DATE

THE VELCON GROUP INC.
ENGINEERS & SURVEYORS
702 S.W. PORT ST. LUCIE BLVD.
PORT ST. LUCIE, FL 34953
(772) 879-0477 – (772) 871-6659–FAX
CERTIFICATE OF AUTHORIZATION # 4942

REVISIONS

BY:	DATE	DESCRIPTION

PAVING, GRADING, & DRAINAGE PLAN & SPECIFICATIONS SHEET 2

TREASURE COAST COMMUNITY CHURCH
CITY OF STUART, FLORIDA

SCALE : 1" = 30'
DATE: 04/17/17
DRAWN BY: RR
CHECKED BY: RR
CADD FILE : 16-014ENG.DWG

SHEET NO.: 4
OF : -
JOB No. : 16-014 ENG

A/5 CROSS SECTION

SCALE: 1" = 10' H
1" = 2' V

B/5 CROSS SECTION

SCALE: 1" = 10' H
1" = 2' V

C/5 CROSS SECTION

SCALE: 1" = 10' H
1" = 2' V

D/5 CROSS SECTION

SCALE: 1" = 10' H
1" = 2' V

Slope	D	X	A	B	C	E	F	G	M Single Pipe	M Double Pipe	M Triple Pipe	M Quad. Pipe	N	5½" Concrete Slab (CY) ◪ Single Pipe	Slab Double Pipe	Slab Triple Pipe	Slab Quad. Pipe	Sodding (Sq. Yds.) Single Pipe	Sodding Double Pipe	Sodding Triple Pipe	Sodding Quad. Pipe
2:1 Slope	15"	2'-7"	1.92'	2.18'	4.10'	2.06'	5'	1.22'	4.63'	7.21'	9.79'	12.37'	1.19'	0.38	0.58	0.77	0.96	21	24	27	30
	18"	2'-10"	1.97'	2.74'	4.71'	2.56'	6'	1.41'	4.92'	7.75'	10.58'	13.42'	1.21'	0.44	0.65	0.87	1.09	22	25	28	31
	24"	3'-5"	2.06'	3.85'	5.91'	3.56'	7'	1.73'	5.50'	8.92'	12.33'	15.75'	1.25'	0.54	0.83	1.12	1.42	24	28	32	35
	30"	4'-3"	2.15'	4.95'	7.10'	4.56'	8'	2.00'	6.08'	10.33'	14.58'	18.83'	1.29'	0.66	1.09	1.50	1.91	26	31	35	40
	36"	5'-1"	2.25'	6.08'	8.33'	5.56'	9'	2.24'	6.67'	11.75'	16.83'	21.92'	1.33'	0.81	1.38	1.95	2.51	28	34	39	45
	42"	6'-0"	2.34'	7.21'	9.55'	6.56'	10'	2.45'	7.25'	13.25'	19.25'	25.25'	1.38'	0.97	1.70	2.45	3.19	30	37	43	50
	48"	6'-9"	2.43'	8.33'	10.76'	7.56'	11'	2.65'	7.83'	14.58'	21.33'	28.08'	1.42'	1.13	2.04	2.93	3.84	32	39	47	54
	54"	7'-8"	2.52'	9.44'	11.96'	8.56'	12'	2.83'	8.42'	16.08'	23.75'	31.42'	1.46'	1.31	2.44	3.58	4.72	34	42	51	59
	60"	8'-6"	2.62'	10.56'	13.18'	9.56'	14'	3.00'	9.00'	17.50'	26.00'	34.50'	1.50'	1.51	2.89	4.28	5.68	36	45	55	64
	66"	9'-2"	2.71'	11.68'	14.39'	10.56'	15'	3.18'	9.58'	18.75'	27.92'	37.08'	1.54'	1.68	3.25	4.84	6.43	38	48	58	68
	72"	10'-0"	2.80'	12.80'	15.60'	11.56'	16'	3.30'	10.16'	20.16'	30.16'	40.16'	1.58'	1.89	3.74	5.59	7.45	40	51	62	73
4:1 Slope	15"	2'-7"	2.27'	4.09'	6.36'	4.03'	8'	1.22'	4.63'	7.21'	9.79'	12.37'	1.19'	0.57	0.87	1.15	1.44	23	26	29	32
	18"	2'-10"	2.36'	5.12'	7.48'	5.03'	9'	1.41'	4.92'	7.75'	10.58'	13.42'	1.21'	0.66	0.99	1.31	1.65	25	28	31	35
	24"	3'-5"	2.53'	7.18'△	9.71'	7.03'△	11'	1.73'	5.50'	8.92'	12.33'	15.75'	1.25'	0.85	1.30	1.75	2.20	28	32	36	40
	30"	4'-3"	2.70'	9.25'	11.95'	9.03'	13'	2.00'	6.08'	10.33'	14.58'	18.83'	1.29'	1.10	1.74	2.39	3.05	31	36	41	46
	36"	5'-1"	2.87'	11.31◇	14.18'	11.03◇	15'	2.24'	6.67'	11.75'	16.83'	21.92'	1.33'	1.32	2.21	3.08	3.96	34	40	46	52
	42"	6'-0"	3.05'	13.37'	16.42'	13.03'	17'	2.45'	7.25'	13.25'	19.25'	25.25'	1.38'	1.58	2.76	3.91	5.09	38	44	51	58
	48"	6'-9"	3.22'	15.43'	18.65'	15.03'	19'	2.65'	7.83'	14.58'	21.33'	28.08'	1.42'	1.85	3.30	4.73	6.17	41	48	56	63
	54"	7'-8"	3.39'	17.49'	20.88'	17.03'	21'	2.83'	8.42'	16.08'	23.75'	31.42'	1.46'	2.14	3.95	5.77	7.58	44	52	61	69
	60"	8'-6"	3.56'	19.55'	23.11'	19.03'	23'	3.00'	9.00'	17.50'	26.00'	34.50'	1.50'	2.45	4.66	6.87	9.07	47	56	66	75
	66"	9'-2"	3.73'	21.62'	25.35'	21.03'	25'	3.18'	9.58'	18.75'	27.92'	37.08'	1.54'	2.88	5.54	8.18	10.84	49	59	69	80
	72"	10'-0"	3.91'	22.68'	26.59'	23.03'	27'	3.30'	10.16'	20.16'	30.16'	40.16'	1.58'	3.54	6.61	9.87	13.13	52	63	74	85

◪ See General Note No. 3.
See Sheet 5 Of 6 For 3" Slab Quantities

B	E	
△ 6.42'	△ 6.25	Dimensions permitted to allow use of 8' standard pipe lengths.
◇ 10.40	◇ 10.10'	Dimensions permitted to allow use of 12' standard pipe lengths.

△◇ Concrete slab shall be deepened to form bridge across crown of pipe. See section below.

CROSS DRAIN
MITERED END SECTION
SINGLE AND MULTIPLE ROUND CONCRETE PIPE
F.D.O.T. INDEX NUMBER 272
1 of 6

NOTE:
ALL ELEVATIONS SHOWN OR REFERENCED WITHIN THESE PLANS ARE BASED UPON NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D.). TO CONVERT FROM N.A.V.D. '88 TO N.G.V.D. '29, ADD 1.48' TO THE N.A.V.D. ELEVATIONS TO GET N.G.V.D. ELEVATIONS.

CONSTRUCTION FIELD OBSERVATIONS

I. DRAINAGE
- A. LAYING OF PIPE (BEFORE BACKFILL)
- B. ALL DRAINAGE STRUCTURES AND PIPE LAYING COMPLETE.
- C. CONSTRUCTION AND STABILIZATION OF RETENTION AREAS AND SWALES.
- D. SEEDING, MULCH AND SODDING IN AREAS WHERE EROSION IS EVIDENT.

II. UTILITIES (PERMITS)
- A. PIPE LAYING IN RIGHTS-OF-WAYS.
- B. JACK AND BORING / DIRECTIONAL BORING.
- C. WET TAPS.
- D. PRESSURE TESTING.
- E. WASTEWATER PUMPING STATION START-UPS.
- F. ABOVE GROUND MANHOLE INSPECTIONS AND INSTALLATIONS.

III. CONCRETE
- A. CONSTRUCTION OF CURBING, SIDEWALK, NON-BUILDING SLABS, AND RETAINING WALLS BEFORE PLACEMENT OF CONCRETE.

IV. PAVEMENT
- A. LINE AND GRADE (CERTIFICATION).
- B. SUBBASE (PRIOR TO ADDING BASE MATERIAL)
- C. BASE (PRIOR TO PRIMING AND SAND SEAL)
- D. BASE (AFTER PRIMING, SAND SEAL AND BEFORE PLACING OF ASPHALT)
- E. ASPHALT OR CONCRETE (WHILE PAVING IS IN PROCESS).
- F. TURN OUT CONSTRUCTION ONTO CITY, COUNTY, OR STATE ROAD (ABOVE INSPECTIONS APPLY).
- G. TEST RESULTS ON SUBBASE, BASE AND ASPHALT.
- H. FINAL PROJECT OBSERVATION.

PROJECT CERTIFICATION REQUIREMENTS

I. PAVEMENT TESTING
- A. LIMEROCK BEARING RATIO (LBR) TEST RESULTS.
- B. COMPACTION TEST RESULTS.
- C. BASE MATERIAL TEST RESULTS.
- D. ASPHALT TEST RESULTS.

II. WATER AND SEWER
- A. DEPARTMENT OF ENVIRONMENTAL PROTECTION CERTIFICATION FOR BOTH WATER AND SEWER (OPERATION AND MAINTENANCE), IF APPLICABLE.
- B. HEALTH DEPARTMENT CERTIFICATION, IF APPLICABLE.
- C. BACTERIOLOGICAL AND PRESSURE TESTING FOR WATER MAINS.
- D. VIDEO AND EXFILTRATION TESTING FOR GRAVITY SEWER MAINS, IF APPLICABLE.
- E. PRESSURE TESTING FOR FORCE MAINS, IF APPLICABLE.
- F. UTILITY ACCEPTANCE FOR OPERATION AND MAINTENANCE, IF APPLICABLE.

III. CERTIFICATION AND RECORD DRAWINGS
- A. SEALED CERTIFICATION BY THE ENGINEER OF RECORD FOR COMPLIANCE WITH APPROVED PLANS AND SPECIFICATIONS ALONG WITH RECORD DRAWINGS FOR THE PROJECT.

GENERAL CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTING THE SITE PRIOR TO BIDDING WORK AND SHALL TAKE INTO CONSIDERATION ANY OMISSIONS, UNDERGROUND UTILITIES, OR OTHER ITEMS AFFECTING THE INSTALLATION OF PAVING, DRAINAGE, AND UTILITIES. SHOULD UNCHARTED OR INCORRECTLY CHARTED UTILITIES OR OTHER ITEMS BE ENCOUNTERED DURING CONSTRUCTION, CONSULT ENGINEER OF RECORD IMMEDIATELY FOR DIRECTIONS. REPAIR DAMAGED UTILITIES OR OTHER ITEMS TO SATISFACTION OF UTILITY OWNER AND ENGINEER OF RECORD.
2. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CITY, COUNTY, STATE, AND FEDERAL REGULATIONS, CODES, AND ORDINANCES, INCLUDING OSHA AND FDOT SPECIFICAIONS, LASTEST EDITION UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER IN WRITING.
3. LOCATION AND SIZES OF ALL EX. UTILITIES ARE APPROXIMATE ONLY. CONTRACTOR IS RESPONSIBLE FOR EXACT FIELD LOCATION AND SIZES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION TO ALLOW FOR PIPE RECONFIGURATION IF NEEDED. THE CONTRACTOR SHALL CONTACT ALL AFFECTED UTILITIES AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION OPERATIONS.
4. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO COMMENCING WORK.
5. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER OF RECORD.
6. CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS / LICENSES PRIOR TO COMMENCING WORK.
7. THE CONTRACTOR SHALL KEEP COPIES OF ALL PERMITS, PLANS, AND SPECIFICATIONS ON SITE DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED TESTING TO BE PERFORMED BY AN INDEPENDENT TESTING LABORATORY APPROVED BY THE ENGINEER OF RECORD. THE CONTRACTOR SHALL SUPPLY DENSITY TESTS TO ENGINEER OF RECORD ON ALL SUB GRADE AND BASE. TESTS SHALL BE PREPARED IN ACCORDANCE WITH AASHTO T-180 METHOD AT ALL AREAS OF DISTURBED ASPHALT & PIPE TRENCHING.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY DAMAGE RESULTING FROM HIS OPERATIONS, TO EXISTING PAVEMENT, SWALES, ETC.
10. THE CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FROM THE DATE THAT PROJECT HAS BEEN ACCEPTED. ALL FAULTY CONSTRUCTION AND/OR MATERIALS THAT OCCUR DURING AFORESAID PERIOD SHALL BE CORRECTED AT THE CONTRACTORS'S EXPENSE AND IN A TIMELY MANNER.
11. THE CONTRACTOR SHALL COMPLY WITH ALL RULES AND REGULATIONS OF THE STATE, COUNTY AND CITY AUTHORITIES REGARDING CLOSING OR RESTRICTING THE USE OF PUBLIC STREETS OR HIGHWAYS.
12. THE CONTRACTOR SHALL GIVE ADEQUATE NOTIFICATION TO ALL AFFECTED UTILITY OWNERS FOR REMOVAL, RELOCATION AND ALTERATION OF THEIR EXISTING FACILITIES.
13. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO ANY REQUIRED INSPECTIONS AND SHALL SUPPLY ALL EQUIPMENT NECESSARY FOR INSPECTIONS AND/OR TESTING.
14. THE CONTRACTOR SHALL PROVIDE THE ENGINEER AS-BUILT SURVEYS CERTIFIED BY A LICENSED SURVEYOR UPON COMPLETION OF CONSTRUCTION AND SCHEDULE A FINAL INSPECTION WITH THE ENGINEER OF RECORD.
15. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHOULD NOTIFY THE COUNTY SURVEYOR WITHOUT DELAY BY TELEPHONE.
16. IF HARDPAN IS ENCOUNTERED WITHIN RETENTION AREA OR SWALES, IT SHALL BE REMOVED AND REPLACED WITH A GRANULAR MATERIAL.
17. IF MUCK OR ANY OTHER UNSUITABLE MATERIAL IS ENCOUNTERED, THE MATERIAL SHALL BE COMPLETELY REMOVED AND BACK FILLED WITH A GRANULAR MATERIAL AND COMPACTED TO DENSITIES SUFFICIENT TO ACCOMMODATE THE INTENDED USE.
18. LOCATION OF STRUCTURES SHALL GOVERN AND PIPE LENGTHS MAY HAVE TO BE ADJUSTED TO ACCOMPLISH CONSTRUCTION AS SHOWN ON THESE PLANS.
19. RCP INDICATES REINFORCED CONCRETE PIPE. CMP INDICATES GALVANIZED CORRUGATED METAL PIPE. BCCMP INDICATES BITUMINOUS COATED CORRUGATED METAL PIPE. CAP INDICATES CORRUGATED ALUMINUM PIPE. CPP INDICATES CORRUGATED POLYETHYLENE PIPE (N12) MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS, INC. (ADS).
20. MITERED END SECTIONS SPECIFIED ON THE PLANS SHALL BE IN ACCORDANCE WITH FDOT STANDARD INDEX NO. 272.
21. COMPACTION REQUIREMENTS FOR PIPE BEDS SHALL BE 90% OF MAXIMUM DRY DENSITY.
22. TEMPORARY DRAINAGE SHALL BE PROVIDED DURING CONSTRUCTION TO ELIMINATE ANY FLOODING OF PRIVATE PROPERTY.
23. ALL STORM SEWER LINES AND DRAINAGE STRUCTURES SHALL BE CLEANED OF DEBRIS AND ERODED MATERIALS DURING THE FINAL STAGES OF CONSTRUCTION.
24. ANY DRAINAGE PROBLEMS CREATED BY CONSTRUCTION, OR EXISTING BEFORE CONSTRUCTION AND NOT ALLEVIATED AS PART OF THE PROPOSED IMPROVEMENTS, SHOULD BE BROUGHT TO THE ATTENTION OF THE GOVERNING AUTHORITY AND THE ENGINEER OF RECORD.
25. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT EXISTING TREES SHOWN TO REMAIN. IF ANY TREES MARKED TO BE REMOVED CAN BE SAVED, THE CONTRACTOR SHALL SAVE SAID TREES. SHOULD ADDITIONAL TREES NEED TO BE REMOVED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER OF RECORD FOR APPROVAL PRIOR TO REMOVING SAID TREES.
26. IF EXCAVATED FILL MATERIAL IS REUSABLE, STOCKPILE EXCESS FOR USE IN LANDSCAPED AREAS.
27. UNUSABLE CLEARED MATERIAL SHALL BE REMOVED FROM SITE AND HAULED TO AN APPROVED DISPOSAL SITE. AS AN ALTERNATIVE, BURNING ON SITE WILL BE ALLOWED WITH PROPER PERMITS. LOCATION OF BURN SITE SHALL BE APPROVED BY OWNER.
28. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS OR BETTER. ALL EXISTING SIGNAGE, PAVEMENT MARKINGS, ABOVE GROUND APPURTENANCES, ETC. SHALL BE RESTORED IN KIND.
29. WHEN PAVEMENT IS SHOWN NEXT TO A CURB OR SIDEWALK, THE ELEVATION OF THE TOP OF CURB OR SIDEWALK IS 6" ABOVE THE PAVEMENT, UNLESS INDICATED AS FLUSH. IN SOME CASES, BOTH ELEVATIONS ARE SHOWN FOR ADDITIONAL CLARITY.
30. ALL CONCRETE SHALL DEVELOP A 28-DAY COMPRESSIVE STRENGTH OF 3,000 PSI UNLESS OTHERWISE NOTED.
31. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A-615 AND HAVE A TENSILE STRENGTH OF 60,000 PSI UNLESS OTHERWISE NOTED.
32. ALL WATER FLUSHED FROM MAINS SHALL BE DIRECTED AS APPROVED BY THE ENGINEER OF RECORD.
33. NO WATER OR SEWER SERVICE IS TO BE SUPPLIED, UNTIL A LETTER OF CLEARANCE IS RECEIVED FROM FDEP, IF APPLICABLE.
34. MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", AND THE FDOT "ROADWAY AND TRAFFIC DESIGN STANDARDS INDEX #600", LATEST EDITIONS.
35. EROSION AND SEDIMENT CONTROL - CONTRACTOR IS RESPONSIBLE FOR PROVIDING EROSION AND SEDIMENT CONTROL USING THE LATEST F.D.O.T. STANDARDS. BALED HAY, STRAW, AND SILTATION BARRIERS WILL BE INSTALLED WHERE NEEDED TO PREVENT SILTATION OF ADJACENT PROPERTY, PUBLIC RIGHT-OF-WAY, WETLANDS AND WATERWAYS. THESE WILL REMAIN IN PLACE UNTIL GRASSING OR SODDING HAS BEEN COMPLETED OR UNTIL SILTATION AND EROSION ARE NO LONGER A THREAT TO ADJACENT PROPERTY AND WATERWAYS.
36. ALL BERMS AND GRASSED AREAS SHALL BE SEEDED AND MULCHED IN ACCORDANCE WITH THE APPROPRIATE SECTIONS OF THE ABOVE REFERENCED SPECIFICATIONS UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER OF RECORD.
37. BOUNDARY AND TOPOGRAPHIC INFORMATION PREPARED BY VELCON GROUP, INC. DRAWING NO. 16-014. ALL ELEVATIONS PER BENCHMARKS REFERENCED ON SURVEY.

Sunshine811
Always call 811 before you dig.
BEFORE YOU DIG
CALL TWO (2) BUSINESS DAYS
WAIT FOR THE SITE TO BE MARKED
RESPECT THE MARKS
DIG SAFELY

ENGINEER'S APPROVAL
SEAL
M. RANDALL RODGERS
P.E. No. 68212
DATE

THE VELCON GROUP INC.
ENGINEERS & SURVEYORS
702 S.W. PORT ST. LUCIE BLVD.
PORT ST. LUCIE, FL 34953
(772) 879-0477 - (772) 871-6659-FAX
CERTIFICATE OF AUTHORIZATION # 4942

REVISIONS

BY	DATE	DESCRIPTION
-	-	-

PAVING, GRADING & DRAINAGE DETAILS

TREASURE COAST COMMUNITY CHURCH
CITY OF STUART, FLORIDA

SCALE : AS NOTED
DATE: 04/17/17
DRAWN BY: RP
CHECKED BY: RR
CADD FILE : 16-014ENG.DWG

SHEET NO.: 5
OF : -

JOB No. : 16-014 ENG

30 0 15 30 60

(IN FEET)
1 inch = 30 ft.

LEGEND	
17.4	EXISTING GRADE ELEVATION
T/CURB 21.50 21.00 B/CURB	PROPOSED ELEVATION (H.P. = HIGH POINT)
	RUNOFF FLOW DIRECTION
1	PIPE INTERFERENCE POINTS
WM	EXISTING WATER MAIN
FM	EXISTING FORCE MAIN
	EXISTING EDGE OF PAVEMENT
	EXISTING LIGHT POLE
	PROPOSED CATCH BASIN
	PROPOSED CLEAN OUT
	PROPOSED ASPHALT PAVEMENT

NW DIXIE HWY (S.R. 707)
(R/W VARIES - ASPHALT PAVEMENT WIDTH VARIES)

R2P-RAP

CONST.
8"x2" WET TAP
2" G.V. & BOX
2" SWING CHECK VALVE
109 L.F. 2" DR11 POLY
FORCE MAIN

EX. AIR RELEASE VALVE & 2" MANUAL BLOW OFF

EX. 8" HDPE FORCE MAIN

EX. 12" WATER MAIN

EX. FIRE HYDRANT

EX. FIRE HYDRANT WV

SEE DETAIL 'A' FOR WATER SERVICE CONFIGURATION

CONST.
12"x2" WET TAP
2" R.S.G.V. & BOX
1" WATER METER
1" RPZ
515 L.F. 2" DR9
POLY WATER SERVICE

EX. 4" FIRE SERVICE (FIELD VERIFY LOCATION)

EX. IRR. WELL

EX. 3/4" W.M.
3/4" RPZ

EX. DRIVEWAY

EX. 2" W.M.
EX. 2" RPZ

EX. WATER SERVICE (FIELD VERIFY LOCATION)

EX. PAVT.

EX. FLOW LINE

EX. BLDG.
F.F.E. = 11.88

EX. BLDG.
F.F.E. = 10.17

6" 90° ELL

20 L.F. 1.5" DR11 POLY FORCE MAIN

CONST.
(2) 2"x2" TEE
(2) 2" R.S.G.V & BOX
(2) 2" CHECK VALVE

EX. 8" PVC

EX. COVERED ENTRY

PROP. GRINDER STATION (DESIGN BY CITY OF STUART)

EX. LIFT STATION TOP EL 9.74 TO BE REMOVED

EX. CONC. PADS

PROP. WORSHIP CENTER
FOOT PRINT AREA = 32,582 S.F.
F.F.E. = 9.91 N.A.V.D. 1988

515 L. F. 2" DR9 POLY WATER SERVICE

45 L.F. 1.5" DR11 POLY FORCE MAIN

EX. 2-STORY C.B.S. BUILDING
11,132 S.F. FOOTPRINT
F.F.E. 9.91 N.A.V.D. 1988

EX. PAVT.

535 L. F. 2" DR11 POLY FORCE MAIN

TO BE REMOVED EX. SANITARY COVER TOP 9.95

TO BE REMOVED EX. LIFT STATION TOP= 9.91

EX. COVERED AREA

EX. LIFT STATION VALVE BOX TOP= 9.87 TO BE REMOVED

10' MIN.

15" HDPE

INV= 5.58

TOP= 7.69
INV= 6.09

WETLAND 2
5,147 SF
0.12 AC

UPLAND PRESERVE
11,768 SF
0.27 AC

WETLAND 2
18,517 SF
0.42 AC

N 13°54'28" E
N 89°30'15" E
87.25' (M)

L = 79.4' (C)
R = 1702.65' (C)
Δ = 02°40'47" (C)
L = 79.50' (M)
R = 1702.65' (M)
Δ = 02°40'37" (M)

EX. 8" HDPE FORCE MAIN

EX. 12" WATER MAIN

MATCH LINE

MATCH LINE

GENERAL UTILITY CONSTRUCTION NOTES:

1.) LOCATION OF ALL UTILITIES AND SERVICE POINTS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY LOCATION, SIZE, AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.

2.) WATER MAIN PRESSURE TESTING SHALL BE @ 150 PSI.

3.) HYDROSTATIC TESTS CONSISTING OF PRESSURES TEST AND LEAKAGE TEST SHALL BE CONDUCTED ON ALL NEWLY INSTALLED WATER DISTRIBUTION SYSTEM PRESSURE PIPES AND APPURTENANCES. THE TESTS SHALL BE IN ACCORDANCE WITH AWWA C-600 OR M-23 AS APPLICABLE.

4.) DISINFECTION OF THE WATER DISTRIBUTION SYSTEM SHALL BE PERFORMED IN ACCORDANCE WITH AWWA C-651, DISINFECTING WATER MAINS.

5.) BACKFLOW PREVENTER SHALL BE REDUCED PRESSURE ZONE UNIT IN ACCORDANCE WITH DEPARTMENT OF ENVIRONMENTAL PROTECTION AND CITY OF STUART UTILITY STANDARDS.

6.) PRIOR TO ANY TESTING, ALL FORCE MAINS 3" AND GREATER SHALL HAVE A LINE SIZE SWAB PASSED THROUGH THE ENTIRE LENGTH OF THE LINE. SEE CITY OF STUART WASTEWATER CONSTRUCTION NOTE NO. 21.

7.) ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE REQUIREMENTS OF THE CITY OF STUART UTILITY STANDARDS.

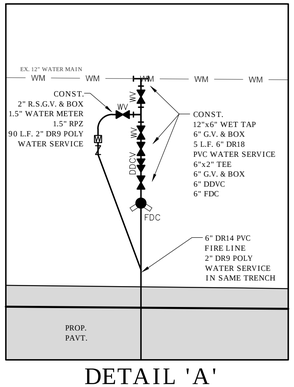
8.) FOR ITEMS NOT ADDRESSED IN CITY OF STUART UTILITY SPECIFICATIONS, FOLLOW FDEP STANDARD SPECIFICATIONS, LATEST EDITION.

9.) SLOPES FOR 4" SEWER SERVICES TO BE MINIMUM 2% AND SLOPES FOR 6" SEWER SERVICES TO BE MINIMUM 1%, UNLESS OTHERWISE SHOWN ON PLAN.

10.) SPACE CLEANOUTS NOT MORE THAN 75' APART.

11.) CONSTRUCTION CLEANOUTS AT EACH BUILDING WASTE LINE ±2' OUTSIDE BUILDING WALL AND COORDINATE WITH MECHANICAL, ELECTRICAL, AND PLUMBING PLANS.

12.) SEE GENERAL CONSTRUCTION NOTES FOR ADDITIONAL SPECIFICATIONS.



DETAIL 'A'

SCALE: 1" = 5'

LEGEND			
17.5	EXISTING GRADE ELEVATION	FM	EXISTING FORCE MAIN
T/CURB 21.50 21.00 B/CURB	PROPOSED ELEVATION (H.P. = HIGH POINT)	GS	EXISTING GRAVITY SEWER MAIN
			EXISTING EDGE OF PAVEMENT
	RUNOFF FLOW DIRECTION		PROPOSED WATER/FIRE MAIN OR WATER SERVICE
1	PIPE INTERFERENCE POINTS		PROPOSED SANITARY SEWER LINE
WM	EXISTING WATER MAIN		PROPOSED CATCH BASIN
	PROPOSED FIRE HYDRANT		PROPOSED CLEAN OUT
M	PROPOSED WATER METER		PROPOSED ASPHALT PAVEMENT

NOTE: CITY OF STUART UTILITY DEPARTMENT'S MINIMUM DESIGN AND CONSTRUCTION STANDARDS (LATEST EDITION), ARE TO BE ADHERED TO AND WILL BE ENFORCED TO AT LEAST THESE MINIMUM STANDARDS.

NOTE:
ALL ELEVATIONS SHOWN OR REFERENCED WITHIN THESE PLANS ARE BASED UPON NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D.). TO CONVERT FROM N.A.V.D. '88 TO N.G.V.D. '29, ADD 1.48' TO THE N.A.V.D. ELEVATIONS TO GET N.G.V.D. ELEVATIONS.

Sunshine 811
Know what's below. Call before you dig.
BEFORE YOU DIG
CALL TWO (2) BUSINESS DAYS
WAIT FOR UTILITIES TO BE MARKED
RESPECT THE MARKS
DIG SAFELY

ENGINEER'S APPROVAL

SEAL

M. RANDALL RODGERS
P.E. No. 68212

DATE

THE VELCON GROUP INC.
ENGINEERS & SURVEYORS
702 S.W. PORT ST. LUCIE BLVD.
PORT ST. LUCIE, FL 34953
(772) 879-0477 – (772) 871-6659–FAX
CERTIFICATE OF AUTHORIZATION # 4942

REVISIONS

BY	DATE	DESCRIPTION
-	-	-

WATER & WASTEWATER PLAN SHEET 1

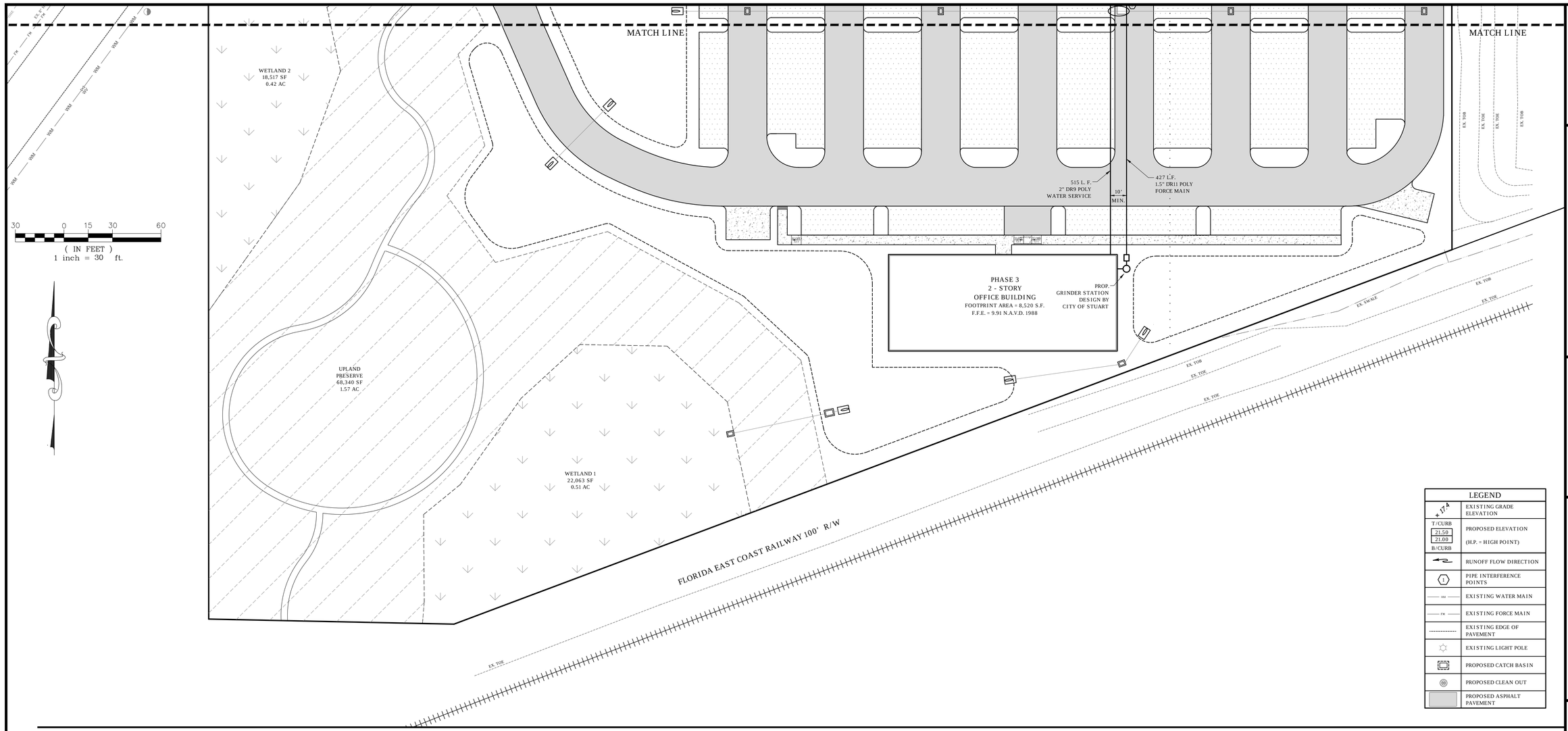
TREASURE COAST COMMUNITY CHURCH

CITY OF STUART, FLORIDA

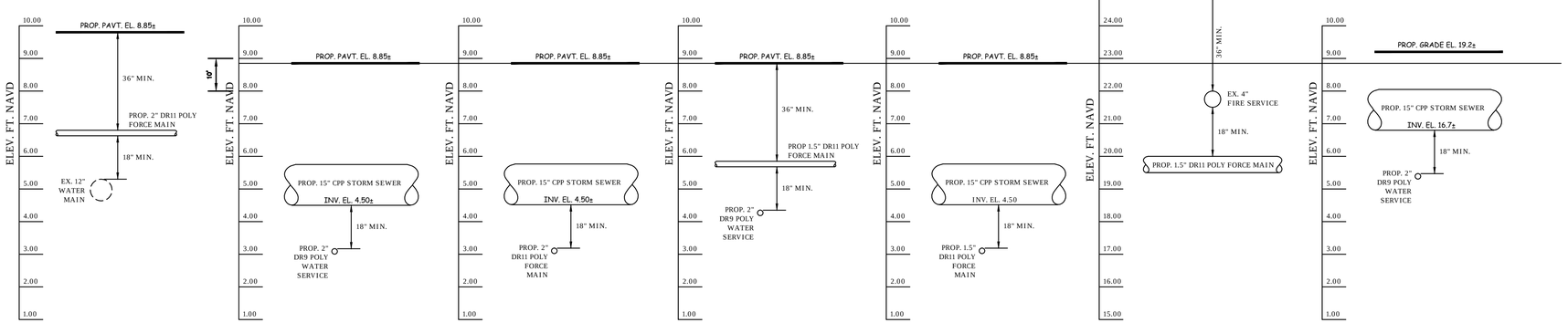
SCALE: 1"=30'
DATE: 04/17/17
DRAWN BY: RR
CHECKED BY: RR
CADD FILE: 16-014ENG.DWG

SHEET NO.: 6
OF : -

JOB No. : 16-014 ENG



LEGEND	
17.8	EXISTING GRADE ELEVATION
T/CURB 21.50 / B/CURB 21.00	PROPOSED ELEVATION (H.P. = HIGH POINT)
	RUNOFF FLOW DIRECTION
1	PIPE INTERFERENCE POINTS
WM	EXISTING WATER MAIN
FM	EXISTING FORCE MAIN
	EXISTING EDGE OF PAVEMENT
	EXISTING LIGHT POLE
	PROPOSED CATCH BASIN
	PROPOSED CLEAN OUT
	PROPOSED ASPHALT PAVEMENT



INTERFERENCE POINT #1
SCALE: 1" = 3' H
1" = 3' V

INTERFERENCE POINT #2
SCALE: 1" = 3' H
1" = 3' V

INTERFERENCE POINT #3
SCALE: 1" = 3' H
1" = 3' V

INTERFERENCE POINT #4
SCALE: 1" = 3' H
1" = 3' V

INTERFERENCE POINT #5
SCALE: 1" = 3' H
1" = 3' V

INTERFERENCE POINT #6
SCALE: 1" = 3' H
1" = 3' V

INTERFERENCE POINT #8
SCALE: 1" = 3' H
1" = 3' V

NOTE: CITY OF STUART UTILITIES DEPARTMENT'S MINIMUM DESIGN AND CONSTRUCTION STANDARDS (LATEST EDITION), ARE TO BE ADHERED TO AND WILL BE ENFORCED TO AT LEAST THESE MINIMUM STANDARDS.

NOTE:
ALL ELEVATIONS SHOWN OR REFERENCED WITHIN THESE PLANS ARE BASED UPON NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D.), TO CONVERT FROM N.A.V.D. '88 TO N.G.V.D. '29, ADD 1.48' TO THE N.A.V.D. ELEVATIONS TO GET N.G.V.D. ELEVATIONS.

Sunshine 811
Always call two before you dig
BEFORE YOU DIG
CALL SUNSHINE TWO DAYS
WAIT FOR THE SITE TO BE MARKED
RESPECT THE MARKINGS
DIG SAFELY

ENGINEER'S APPROVAL
SEAL
M. RANDALL RODGERS P.E. No. 68212
DATE

THE VELCON GROUP INC.
ENGINEERS & SURVEYORS
702 S.W. PORT ST. LUCIE BLVD.
PORT ST. LUCIE, FL 34953
(772) 879-0477 – (772) 871-6659-FAX
CERTIFICATE OF AUTHORIZATION # 4942

REVISIONS
DESCRIPTION
BY
DATE

WATER & WASTEWATER PLAN
SHEET 2

TREASURE COAST
COMMUNITY CHURCH
CITY OF STUART, FLORIDA

SCALE : 1" = 30'
DATE: 04/17/17
DRAWN BY: RR
CHECKED BY: RR
CADD FILE : 16-014SHT2.DWG

SHEET NO.: 7
OF : -
JOB No. : 16-014 ENG

CITY OF STUART
WATER DISTRIBUTION NOTES

1. ALL CONSTRUCTION MATERIAL, INSTALLATION AND TESTING SHALL CONFORM TO THE STANDARD SPECIFICATIONS OF THE CITY OF STUART.
2. WATER MAIN WHERE SPECIFIED AS POLYVINYL CHLORIDE (PVC) SHALL CONFORM TO AWWA C-900 OR C-905, PRESSURE CLASS 150 OR 235, DR (18).
3. MIN. CLASS 50 WATER MAIN, WHERE SPECIFIED AS DUCTILE IRON PIPE , SHALL CONFORM TO ANSI/AWWA C-150/A-21.50 OR ANSI/AWWA C-151/A-21.51 AND SHALL BE PRESSURE CLASS 350 (MINIMUM).
4. POLYVINYL CHLORIDE WATER MAIN SHALL BE BLUE IN COLOR. THE USE OF IDENTIFICATION TAPE ATTACHED TO THE TOP OF THE PIPE MAY BE USED IN LIEU OF MARKING ON THE PIPE, ALSO DIP PIPE SHALL REQUIRE THE USE OF IDENTIFICATION TAPE. ALL PIPE REQUIRE THHN TRACER WIRE.
5. FITTINGS SHALL BE CAST OR DUCTILE IRON, CONFORMING TO AWWA C-110 AND ANSI A21.11, CLASS 250 MINIMUM, CEMENT LINED, AND SEAL COATED.
6. GATE VALVES SHALL BE MUELLER RESILIENT WEDGE SEAT, AMERICAN, CLOW, OR APPROVED EQUAL. VALVES SHALL CONFORM TO AWWA C-509.
7. WATER LINES SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE CITY OF STUART'S DESIGN AND CONSTRUCTION STANDARDS. THE CONTRACTOR SHALL SUBMIT CERTIFIED DENSITY TESTS AS REQUIRED BY THE CITY AND THE COUNTY, FDOT. IN CASES WHERE PAVED AREAS FALL WITHIN THE JURISDICTION OF LOCAL OR STATE AGENCIES, THE COMPACTION REQUIREMENTS SHALL NOT BE LESS THAN THE MINIMUM REQUIRED BY THE APPROPRIATE RESPONSIBLE AGENCY.
8. NO FIELD CHANGES OR DEVIATIONS FROM THE DESIGN SHALL BE MADE WITHOUT PRIOR APPROVAL OF THE ENGINEER AND CITY/COUNTY/FDOT.
9. THE CONTRACTOR SHALL NOTIFY THE ENGINEER, CITY OF STUART AND COUNTY/FDOT 48 HOURS PRIOR TO COMMENCING CONSTRUCTION.
10. A PRE-CONSTRUCTION CONFERENCE BETWEEN THE ENGINEER, THE CONTRACTOR, THE CITY, COUNTY/FDOT AND ANY OTHER APPLICABLE AGENCIES SHALL BE MANDATORY PRIOR TO COMMENCEMENT OF CONSTRUCTION.
11. TRAFFIC CONTROL, BARRICADES, ETC., SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF OF TRANSPORTATION STANDARDS AND APPROVED BY THE CITY ENGINEER.
12. MINIMUM COVER SHALL BE 36 INCHES EXCEPT AS APPROVED BY THE ENGINEER AND CITY/COUNTY/FDOT.
13. DISTURBED AREAS SHALL BE RESTORED IN CONFORMANCE WITH THE APPLICABLE GOVERNING AGENCY REQUIREMENTS.
14. EXISTING UTILITIES AND DRAINAGE SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION AND PROTECTED BY THE CONTRACTOR.
15. WATER MAINS SHALL BE TESTED AND DISINFECTED IN ACCORDANCE WITH THE APPLICABLE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AND AWWA C-601 FOR DISINFECTION.

STANDARD UTILITY DETAILS
Cit□o□Stuart Pu□lic Work□De□art□ent
121 S.W. Flagler Avenue, Struart, Florida 34994
(772) 288-5300

WATER DISTRIBUTION NOTES
DATE: FEBRUARY, 2012
FILE NAME: 2012 COS Std Details.dwg
SHEET NUMBER 1

CITY OF STUART
WATER DISTRIBUTION NOTES
CONTINUED

16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EXISTING UTILITIES AND DRAINAGE.
17. THE CONTRACTOR SHALL FURNISH RECORD DRAWING INFORMATION TO THE ENGINEER INCLUDING LOCATIONS OF VALVES, FITTINGS, SERVICE CONNECTIONS, BLOWOFFS, AIR RELEASE VALVES, AND ANY OTHER PERTINENT INFORMATION NECESSARY TO LOCATE ITEMS CONSTRUCTED UNDER THIS PROJECT, AS REQUIRED BY THE UTILITIES ENGINEER.
18. THE CONTRACTOR SHALL TAP EXISTING LINES UNDER THE SUPERVISION OF THE CITY OF STUART ONLY AFTER TESTING AND DISINFECTION HAS BEEN COMPLETED AND APPROVED ON THE TAPPING SLEEVE AND VALVE.
19. WATER MAIN SHALL BE MARKED BY THE USE OF CONTINUOUS 10 GAUGE THHN MULTI STRANDED WIRE (BLUE IN COLOR) AND IDENTIFICATION TAPE WITH "WATER" MARKED ON TAPE, PERMANENTLY ATTACHED TO THE TOP OF THE WATER MAIN IN ACCORDANCE WITH THE CITY OF STUART SPECIFICATIONS.
20. SERVICE TAPS SHALL BE PLACED APPROXIMATELY THREE FEET AWAY FROM GATE VALVES, AS SHOWN, FOR TESTING. FOLLOWING TESTING AND STERILIZATION OF WATER LINES. CONTRACTOR SHALL PLACE A BRASS PLUG IN CORPORATION STOPS AND CURB STOPS SHALL BE REMOVED FROM TESTING LOCATIONS.
21. MECHANICAL RESTRAINTS TO BE USED ON ALL FITTINGS AND PLACED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND CITY OF STUART REQUIREMENTS.
22. ALL MAINS SHALL BE TESTED AT A MINIMUM OF 150 PSI. TESTING METHODS SHALL CONFORM TO AWWA C-600.

$L = \frac{SD(P)^{1/2}}{133,200}$ OR CURRENT AWWA STANDARD
L= LEAKAGE IN GPH
S= LENGTH OF PIPE IN FEET
D= PIPE DIAMETER IN INCHES
P= TESTING PRESSURE IN PSI

23. PRIOR TO ANY TESTING, ALL MAINS 3" IN DIA. AND LARGER SHALL HAVE A LINE SIZE SWAB PASSED THRU THE ENTIRE LENGTH OF THE LINE. NOTE: SWAB SHOULD BE PLACED IN 1st. JOINT OF NEW LINE. END OF MAIN SHOULD BE "TURNED UP" AT 45% AND EXTENDED SO THAT SWABBING AND A FULL BORE FLUSH CAN BE ACCOMPLISHED. BLOW-OFF ASSY CAN THEN BE PLACED. WHERE LINES BRANCH, SWABS WILL BE PLACED IN BRANCH LINES AND SEQUENTIALLY SWABBED AND FLUSHED.
24. TEN FEET MINIMUM HORIZONTAL AND 18 INCHES MINIMUM VERTICAL SEPARATION SHALL BE MAINTAINED BETWEEN THE WATER MAIN AND ANY WASTWATER LINES. THE DISTANCE SHALL BE MEASURED FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE OR STRUCTURE. WHERE THIS MINIMUM SEPARATION CANNOT BE MAINTAINED, THE CROSSING SHALL BE ARRANGED SO THAT THE WASTEWATER PIPE JOINTS AND THE WATER MAIN PIPE JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING, AND THE WATER MAIN SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE (DIP) AT THE CROSSING. SUFFICIENT LENGTHS OF DIP MUST BE USED TO PROVIDE A MINIMUM SEPARATION OF 10 FEET BETWEEN ANY TWO JOINTS. ALL JOINTS ON THE WATER MAIN WITHIN 20 FEET OF THE CROSSING MUST BE MECHANICALLY RESTRAINED. A MINIMUM VERTICAL CLEARANCE OF 6 INCHES MUST BE MAINTAINED AT ALL CROSSINGS.
25. WHERE A WATER MAIN IS TO BE INSTALLED BELOW A STORM DRAIN PIPE, A MINIMUM OF 6 INCHES OF VERTICAL CLEARANCE BETWEEN PIPES SHALL BE CONSTRUCTED OF DIP AT THE CROSSING, AND SHALL BE MECHANICALLY RESTRAINED WITHIN 20 FEET OF THE CROSSING.
26. CONTRACTOR SHALL COMPLY WITH FLORIDA TRENCH SAFETY ACT REQUIREMENTS.

STANDARD UTILITY DETAILS
Cit□o□Stuart Pu□lic Work□De□art□ent
121 S.W. Flagler Avenue, Struart, Florida 34994
(772) 288-5300

WATER DISTRIBUTION NOTES
DATE: FEBRUARY, 2012
FILE NAME: 2012 COS Std Details.dwg
SHEET NUMBER 2

CITY OF STUART
WASTEWATER CONSTRUCTION NOTES

1. ALL CONSTRUCTION MATERIAL, INSTALLATION AND TESTING SHALL CONFORM TO THE STANDARD SPECIFICATIONS OF THE CITY OF STUART.
2. GRAVITY SEWER MAIN SHALL BE POLYVINYL CHLORIDE SDR-26, GREEN IN COLOR, GRAVITY SEWER MAIN SHALL HAVE CONTINUOUS 10 GAUGE THHN WIRE, GREEN IN COLOR.
3. THE MANHOLE BASE SHALL BE SET ON A FIRM, DRY AND STABLE OR COMPACTED BASE FOUNDATION. IF NECESSARY, THE CONTRACTOR SHALL UTILIZE ROCK TO PROVIDE A FIRM AND SUITABLE MANHOLE BASE FOUNDATION.
4. WASTEWATER LINES SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE CITY OF STUART DESIGN AND CONSTRUCTION STANDARDS. THE CONTRACTOR SHALL SUBMIT CERTIFIED DENSITY TESTS AS REQUIRED BY THE CITY. IN CASES WHERE PAVED AREAS FALL WITHIN THE JURISDICTION OF LOCAL OR STATE AGENCIES, THE COMPACTION REQUIREMENTS SHALL NOT BE LESS THAN THE MINIMUM REQUIRED BY THE APPROPRIATE RESPONSIBLE AGENCY.
5. A 1% MINIMUM SLOPE SHALL BE MAINTAINED ON ALL SANITARY SERVICE LATERALS.
6. THE CONTRACTOR SHALL FURNISH RECORD DRAWING INFORMATION TO THE ENGINEER CONSISTING OF PIPE SIZES, LOCATION OF SERVICE TEE WYES, DIAMETER OF SERVICES, LOCATION OF ANY FITTINGS, FINAL RIM AND INVERT ELEVATION OF ALL MANHOLES AND ANY OTHER PERTINENT INFORMATION NECESSARY TO LOCATE ITEMS CONSTRUCTED UNDER THIS PROJECT.
7. MAINTAIN 10 FEET HORIZONTAL DISTANCE BETWEEN WATER MAINS AND SEWER MAINS AS A MINIMUM.
8. WASTEWATER FORCE MAINS, WASTEWATER COLLECTION LINES, AND STORM SEWERS SHOULD CROSS UNDER WATER MAINS WHENEVER POSSIBLE. A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE INVERT OF THE UPPER PIPE AND THE CROWN OF THE LOWER PIPE SHALL BE PROVIDED WHENEVER POSSIBLE. WHERE THIS MINIMUM SEPARATION CANNOT BE MAINTAINED, THE CROSSING SHALL BE ARRANGED SO THAT THE WASTEWATER PIPE JOINTS AND THE WATER PIPE JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING, AND THE WATER MAIN SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE (DIP) AT THE CROSSING. SUFFICIENT LENGTHS OF DIP MUST BE USED TO PROVIDE A MINIMUM SEPARATION OF 10 FEET BETWEEN ANY TWO JOINTS. ALL JOINTS ON THE WATER MAIN WITHIN 20 FEET OF THE CROSSING MUST BE MECHANICALLY RESTRAINED. A MINIMUM VERTICAL CLEARANCE OF 6 INCHES MUST BE MAINTAINED AT ALL CROSSINGS.
9. A PRE-CONSTRUCTION CONFERENCE BETWEEN THE ENGINEER, THE CONTRACTOR, CITY OF STUART PUBLIC WORKS DEPARTMENT, COUNTY/FDOT AND ANY OTHER NECESSARY AGENCY SHALL BE MANDATORY PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
10. NO FIELD CHANGES OR DEVIATIONS FROM THE DESIGN SHALL BE MADE WITHOUT PRIOR APPROVAL FROM THE ENGINEER, CITY, OR COUNTY/FDOT.
11. TRAFFIC CONTROL, BARRICADES, ETC. SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS.
12. CONTRACTOR SHALL NOTIFY THE CITY OF STUART 48 HOURS PRIOR TO COMMENCING CONSTRUCTION.
13. WASTEWATER FORCE MAIN SHALL BE POLYVINYL CHLORIDE CONFORMING TO AWWA C-900, AND SHALL BE CLASS 150, DR-18 (12" AND SMALLER), OR DR-21, AWWA C-905 (14" AND ABOVE).
14. WASTEWATER FORCE MAIN SHALL BE GREEN IN COLOR. WASTEWATER FORCE MAIN SHALL HAVE THHN WIRE & LOCATOR TAPE WITH "SEWER" MARKED ON TAPE.
15. FITTINGS SHALL BE CAST OR DUCTILE IRON, CONFORMING TO AWWA C-110 AND ANSI A21.11, CLASS 250 MINIMUM, CEMENT LINED, AND SEAL COATED.
16. WASTEWATER FORCE MAIN SHALL BE MARKED BY THE USE OF CONTINUOUS 10 GAUGE THHN WIRE (BROWN IN COLOR) PERMANENTLY ATTACHED TO THE TOP OF THE FORCE MAIN WITH LOCATOR TAPE MARKED "SEWER" ON TAPE IN ACCORDANCE WITH CITY SPECIFICATIONS.
17. MINIMUM COVER SHALL BE 48 INCHES, PIPES WITH LESS COVER REQUIRE PRIOR APPROVAL OF THE ENGINEER AND CITY OF STUART AND SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE.
18. EACH SERVICE LATERAL WILL BE MARKED WITH A LOCATOR BALL AS MANUFACTURED BY 3M CORPORATION, OR APPROVED EQUAL.
19. ALL MANHOLES SHALL HAVE SEWER RAIN GUARDS INSTALLED.
20. THE CONTRACTOR SHALL COMPLY WITH THE FLORIDA TRENCH SAFETY ACT REQUIREMENTS.
21. PRIOR TO ANY TESTING, ALL MAINS 3" IN DIA. AND LARGER SHALL HAVE A LINE SIZE SWAB PASSED THRU THE ENTIRE LENGTH OF THE LINE. NOTE: SWAB SHOULD BE PLACED IN 1st. JOINT OF NEW LINE. END OF MAIN SHOULD BE "TURNED UP" AT 45% AND EXTENDED SO THAT SWABBING AND A FULL BORE FLUSH CAN BE ACCOMPLISHED. BLOW-OFF ASSY CAN THEN BE PLACED. WHERE LINES BRANCH, SWABS WILL BE PLACED IN BRANCH LINES AND SEQUENTIALLY SWABBED AND FLUSHED.

STANDARD UTILITY DETAILS
Cit□o□Stuart Pu□lic Work□De□art□ent
121 S.W. Flagler Avenue, Struart, Florida 34994
(772) 288-5300

WASTEWATER CONSTRUCTION NOTES
DATE: FEBRUARY, 2012
FILE NAME: 2012 COS Std Details.dwg
SHEET NUMBER 3

STANDARD SEPARATION STATEMENT FOR
WATER / RECLAIMED / SEWER CONFLICTS

1. SANITARY SEWER, FORCE MAINS, AND STORM SEWERS SHOULD CROSS UNDER WATER MAINS WHENEVER POSSIBLE. SANITARY SEWERS, FORCE MAINS, RECLAIM WATER MAINS AND STORM SEWERS CROSSING WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE INVERT OF THE UPPER PIPE AND THE CROWN OF THE LOWER PIPE WHENEVER POSSIBLE.

   WHERE SANITARY SEWER, FORCE MAINS, RECLAIMED WATER MAINS AND STORM SEWERS MUST CROSS A WATER MAIN LESS THAN 18 INCHES VERTICAL DISTANCE, BOTH THE SEWER AND WATER MAIN SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE (DIP) AT THE CROSSING. (DIP IS NOT REQUIRED FOR STORM SEWERS.) SUFFICIENT LENGTHS OF DIP MUST BE USED TO PROVIDE A MINIMUM SEPARATION OF 10 FEET BETWEEN TWO JOINTS. ALL JOINTS ON THE WATER MAIN WITHIN 20 FEET OF THE CROSSING MUST BE MECHANICALLY RESTRAINED. A MINIMUM VERTICAL CLEARANCE OF 6 INCHES MUST BE MAINT-AINED AT ALL CROSSINGS.

   ALL CROSSINGS SHALL BE ARRANGED SO THAT THE SEWER PIPE JOINTS AND WATER MAIN PIPE JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING (PIPES CENTERED ON THE CROSSING).

   WHERE A NEW PIPE CONFLICTS WITH AN EXISTING PIPE WITH LESS THAN 18 INCHES VERTICAL CLEARANCE, THE NEW PIPE SHALL BE CONSTRUCTED OF DIP (EXCEPT STORM SEWERS) AND NEW PIPES SHALL BE ARRANGED TO MEET THE CROSSING REQUIREMENTS ABOVE.

2. A MINIMUM 10-FOOT HORIZONTAL SEPARATION SHALL BE MAINT-AINED BETWEEN ANY TYPE OF SEWER AND WATER MAIN IN PARALLEL INSTALLATIONS WHENEVER POSSIBLE.

   IN CASES WHERE IT IS NOT POSSIBLE TO MAINTAIN A 10-FOOT HORIZONTAL SEPARATION, THE WATER MAIN MUST BE LAID IN A SEPARATE TRENCH OR ON A UNDISTURBED EARTH SHELF LOCATED ON ONE SIDE OF THE SEWER OR FORCE MAIN AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER.

   WHERE IT IS NOT POSSIBLE TO MAINTAIN A VERTICAL DISTANCE OF 18 INCHES IN PARALLEL INSTALLATIONS, THE WATER MAIN SHALL BE CONSTRUCTED OF DIP AND THE SEWER OR THE FORCE MAIN SHALL BE CONSTRUCTED OF DIP (EXCEPT STORM SEWER) WITH A MINIMUM VERTICAL DISTANCE OF 6 INCHES. THE WATER MAIN SHOULD ALWAYS BE ABOVE THE SEWER. JOINTS ON THE WATER MAIN SHALL BE LOCATED AS FAR APART AS POSSIBLE FROM JOINTS ON THE SEWER OR FORCE MAIN (STAGGERED JOINTS).

3. ALL DIP SHALL BE PRESSURE CLASS 350 MIN.. ADEQUATE PROTECTIVE MEASURES AGAINST CORROSION SHALL BE USED AS DETERMINED BY THE DESIGN ENGINEER.

STANDARD UTILITY DETAILS
Cit□o□Stuart Pu□lic Work□De□art□ent
121 S.W. Flagler Avenue, Struart, Florida 34994
(772) 288-5300

WATER and SEWER CONFLICT NOTES
DATE: FEBRUARY, 2012
FILE NAME: 2012 COS Std Details.dwg
SHEET NUMBER 4

NOTES:

1. THE CONTRACTOR SHALL COMPLY WITH REQUIREMENTS OF THE FLORIDA TRENCH SAFETY ACT.
2. INITIAL BACKFILL SHALL BE HAND PLACED TO 12" ABOVE THE PIPE. BACKFILL SHALL BE MECHANICALLY TAMPED TO A MINIMUM OF 98% OF MAX. DENSITY AS DETERMINED BY AASHTO METHOD T-180.

TYPICAL TRENCH DETAIL

STANDARD UTILITY DETAILS
Cit□o□Stuart Pu□lic Work□De□art□ent
121 S.W. Flagler Avenue, Struart, Florida 34994
(772) 288-5300

TYPICAL TRENCH DETAIL
DATE: FEBRUARY, 2012
FILE NAME: 2012 COS Std Details.dwg
SHEET NUMBER □

NOTES:

1. IN CERTAIN SOIL CONDITIONS A FOUNDATION MAY BE REQUIRED.
2. BEDDING IS REQUIRED PRIMARILY TO BRING THE TRENCH BOTTOM UP TO GRADE. BEDDING MATERIALS SHALL PROVIDE A UNIFORM AND ADEQUATE LONGITUDINAL SUPPORT UNDER THE PIPE.
3. HAUNCHING MATERIAL SHALL BE HAND PLACED TO THE SPRINGLINE OF THE PIPE. MATERIAL SHALL BE CONSOLIDATED UNDER THE PIPE AND HAND TAMPED TO PROVIDE ADEQUATE SIDE SUPPORT.
4. INITIAL BACKFILL MATERIAL SHALL BE HAND PLACED TO 12" ABOVE THE TOP OF PIPE AND BE COMPACTED USING A HAND OPERATING TAMPING DEVICE.
5. BACKFILL SHALL BE COMPACTED TO 98% OF MAX. DENSITY AS PER AASHTO T-180, TO A POINT 30" BELOW PROPOSED PROFILE GRADE OR EXISTING GRADE. THE FINAL 30" OF BACKFILL SHALL BE COMPACTED TO 98% OF MAX. DENSITY AS PER AASHTO T-180.
6. DENSITY TEST SHALL BE PREFORMED AT AREAS DETERMINED BY THE DESIGN ENGINEER OR PERMIT AGENCY HAVING JURISDICTION, AT THE CONTRACTORS EXPENSE.

BACKFILLING RE□UIREMENTS

STANDARD UTILITY DETAILS
Cit□o□Stuart Pu□lic Work□De□art□ent
121 S.W. Flagler Avenue, Struart, Florida 34994
(772) 288-5300

BACKFILLING RE□UIREMENTS
DATE: FEBRUARY, 2012
FILE NAME: 2012 COS Std Details.dwg
SHEET NUMBER 10

CONCRETE VALVE COLLAR

STANDARD UTILITY DETAILS
Cit□o□Stuart Pu□lic Work□De□art□ent
121 S.W. Flagler Avenue, Struart, Florida 34994
(772) 288-5300

CONCRETE VALVE COLLAR
DATE: FEBRUARY, 2012
FILE NAME: 2012 COS Std Details.dwg
SHEET NUMBER 17

1. HYDRANT SHALL BE INSTALLED PLUMB & TRUE.
2. HYDRANT SHALL BE PAINTED CARNIVAL RED FROM FACTORY.
3. HEEL TO BE SUPPORTED WITH CONCRETE (BAGGED)
4. HYDRANT ASSEMBLY MUST BE RESTRAINED TO TEE.
5. ALL FITTINGS TO BE MECHANICAL JOINT.
6. ENTIRE ASSEMBLY TO BE MECHANICALLY RESTRAINED.
7. ALL HYDRANTS ARE TO UTILIZE ANCHOR COUPLINGS.
8. THE CONNECTOR PIPE SHALL BE CEMENT LINED, CLASS 350 D.I.P

TYPICAL FIRE HYDRANT ASSEMBLY

STANDARD UTILITY DETAILS
Cit□o□Stuart Pu□lic Work□De□art□ent
121 S.W. Flagler Avenue, Struart, Florida 34994
(772) 288-5300

TYPICAL FIRE HYDRANT ASSEMBLY
DATE: FEBRUARY, 2012
FILE NAME: 2012 COS Std Details.dwg
SHEET NUMBER 25

BACTERIOLOGICAL SAMPLING POINT DETAIL

NOTE: ADD LAMINATED SIGN NOTING THAT "TESTING IS IN PROGRESS - DO NOT DISTURB" WHILE SAMPLE POINT IS IN SERVICE.

STANDARD UTILITY DETAILS
Cit□o□Stuart Pu□lic Work□De□art□ent
121 S.W. Flagler Avenue, Struart, Florida 34994
(772) 288-5300

BACTERIOLOGICAL SAMPLING POINT DETAIL
DATE: FEBRUARY, 2012
FILE NAME: 2012 COS Std Details.dwg
SHEET NUMBER 28

NOTES:

1. LANDSCAPING REQUIRED PER CITY OF STUART ORDINANCE. NO PLANTS OR TREES WITHIN 18" AROUND METER OR BACKFLOW. MUST BE SCREENED AT PLANT IN HEIGHT (NO GROW IN PERIOD)
2. ASSEMBLY TO BE 18" FROM FINISH GRADE TO CENTERLINE OF THE 90° BEND.
3. RECLAIMED WATER METER ASSEMB*LY MUST BE PAINTED PANTONE PURPLE 522.*
4. *NO SOLDER JOINTS.*

1 1/2" - 2" WATER / RECLAIMED WATER METER/BACKFLOW PREVENTER ASSEMBLY DOMESTIC SERVICE □COMMERCIAL□

STANDARD UTILITY DETAILS
Cit□o□Stuart Pu□lic Work□De□art□ent
121 S.W. Flagler Avenue, Struart, Florida 34994
(772) 288-5300

TYPICAL BACKFLOW PREVENTOR ASSEMBLY
DATE: FEBRUARY, 2012
FILE NAME: 2012 COS Std Details.dwg
SHEET NUMBER 30

NOTE:

1. LANDSCAPING IS REQUIRED PER CITY OR COUNTY ORDINANCE. PLANTINGS MUST SCREEN AT PLANT HEIGHT, NO GROW IN PERIOD.

DOUBLE CHECK VALVE w/ DETECTOR CHECK ASSEMBLY / FIRE SERVICE

STANDARD UTILITY DETAILS
Cit□o□Stuart Pu□lic Work□De□art□ent
121 S.W. Flagler Avenue, Struart, Florida 34994
(772) 288-5300

DOUBLE CHECK VALVE w/ DETECTOR CHECK ASSEMBLY
DATE: FEBRUARY, 2012
FILE NAME: 2012 COS Std Details.dwg
SHEET NUMBER 33

NOTES:

1. TRACE WIRE IS REQUIRED ON ALL PIPE AS NOTED BY UTILITIES ENGINEER, AND SHOWN IN STANDARD DETAILS.
2. INCLUDE ALL COST OF MATERIAL & LABOR IN PRICE OF PIPE.
3. CONTRACTOR IS RESPONSIBLE FOR CONTINUITY OF ALL TRACE WIRE.

TRACE WIRE DETAIL

STANDARD UTILITY DETAILS
Cit□o□Stuart Pu□lic Work□De□art□ent
121 S.W. Flagler Avenue, Struart, Florida 34994
(772) 288-5300

TRACE WIRE DETAIL
DATE: FEBRUARY, 2012
FILE NAME: 2012 COS Std Details.dwg
SHEET NUMBER 34

NOTE:

SERVICE LATERALS SHALL TERMINATE AT ℙ AT A DEPTH OF (3)FEET, PLUGGED WATERTIGHT AND MARKED WITH 2"x2" TREATED STAKE AND ELECTRONIC MARKER

SERVICE CONNECTION □LATERAL□

STANDARD UTILITY DETAILS
Cit□o□Stuart Pu□lic Work□De□art□ent
121 S.W. Flagler Avenue, Struart, Florida 34994
(772) 288-5300

SERVICE CONNECTION □LATERAL□
DATE: FEBRUARY, 2012
FILE NAME: 2012 COS Std Details.dwg
SHEET NUMBER 41

TERMINAL CLEANOUT DETAIL
□POSSIBLE TRAFFIC AREA□

STANDARD UTILITY DETAILS
Cit□o□Stuart Pu□lic Work□De□art□ent
121 S.W. Flagler Avenue, Struart, Florida 34994
(772) 288-5300

TERMINAL CLEANOUT DETAIL □POSSIBLE TRAFFIC AREA□
DATE: FEBRUARY, 2012
FILE NAME: 2012 COS Std Details.dwg
SHEET NUMBER 43

GENERAL NOTES

1. REPLACED BASE MATERIAL OVER DITCH SHALL BE TWICE THE THICKNESS OF THE ORGINAL BASE.
2. BASE MATERIAL SHALL BE PLACED IN TWO OR THREE LAYERS AND EACH LAYER THOROUGHLY ROLLED OR TAMPED TO MAXIMUM DENSITY.
3. ASPHALT CONCRETE PAVEMENT JOINTS SHALL BE MECHANICALLY SAWED.
4. SURFACED TREATED PAVEMENT JOINTS SHALL BE LAPPED AND FEATHERED.
5. SURFACE MATERIAL WILL BE CONSISTENT WITH THE EXISTING SURFACE.

REPLACEMENT OF FLEXIBLE PAVEMENT

Sunshine 811 Always call 811 before you dig.
BEFORE YOU DIG
CALL TWO (2) BUSINESS DAYS
WAIT FOR THE SITE TO BE MARKED
RESPECT THE MARKS
DIG SAFELY

ENGINEER'S APPROVAL
SEAL
M. RANDALL RODGERS
P.E. No. 68212
DATE

THE VELCON GROUP INC.
ENGINEERS & SURVEYORS
702 S.W. PORT ST. LUCIE BLVD.
PORT ST. LUCIE, FL 34953
(772) 879-0477 - (772) 871-6659-FAX
CERTIFICATE OF AUTHORIZATION # 4942

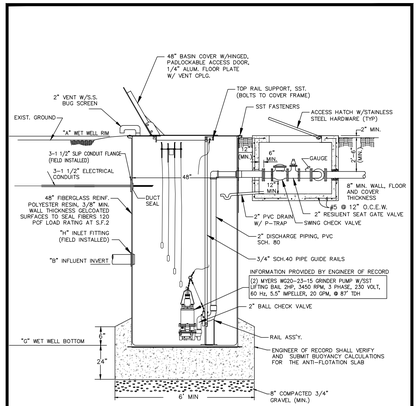
BY	DATE	REVISIONS DESCRIPTION
-	-	-

WATER DETAILS & SPECIFICATIONS

TREASURE COAST COMMUNITY CHURCH
CITY OF STUART, FLORIDA

SCALE : 1"=30'
DATE: 03/15/12
DRAWN BY: RP
CHECKED BY: RR
CADD FILE : 16-014ENG.DWG

SHEET NO.: 8
OF : -
JOB No. : 16-014 ENG



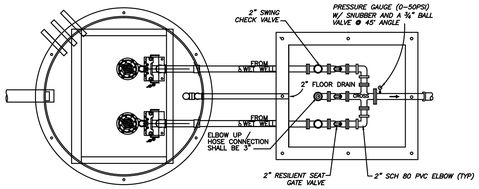
SECTION VIEW

NOT TO SCALE

STANDARD UTILITY DETAILS Cit: o: Stuart Pu: lic Work: De: art: ent 121 S.W. Flagler Avenue, Stuart, Florida 3499# (772) 288–5300	THREE PHASE DUPLEX COMMERCIAL GRINDER SYSTEM DATE: FEBRUARY, 2012 FILE NAME: 2012 CDS 3pt Details.dwg SHEET NUMBER: 50

NOTES:

1. *THE DESIGN SPECIFICATIONS FOR THE WET WELL, PUMPS, CONTROL ELEVATIONS AND VALVE VAULT SHALL BE AS SPECIFIED BY THE ENGINEER–OF–RECORD (EOR).*
2. *EOR SHALL VERIFY AND SUBMIT BUOYANCY CALCULATIONS FOR THE ANTI–FLOTATION SLAB. THE WET WELL AND VALVE VAULT BASE SHALL BE PROVIDED WITH SUITABLE SUPPORT DURING INSTALLATION TO ENSURE COMPLETE ENCAPSULATION OF CONCRETE FOR ANTI–FLOTATION.*
3. *GROUT FLOOR SHALL BE PLACED IN VALVE VAULT TO ALLOW FLOW TO DRAIN.*
4. *THE HINGES FOR THE VALVE VAULT ACCESS COVER SHALL BE ON THE LONGER SIDE.*
5. *EXCAVATION, DEWATERING, BACKFILL AND COMPACTION SHALL BE PERFORMED IN ACCORDANCE WITH CITY OF STUART UTILITY STANDARDS. DENSITY TESTS SHALL BE PERFORMED AND SUBMITTED AS REQUIRED.*
6. *INLET HUB TO BE LOCATED & INSTALLED IN THE FIELD BY INSTALLER.*
7. *FLOAT LEVELS TO BE SET IN THE FIELD BY INSTALLER.*
8. *TOP OF COVER TO BE 4" MIN, ABOVE GROUND. GROUND TO BE SLOPED TO DIRECT RUN–OFF AWAY FROM STATION.*



PLAN VIEW

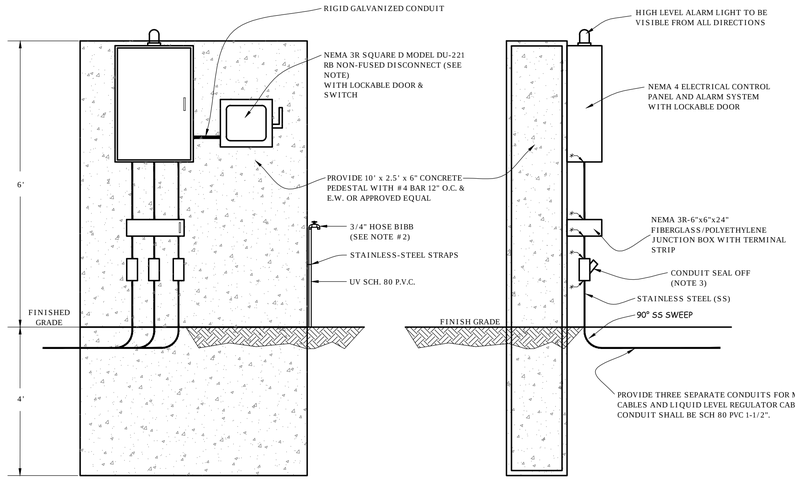
NOTE:

ALL PIPING FOR VALVE AND PUMPOUT CONNECTION ASSEMBLY SHALL BE 2" SDR–21, FLANGED PVC.

(2) MYERS WG20-23-15 GRINDER PUMPS
2 HP, 3450 RPM, 3 PHASE, 230 VOLT, 60 Hz
5.5" IMPELLER, 20 GPM, @ 87' TDH

		FT-NGVD	FT-NAVD
A	RIM ELEVATION	17.00	15.52
B	INFLUENT INVERT ELEVATION	9.50	8.01
C	ALARM	9.10	7.62
D	LAG PUMP "ON"	8.80	7.32
E	LEAD PUMP "ON"	8.55	7.07
F	PUMPS "OFF"	8.25	6.77
G	WETWELL BOTTOM ELEVATION	7.00	5.52
H	INFLUENT DIAMETER	6	IN
J	PUMPOUT CONNECTION	3	IN
K	ANTI-FLOATATION SLAB - WETWELL	24	IN
L	ANTI-FLOATATION SLAB - VALVE VAULT	15	IN

2HP THREE PHASE DUPLEX GRINDER SYSTEM GRINDER PUMP STATION

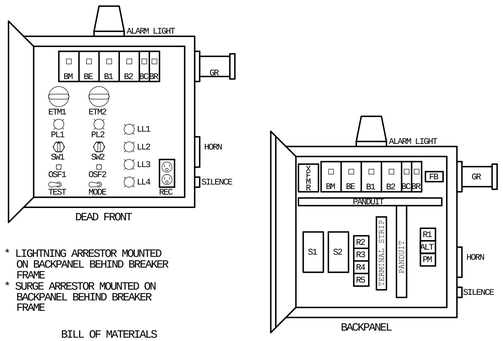


FRONT VIEW NOT TO SCALE SIDE VIEW

NOTES:

1. 230 VOLT THREE PHASE POWER SUPPLY SHALL BE SUPPLIED THROUGH THE BUILDING'S ELECTRICAL SERVICE. SEE ELECTRICAL PLANS.
2. PEDESTAL MUST BE LOCATED A MIN. OF 5' AND A MAX. OF 8' FROM THE WETWELL WALL.
3. *DUCT SEAL WITH 1" CHICO ON TOP.
4. THE PEDESTAL, CONTROL PANEL AND RELATED COMPONENTS SHALL NOT BE PAINTED.
5. A HOSE BIB WITH BACKFLOW PREVENTION ASSEMBLY SHALL BE PROVIDED.
6. CONSTRACTOR SHALL PROVIDE A RECEPTICAL TO ALLOW HOOKUP TO A GENERATOR IN ORDER TO POWER THE STATION DURING OUTAGES.

2HP THREE PHASE DUPLEX GRINDER SYSTEM CONTROL PANEL & PEDESTAL DETAIL

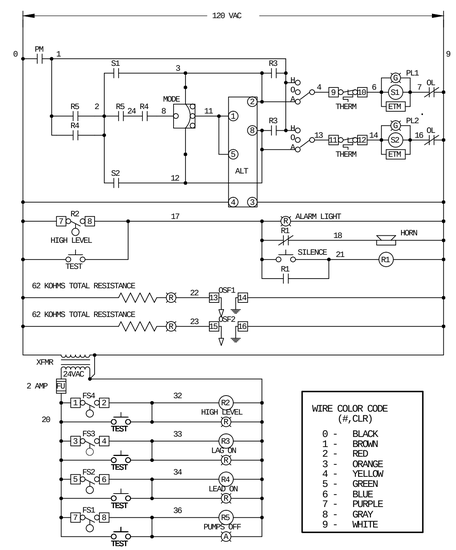


* LIGHTNING ARRESTOR MOUNTED ON BACKPANEL BEHIND BREAKER FRAME
* SURGE ARRESTOR MOUNTED ON BACKPANEL BEHIND BREAKER FRAME

BILL OF MATERIALS

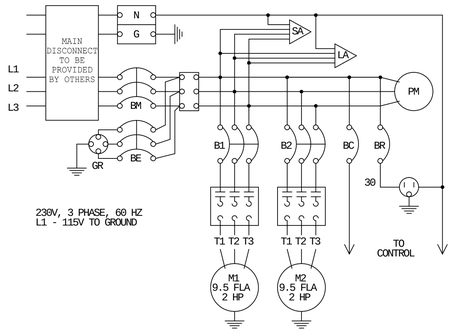
BM/BE	MAIN/EMERG BREAKERS	SQUARE D	QOU330
B1/B2	PUMP BREAKERS	SQUARE D	QOU320
BC	CONTROL BREAKER	SQUARE D	QOU115
BR	RECEPTACLE BREAKER	SQUARE D	QOU115
REC	DUPLEX RECEPTACLE	PASS & SEYMOUR	1591-I
GR	GENERATOR RECEPTACLE	PYLE NATIONAL	JRE4100PR
LA	LIGHTNING ARRESTOR	DELTA	M0603
SA	SURGE ARRESTOR	DELTA	CA603
PM	PHASE MONITOR	DIVERSIFIED	SLA230ASA
S1/S2	PUMP STARTERS	TELEMECANIQUE	LC1D1810
OL	THERMAL OVERLOAD RELAY	TELEMECANIQUE	LR2D1314
AL	ALARM LIGHT	INGRAM	LRX-40
HORN	ALARM HORN	EDWARDS	870P-N5
SIL	SILENCE	CONTROL CONCEPTS	PB4
TEST	ALARM TEST	CARLING	GFA54-73
R1	DPDT RELAY	OMRON	MK2P-S120VAC
ALT	ALTERNATOR	DIVERSIFIED	ARA120ABA
MODE	ALTERNATOR MODE SWITCH	CARLING	2GE54-73
SW1/2	HAND-OFF-AUTO SWITCH	CONTROL CONCEPTS	SS03
ETM1/2	ELAPSED TIME METER	DIVERSIFIED	FWZ-72
PL1/2	PILOT LIGHT	CARLING	FVLU120GNT
PL4-9	PUSH-TO-TEST PILOT LIGHT	CONTROL CONCEPTS	FVPTT120-IPBGRD
OSF1/2	OIL SEAL FAIL LIGHTS	LITTELFUSE	970-670A-92WRN
XFMR	120X24 TRANSFORMER	MICRON	B050LP7JK
FU	FUSE	BUSSMAN	FNM-2
R2-5	DPDT RELAY	OMRON	LY2-24VAC
ENC	PANEL ENCLOSURE	RONNEX	3RSS/242410 WITH 3 POINT DOOR LATCH

2 HP THREE PHASE DUPLEX GRINDER SYSTEM CONTROL PANEL DETAIL 1



WIRE COLOR CODE (#,CLR)	
0 -	BLACK
1 -	BROWN
2 -	RED
3 -	ORANGE
4 -	YELLOW
5 -	GREEN
6 -	BLUE
7 -	PURPLE
8 -	GRAY
9 -	WHITE

2HP THREE PHASE DUPLEX GRINDER SYSTEM CONTROL PANEL DETAIL 2



230V, 3 PHASE, 60 HZ
L1 - 115V TO GROUND

NOTES:

1) PANEL MUST BE GROUNDED IN ACCORDANCE WITH LOCAL, STATE, AND NATIONAL CODES.
2) A GROUNDED SYSTEM NEUTRAL MUST BE SUPPLIED (GROUNDING TO BE IN ACCORDANCE WITH NATIONAL ELECTRIC CODE ARTICLE 250).
3) USE COPPER CONDUCTORS RATED 60deg C IF RATED LESS THAN 100 AMPS; 75deg C IF RATED 100 AMPS OR MORE.
4) ALL CONDUITS MUST ENTER FROM BOTTOM.
5) TERMINAL TIGHTENING TORQUE REQUIREMENTS FOR NEUTRAL, GROUND AND INCOMING POWER CONNECTIONS ARE AS FOLLOWS: 35LB-IN FOR #1B-#10AWG; 40LB-IN FOR #9AWG AND 45LB-IN FOR #6-#4AWG.
6) TERMINAL TIGHTENING TORQUE REQUIREMENTS FOR #18AWG PUMP CONTROL CABLES AND FLOATS ARE 20LB-IN.
7) MAIN & EMERGENCY BREAKERS ARE MECHANICALLY INTERLOCKED TO PREVENT SIMULTANEOUS OPERATION.
8) GENERATOR POWER REQUIREMENT IS 7kW CONTINUOUS OUTPUT WITH 30 AMPERE RATING @ 230V, 3 PHASE, 60HZ.

2HP THREE PHASE DUPLEX GRINDER SYSTEM CONTROL PANEL DETAIL 3

NOTE:
ALL ELEVATIONS SHOWN OR REFERENCED WITHIN THESE PLANS ARE BASED UPON NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D.). TO CONVERT FROM N.A.V.D. '88 TO N.G.V.D. '29, ADD 1.48' TO THE N.A.V.D. ELEVATIONS TO GET N.G.V.D. ELEVATIONS.

Sunshine 811
Always Call Two Before you Dig
BEFORE YOU DIG
CALL SUNSHINE TWO DAYS
WAIT FOR THE SITE TO BE MARKED
RESPECT THE MARKINGS
DIG SAFELY

ENGINEER'S APPROVAL

SEAL

M. RANDALL RODGERS P.E. No. 68212

DATE

THE VELCON GROUP INC.
ENGINEERS & SURVEYORS
702 S.W. PORT ST. LUCIE BLVD.
PORT ST. LUCIE, FL 34953
(772) 879–0477 – (772) 871–6659–FAX
CERTIFICATE OF AUTHORIZATION # 4942

REVISIONS

BY	DESCRIPTION	DATE

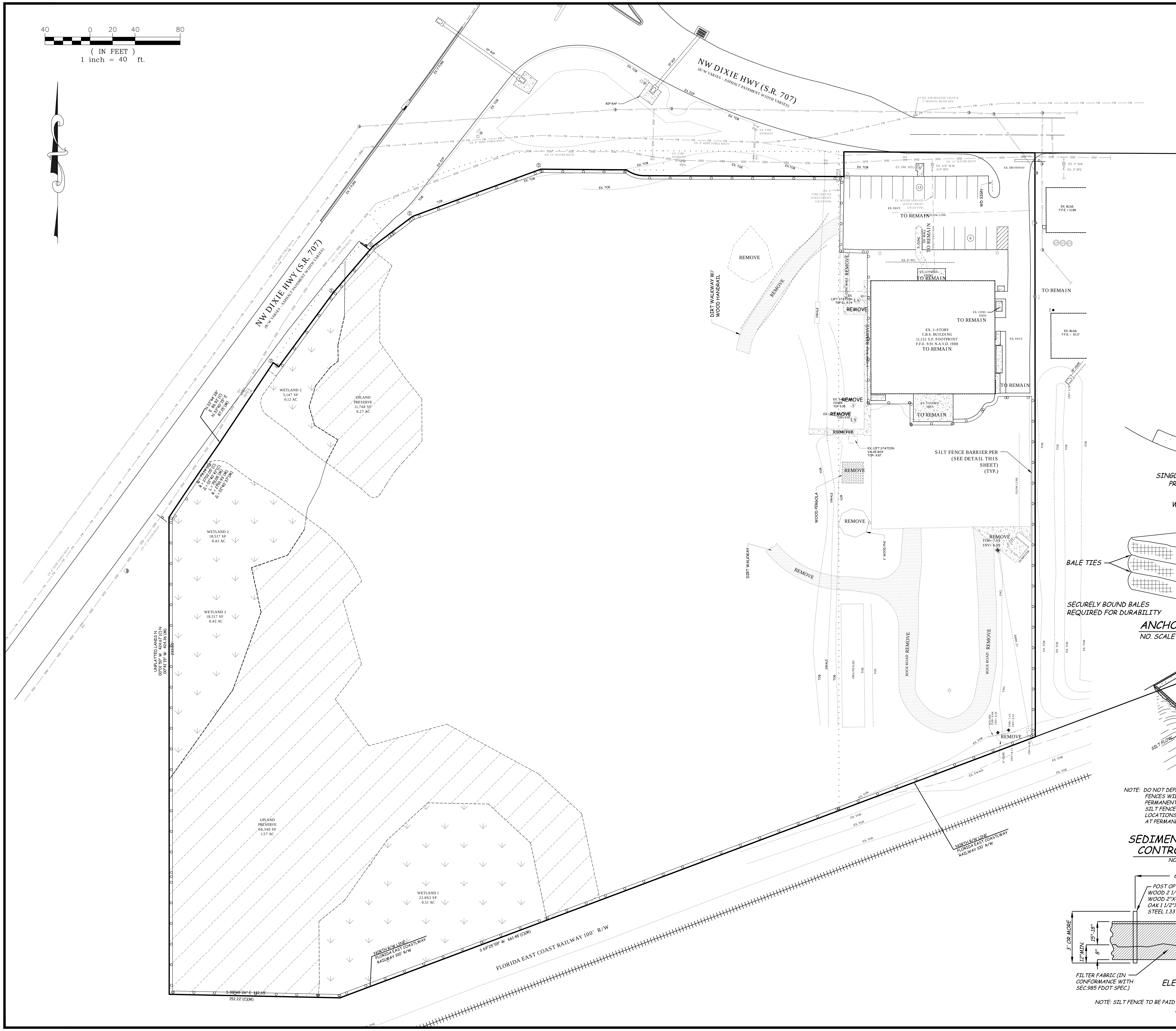
GRINDER STATION DETAILS & SPECIFICATIONS

TREASURE COAST COMMUNITY CHURCH
CITY OF STUART, FLORIDA

SCALE : 1" = 30'
DATE: 04/17/17
DRAWN BY: RR
CHECKED BY: RR
CAD I.D.: 16-014 ENG.DWG

SHEET NO.: 9
OF : -

JOB No. : 16–014 ENG



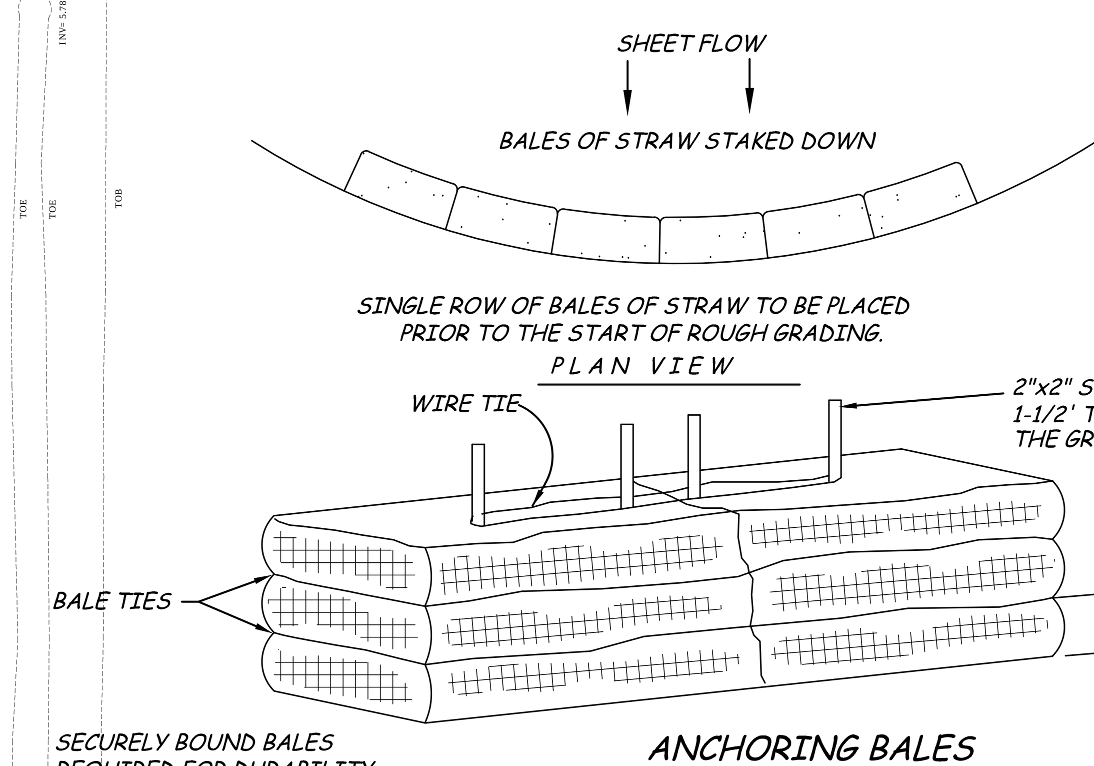
NOTE:
EROSION AND SEDIMENT CONTROL - CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING EROSION AND SEDIMENT CONTROL USING THE LATEST F.D.O.T. STANDARDS. BALED HAY, STRAW, AND SILTATION BARRIERS WILL BE INSTALLED WHERE NEEDED TO PREVENT SILTATION OF ADJACENT PROPERTY, PUBLIC RIGHT-OF-WAY, WETLANDS AND WATERWAYS. THESE WILL REMAIN IN PLACE UNTIL GRASSING OR SODDING HAS BEEN COMPLETED OR UNTIL SILTATION AND EROSION ARE NO LONGER A THREAT TO ADJACENT PROPERTIES AND WATERWAYS. STREET SWEEPING SHALL BE PERFORMED ANYTIME SEDIMENT HAS BEEN TRACKED ONTO THE ADJACENT ROADWAYS FROM THE SITE OR THE SITE DRIVEWAYS. SHOULD DUST BECOME AN ISSUE, ALL UNSTABILIZED AREAS SHALL BE WETTED DOWN SUFFICIENTLY IN ORDER TO PREVENT DUST.

SILT FENCE SHALL BE IN PLACE PRIOR TO DEMOLITION

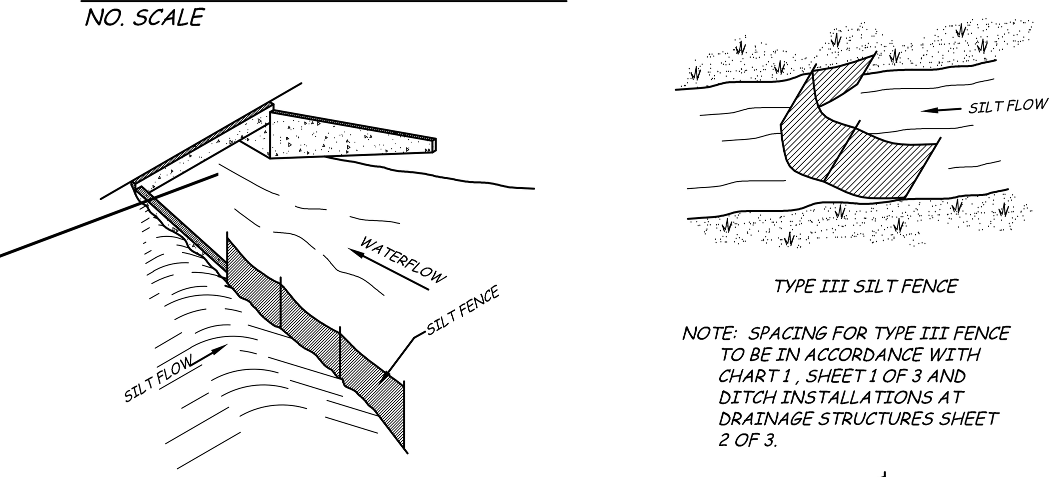
PROJECT AREA: 478,365 S.F. (10.982 AC)
AREA TO BE DISTURBED: 478,365 S.F. (10.982 AC)

EX. PAVEMENT TO BE REMOVED: 31,998 S.F. (0.735AC)

LEGEND	
— WM —	EXISTING WATER MAIN
— FM —	EXISTING FORCE MAIN
- - - - -	EXISTING EDGE OF PAVEMENT TO REMAIN
- - - - -	EXISTING EDGE OF PAVEMENT TO BE REMOVED
(hatch)	CONCRETE TO BE REMOVED
☼	EXISTING LIGHT POLE TO BE REMOVED

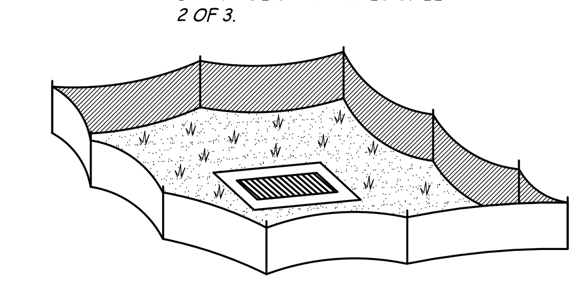


ANCHORING BALES DETAIL
NO. SCALE



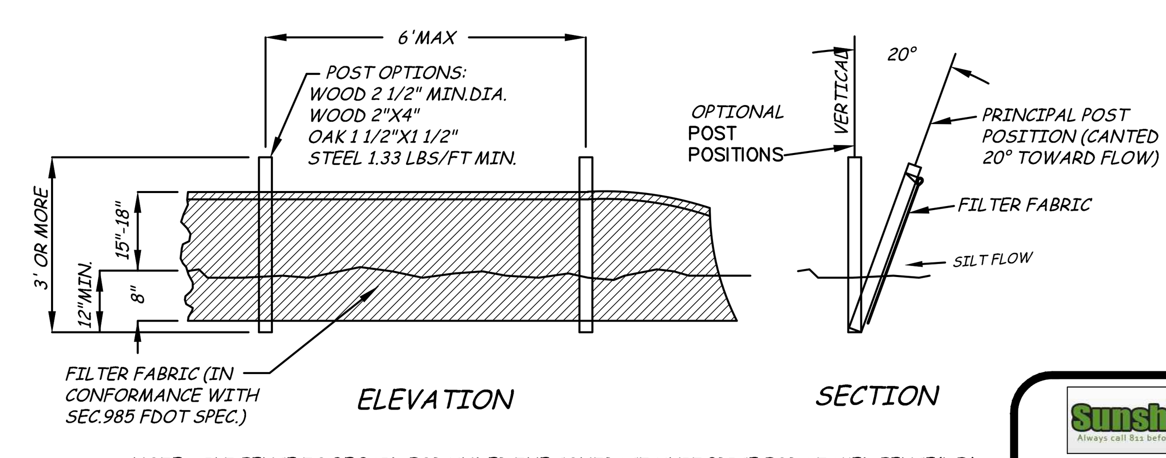
NOTE: DO NOT DEPLOY IN ANY MANNER THAT SILT FENCES WILL ACT AS A DAM ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE USED AT UPLAND LOCATIONS AND TURBITY BARRIERS USED AT PERMANENT BODIES OF WATER.

NOTE: SPACING FOR TYPE III FENCE TO BE IN ACCORDANCE WITH CHART 1, SHEET 1 OF 3 AND DITCH INSTALLATIONS AT DRAINAGE STRUCTURES SHEET 2 OF 3.



TYPE III SILT FENCE PROTECTION AROUND DITCH BOTTOM INLET

SEDIMENT & EROSION CONTROL DETAILS
NOT TO SCALE



NOTE: SILT FENCE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED FENCE(L.F.)

TYPE III SILT FENCE

Sunshine 811 — BEFORE YOU DIG CALL TWO (2) BUSINESS DAYS WAIT FOR THE SITE TO BE MARKED RESPECT THE MARKS DIG SAFELY

ENGINEER'S APPROVAL — SEAL — DATE
M. RANDALL RODGERS
P.E. No. 68212

THE VELCON GROUP INC.
ENGINEERS & SURVEYORS
702 S.W. PORT ST. LUCIE BLVD.
PORT ST. LUCIE, FL 34953
(772) 879-0477 - (772) 871-6659-FAX
CERTIFICATE OF AUTHORIZATION # 4942

REVISIONS
BY	DATE	DESCRIPTION
-	-	-

CLEARING AND SEDIMENT & EROSION CONTROL PLAN

TREASURE COAST COMMUNITY CHURCH
CITY OF STUART, FLORIDA

SCALE: 1"=40'
DATE: 04/17/17
DRAWN BY: RP
CHECKED BY: RR
CADD FILE: 16-014ENG.DWG

SHEET NO.: 10
OF: -
JOB No.: 16-014 ENG

GENERAL NOTES EROSION CONTROL

Section VII (SWPPP Narrative)

1.0 SITE DESCRIPTION

1.a Nature of Construction Activities

Construction activities consist of the demolition of the existing paved parking area and the construction of a new Chevrolet Sales Building, an expansion to the existing service building, and a new paved parking area, including drainage improvements, to serve the site located in the City of Stuart, Florida.

1.b Sequence of Major Soil Disturbing Activities

The following sequence of major activities shall be followed unless the contractor can propose an alternative that is equal or exceeds the erosion and sediment control practices described in this document, and is approved by the Engineer. The detailed sequence for the entire project can vary significantly from contractor to contractor. The contractor is responsible for providing a detailed sequence of construction for all construction activities.

1. Placement of all erosion control devices.
2. Clearing and grubbing, earthwork, filling of the existing lake, and excavation of the dry detention area.
3. Storm sewer construction; all storm sewer shall be constructed in the upstream direction.
4. Water & wastewater utility construction.
5. Earthwork associated with roadway, curb, subgrade, base and pavement.
6. Final seed and mulch and landscaping and sodding of the unpaved project area as called for in plans.

1.c Area Estimates

Total site area: 10.98 acres
Total Area to be Disturbed: 10.98 acres

1.d Runoff Data

Runoff Coefficients: Before: 0.81
During: 0.30-0.81
After: 0.81

Soils Data: The soils are silty fine sand to clean sands. The small sand particle size will make the potential for erosion high.

Drainage Areas for Each Outfall:

1.e Site Map

The construction plans will substitute as site maps. Locations of the required information are described below.

Drainage Patterns:
The drainage flow directions are shown on the Paving and Drainage Plan.

Approximate Slopes:
The slopes of the site can be seen on the Grading and Drainage plan and cross sections.

Areas of Soil Disturbance:
The areas to be disturbed are indicated on the plan. Any areas where permanent features are shown to be constructed above or below ground will be disturbed.

Areas not to be disturbed:
Those areas shown outside of the limits of the silt fence will not be disturbed.

Locations of Controls:
The erosion control devices and locations are shown on the Sediment & Erosion Control Plan.

Areas to be stabilized:
Temporary stabilization practices are also shown on the plans, if applicable. Areas of permanent stabilization are shown on the Paving and Drainage Plan.

Surface Water:
Surface water discharge is shown on the Paving and Drainage Plan. The surface waters of the project will discharge to the dry detention areas on the west side of the site and then it is directed to the existing lake at the SW corner of the site. All stormwater is retained onsite up to the 100-year, 3-day storm event.

1.f Receiving Waters

All stormwater is retained onsite up to the 100-year, 3-day storm event. No offsite discharge is proposed.

2.0 CONTROLS

2.a Erosion and Sediment Controls

The following defines general quantities for the sequence of construction and the use of stabilization and structural practices. The contractor is also responsible for documenting this portion of the SWPPP. The construction of this project is expected to last twelve months.

Install stabilized construction entrances at all common areas where construction vehicles will be entering and exiting the construction site. The driveways shall be constructed per the Florida Sediment and Erosion Control Manual.

Install silt fences, Type III, around all ditch bottom inlets on the project, and the project perimeter. Filter cloth under the grates on catch basins may be used in lieu of a silt fence.

Install staked turbidity barriers at the locations as indicated in the Paving and Drainage Plan (discharge points).

2.a.1 Stabilized Practices

Temporary:
Seed and mulch, and sod in accordance with Specification Section 104.

Permanent:
All stabilization practices shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 7 days after the construction activity in that portion of the site has temporarily ceased. The contractor is also responsible for documenting this portion of the SWPPP.

2.a.2 Structural Practices

Temporary:
Silt fence in accordance with the Florida Sediment and Erosion Control Manual.
Staked turbidity barrier in accordance with the Florida Sediment and Erosion Control Manual.
Soil tracking prevention device in accordance with the Florida Sediment and Erosion Control Manual.
A stabilized construction entrance to be constructed per the Florida Sediment and Erosion Control Manual.
All sediment controls shall be in place prior to any soil disturbing activity upstream of the control.

2.b Stormwater Management

Stormwater will be conveyed in storm sewer system, cross details, and swales to Stormwater retention/detention ponds.

2.c Other Controls

2.c.1 Waste Disposal

The contractor is solely responsible for documenting this portion of the SWPPP.

2.c.2 Off-Site Vehicle Tracking

The contractor is responsible for documenting this portion of the SWPPP.

2.c.3 State and Local Regulations (Waste, Sanitary, and Septic)

The contractor is solely responsible form documenting this portion of the SWPPP.

2.d State and Local Plans

This project will require a Modification to Permit No. 43-00380-S from the South Florida Water Management District (SFWMD).

3. MAINTENANCE

ITEM	MAINTENANCE	POSED REPLACEMENT INTERVAL
Silt Fence	In accordance with specification Section 104.	6 Months
Ponds	Remove sediment when it becomes 6" deep.	As Required
Straw Bales	Remove sediment when it reaches 1/2 height of bales.	3 Months

The contractor shall maintain rain gauges on-site and record daily rainfall. The contractor is also responsible for documenting this portion of the SWPPP in the Section 104 Erosion Control Plan.

4. INSPECTION

Qualified personnel shall inspect the following items at least once every seven calendar days and within 24 hours of the end of a storm that is 0.50 inches or greater. Where sites have been finally stabilized, inspections shall be conducted at least once every month.

Points of discharge to waters in the United States.
Points of discharge to municipal separate storm systems.
Disturbed areas of the site that have not been finally stabilized.
Areas used for storage of materials that are exposed to precipitation.
Structural controls.
Stormwater management systems.
Locations where vehicles enter or exit the site.

5. NON-STORMWATER DISCHARGES

The contractor is required to submit a dewatering plan to SFWMD for approval prior to commencement of any construction activities that require dewatering. This plan shall include any stockpile areas and excavation areas.

The contractor is responsible for documenting this portion of the SWPPP. If contaminated soil or groundwater is encountered, contact the District Hazardous Materials Coordinator.

6. RESPONSIBLE ENTITIES

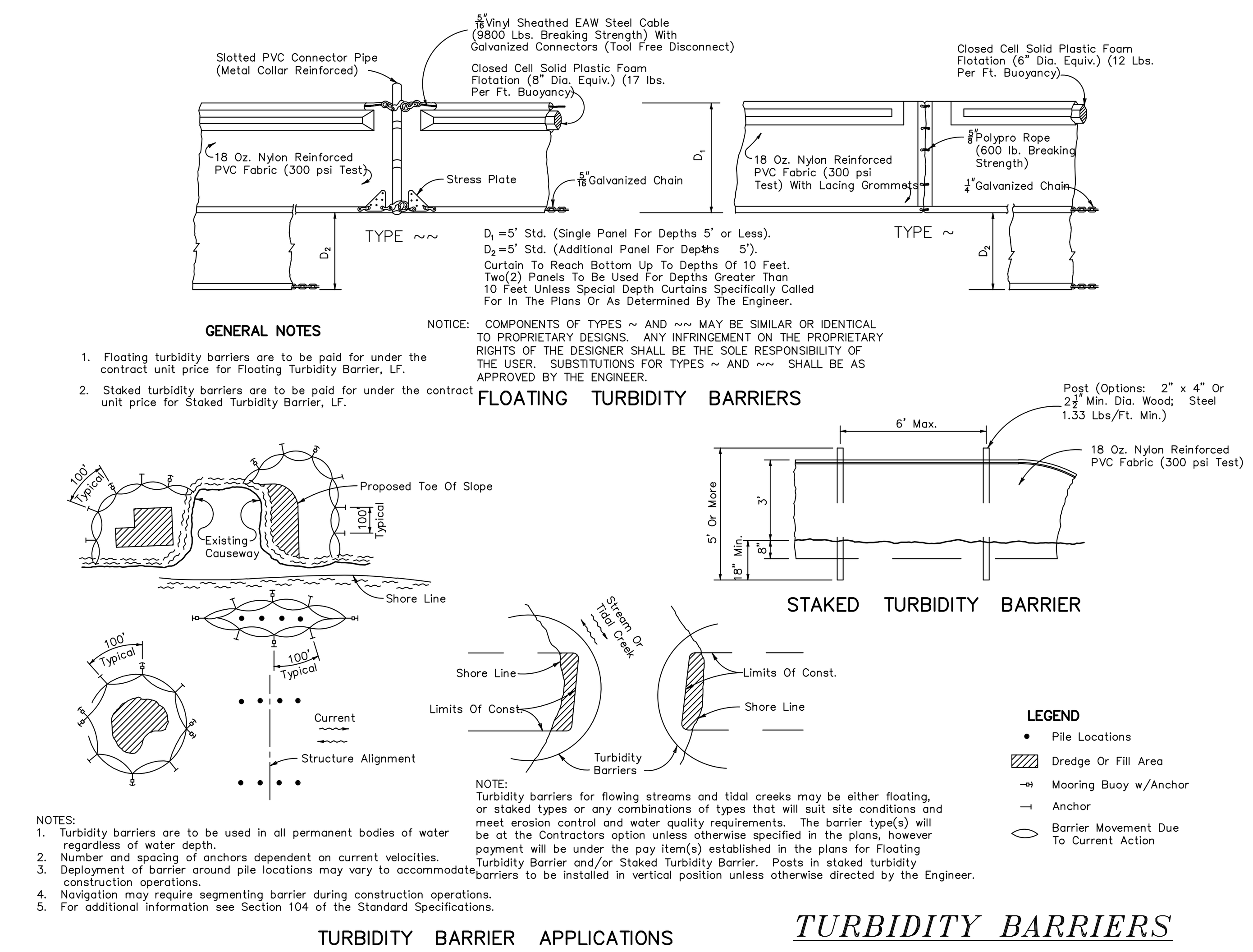
This SWPPP must clearly identify, for each measure identified within the SWPPP, the contractor(s) or subcontractor(s) that will implement each measure. All contractor(s) and subcontractor(s) that will be responsible for the implementation and maintenance of the measures identified in the SWPPP must sign the following certification:

"I certify under penalty of law that I understand, and shall comply with, the terms and conditions of the State of Florida Generic Permit for Stormwater Discharge from Large and Small Construction Activities and this Stormwater Pollution Prevention Plan prepared there under."

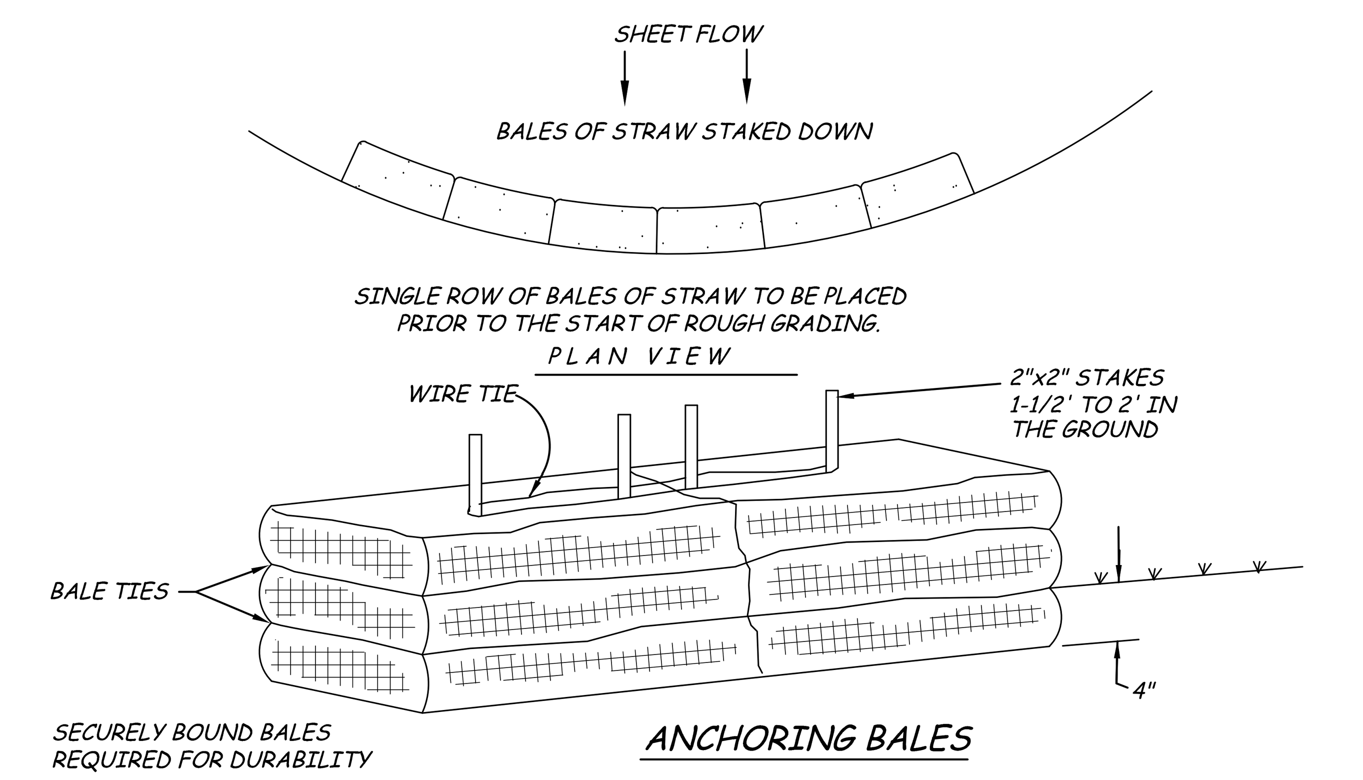
NAME AND TITLE	COMPANY NAME, ADDRESS, AND PHONE NUMBER	RESPONSIBLE ITEMS	DATE

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

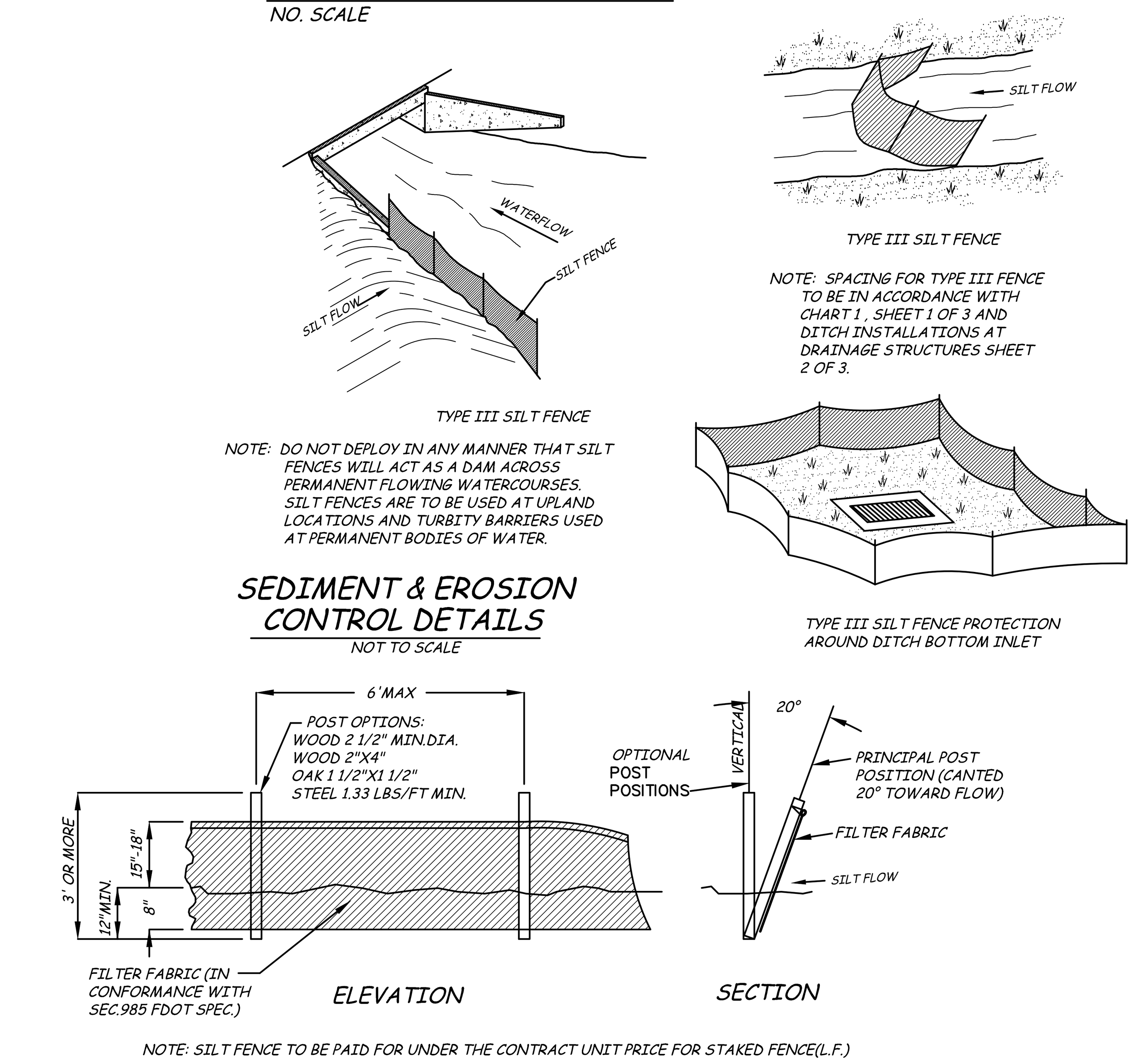
____________________________________ _______________
Name (Operator and/or Responsible Authority) Date



TURBIDITY BARRIERS



ANCHORING BALES DETAIL
NO. SCALE



TYPE III SILT FENCE

Sunshine811 — Always call 811 before you dig.
BEFORE YOU DIG
CALL TWO (2) BUSINESS DAYS
WAIT FOR THE SITE TO BE MARKED
RESPECT THE MARKS
DIG SAFELY

ENGINEER'S APPROVAL
SEAL
M. RANDALL RODGERS
P.E. No. 68212
DATE

THE VELCON GROUP INC.
ENGINEERS & SURVEYORS
702 S.W. PORT ST. LUCIE BLVD.
PORT ST. LUCIE, FL 34953
(772) 879-0477 – (772) 871-6659-FAX
CERTIFICATE OF AUTHORIZATION # 4942

BY	DATE	REVISIONS DESCRIPTION
-	-	-

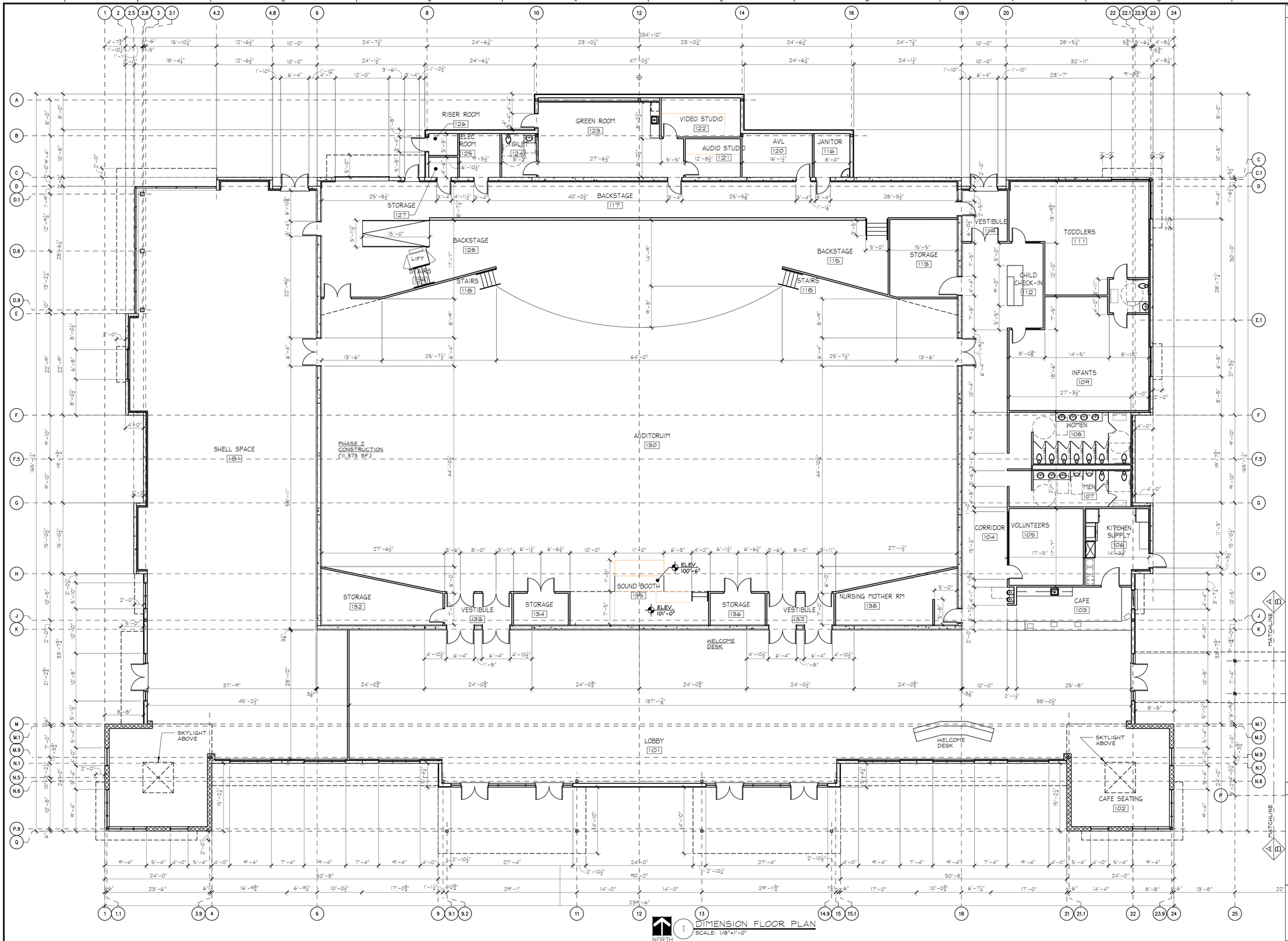
STORMWATER POLLUTION PREVENTION PLAN

TREASURE COAST COMMUNITY CHURCH
CITY OF STUART, FLORIDA

SCALE : AS NOTED
DATE: 04/17/17
DRAWN BY: RP
CHECKED BY: RR
CADD FILE : 16-014ENG.DWG

SHEET NO.: 11
OF : -

JOB No. : 16-014 ENG



NORTH

1 DIMENSION FLOOR PLAN
SCALE: 1/8"=1'-0"

NOTES:

KEY PLAN:

COPYRIGHT:

The design and concepts established by these documents are the property of the Architect of Record, and may not be replicated by another architect or designer, nor constructed by this or any other owner for any project except that project for which the design was originally intended, without the express written concent of The Small Group, LLC. No part of this document may be reproduced or utilized in any form without the authorization of The Small Group, LLC. All rights reserved.

Revisions:	Date
1	
2	
3	
4	
5	
6	
7	

AVL Consultant:

Civil Engineers:
VELCON GROUP, INC.
ENGINEERS & SURVEYORS
702 SW PORT ST. LUCIE BOULEVARD
PORT ST. LUCIE, FL 34953
PHONE: 772-879-0477
EMAIL: info@velcongroup.com

MEP Engineers:
darr & collins
Consulting Engineers
1400 NW. 65th St.
Edmond, Oklahoma 73116
phone (405) 286-8400 • fax (405) 286-8444
a Sabel Bobby company

Structural Engineers:
wallace
Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
410 North Walnut Avenue, Suite 200
Oklahoma City, Oklahoma 73104
405.236.5858, 800.364.5858

Planner:
HJA DESIGN STUDIO
LANDSCAPE ARCHITECTURE
50 E. Ocean Blvd.
Stuart, Florida 34994
Phone: 772-678-7200

Contractor:
J.CONROY CONSTRUCTION
Committed to Excellence Since 1979
4370 SW Cherokee Street
Palm City, Florida 34990
Phone: 772-419-3006

Seal
PRELIMINARY
NOT FOR
CONSTRUCTION

Consulting Architects:
SMALL ARCHITECTS
www.smallarchitects.com

Design Team Manager
Space

Drawing Title
DIMENSION FLOOR PLAN

Specialized Planning & Architecture for Church Environments, LLC
108 South Broadway
Edmond, Oklahoma 73034 405.840.1111

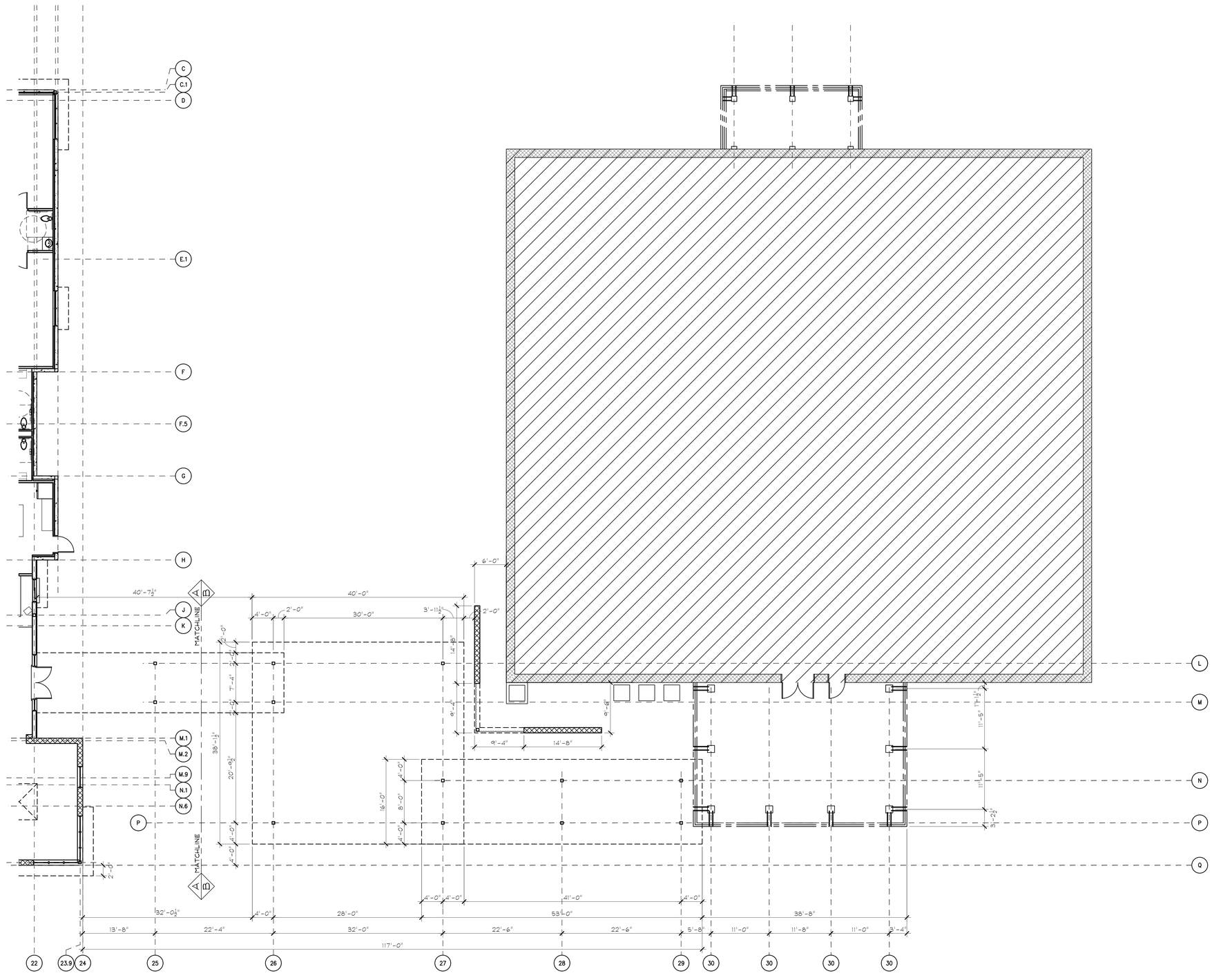
Project Title
TREASURE COAST COMMUNITY CHURCH

Date: JUNE 30, 2017
Project No.: 16.28.004

Submittal	Checked	Drawn
65% SUBMITTAL	FTS	ADD

Location: Stuart, Florida

DRAWING NO.
A.201A



NORTH

1 CANOPY DIMENSION FLOOR PLAN
SCALE: 1/8"=1'-0"

NOTES:

KEY PLAN:

COPYRIGHT:

The design and concepts established by these documents are the property of the Architect of Record, and may not be replicated by another architect or designer, nor constructed by this or any other owner for any project except that project for which the design was originally intended, without the express written concent of The Small Group, LLC. No part of this document may be reproduced or utilized in any form without the authorization of The Small Group, LLC. All rights reserved.

Revisions:	Date
1	
2	
3	
4	
5	
6	
7	

AVL Consultant:

Civil Engineers:
VELCON GROUP, INC.
ENGINEERS & SURVEYORS
702 SW PORT ST. LUCIE BOULEVARD
PORT ST. LUCIE, FL 34953
PHONE: 772-879-0477
EMAIL: info@velcongroup.com

MEP Engineers:
darr & collins
Consulting Engineers
1600 NW, 60th St.
Edmond, Oklahoma 73105
phone (405) 286-2400 • fax (405) 286-2444
a Skilled Reality company

Structural Engineers:
wallace
Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
410 North Walnut Avenue, Suite 200
Oklahoma City, Oklahoma 73104
405.236.5858, 800.364.5858

Planner:
HJA DESIGN STUDIO
LANDSCAPE ARCHITECTURE
50 E. Ocean Blvd.
Stuart, Florida 34994
Phone: 772-678-7200

Contractor:
J.CONROY CONSTRUCTION
Committed to Excellence Since 1979
4370 SW Cherokee Street
Palm City, Florida 34990
Phone: 772-419-3006

Seal
PRELIMINARY
NOT FOR
CONSTRUCTION

Consulting Architects:
SMALL ARCHITECTS
www.smallarchitects.com

Design Team Manager
Space

Drawing Title
CANOPY DIMENSION FLOOR PLAN

Specialized Planning & Architecture for Church Environments, LLC
108 South Broadway
Edmond, Oklahoma 73034 405.840.1111

Project Title
TREASURE COAST COMMUNITY CHURCH

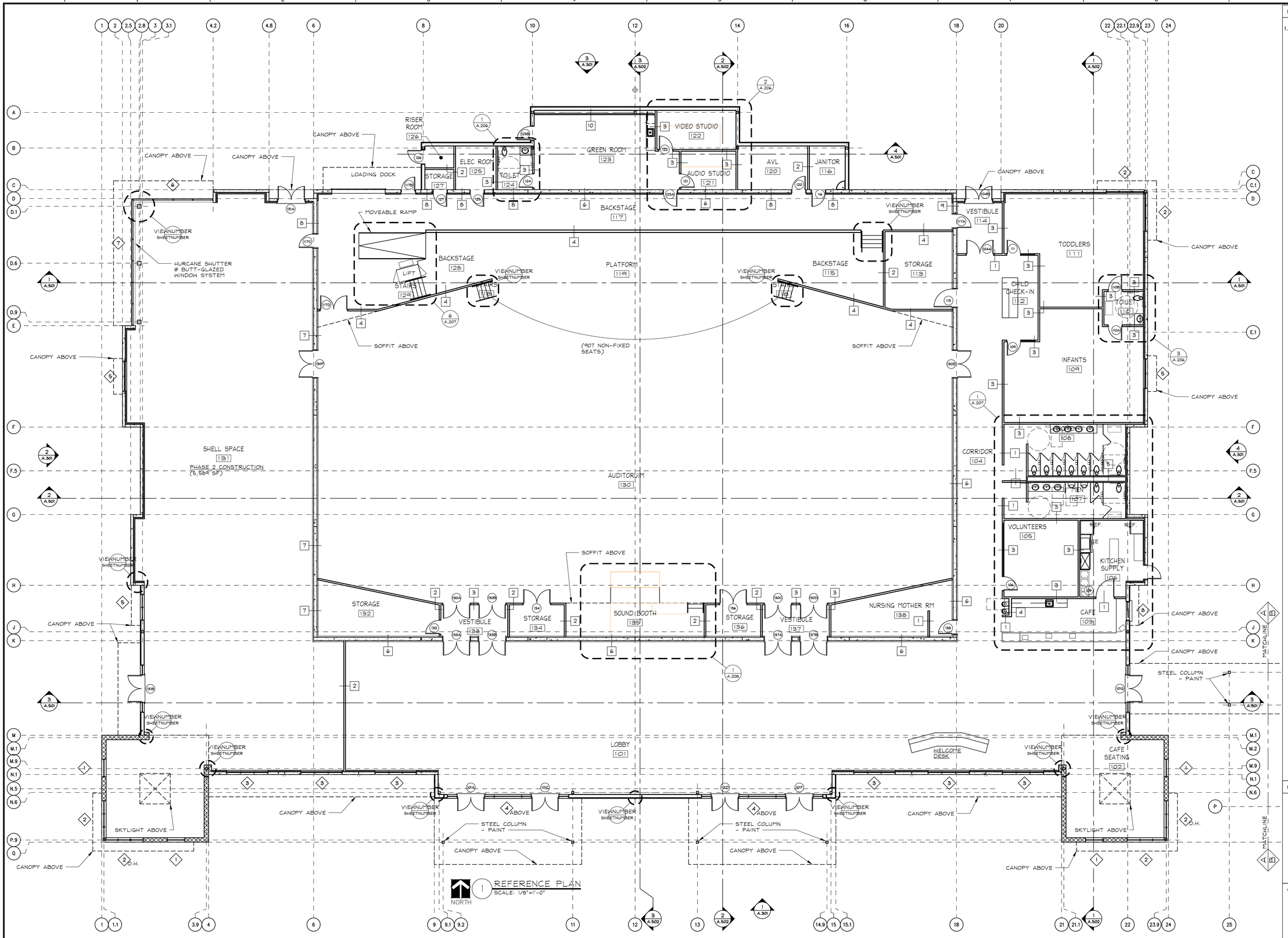
Date
JUNE 30, 2017

Project No.
16.28.004

Submittal	Checked	Drawn
65% SUBMITTAL	FTS	ADD

Location
Stuart, Florida

DRAWING NO.
A.201B



NOTES:

1. REFER TO SHEET A.201A FOR DIMENSIONS

KEY PLAN:

COPYRIGHT:

The design and concepts established by these documents are the property of the Architect of Record, and may not be replicated by another architect or designer, nor constructed by this or any other owner for any project except that project for which the design was originally intended, without the express written concent of The Small Group, LLC. No part of this document may be reproduced or utilized in any form without the authorization of The Small Group, LLC. All rights reserved.

Revisions:

		Date
1		
2		
3		
4		
5		
6		
7		

AVL Consultant:

Civil Engineers:
VELCON GROUP, INC.
ENGINEERS & SURVEYORS
702 SW PORT ST. LUCIE BOULEVARD
PORT ST. LUCIE, FL 34953
PHONE: 772-879-0477
EMAIL: info@velcongroup.com

MEP Engineers:
darr & collins
Consulting Engineers
1401 S.W. 89th St.
Oklahoma City, Oklahoma 73159
phone (405) 692-8470 • fax (405) 692-8484
a limited liability company

Structural Engineers:
wallace
Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
410 North Walnut Avenue, Suite 200
Oklahoma City, Oklahoma 73104
405.236.5858, 800.364.5858

Planner:
HJA DESIGN STUDIO
LANDSCAPE ARCHITECTURE
50 E. Ocean Blvd
Stuart, Florida 34994
Phone: 772-678-7200

Contractor:
J.CONROY CONSTRUCTION
Committed to Excellence Since 1979
4370 SW Cherokee Street
Palm City, Florida 34990
Phone: 772-419-3006

Seal
PRELIMINARY
NOT FOR
CONSTRUCTION

Consulting Architects:
SMALL ARCHITECTS
www.smallarchitects.com

Design Team Manager
Space

Drawing Title
REFERENCE PLAN

Project Title
TREASURE COAST COMMUNITY CHURCH

Date
JUNE 30, 2017

Project No.
16.28.004

Specialized Planning & Architecture for Church Environments, LLC
108 South Broadway
Edmond, Oklahoma 73034 405.840.1111

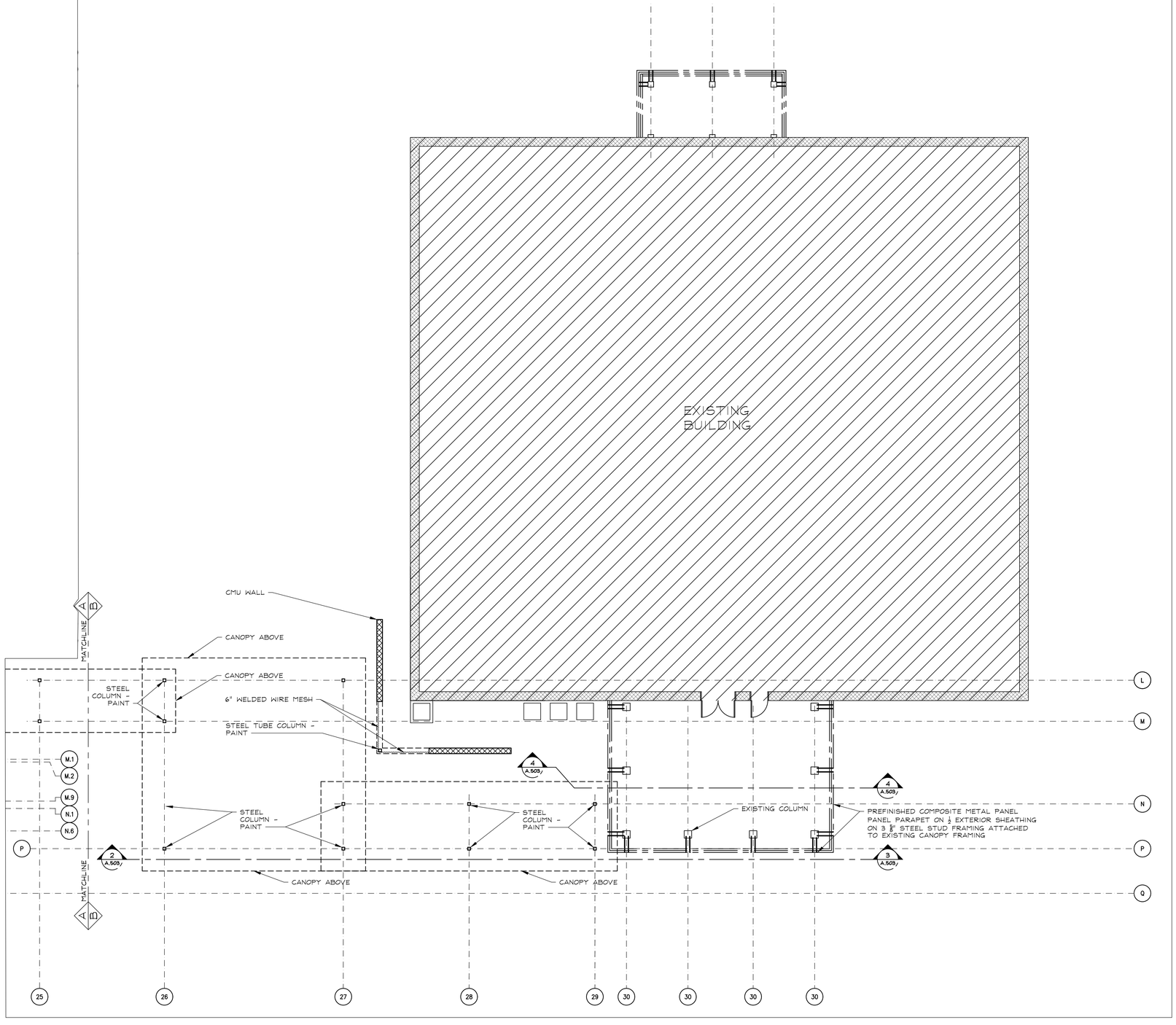
Submittal
65% SUBMITTAL

Checked
FTS

Drawn
ADD

Location
Stuart, Florida

DRAWING NO.
A.202A



NOTES:

KEY PLAN:

COPYRIGHT:

The design and concepts established by these documents are the property of the Architect of Record, and may not be replicated by another architect or designer, nor constructed by this or any other owner for any project except that project for which the design was originally intended, without the express written concent of The Small Group, LLC. No part of this document may be reproduced or utilized in any form without the authorization of The Small Group, LLC. All rights reserved.

Revisions:	Date
1	
2	
3	
4	
5	
6	
7	

AVL Consultant:

Civil Engineers:
VELCON GROUP, INC.
ENGINEERS & SURVEYORS
702 SW PORT ST. LUCIE BOULEVARD
PORT ST. LUCIE, FL 34953
PHONE: 772-879-0477
EMAIL: info@velcongroup.com

MEP Engineers:
darr & collins
Consulting Engineers
1400 S.W. 40th St.
Moore, Oklahoma 73160
phone (405) 390-4400 fax (405) 390-4444
a Rabel Nathy company

Structural Engineers:
wallace
Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
410 North Walnut Avenue, Suite 200
Oklahoma City, Oklahoma 73104
405.236.5858, 800.364.5858

Planner:
HJA DESIGN STUDIO
LANDSCAPE ARCHITECTURE
50 E. Ocean Blvd.
Stuart, Florida 34994
Phone: 772-678-7200

Contractor:
J.CONROY CONSTRUCTION
Committed to Excellence Since 1979
4370 SW Cherokee Street
Palm City, Florida 34990
Phone: 772-419-3006

Seal
PRELIMINARY
NOT FOR
CONSTRUCTION

Consulting Architects:
SMALL ARCHITECTS
www.smallarchitects.com

Design Team Manager
Space

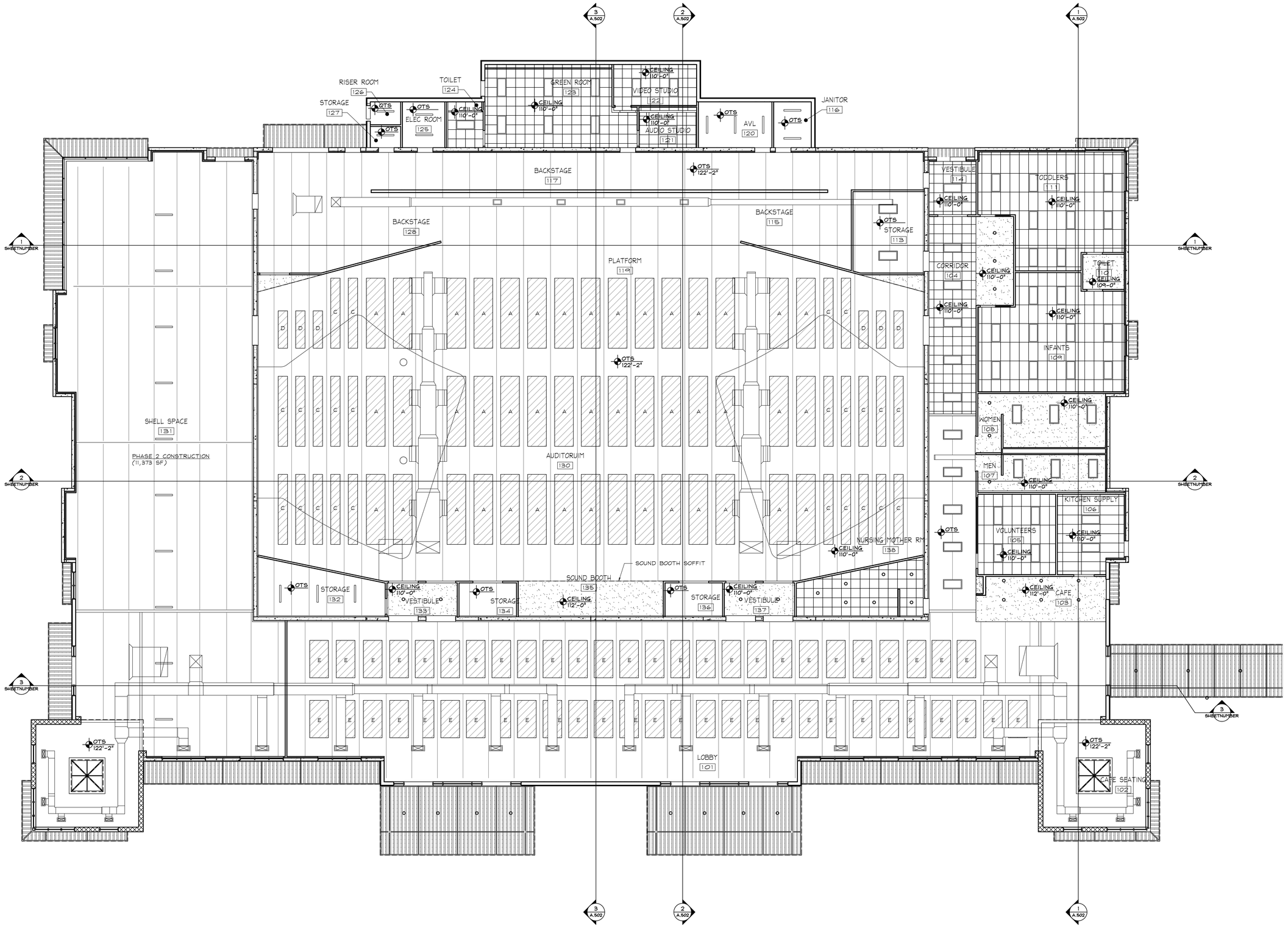
Drawing Title
CANOPY REFERENCE PLAN

Specialized Planning & Architecture for Church Environments, LLC
108 South Broadway
Edmond, Oklahoma 73034 405.840.1111

Project Title
TREASURE COAST COMMUNITY CHURCH

Date: JUNE 30, 2017
Project No.: 16.28.004
Submittal: 65% SUBMITTAL
Checked: FTS
Drawn: ADD
Location: Stuart, Florida

DRAWING NO.
A.202B



1 REFLECTED CEILING PLAN
SCALE: 1/8"=1'-0"

NORTH

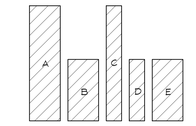
NOTES:

LAPENDARY PANEL SCHEDULE

MARK	SIZE	COLOR	QTY.
A	4'x15'	BLACK	45
B	4'x8'	BLACK	9
C	2'x15'	BLACK	24
D	2'x8'	BLACK	6
E	4'x8'	BLACK	54

NOTES:

1. REFER TO DETAIL 3-A.204 FOR ADDITIONAL PRODUCT INFORMATION AND INSTALLATION.



GENERAL NOTES:

1. LAY-IN CEILING HEIGHT TO BE 12'-0" A.F.F, UNLESS NOTED OTHERWISE.
2. ALL 18" PENDANT LIGHTS TO BE MOUNTED AT 17'-0" A.F.F. TO BOTTOM OF FIXTURES UNLESS NOTED OTHERWISE. PENDANT LIGHTS IN EXPERIENCE ROOM TO BE MOUNTED AT 20'-0" A.F.F. TO BOTTOM OF FIXTURES.
3. GC IS RESPONSIBLE FOR ORDERING AND INSTALLING LAPENDARY AND HARDWARE PANELS PER 3-A.204 AND SCHEDULE ON A.204.
4. REFER TO FINISH SCHEDULE FOR ADDITIONAL SCOPE OF WORK INFORMATION.

KEYED NOTES:

1. CURTAIN AND CURTAIN TRACK PROVIDED BY OWNER, INSTALLED BY GC. B.O. TRACK AT 18'-0" A.F.F. GC TO PROVIDE UNISTRUT, ALL THREAD, AND LABOR. RE: 1-A.204 & 2-A.204.
2. BASE TRAP ABOVE. ACOUSTIC PANELS PROVIDED BY AND INSTALLED BY GC. RE: 1-A.506 AND INTERIOR ELEVATIONS.
3. BULKHEAD ABOVE. RE: 4-A.204 AND 7/8-A.216 FOR FINISH INFORMATION.

LEGEND:

- GYP. BOARD CEILING
- NO CEILING. EXPOSED TO DECK. LINES INDICATE APPROXIMATE CENTERLINE OF EXPOSED STEEL STRUCTURE.
- 2X4 CEILING GRID
- A — LAPENDARY PANEL RE: SCHEDULE ON A.203A
- 2X4 LIGHT FIXTURE
- 1X4 LIGHT FIXTURE
- 18" DIAMETER PENDANT LIGHT
- 6" LED RECESSED CAN LIGHT
- CANOPY LIGHT
- WALL MOUNT EMERGENCY LIGHT
- EXIT SIGN
- EMERGENCY BACKUP
- SUPPLY AIR DIFFUSER
- RETURN AIR GRILLE
- EXHAUST VENT
- SUPPLY AIR DIFFUSER
- SIDE SUPPLY AIR DIFFUSER
- MECHANICAL DUCT

KEY PLAN:

COPYRIGHT:

The design and concepts established by these documents are the property of the Architect of Record, and may not be replicated by another architect or designer, nor constructed by this or any other owner for any project except that project for which the design was originally intended, without the express written concent of The Small Group, LLC. No part of this document may be reproduced or utilized in any form without the authorization of The Small Group, LLC. All rights reserved.

Revisions:	Date
1	
2	
3	
4	
5	
6	
7	

AVL Consultant:

Civil Engineers:
VELCON GROUP, INC.
ENGINEERS & SURVEYORS
702 SW PORT ST. LUCIE BOULEVARD
PORT ST. LUCIE, FL 34953
PHONE: 772-879-0477
EMAIL: info@velcongroup.com

MEP Engineers:
darr & collins
Consulting Engineers
1400 NW 10th St.
Oklahoma City, Oklahoma 73106
phone (405) 232-0444 • fax (405) 232-0445
a Select Quality company

Structural Engineers:
wallace
Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
410 North Walnut Avenue, Suite 200
Oklahoma City, Oklahoma 73104
405.236.5858, 800.364.5858

Planner:
HJA DESIGN STUDIO
LANDSCAPE ARCHITECTURE
50 E. Ocean Blvd.
Stuart, Florida 34994
Phone: 772-678-7200

Contractor:
J.CONROY CONSTRUCTION
Committed to Excellence Since 1979
4370 SW Cherokee Street
Palm City, Florida 34990
Phone: 772-419-3006

Seal
PRELIMINARY
NOT FOR
CONSTRUCTION

Consulting Architects:
SMALL ARCHITECTS
www.smallarchitects.com

Design Team Manager
Space

Drawing Title
REFLECTED CEILING PLAN

Project Title
TREASURE COAST COMMUNITY CHURCH

Date
JUNE 30, 2017

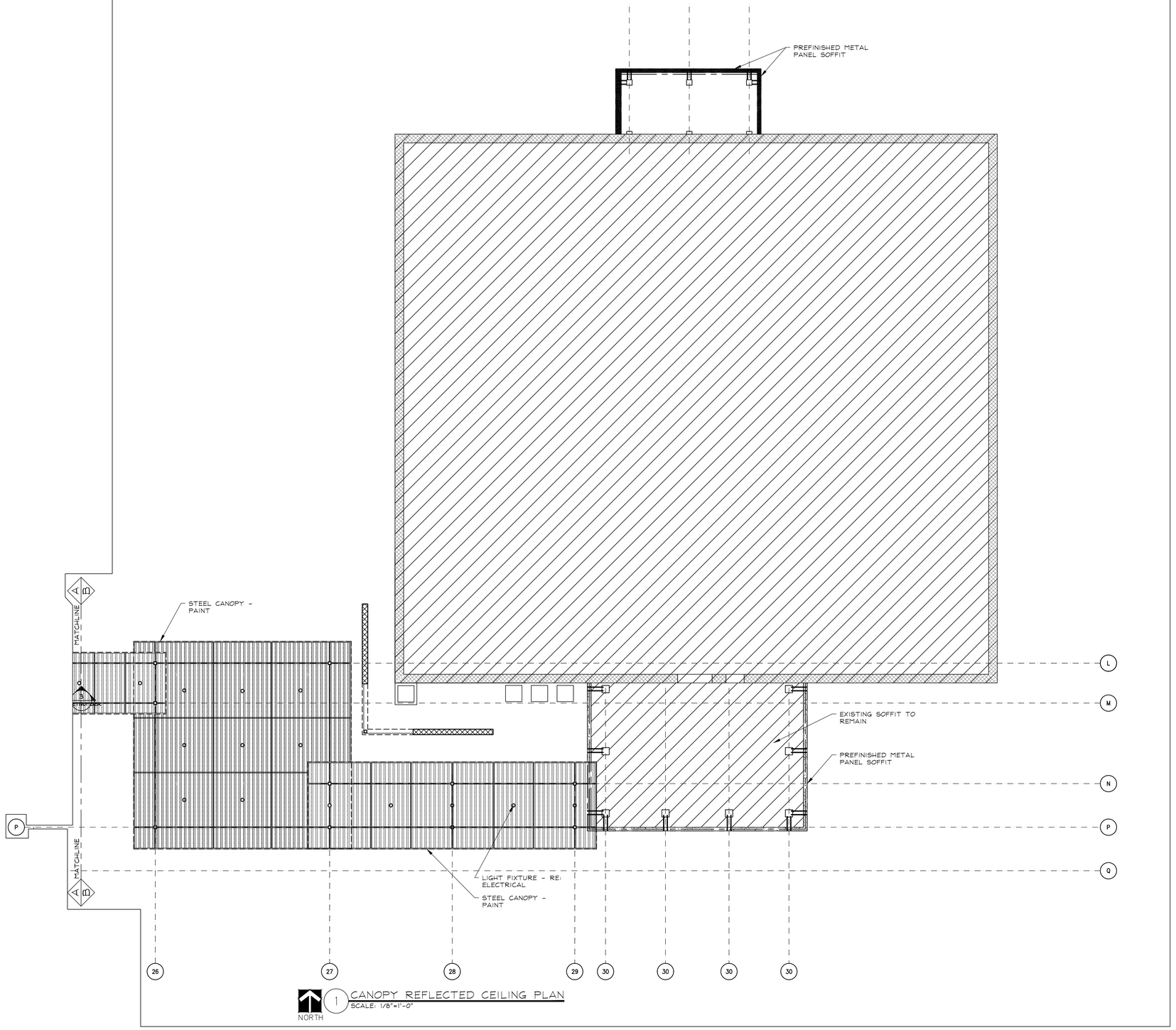
Project No.
16.28.004

Specialized Planning & Architecture for Church Environments, LLC
108 South Broadway
Edmond, Oklahoma 73034 405.840.1111

Submittal	Checked	Drawn
65% SUBMITTAL	FTS	ADD

Location
Stuart, Florida

DRAWING NO.
A.203A



1 CANOPY REFLECTED CEILING PLAN
SCALE: 1/8"=1'-0"

NOTES:

GENERAL NOTES:

1. CANOPY LIGHTS TO BE MOUNTED DIRECTLY TO STRUCTURE
2. GC IS RESPONSIBLE FOR ORDERING AND INSTALLING LAPENDARY AND HARDWARE PANELS PER 3-A.204 AND SCHEDULE ON A.204.
3. REFER TO FINISH SCHEDULE FOR ADDITIONAL SCOPE OF WORK INFORMATION.

LEGEND:

PREFINISHED EXPOSED DECK.

o CANOPY LIGHT

KEY PLAN:

COPYRIGHT:

The design and concepts established by these documents are the property of the Architect of Record, and may not be replicated by another architect or designer, nor constructed by this or any other owner for any project except that project for which the design was originally intended, without the express written concent of The Small Group, LLC. No part of this document may be reproduced or utilized in any form without the authorization of The Small Group, LLC. All rights reserved.

Revisions:	Date
1	
2	
3	
4	
5	
6	
7	

AVL Consultant:

Civil Engineers:
VELCON GROUP, INC.
ENGINEERS & SURVEYORS
702 SW PORT ST. LUCIE BOULEVARD
PORT ST. LUCIE, FL 34953
PHONE: 772-879-0477
EMAIL: info@velcongroup.com

MEP Engineers:
darr & collins
Consulting Engineers
1600 NW, 100th St.
Edmond, Oklahoma 73003
phone (405) 359-2400 • fax (405) 359-2444
a limited liability company

Structural Engineers:
wallace
Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
410 North Walnut Avenue, Suite 200
Oklahoma City, Oklahoma 73104
405.236.5858, 800.364.5858

Planner:
HJA DESIGN STUDIO
LANDSCAPE ARCHITECTURE
50 E. Ocean Blvd.
Stuart, Florida 34994
Phone: 772-678-7200

Contractor:
J.CONROY CONSTRUCTION
Committed to Excellence Since 1979
4370 SW Cherokee Street
Palm City, Florida 34990
Phone: 772-419-3006

Seal
PRELIMINARY
NOT FOR
CONSTRUCTION

Consulting Architects:
SMALL ARCHITECTS
www.smallarchitects.com

Design Team Manager
Space

Drawing Title
CANOPY REFLECTED CEILING PLAN

Specialized Planning & Architecture for Church Environments, LLC
108 South Broadway
Edmond, Oklahoma 73034 405.840.1111

Project Title
TREASURE COAST COMMUNITY CHURCH

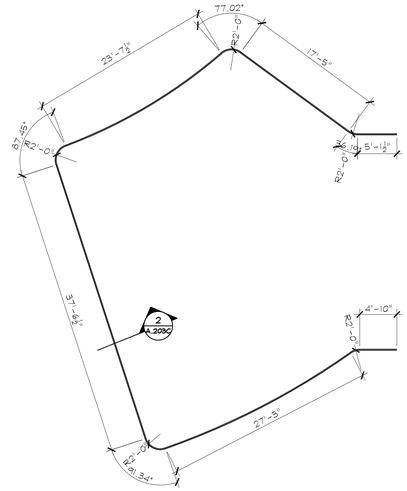
Date
JUNE 30, 2017

Project No.
16.28.004

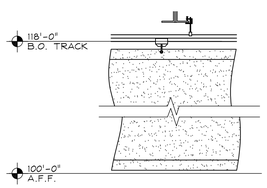
Submittal	Checked	Drawn
65% SUBMITTAL	FTS	ADD

Location
Stuart, Florida

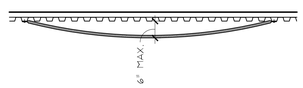
DRAWING NO.
A.203B



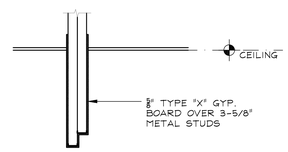
1 CURTAIN TRACK LAYOUT
SCALE: 1/8" = 1'-0"



2 CURTAIN TRACK DETAIL
SCALE: 1/4" = 1'-0"



3 LAPENDARY PANEL SECTION
SCALE: 1/4" = 1'-0"



4 BULKHEAD DETAIL
SCALE: 1/4" = 1'-0"

NOTES:

GENERAL NOTES:

1. LAY-IN CEILING HEIGHT TO BE 12'-0" A.F.F, UNLESS NOTED OTHERWISE.
2. ALL 18" PENDANT LIGHTS TO BE MOUNTED AT 17'-0" A.F.F. TO BOTTOM OF FIXTURES UNLESS NOTED OTHERWISE. PENDANT LIGHTS IN EXPERIENCE ROOM TO BE MOUNTED AT 20'-0" A.F.F. TO BOTTOM OF FIXTURES.
3. GC IS RESPONSIBLE FOR ORDERING AND INSTALLING LAPENDARY AND HARDWARE PANELS PER 3-A.204 AND SCHEDULE ON A.204.
4. REFER TO FINISH SCHEDULE FOR ADDITIONAL SCOPE OF WORK INFORMATION.

KEYED NOTES:

1. CURTAIN AND CURTAIN TRACK PROVIDED BY OWNER, INSTALLED BY GC. B.O. TRACK AT 18'-0" A.F.F. GC TO PROVIDE UNISTRUT, ALL THREAD, AND LABOR. RE: 1-A.204 & 2-A.204.
2. BASE TRAP ABOVE. ACOUSTIC PANELS PROVIDED BY AND INSTALLED BY GC. RE: 1-A.506 AND INTERIOR ELEVATIONS.
3. BULKHEAD ABOVE. RE: 4-A.204 AND 7/8-A.216 FOR FINISH INFORMATION.

LEGEND:

- GYP. BOARD CEILING
- NO CEILING. EXPOSED TO DECK. LINES INDICATE APPROXIMATE CENTERLINE OF EXPOSED STEEL STRUCTURE.
- 2X4 CEILING GRID
- LAPENDARY PANEL RE: SCHEDULE ON A.203A
- 2X4 LIGHT FIXTURE
- 1X4 LIGHT FIXTURE
- 18" DIAMETER PENDANT LIGHT
- 6" LED RECESSED CAN LIGHT
- CANOPY LIGHT
- WALL MOUNT EMERGENCY LIGHT
- EXIT SIGN
- EMERGENCY BACKUP
- SUPPLY AIR DIFFUSER
- RETURN AIR GRILLE
- EXHAUST VENT
- SUPPLY AIR DIFFUSER
- SIDE SUPPLY AIR DIFFUSER
- MECHANICAL DUCT

KEY PLAN:

COPYRIGHT:

The design and concepts established by these documents are the property of the Architect of Record, and may not be replicated by another architect or designer, nor constructed by this or any other owner for any project except that project for which the design was originally intended, without the express written concent of The Small Group, LLC. No part of this document may be reproduced or utilized in any form without the authorization of The Small Group, LLC. All rights reserved.

Revisions:		Date
1		
2		
3		
4		
5		
6		
7		

AVL Consultant:

Civil Engineers:
VELCON GROUP, INC.
ENGINEERS & SURVEYORS
702 SW PORT ST. LUCIE BOULEVARD
PORT ST. LUCIE, FL 34953
PHONE: 772-879-0477
EMAIL: info@velcongroup.com

MEP Engineers:
darr & collins
Consulting Engineers
1400 SW. 105th St.
Edmond, Oklahoma 73105
phone (405) 359-3400 • fax (405) 359-3444
a limited liability company

Structural Engineers:
wallace
Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
410 North Walnut Avenue, Suite 200
Oklahoma City, Oklahoma 73104
405.236.5858, 800.364.5858

Planner:
HJA DESIGN STUDIO
LANDSCAPE ARCHITECTURE
50 E. Ocean Blvd.
Stuart, Florida 34994
Phone: 772-678-7200

Contractor:
J.CONROY CONSTRUCTION
Committed to Excellence Since 1979
4370 SW Cherokee Street
Palm City, Florida 34990
Phone: 772-419-3006

Seal
PRELIMINARY
NOT FOR
CONSTRUCTION

Consulting Architects:
SMALL ARCHITECTS
www.smallarchitects.com

Design Team Manager
Space

Drawing Title
REFLECTED CEILING PLAN DETAILS

Specialized Planning & Architecture for Church Environments, LLC
108 South Broadway
Edmond, Oklahoma 73034 405.840.1111

Project Title
TREASURE COAST COMMUNITY CHURCH

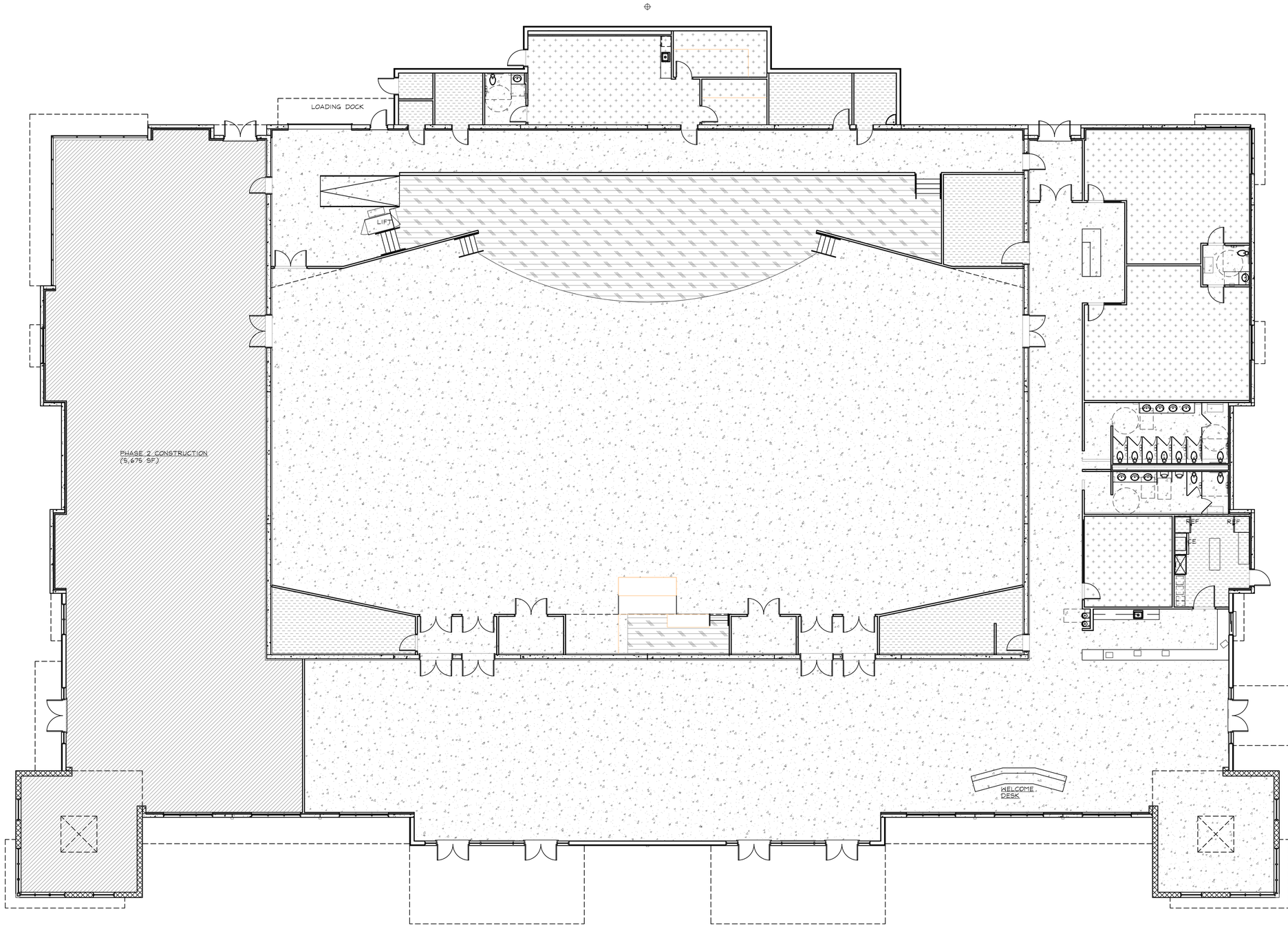
Date
JUNE 30, 2017

Project No.
16.28.004

Submittal	Checked	Drawn
65% SUBMITTAL	FTS	ADD

Location
Stuart, Florida

DRAWING NO.
A.203C



LEGEND:

- UNFINISHED CONCRETE
- PC-1: POLISHED CONCRETE
- SC-1: SEALED CONCRETE
- CPT-1: CARPET TILE, SHAW CONTRACT GROUP, COLOR TBD
- PT-1: PAINT - MAT BLACK

NOTES:

GENERAL NOTES:

A. ALL AREAS TO RECEIVE RUBBER WALL BASE (RWB) UNLESS NOTED OTHERWISE. RE: FINISH SCHED.
B. GC. TO PROVIDE AND INSTALL TRANSITION STRIPS AS REQUIRED.
C. RE: ROOM FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
D. CONTROL JOINT LOCATIONS IN CONCRETE.

KEYED NOTES: (X)

1.

KEY PLAN:

COPYRIGHT:

The design and concepts established by these documents are the property of the Architect of Record, and may not be replicated by another architect or designer, nor constructed by this or any other owner for any project except that project for which the design was originally intended, without the express written concent of The Small Group, LLC. No part of this document may be reproduced or utilized in any form without the authorization of The Small Group, LLC. All rights reserved.

NORTH

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

Revisions:

		Date
1		
2		
3		
4		
5		
6		
7		

AVL Consultant:

Civil Engineers:
VELCON GROUP, INC.
ENGINEERS & SURVEYORS
702 SW PORT ST. LUCIE BOULEVARD
PORT ST. LUCIE, FL 34953
PHONE: 772-879-0477
EMAIL: info@velcongroup.com

MEP Engineers:
darr & collins
Consulting Engineers

Structural Engineers:
wallace
Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
410 North Walnut Avenue, Suite 200
Oklahoma City, Oklahoma 73104
405.236.5858, 800.364.5858

Planner:
HJA DESIGN STUDIO
LANDSCAPE ARCHITECTURE
50 E. Ocean Blvd.
Stuart, Florida 34994
Phone: 772-678-7200

Contractor:
J.CONROY CONSTRUCTION
Committed to Excellence Since 1979
4370 SW Cherokee Street
Palm City, Florida 34990
Phone: 772-419-3006

Seal
PRELIMINARY
NOT FOR
CONSTRUCTION

Consulting Architects:
SMALL ARCHITECTS
www.smallarchitects.com

Design Team Manager
Space

Drawing Title
FLOORING PLAN

Specialized Planning & Architecture for Church Environments, LLC
108 South Broadway
Edmond, Oklahoma 73034 405.840.1111

Project Title
TREASURE COAST COMMUNITY CHURCH

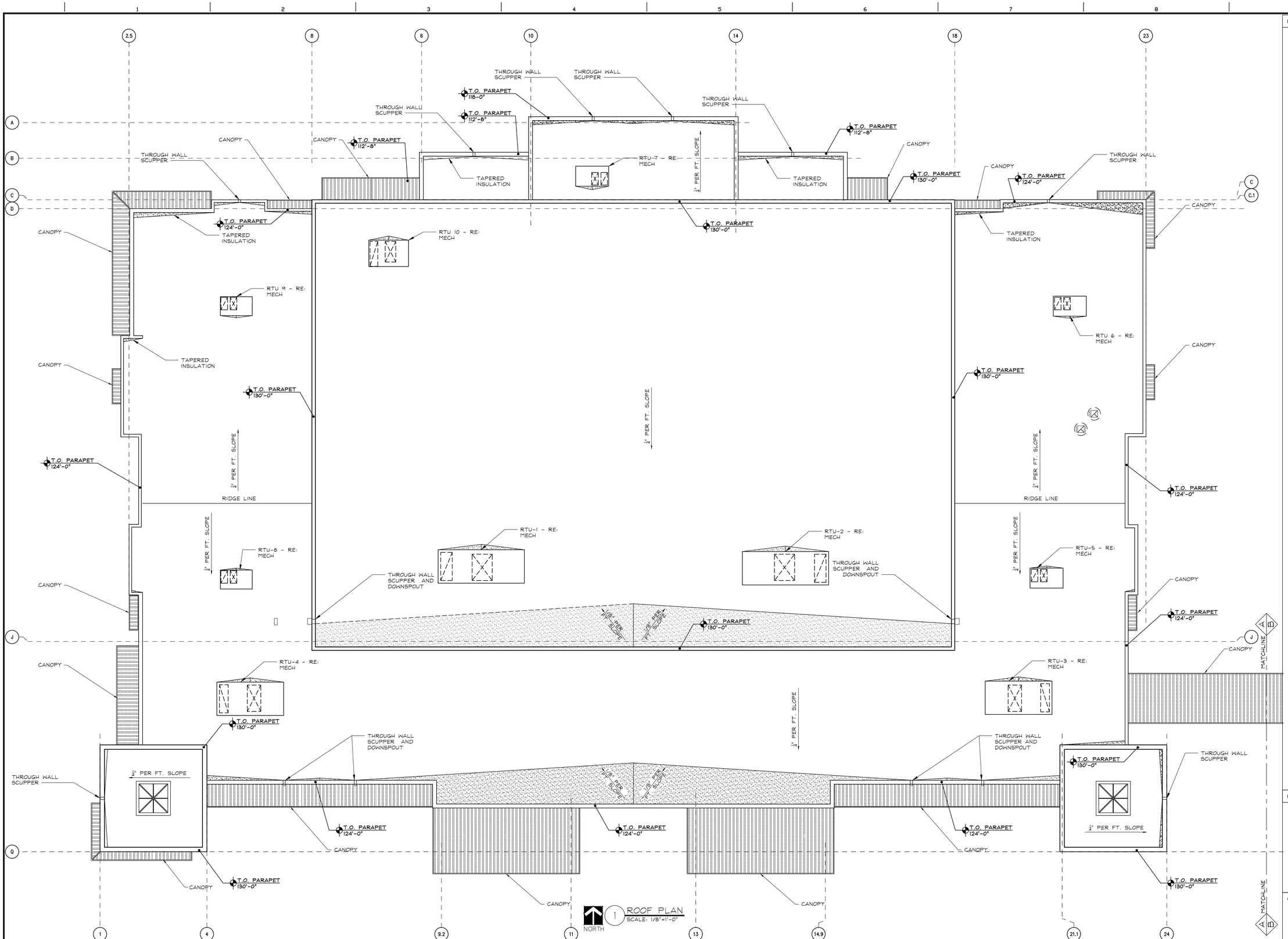
Location
Stuart, Florida

Date
JUNE 30, 2017

Project No.
16.28.004

Submittal	Checked	Drawn
65% SUBMITTAL	FTS	ADD

DRAWING NO.
A.204



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

NOTES:

LEGEND:

TAPERED INSULATION

KEY PLAN:

COPYRIGHT:

The design and concepts established by these documents are the property of the Architect of Record, and may not be replicated by another architect or designer, nor constructed by this or any other owner for any project except that project for which the design was originally intended, without the express written concent of The Small Group, LLC. No part of this document may be reproduced or utilized in any form without the authorization of The Small Group, LLC. All rights reserved.

Revisions:	Date
1	
2	
3	
4	
5	
6	
7	

AVL Consultant:

Civil Engineers:
VELCON GROUP, INC.
ENGINEERS & SURVEYORS
702 SW PORT ST. LUCIE BOULEVARD
PORT ST. LUCIE, FL 34953
PHONE: 772-879-0477
EMAIL: info@velcongroup.com

MEP Engineers:
darr & collins
Consulting Engineers
1401 SW 35th St
Stuart, Oklahoma 73078
phone (405) 280-6400 fax (405) 280-6444
a Dalel Dalby company

Structural Engineers:
wallace
Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
419 North Walnut Avenue, Suite 200
Oklahoma City, Oklahoma 73104
405.236.5858, 800.364.5858

Planner:
HJA DESIGN STUDIO
LANDSCAPE ARCHITECTURE
50 E. Ocean Blvd.
Stuart, Florida 34994
Phone: 772-678-7200

Contractor:
J.CONROY CONSTRUCTION
Committed to Excellence Since 1979
4370 SW Cherokee Street
Palm City, Florida 34990
Phone: 772-419-3006

Seal
PRELIMINARY
NOT FOR
CONSTRUCTION

Consulting Architects:
SMALL ARCHITECTS
www.smallarchitects.com

Design Team Manager
Space

Drawing Title
ROOF PLAN

Project Title
TREASURE COAST COMMUNITY CHURCH

Date
JUNE 30, 2017

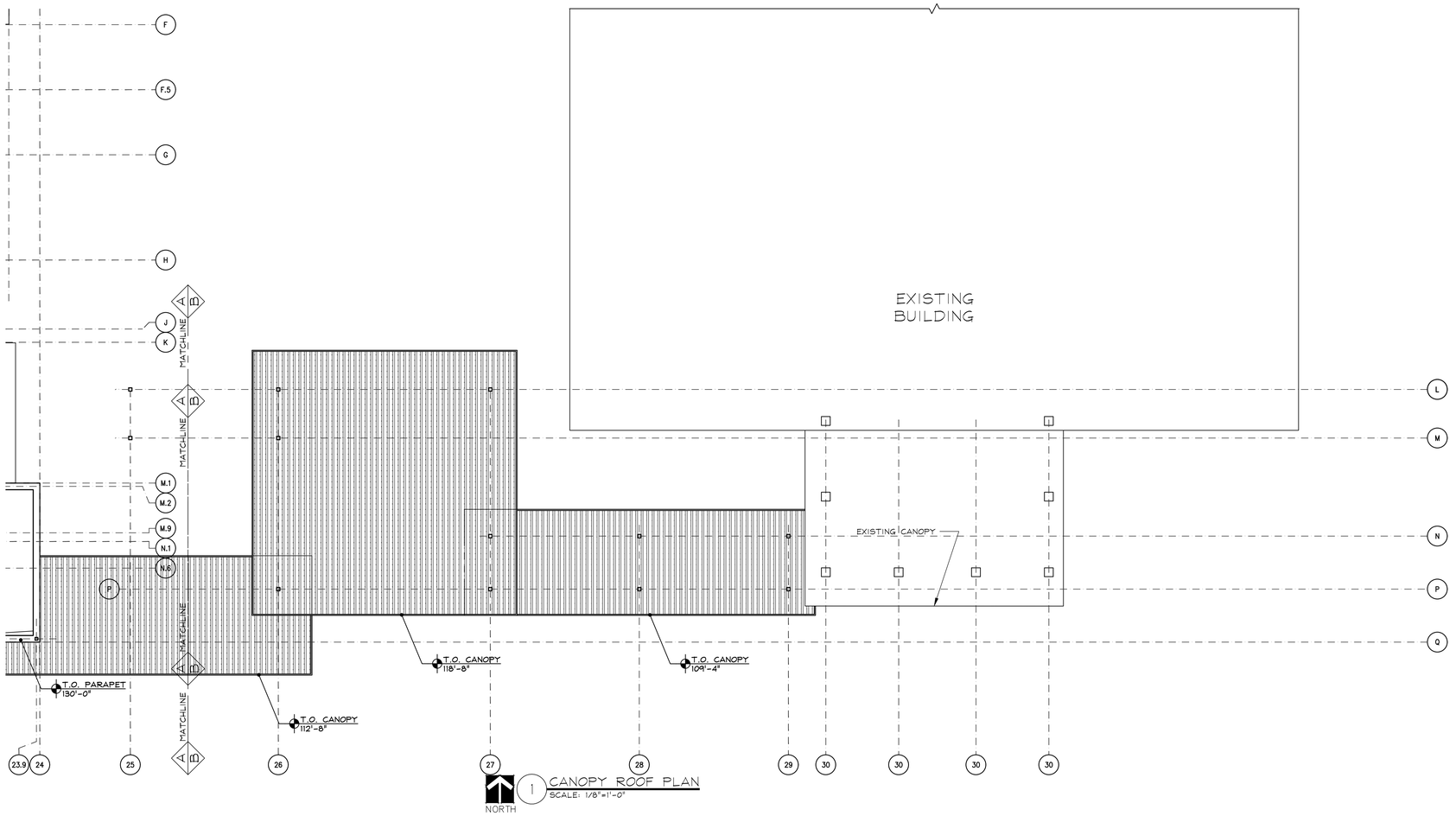
Project No.
16.28.004

Specialized Planning & Architecture for Church Environments, LLC
108 South Broadway
Edmond, Oklahoma 73034 405.840.1111

Submittal	Checked	Drawn
65% SUBMITTAL	FTS	ADD

Location
Stuart, Florida

DRAWING NO.
A.205A



1 CANOPY ROOF PLAN
SCALE: 1/8"=1'-0"

NOTES:

KEY PLAN:

COPYRIGHT:

The design and concepts established by these documents are the property of the Architect of Record, and may not be replicated by another architect or designer, nor constructed by this or any other owner for any project except that project for which the design was originally intended, without the express written concent of The Small Group, LLC. No part of this document may be reproduced or utilized in any form without the authorization of The Small Group, LLC. All rights reserved.

Revisions:	Date
1	
2	
3	
4	
5	
6	
7	

AVL Consultant:

Civil Engineers:
VELCON GROUP, INC.
ENGINEERS & SURVEYORS
702 SW PORT ST. LUCIE BOULEVARD
PORT ST. LUCIE, FL 34953
PHONE: 772-879-0477
EMAIL: info@velcongroup.com

MEP Engineers:
darr & collins
Consulting Engineers

Structural Engineers:
wallace
Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
410 North Walnut Avenue, Suite 200
Oklahoma City, Oklahoma 73104
405.236.5858, 800.364.5858

Planner:
HJA DESIGN STUDIO
LANDSCAPE ARCHITECTURE
50 E. Ocean Blvd.
Stuart, Florida 34994
Phone: 772-678-7200

Contractor:
J.CONROY CONSTRUCTION
Committed to Excellence Since 1979
4370 SW Cherokee Street
Palm City, Florida 34990
Phone: 772-419-3006

Seal
PRELIMINARY
NOT FOR
CONSTRUCTION

Consulting Architects:
SMALL ARCHITECTS
www.smallarchitects.com

Design Team Manager
Space

Drawing Title
CANOPY ROOF PLAN

Project Title
TREASURE COAST COMMUNITY CHURCH

Date
JUNE 30, 2017

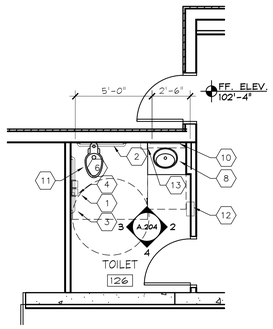
Project No.
16.28.004

Specialized Planning & Architecture for Church Environments, LLC
108 South Broadway
Edmond, Oklahoma 73034 405.840.1111

Submittal	Checked	Drawn
65% SUBMITTAL	FTS	ADD

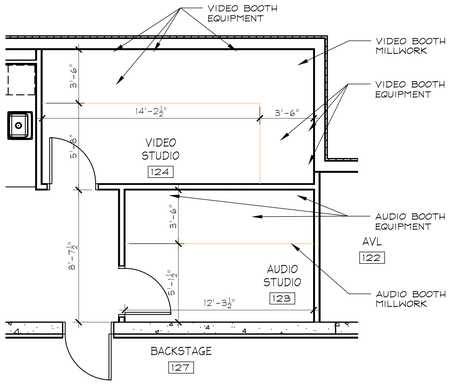
Location
Stuart, Florida

DRAWING NO.
A.205B



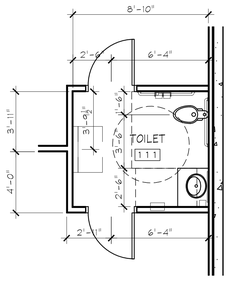
1 ENLARGED PLAN
SCALE: 1/4"=1'-0"

NORTH



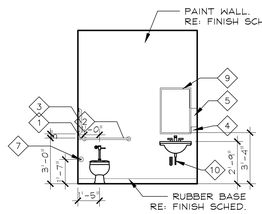
2 ENLARGED PLAN
SCALE: 1/4"=1'-0"

NORTH

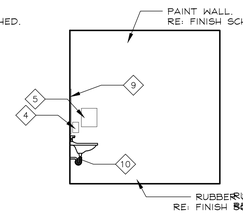


3 ENLARGED PLAN
SCALE: 1/4"=1'-0"

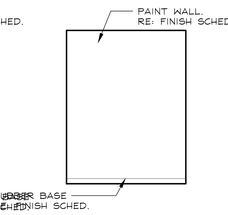
NORTH



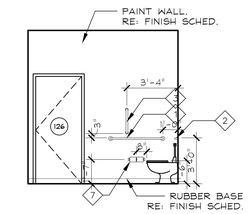
F TOILET ELEVATION
SCALE:1/4"=1'-0"



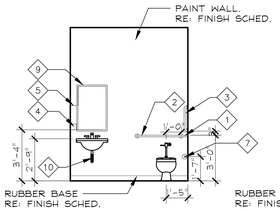
G TOILET ELEVATION
SCALE:1/4"=1'-0"



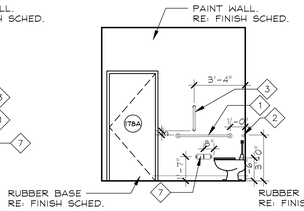
H TOILET ELEVATION
SCALE:1/4"=1'-0"



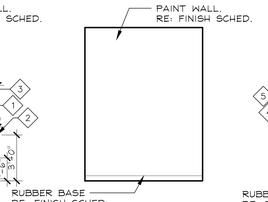
J TOILET ELEVATION
SCALE:1/4"=1'-0"



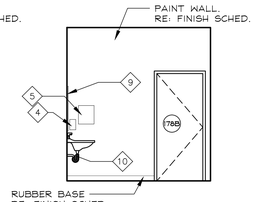
F TOILET ELEVATION
SCALE:1/4"=1'-0"



G TOILET ELEVATION
SCALE:1/4"=1'-0"



H TOILET ELEVATION
SCALE:1/4"=1'-0"



J TOILET ELEVATION
SCALE:1/4"=1'-0"

ITEM	DESCRIPTION	MODEL NUMBER / REMARKS
1	TOILET TISSUE DISPENSER	O.F/O.I.
2	36" GRAB BAR	BRADLEY #812
3	42" GRAB BAR	BRADLEY #812
4	18" GRAB BAR	BRADLEY #812
5	TOILET-ADA COMPLIANT	RE: PLUMBING
6	TOILET	RE: PLUMBING
7	URINAL-ADA COMPLIANT	RE: PLUMBING
8	VANDAL-RESISTANT SINK W/ VANDAL-RESISTANT SHROUD	RE: PLUMBING
9	FAUCET	RE: PLUMBING
10	FRAMED MIRROR	WAYFAIR TIMBER ESTATE 30" X 40"
11	SANITARY NAPKIN DISPOSAL	O.F/O.I.
12	PAPER TOWEL DISPENSER	O.F/O.I.
13	SOAP DISPENSER	O.F/O.I.

NOTES:
1. ALL MANUFACTURERS LISTED ARE BASIS OF DESIGN - OR EQUAL.
2. ALL FINISHES ARE FINAL SELECTIONS AND ARE NOT TO BE SUBSTITUTED.
3. CEILING MOUNTED TOILET PARTITIONS SHALL BE STAINLESS STEEL.

5 TOILET ACCESSORY SCHEDULE
SCALE: NOT TO SCALE

NOTES:

SHEET NOTES:

1. REFER TO SHEET A.202A FOR DOOR REFERENCES

KEY PLAN:

COPYRIGHT:

The design and concepts established by these documents are the property of the Architect of Record, and may not be replicated by another architect or designer, nor constructed by this or any other owner for any project except that project for which the design was originally intended, without the express written concent of The Small Group, LLC. No part of this document may be reproduced or utilized in any form without the authorization of The Small Group, LLC. All rights reserved.

Revisions:

		Date
1		
2		
3		
4		
5		
6		
7		

AVL Consultant:

Civil Engineers:
VELCON GROUP, INC.
ENGINEERS & SURVEYORS
702 SW PORT ST. LUCIE BOULEVARD
PORT ST. LUCIE, FL 34953
PHONE: 772-879-0477
EMAIL: info@velcongroup.com

MEP Engineers:
darr & collins
Consulting Engineers
1600 N.W. 150th St.
Edmond, Oklahoma 73026
phone (405) 285-2400 fax (405) 285-2444
a Dallas Reality company

Structural Engineers:
wallace
Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
410 North Walnut Avenue, Suite 200
Oklahoma City, Oklahoma 73104
405.236.5858, 800.364.5858

Planner:
HJA DESIGN STUDIO
LANDSCAPE ARCHITECTURE
50 E. Ocean Blvd.
Stuart, Florida 34994
Phone: 772-678-7200

Contractor:
J.CONROY CONSTRUCTION
Committed to Excellence Since 1979
4370 SW Cherokee Street
Palm City, Florida 34990
Phone: 772-419-3006

Seal
PRELIMINARY
NOT FOR
CONSTRUCTION

Consulting Architects:
SMALL ARCHITECTS
www.smallarchitects.com

Design Team Manager
Space

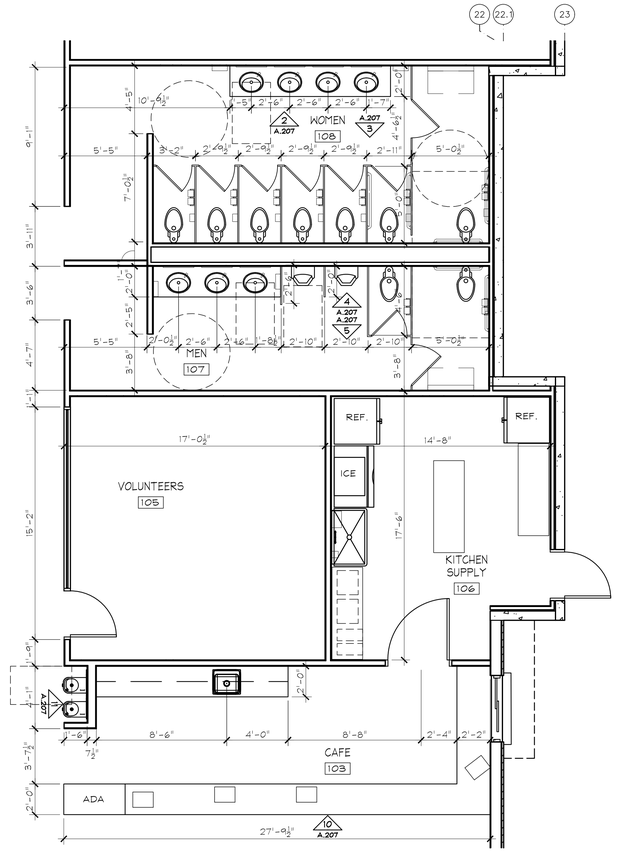
Drawing Title
ENLARGED PLANS, ELEVATIONS, AND TOILET ACCESSORY LEGEND

Specialized Planning & Architecture for Church Environments, LLC
108 South Broadway
Edmond, Oklahoma 73034 405.840.1111

Project Title
TREASURE COAST COMMUNITY CHURCH

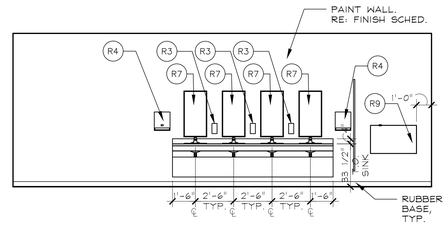
Location
Stuart, Florida

Date	Project No.	Submittal	Checked	Drawn	DRAWING NO.
JUNE 30, 2017	16.28.004	65% SUBMITTAL	FTS	ADD	A.206

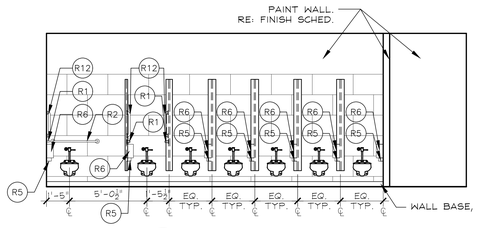


1 ENLARGED PLAN
SCALE: 1/4"=1'-0"

NORTH



2 INTERIOR ELEVATION
SCALE: 1/4"=1'-0"

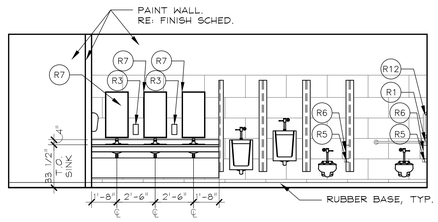


3 INTERIOR ELEVATION
SCALE: 1/4"=1'-0"

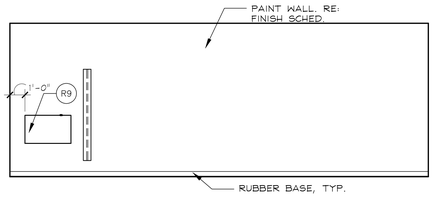
ITEM	DESCRIPTION	MODEL NUMBER / REMARKS
1	TOILET TISSUE DISPENSER	O.F.O.I.
2	36" GRAB BAR	BRADLEY #812
3	42" GRAB BAR	BRADLEY #812
4	18" GRAB BAR	BRADLEY #812
5	TOILET-ADA COMPLIANT	RE: PLUMBING
6	TOILET	RE: PLUMBING
7	URINAL-ADA COMPLIANT	RE: PLUMBING
8	VANDAL-RESISTANT SINK W/ VANDAL-RESISTANT SHROUD	RE: PLUMBING
9	FAUCET	RE: PLUMBING
10	FRAMED MIRROR	WAYFAIR TIMBER ESTATE 30" X 40"
11	SANITARY NAPKIN DISPOSAL	O.F.O.I.
12	PAPER TOWEL DISPENSER	O.F.O.I.
13	SOAP DISPENSER	O.F.O.I.

NOTES:
1. ALL MANUFACTURERS LISTED ARE BASIS OF DESIGN - OR EQUAL.
2. ALL FINISHES ARE FINAL SELECTIONS AND ARE NOT TO BE SUBSTITUTED.
3. CEILING MOUNTED TOILET PARTITIONS SHALL BE STAINLESS STEEL.

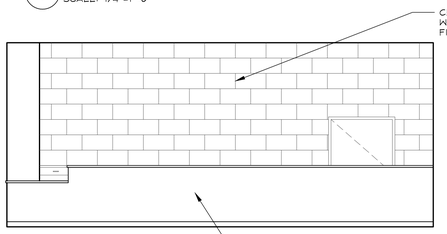
8 TOILET ACCESSORY SCHEDULE
SCALE: NOT TO SCALE



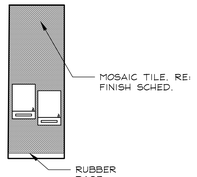
4 INTERIOR ELEVATION
SCALE: 1/4"=1'-0"



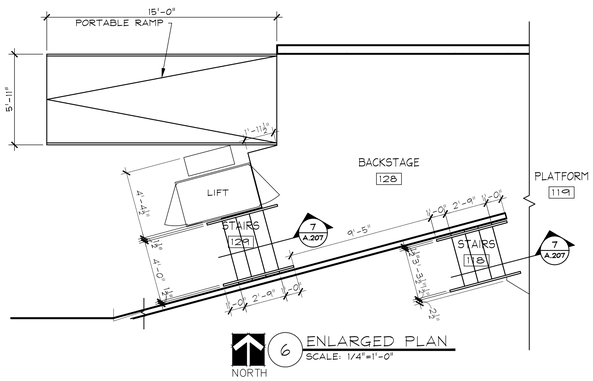
5 INTERIOR ELEVATION
SCALE: 1/4"=1'-0"



10 INTERIOR ELEVATION
SCALE: 1/4"=1'-0"

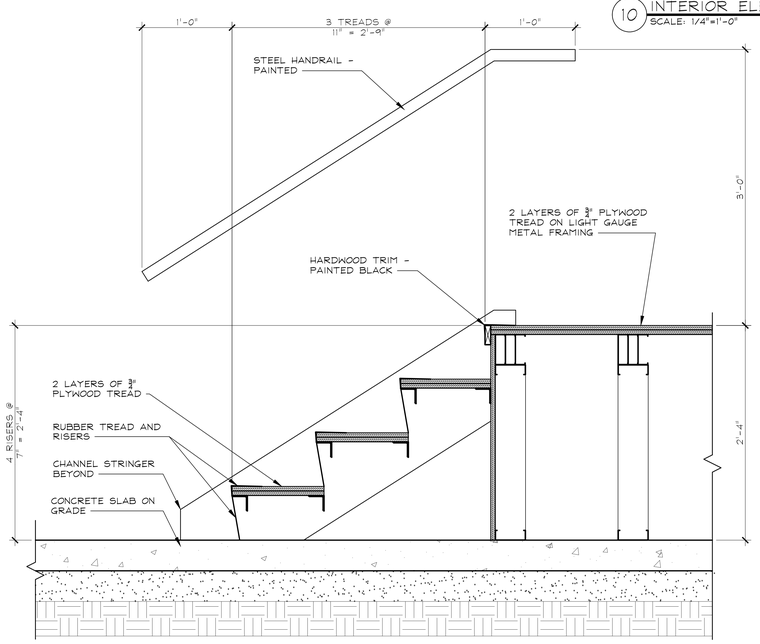


11 INTERIOR ELEVATION
SCALE: 1/4"=1'-0"

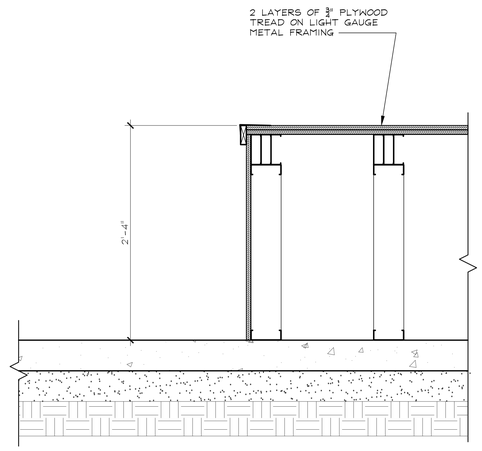


NORTH

6 ENLARGED PLAN
SCALE: 1/4"=1'-0"



7 SECTION @ PLATFORM STAIR
SCALE: 1 1/2"=1'-0"



9 SECTION @ PLATFORM
SCALE: 1 1/2"=1'-0"

NOTES:

SHEET NOTES:

1. REFER TO SHEET A.202A FOR DOOR REFERENCES

KEY PLAN:

COPYRIGHT:

The design and concepts established by these documents are the property of the Architect of Record, and may not be replicated by another architect or designer, nor constructed by this or any other owner for any project except that project for which the design was originally intended, without the express written concent of The Small Group, LLC. No part of this document may be reproduced or utilized in any form without the authorization of The Small Group, LLC. All rights reserved.

Revisions:	Date
1	
2	
3	
4	
5	
6	
7	

AVL Consultant:

Civil Engineers:
VELCON GROUP, INC.
ENGINEERS & SURVEYORS
702 SW PORT ST. LUCIE BOULEVARD
PORT ST. LUCIE, FL 34953
PHONE: 772-879-0477
EMAIL: info@velcongroup.com

MEP Engineers:
darr & collins
Consulting Engineers
Edmond, Oklahoma 73034
phone (405) 285-8484 fax (405) 285-8444
a Select Sentry company

Structural Engineers:
wallace
Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
410 North Walnut Avenue, Suite 200
Oklahoma City, Oklahoma 73104
405.236.5858, 800.364.5858

Planner:
HJA DESIGN STUDIO
LANDSCAPE ARCHITECTURE
50 E. Ocean Blvd.
Stuart, Florida 34994
Phone: 772-678-7200

Contractor:
J.CONROY CONSTRUCTION
Committed to Excellence Since 1979
4370 SW Cherokee Street
Palm City, Florida 34990
Phone: 772-419-3006

Seal
PRELIMINARY
NOT FOR
CONSTRUCTION

Consulting Architects:
SMALL ARCHITECTS
www.smallarchitects.com

Design Team Manager
Space

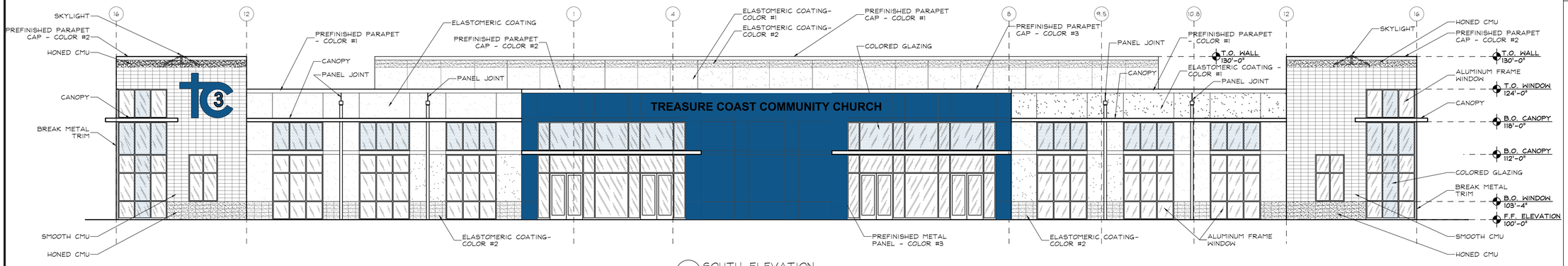
Drawing Title
ENLARGED PLANS, TOILET ELEVATIONS, AND TOILET ACCESSORY LEGEND

Specialized Planning & Architecture for Church Environments, LLC
108 South Broadway
Edmond, Oklahoma 73034 405.840.1111

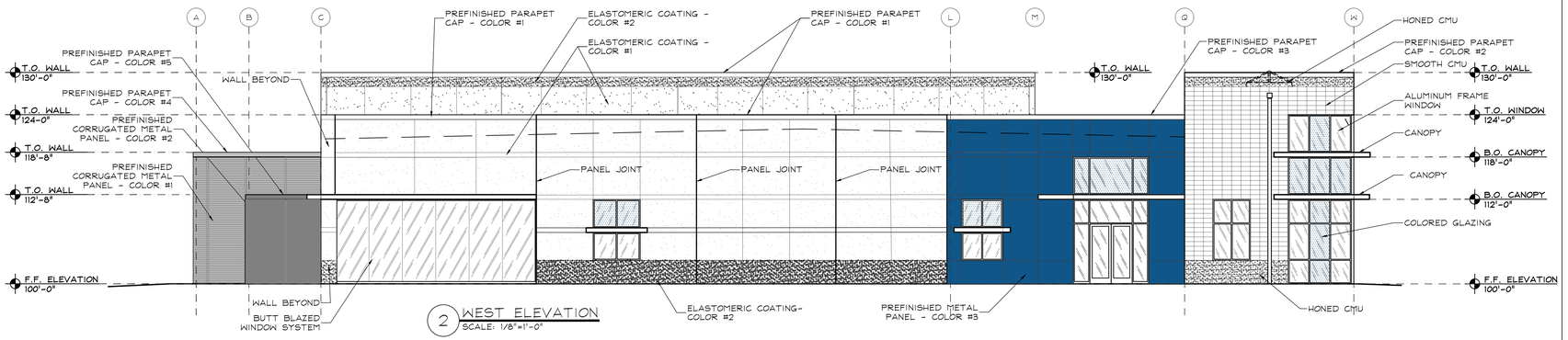
Project Title
TREASURE COAST COMMUNITY CHURCH

Date: JUNE 30, 2017
Project No.: 16.28.004
Submittal: 65% SUBMITTAL
Checked: FTS
Drawn: ADD
Location: Stuart, Florida

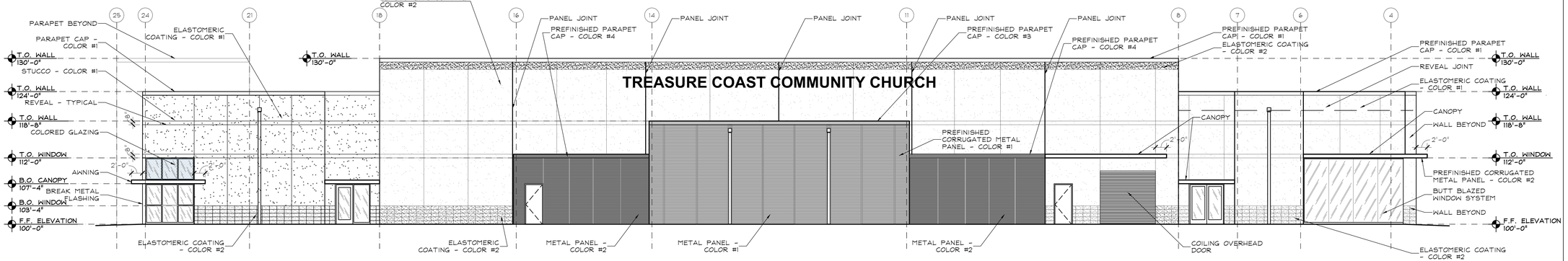
DRAWING NO.
A.207



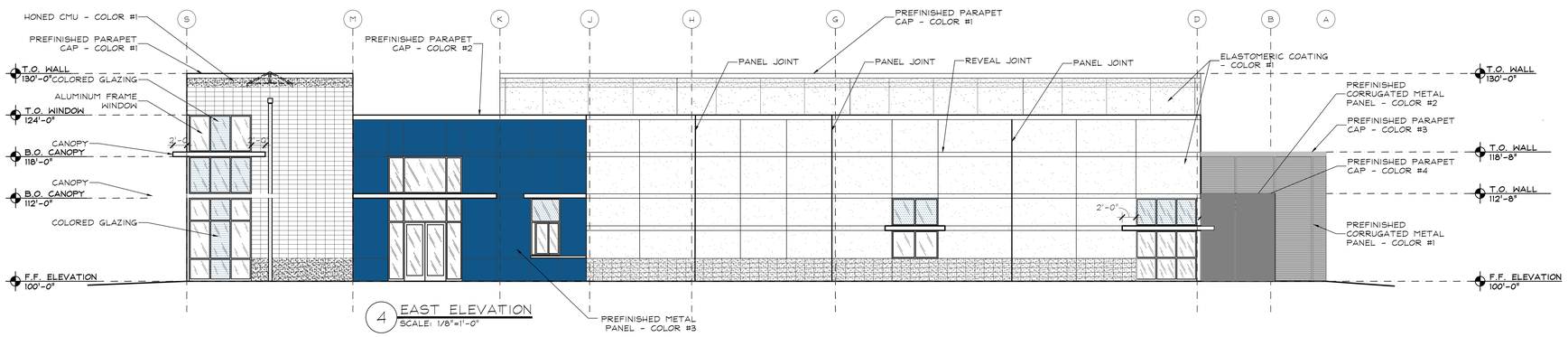
1 SOUTH ELEVATION
SCALE: 1/8"=1'-0"



2 WEST ELEVATION
SCALE: 1/8"=1'-0"



3 NORTH ELEVATION
SCALE: 1/8"=1'-0"



4 EAST ELEVATION
SCALE: 1/8"=1'-0"

NOTES:

ELEVATION NOTES:
A. ALL AWNINGS TO BE GALVANIZED STEEL POWDER COATED WHITE
- ALL COLUMNS AND FASCIAS TO BE WHITE (LIKE BUILDING AWNINGS/CANOPIES)
- GALVANIZED STEEL ROOF PANELS/DECK

MATERIAL LEGEND:

- SMOOTH CMU, LIGHT GRAY
- HONED CMU, LIGHT GRAY
- METAL PANELS, COLOR TO MATCH CHURCH COLOR (TEAL)
- STUCCO, LIGHT GRAY COLOR
- TINTED GLASS, COLOR TO MATCH CHURCH COLOR
- CORRUGATED METAL PANELS, MEDIUM GRAY
- CORRUGATED METAL PANELS, LIGHT GRAY
- POWDER COATED AWNING

KEY PLAN:

COPYRIGHT:

The design and concepts established by these documents are the property of the Architect of Record, and may not be replicated by another architect or designer, nor constructed by this or any other owner for any project except that project for which the design was originally intended, without the express written concent of The Small Group, LLC. No part of this document may be reproduced or utilized in any form without the authorization of The Small Group, LLC. All rights reserved.

Revisions:	Date
1	
2	
3	
4	
5	
6	
7	

AVL Consultant:

Civil Engineers:
VELCON GROUP, INC.
ENGINEERS & SURVEYORS
702 SW PORT ST. LUCIE BOULEVARD
PORT ST. LUCIE, FL 34953
PHONE: 772-879-0477
EMAIL: info@velcongroup.com

MEP Engineers:
darr & collins
Consulting Engineers
1400 N.W. 10th St.
Edmond, Oklahoma 73003
phone (405) 285-8455 fax (405) 285-8464
a Select Sentry company

Structural Engineers:
wallace
Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
410 North Walnut Avenue, Suite 200
Oklahoma City, Oklahoma 73104
405.236.5858, 800.364.5858

Planner:
HJA DESIGN STUDIO
LANDSCAPE ARCHITECTURE
50 E. Ocean Blvd.
Stuart, Florida 34994
Phone: 772-678-7200

Contractor:
J.CONROY CONSTRUCTION
Committed to Excellence Since 1979
4370 SW Cherokee Street
Palm City, Florida 34990
Phone: 772-419-3006

Seal
PRELIMINARY
NOT FOR
CONSTRUCTION

Consulting Architects:
SMALL ARCHITECTS
www.smallarchitects.com

Design Team Manager
Space

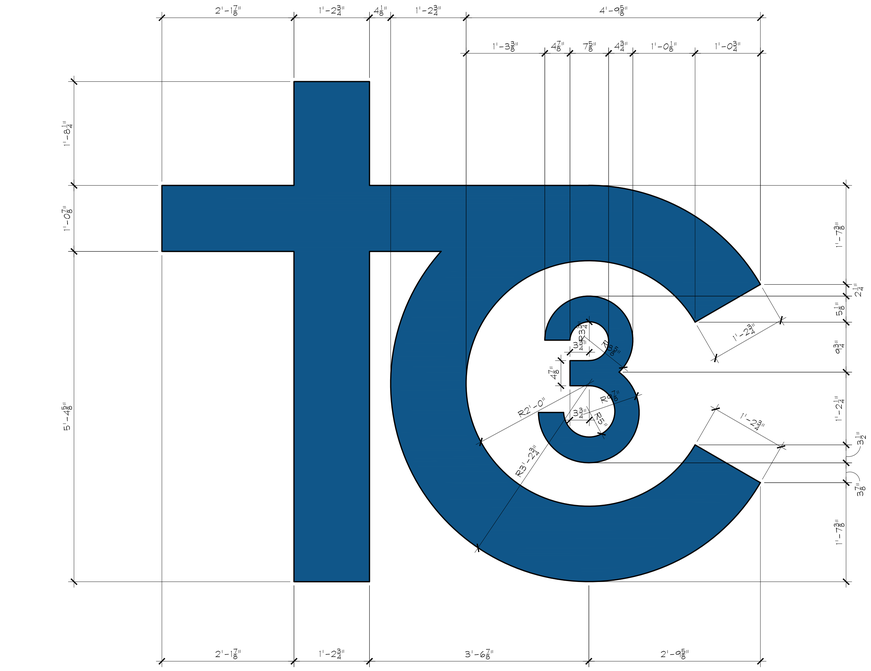
Drawing Title
BUILDING ELEVATIONS

Specialized Planning & Architecture for Church Environments, LLC
108 South Broadway
Edmond, Oklahoma 73034 405.840.1111

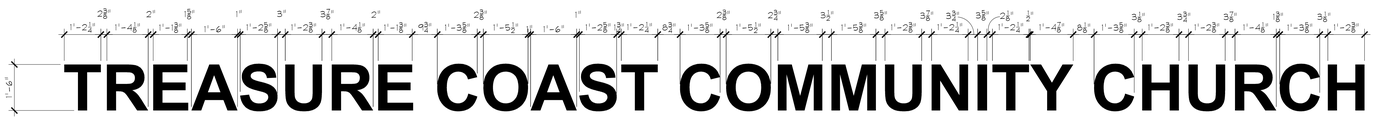
Project Title
TREASURE COAST COMMUNITY CHURCH

Date: JUNE 30, 2017
Project No.: 16.28.004
Submittal: 65% SUBMITTAL
Checked: FTS
Drawn: ADD
Location: Stuart, Florida

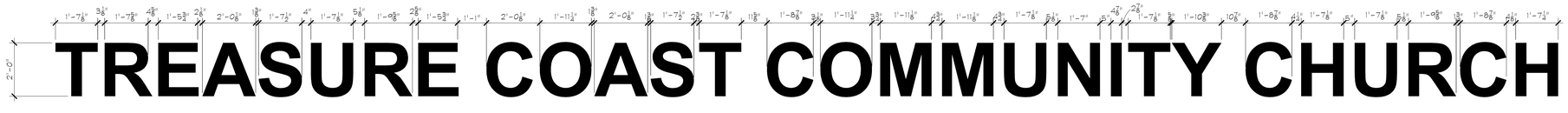
DRAWING NO.
A.301



1 TC3 EXTERIOR LOGO
SCALE: 1"=1'-0"



2 SOUTH EXTERIOR SIGNAGE
SCALE: 1/2"=1'-0"



3 NORTH EXTERIOR SIGNAGE
SCALE: 1/2"=1'-0"

NOTES:

KEY PLAN:

COPYRIGHT:

The design and concepts established by these documents are the property of the Architect of Record, and may not be replicated by another architect or designer, nor constructed by this or any other owner for any project except that project for which the design was originally intended, without the express written concent of The Small Group, LLC. No part of this document may be reproduced or utilized in any form without the authorization of The Small Group, LLC. All rights reserved.

Revisions:	Date
1	
2	
3	
4	
5	
6	
7	

AVL Consultant:

Civil Engineers:
VELCON GROUP, INC.
ENGINEERS & SURVEYORS
702 SW PORT ST. LUCIE BOULEVARD
PORT ST. LUCIE, FL 34953
PHONE: 772-879-0477
EMAIL: info@velcongroup.com

MEP Engineers:
darr & collins
Consulting Engineers
1400 SW. 95th St.
Edmond, Oklahoma 73013
phone (405) 285-8400 • fax (405) 285-8444
a limited liability company

Structural Engineers:
wallace
Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
410 North Walnut Avenue, Suite 200
Oklahoma City, Oklahoma 73104
405.236.5858, 800.364.5858

Planner:
HJA DESIGN STUDIO
LANDSCAPE ARCHITECTURE
50 E. Ocean Blvd.
Stuart, Florida 34994
Phone: 772-678-7200

Contractor:
J.CONROY CONSTRUCTION
Committed to Excellence Since 1979
4370 SW Cherokee Street
Palm City, Florida 34990
Phone: 772-419-3006

Seal
PRELIMINARY
NOT FOR
CONSTRUCTION

Consulting Architects:
SMALL ARCHITECTS
www.smallarchitects.com

Design Team Manager
Space

Drawing Title
EXTERIOR BUILDING SIGNAGE DETAILS

Specialized Planning & Architecture for Church Environments, LLC
108 South Broadway
Edmond, Oklahoma 73034 405.840.1111

Project Title
TREASURE COAST COMMUNITY CHURCH

Date: JUNE 30, 2017
Project No.: 16.28.004
Submittal: 65% SUBMITTAL
Checked: FTS
Drawn: ADD
Location: Stuart, Florida
DRAWING NO.: A.302

ROOM FINISH SCHEDULE

ROOM NO.	ROOM TITLE	FLOOR	BASE	WALL				CEILING	MILLWORK	COUNTERTOP	NOTES
				NORTH	EAST	SOUTH	WEST				
101	LOBBY	PC-1	RWB	PT-X	PT-X	PT-X	PT-X	CLG-1	ST-1	PL-X	
102	CAFE SEATING	PC-1	RWB	PT-X	PT-X	PT-X	PT-X	CLG-1	--	--	
103	CAFE	PC-1	RWB	CT-1	PT-X	PT-X	PT-X	CLG-3	ST-1	PL-X	
104	CORRIDOR	PC-1	RWB	PT-X	PT-X/MT-1	PT-X	PT-X	CLG-1/5	--	--	1
105	VOLUNTEERS	CPT-1	RWB	PT-X	PT-X	PT-X	PT-X	CLG-4	--	--	
106	KITCHEN SUPPLY	SC-1	RWB	PT-X	PT-X	PT-X	PT-X	CLG-4	--	--	
107	MEN	PC-1	CTB	CT-2/PT-X	PT-X	PT-X	PT-X	CLG-3	--	PL-X	
108	WOMEN	PC-1	CTB	PT-X	PT-X	CT-2/PT-X	PT-X	CLG-3	--	PL-X	
109	INFANTS	CPT-1	RWB	PT-X	PT-X	PT-X	PT-X	CLG-4	--	--	2
110	TOILET	PC-1	CTB	PT-X	PT-X	PT-X	PT-X	CLG-3	--	PL-X	
111	TODDLERS	CPT-1	RWB	PT-X	PT-X	PT-X	PT-X	CLG-4	--	--	2
112	CHILD CHECK-IN	PC-1	RWB	PT-X	PT-X	PT-X	PT-X	CLG-3	ST-1	PL-X	
113	STORAGE	SC-1	RWB	PT-X	PT-X	PT-X	PT-X	CLG-2	--	--	
114	VESTIBULE	PC-1	RWB	PT-X	PT-X	PT-X	PT-X	CLG-5	--	--	
115	BACKSTAGE	MDF-1	RWB	PT-X	PT-X	PT-X	PT-X	CLG-2	--	--	
116	JANITOR	SC-1	RWB	PT-X	PT-X	PT-X	PT-X	CLG-2	--	--	
117	BACKSTAGE	PC-1	RWB	PT-X	PT-X	PT-X	PT-X	CLG-2	--	--	
118	STAIR	MDF-1	RWB	PT-X	PT-X	PT-X	PT-X	CLG-2			
119	PLATFORM	MDF-1	RWB	PT-X	PT-X	PT-X	PT-X	CLG-2	--	--	
120	AVL	SC-1	RWB	PT-X	PT-X	PT-X	PT-X	CLG-2	--	--	
121	AUDIO STUDIO	CPT-1	RWB	PT-X	PT-X	PT-X	PT-X	CLG-5	--	PL-X	
122	VIDEO STUDIO	CPT-1	RWB	PT-X	PT-X	PT-X	PT-X	CLG-5	--	PL-X	
123	GREEN ROOM	CPT-1	RWB	PT-X	PT-X	PT-X	PT-X	CLG-5	ST-1	PL-X	
124	TOILET	PC-1	CTB	PT-X	PT-X	PT-X	PT-X	CLG-5	--	PL-X	
125	ELEC. ROOM	SC-1	RWB	PT-X	PT-X	PT-X	PT-X	CLG-2	--	--	
126	RISER ROOM	SC-1	RWB	PT-X	PT-X	PT-X	PT-X	CLG-2	--	--	
127	STORAGE	SC-1	RWB	PT-X	PT-X	PT-X	PT-X	CLG-2	--	--	
128	BACKSTAGE	MDF-1/PC-1	RWB	PT-X	PT-X	PT-X	PT-X	CLG-2	--	--	
129	STAIR	MDF-1	RWB	PT-X	PT-X	PT-X	PT-X	CLG-2			
130	AUDITORIUM	PC-1	RWB	PT-X	PT-X	PT-X	PT-X	CLG-2	--	--	
131	SHELL SPACE	NF	RWB	PT-X	PT-X	PT-X	PT-X	CLG-X	--	--	
132	STORAGE	SC-1	RWB	PT-X	PT-X	PT-X	PT-X	CLG-2	--	--	
133	VESTIBULE	PC-1	RWB	PT-X	PT-X	PT-X	PT-X	CLG-3	--	--	
134	STORAGE	PC-1	RWB	PT-X	PT-X	PT-X	PT-X	CLG-2	--	--	
135	SOUND BOOTH	MDF-1	RWB	PT-X	PT-X	PT-X	PT-X	CLG-2/3	--	PL-X	
136	STORAGE	PC-1	RWB	PT-X	PT-X	PT-X	PT-X	CLG-2	--	--	
137	VESTIBULE	PC-1	RWB	PT-X	PT-X	PT-X	PT-X	CLG-3	--	--	
138	NURSING MOTHER RM.	CPT-1	RWB	PT-X	PT-X	PT-X	PT-X	CLG-5	--	--	

ROOM FINISH LEGEND

MARK	FINISH
CLG-1	NO CEILING. EXPOSED TO STRUCTURE. PAINT DRYFALL WHITE
CLG-2	NO CEILING. EXPOSED TO STRUCTURE. PAINT DRYFALL BLACK
CLG-3	GYP. BOARD CEILING. PAINT PT-X.
CLG-4	2X4 LAY-IN CEILING - USG "RADAR" CLIMAPLUS #2430 TEGULAR
CLG-5	2X2 LAY-IN CEILING - USG "RADAR" CLIMAPLUS #2430 TEGULAR
SC-1	SEALED CONCRETE
PC-1	POLISHED CONCRETE
CPT-1	CARPET TILE. SHAW CONTRACT GROUP
MDF-1	MDF PANELS PAINTED BLACK.
CTB	UNGLAZED PORCELAIN COVE BASE. INTERCERAMIC, ADVANCE, 6X12 TILE WITH 1/8" GROUT JOINT, "GRIGIO LUPICA"
GRT-1	GROUT. LATICRETE, "NATURAL GREY" #24
CT-1	CERAMIC WALL TILE-TBD
CT-2	CERAMIC WALL TILE-TBD
MT-1	MOSAIC TILE-TBD
RWB	RUBBER WALL BASE WITH COVE. JOHNSONITE TSB-XXX-4
RST	RUBBER STAIR NOSING. JOHNSONITE, VITSN-XXX
PL-1	PLASTIC LAMINATE.
PL-2	PLASTIC LAMINATE.
PL-3	PLASTIC LAMINATE.
ST-1	STAIN. SHERWIN WILLIAMS, SW 3133-B "RUSTIC GRAY"
PT-1	PAINT. SHERWIN WILLIAMS
PT-2	PAINT. SHERWIN WILLIAMS
PT-3	PAINT. SHERWIN WILLIAMS
PT-4	PAINT. SHERWIN WILLIAMS
PT-5	PAINT. SHERWIN WILLIAMS
PT-6	PAINT. SHERWIN WILLIAMS
SS-1	SOLID SURFACE SILL. WILSONART
SS-2	SOLID SURFACE COUNTERTOP
TBD	FINISH TO BE DETERMINED

GENERAL NOTES:
A. HOLLOW METAL DOORS AND FRAMES TO BE PAINTED PT-X.
B. WOOD VENEER DOORS TO BE CLEAR BIRCH WITH HORIZONTAL BOOKMATCH VENEER.
C. REFER TO INTERIOR ELEVATIONS FOR EXTENTS OF FINISHES AND ACCENT WALL LOCATIONS.
D. PAINT ALL EXPOSED STEEL COLUMNS PT-X, UNLESS NOTED OTHERWISE.
E. CORNER GUARDS AT ALL OUTSIDE CORNERS TO BE KORDGARD GS10-STAINLESS STEEL, 4' HT., 2" WING SIZE.
F. ALL FLOOR AND WALL TILE TO RECEIVE GRT-1.
G. ALL WINDOW SILLS TO BE SS-1.

KEYED NOTES:
1. MT-1 FULL HEIGHT AT EAST WALL BEHIND DRINKING FOUNTAIN.
2. CPT-1 IN THIS ROOM TO HAVE PADDING BELOW.

NOTES:

KEY PLAN:

COPYRIGHT:

The design and concepts established by these documents are the property of the Architect of Record, and may not be replicated by another architect or designer, nor constructed by this or any other owner for any project except that project for which the design was originally intended, without the express written concent of The Small Group, LLC. No part of this document may be reproduced or utilized in any form without the authorization of The Small Group, LLC. All rights reserved.

Revisions:

		Date
1	AS-BUILT	JUNE 2, 2017

AVL Consultant:

Civil Engineers:
VELCON GROUP, INC.
ENGINEERS & SURVEYORS
702 SW PORT ST. LUCIE BOULEVARD
PORT ST. LUCIE, FL 34953
PHONE: 772-879-0477
EMAIL: info@velcongroup.com

MEP Engineers:
darr & collins
Consulting Engineers

Structural Engineers:
wallace
Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
410 North Walnut Avenue, Suite 200
Oklahoma City, Oklahoma 73104
405.236.5858, 800.364.5858

Planner:
HJA DESIGN STUDIO
LANDSCAPE ARCHITECTURE
50 E. Ocean Blvd.
Stuart, Florida 34994
Phone: 772-678-7200

Contractor:
J.CONROY CONSTRUCTION
Committed to Excellence Since 1979
4370 SW Cherokee Street
Palm City, Florida 34990
Phone: 772-419-3006

Seal
PRELIMINARY
NOT FOR
CONSTRUCTION

Consulting Architects:
SMALL ARCHITECTS
www.smallarchitects.com

Design Team Manager
Space

Drawing Title
ROOM FINISH SCHEDULE AND FINISH LEGEND

Project Title
TREASURE COAST COMMUNITY CHURCH

Date
JUNE 30, 2017

Project No.
16.28.004

Specialized Planning & Architecture for Church Environments, LLC
108 South Broadway
Edmond, Oklahoma 73034 405.840.1111

Submittal: 65% SUBMITTAL
Checked: FTS
Drawn: ADD

Location
Stuart, Florida

DRAWING NO.
A.401

DOOR AND FRAME SCHEDULE

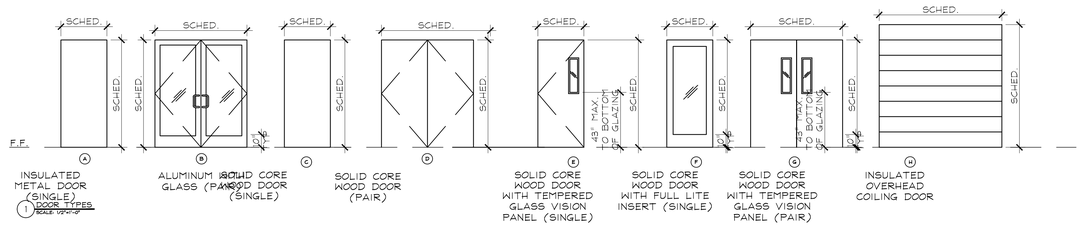
MARK	ROOM NO.	DOOR TYPE	DOOR MATERIAL	DOOR GLAZING	DOOR SIZE WIDTH	DOOR SIZE HEIGHT	FRAME TYPE	FRAME MATERIAL	FRAME DETAILS HEAD	FRAME DETAILS JAMB	FRAME DETAILS SILL	FIRE RATING (MINUTES)	HARDWARE	NOTES
101A	101/OUT	B	ALUMINUM	B	6'-0"	8'-6"	4	ALUMINUM	--	--	21/A.405	--	--	1
101B	101/OUT	B	ALUMINUM	B	6'-0"	8'-6"	4	ALUMINUM						1
101C	101/OUT	B	ALUMINUM	B	6'-0"	8'-6"	4	ALUMINUM						1
101D	101/OUT	B	ALUMINUM	B	6'-0"	8'-6"	4	ALUMINUM						1
101E	101/OUT	B	ALUMINUM	B	6'-0"	8'-6"	3	ALUMINUM						1
104	104/114	G	WOOD	B	6'-0"	7'-0"	1	STEEL						
105	104/105	F	ALUMINUM	B	3'-0"	7'-0"	5	ALUMINUM						
106	103/106	C	WOOD	--	4'-0"	7'-0"	1	STEEL						
109	112/109	E	WOOD	B	3'-0"	7'-0"	1	STEEL						
110A	110/109	C	WOOD	--	3'-0"	7'-0"	1	STEEL						
110B	110/111	C	WOOD	--	3'-0"	7'-0"	1	STEEL						
111	112/111	E	WOOD	B	3'-0"	7'-0"	1	STEEL						
113	104/113	C	WOOD	--	3'-0"	7'-0"	1	STEEL						
114	114/OUT	B	ALUMINUM	B	6'-0"	8'-6"	2	ALUMINUM						
116	116/117	C	WOOD	--	3'-0"	7'-0"	1	STEEL						
117A	117/114	E	WOOD	B	3'-0"	7'-0"	1	STEEL						
117B	117/OUT	A	METAL	--	3'-0"	7'-0"	1	STEEL						
117C	117/131	E	WOOD	B	3'-0"	7'-0"	1	STEEL						
117D	130/117	D	WOOD	--	6'-0"	7'-0"	1	STEEL						
117E	117/OUT	D	METAL	--	10'-0"	10'-0"	--	STEEL						
120	117/120	C	WOOD	--	3'-0"	7'-0"	1	STEEL						
121	123/121	C	WOOD	--	3'-0"	7'-0"	1	STEEL						
122	123/122	C	WOOD	--	3'-0"	7'-0"	1	STEEL						
123A	123/117	E	WOOD	B	3'-0"	7'-0"	1	STEEL						
123B	123/OUT	A	METAL	--	3'-0"	7'-0"	1	STEEL						
124	123/124	C	WOOD	--	3'-0"	7'-0"	1	STEEL						
125	125/117	C	WOOD	--	3'-0"	7'-0"	1	STEEL						
126	126/OUT	A	METAL	--	3'-0"	7'-0"	1	STEEL						
127	127/119	C	WOOD	--	3'-0"	7'-0"	1	STEEL						
130A	130/133	G	WOOD	B	6'-0"	7'-0"	1	STEEL						
130B	130/133	G	WOOD	B	6'-0"	7'-0"	1	STEEL						
130C	130/133	G	WOOD	B	6'-0"	7'-0"	1	STEEL						
130D	130/133	G	WOOD	B	6'-0"	7'-0"	1	STEEL						
130E	130/104	D	WOOD	--	6'-0"	7'-0"	1	STEEL						
130F	130/131	D	WOOD	--	6'-0"	7'-0"	1	STEEL						
131A	131/OUT	B	ALUMINUM	B	6'-0"	8'-6"	2	ALUMINUM						
131B	131/OUT	B	ALUMINUM	B	6'-0"	8'-6"	3	ALUMINUM						1
132	133/132	C	WOOD	--	3'-0"	7'-0"	1	STEEL						
133A	133/101	G	WOOD	B	6'-0"	7'-0"	1	STEEL						
133B	133/101	G	WOOD	B	6'-0"	7'-0"	1	STEEL						
137A	137/101	G	WOOD	B	6'-0"	7'-0"	1	STEEL						
137B	137/101	G	WOOD	B	6'-0"	7'-0"	1	STEEL						
134	130/134	D	WOOD	--	6'-0"	7'-0"	1	STEEL						
136	130/136	D	WOOD	--	6'-0"	7'-0"	1	STEEL						
138	104/138	C	WOOD	--	3'-0"	7'-0"	1	STEEL						

DOOR GLAZING SCHEDULE

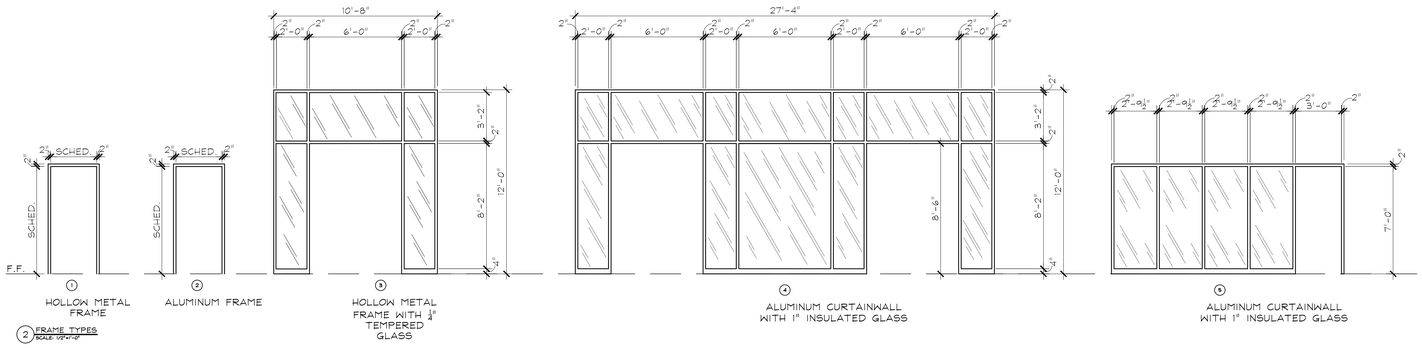
MARK	FINISH
A	1" FULLY TEMPERED INSULATED GLASS, CLEAR
B	1/4" FULLY TEMPERED GLASS, CLEAR.

GENERAL NOTES:
A. ALL DOORS AND FRAMES ARE TO BE PAINTED/STAINED PER ROOM FINISH SCHEDULE.
B. CONTRACTOR SHALL COORDINATE SECURITY AND CARD READER LOCATIONS AND REQUIREMENTS WITH OWNER.
C. CONTRACTOR SHALL COORDINATE KEYING REQUIREMENTS WITH OWNER.
D. REFER TO SPECIFICATIONS FOR DOOR HARDWARE SCHEDULE.
E. ALL INTERIOR WOOD DOORS SHALL HAVE HORIZONTAL BOOKMATCH VENEER.

KEYED NOTES:
1. PROVIDE AND INSTALL GLAZING TYPE A IN FRAME



1 DOOR TYPES SCALE: 1/2"=1'-0"



2 FRAME TYPES SCALE: 1/2"=1'-0"

NOTES:

KEY PLAN:

COPYRIGHT:

The design and concepts established by these documents are the property of the Architect of Record, and may not be replicated by another architect or designer, nor constructed by this or any other owner for any project except that project for which the design was originally intended, without the express written concent of The Small Group, LLC. No part of this document may be reproduced or utilized in any form without the authorization of The Small Group, LLC. All rights reserved.

Revisions:	Date
1	
2	
3	
4	
5	
6	
7	

AVL Consultant:

Civil Engineers:
VELCON GROUP, INC.
ENGINEERS & SURVEYORS
702 SW PORT ST. LUCIE BOULEVARD
PORT ST. LUCIE, FL 34953
PHONE: 772-879-0477
EMAIL: info@velcongroup.com

MEP Engineers:
darr & collins
Consulting Engineers
1400 N.W. 50th St.
Edmond, Oklahoma 73034
phone (405) 285-8455 • fax (405) 285-8444
a limited liability company

Structural Engineers:
wallace
Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
410 North Walnut Avenue, Suite 200
Oklahoma City, Oklahoma 73104
405.236.5858, 800.364.5858

Planner:
HJA DESIGN STUDIO
LANDSCAPE ARCHITECTURE
50 E. Ocean Blvd.
Stuart, Florida 34994
Phone: 772-678-7200

Contractor:
J.CONROY CONSTRUCTION
Committed to Excellence Since 1979
4370 SW Cherokee Street
Palm City, Florida 34990
Phone: 772-419-3006

Seal
PRELIMINARY
NOT FOR
CONSTRUCTION

Consulting Architects:
SMALL ARCHITECTS
www.smallarchitects.com

Design Team Manager
Space

Drawing Title
DOOR SCHEDULE
DOOR, AND FRAME TYPES

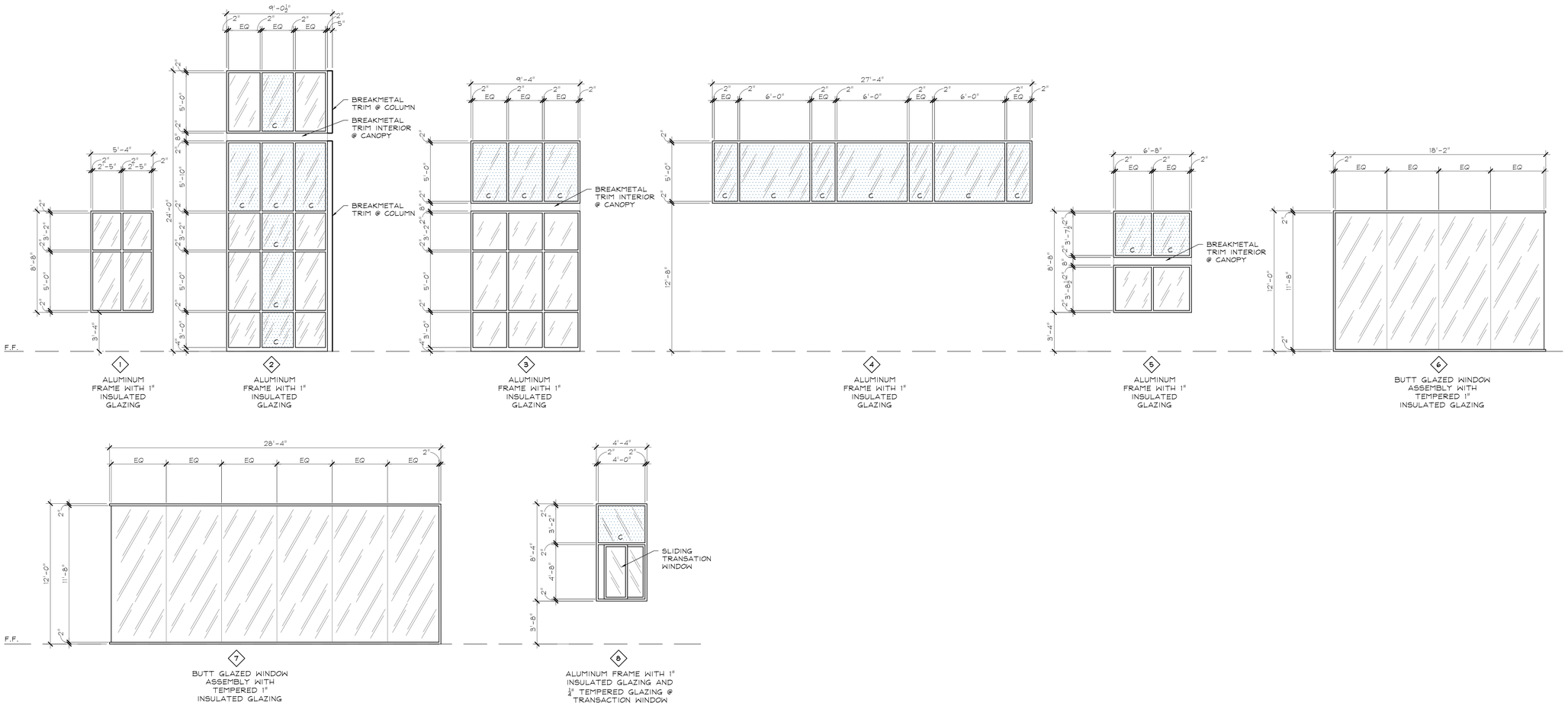
Project Title
TREASURE COAST COMMUNITY CHURCH

Specialized Planning & Architecture for Church Environments, LLC
108 South Broadway
Edmond, Oklahoma 73034 405.840.1111

Submittal	Checked	Drawn
65% SUBMITTAL	FTS	ADD

Location: Stuart, Florida

Date: JUNE 30, 2017
Project No.: 16.28.004
DRAWING NO.: A.402



1 WINDOW TYPES
SCALE: 1/4"=1'-0"

WINDOW GLAZING SCHEDULE

MARK	FINISH
A	1" FULLY TEMPERED INSULATED GLASS. CLEAR
B	1/4" FULLY TEMPERED GLASS. CLEAR.
C	1" FULLY TEMPERED INSULATED GLASS. COLORED

GENERAL NOTES:
A. ALL GLAZING SHALL BE GLAZING TYPE A, UNLESS NOTED OTHERWISE IN ELEVATIONS

KEYED NOTES:
1.

NOTES:

KEY PLAN:

COPYRIGHT:

The design and concepts established by these documents are the property of the Architect of Record, and may not be replicated by another architect or designer, nor constructed by this or any other owner for any project except that project for which the design was originally intended, without the express written concent of The Small Group, LLC. No part of this document may be reproduced or utilized in any form without the authorization of The Small Group, LLC. All rights reserved.

Revisions:	Date
1	
2	
3	
4	
5	
6	
7	

AVL Consultant:

Civil Engineers:
VELCON GROUP, INC.
ENGINEERS & SURVEYORS
702 SW PORT ST. LUCIE BOULEVARD
PORT ST. LUCIE, FL 34953
PHONE: 772-879-0477
EMAIL: info@velcongroup.com

MEP Engineers:
darr & collins
Consulting Engineers
1400 NW, 50th St.
Edmond, Oklahoma 73016
phone (405) 285-8400 • fax (405) 285-8444
a Belfast Bobby company

Structural Engineers:
wallace
Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
410 North Walnut Avenue, Suite 200
Oklahoma City, Oklahoma 73104
405.236.5858, 800.364.5858

Planner:
HJA DESIGN STUDIO
LANDSCAPE ARCHITECTURE
50 E. Ocean Blvd.
Stuart, Florida 34994
Phone: 772-678-7200

Contractor:
J.CONROY CONSTRUCTION
Committed to Excellence Since 1979
4370 SW Cherokee Street
Palm City, Florida 34990
Phone: 772-419-3006

Seal
PRELIMINARY
NOT FOR
CONSTRUCTION

Consulting Architects:
SMALL ARCHITECTS
www.smallarchitects.com

Design Team Manager
Space

Drawing Title
WINDOW SCHEDULE

Specialized Planning & Architecture for Church Environments, LLC
108 South Broadway
Edmond, Oklahoma 73034 405.840.1111

Project Title
TREASURE COAST COMMUNITY CHURCH

Date
JUNE 30, 2017

Project No.
16.28.004

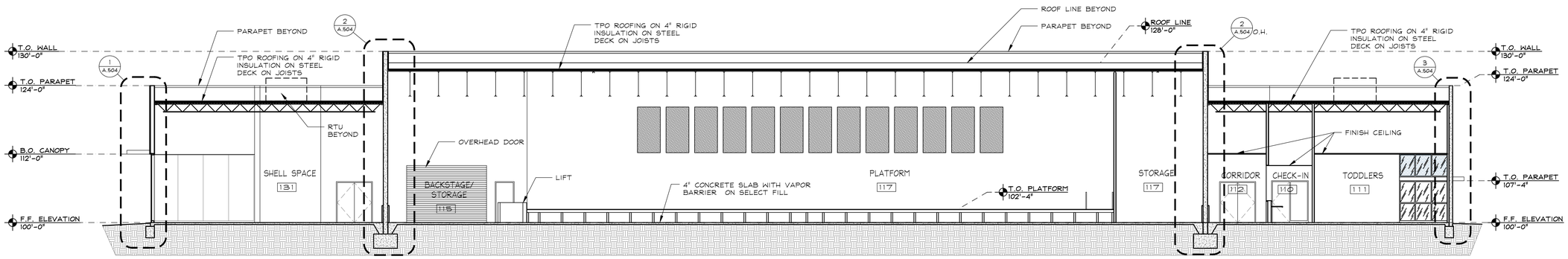
Submittal
65% SUBMITTAL

Checked
FTS

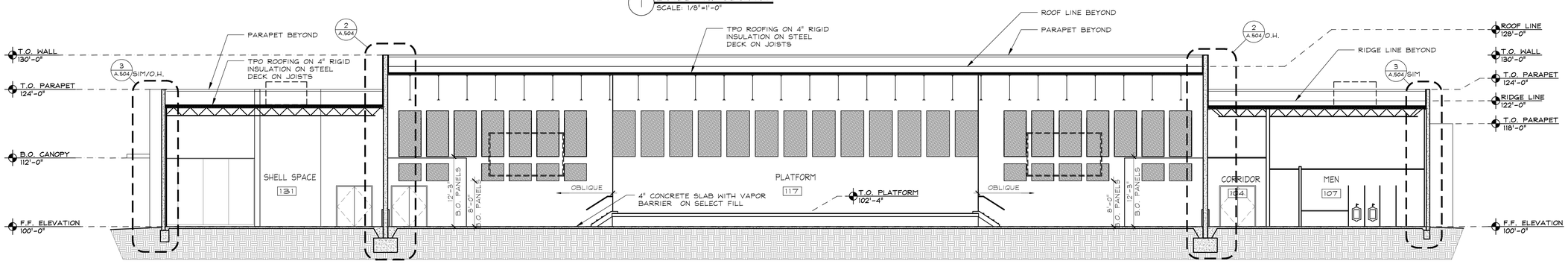
Drawn
ADD

Location
Stuart, Florida

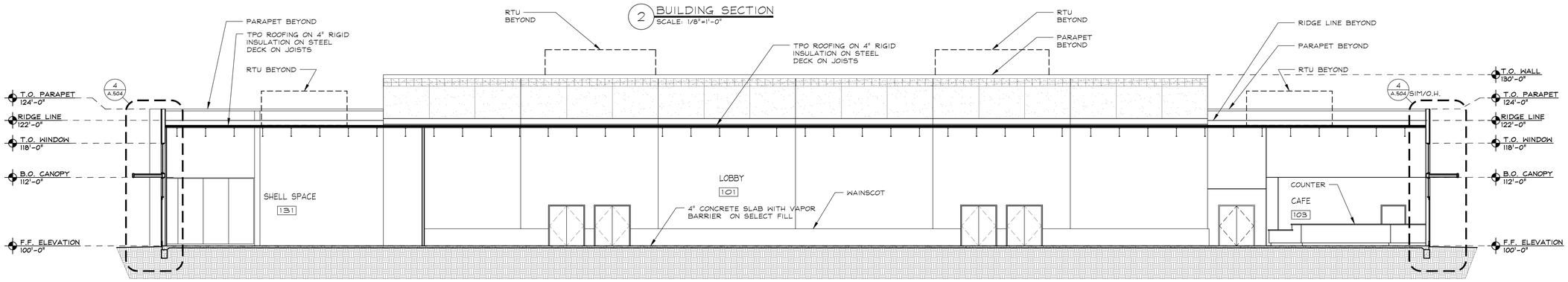
DRAWING NO.
A.403



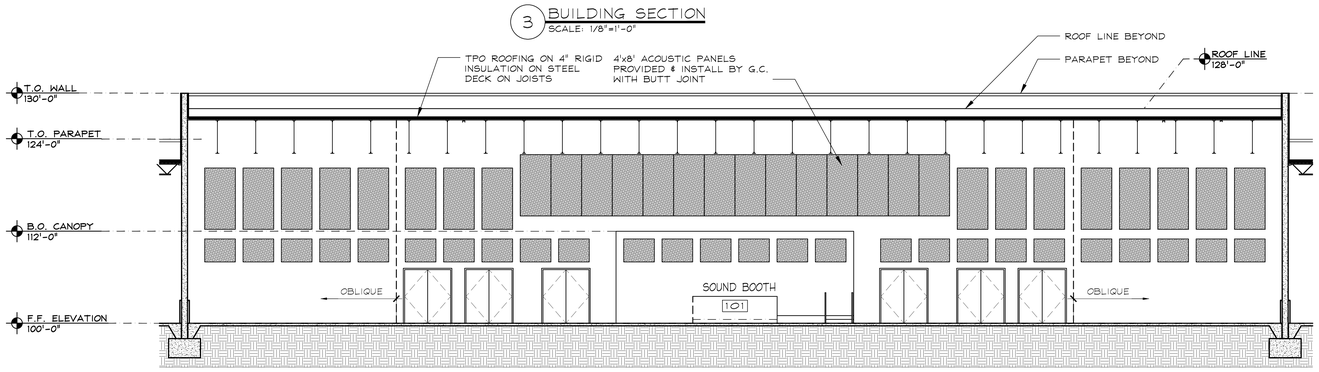
1 BUILDING SECTION
SCALE: 1/8"=1'-0"



2 BUILDING SECTION
SCALE: 1/8"=1'-0"



3 BUILDING SECTION
SCALE: 1/8"=1'-0"



4 AUDITORIUM ELEVATION
SCALE: 1/8"=1'-0"

NOTES:

KEY PLAN:

COPYRIGHT:

The design and concepts established by these documents are the property of the Architect of Record, and may not be replicated by another architect or designer, nor constructed by this or any other owner for any project except that project for which the design was originally intended, without the express written concent of The Small Group, LLC. No part of this document may be reproduced or utilized in any form without the authorization of The Small Group, LLC. All rights reserved.

Revisions:	Date
1	
2	
3	
4	
5	
6	
7	

AVL Consultant:

Civil Engineers:
VELCON GROUP, INC.
ENGINEERS & SURVEYORS
702 SW PORT ST. LUCIE BOULEVARD
PORT ST. LUCIE, FL 34953
PHONE: 772-879-0477
EMAIL: info@velcongroup.com

MEP Engineers:
darr & collins Consulting Engineers

Structural Engineers:
wallace
Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
410 North Walnut Avenue, Suite 200
Oklahoma City, Oklahoma 73104
405.235.5858, 800.364.5858

Planner:
HJA DESIGN STUDIO
LANDSCAPE ARCHITECTURE
50 E. Ocean Blvd.
Stuart, Florida 34994
Phone: 772-678-7200

Contractor:
J.CONROY CONSTRUCTION
Committed to Excellence Since 1979
4370 SW Cherokee Street
Palm City, Florida 34990
Phone: 772-419-3006

Seal
PRELIMINARY
NOT FOR
CONSTRUCTION

Consulting Architects:
SMALL ARCHITECTS
www.smallarchitects.com

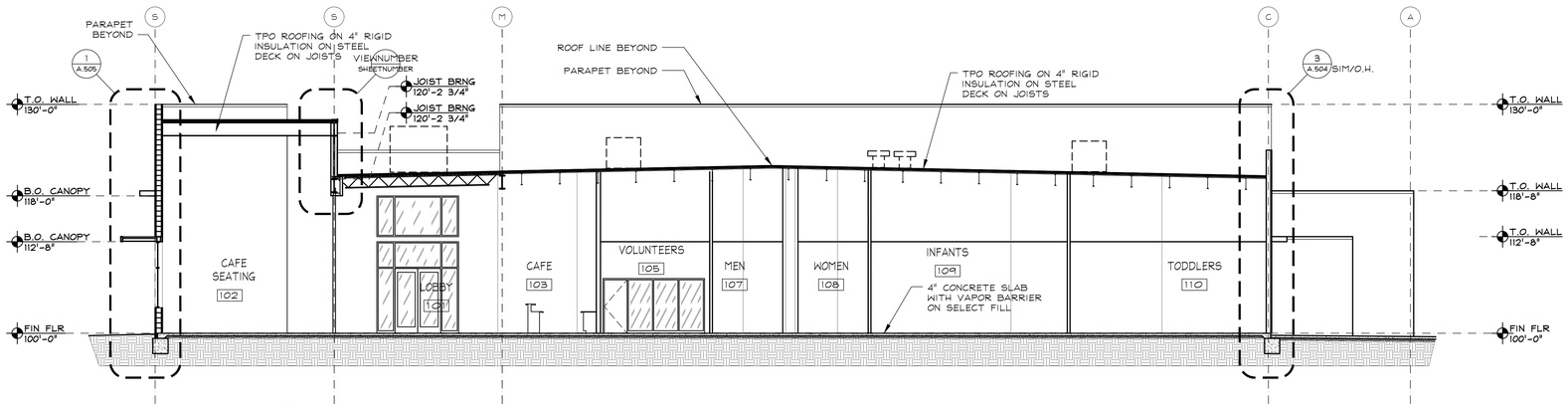
Design Team Manager
Space

Drawing Title
BUILDING SECTIONS

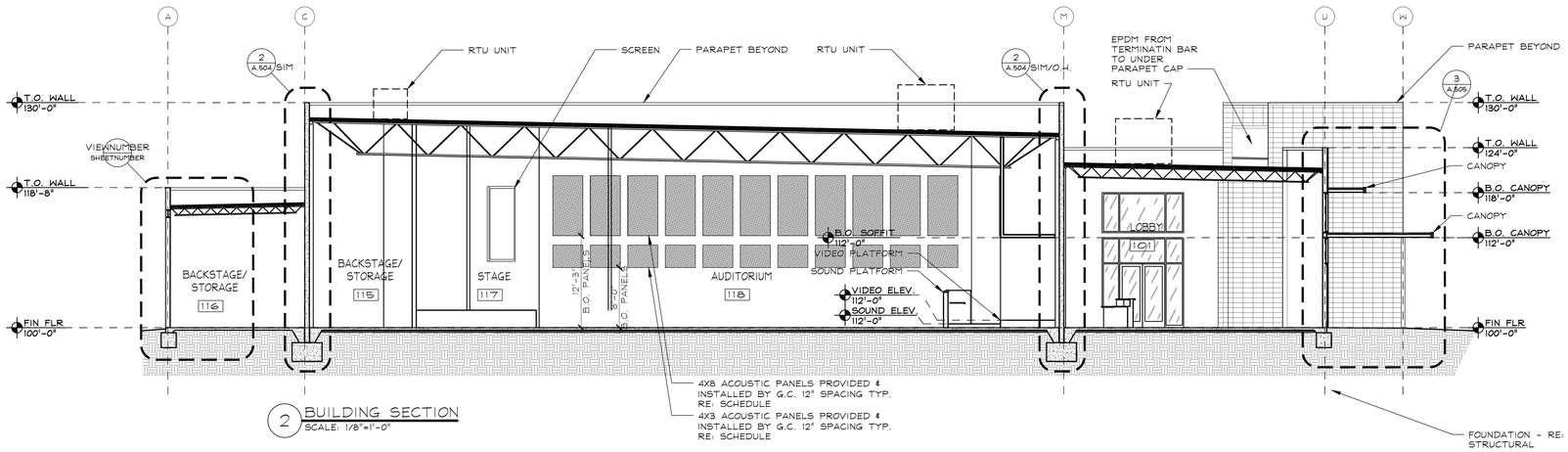
Project Title
TREASURE COAST COMMUNITY CHURCH

Specialized Planning & Architecture for Church Environments, LLC
108 South Broadway
Edmond, Oklahoma 73034 405.840.1111

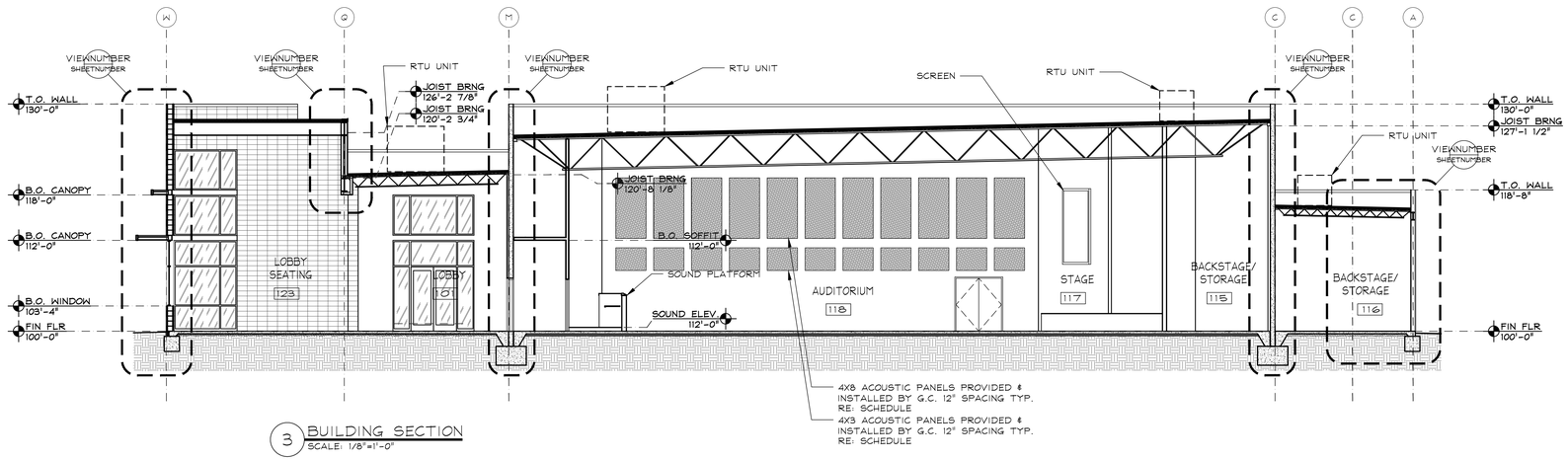
Date: JUNE 30, 2017
Project No.: 16.28.004
Submittal: 65% SUBMITTAL
Checked: FTS
Drawn: ADD
Location: Stuart, Florida
DRAWING NO.: A.501



1 BUILDING SECTION
SCALE: 1/8"=1'-0"



2 BUILDING SECTION
SCALE: 1/8"=1'-0"



3 BUILDING SECTION
SCALE: 1/8"=1'-0"

NOTES:

KEY PLAN:

COPYRIGHT:

The design and concepts established by these documents are the property of the Architect of Record, and may not be replicated by another architect or designer, nor constructed by this or any other owner for any project except that project for which the design was originally intended, without the express written concent of The Small Group, LLC. No part of this document may be reproduced or utilized in any form without the authorization of The Small Group, LLC. All rights reserved.

Revisions:		Date
1		
2		
3		
4		
5		
6		
7		

AVL Consultant:

Civil Engineers:
VELCON GROUP, INC.
ENGINEERS & SURVEYORS
702 SW PORT ST. LUCIE BOULEVARD
PORT ST. LUCIE, FL 34953
PHONE: 772-879-0477
EMAIL: info@velcongroup.com

MEP Engineers:
darr & collins Consulting Engineers
1400 12th, 3535 N. Edmond, Oklahoma 73078
phone (405) 285-8400 fax (405) 285-8444
a Select Solutions company

Structural Engineers:
wallace
Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
410 North Walnut Avenue, Suite 200
Oklahoma City, Oklahoma 73104
405.236.5858, 800.364.5858

Planner:
HJA DESIGN STUDIO
LANDSCAPE ARCHITECTURE
50 E. Ocean Blvd.
Stuart, Florida 34994
Phone: 772-678-7200

Contractor:
J.CONROY CONSTRUCTION
Committed to Excellence Since 1979
4370 SW Cherokee Street
Palm City, Florida 34990
Phone: 772-419-3006

Seal
PRELIMINARY
NOT FOR
CONSTRUCTION

Consulting Architects:
SMALL ARCHITECTS
www.smallarchitects.com

Design Team Manager
Space

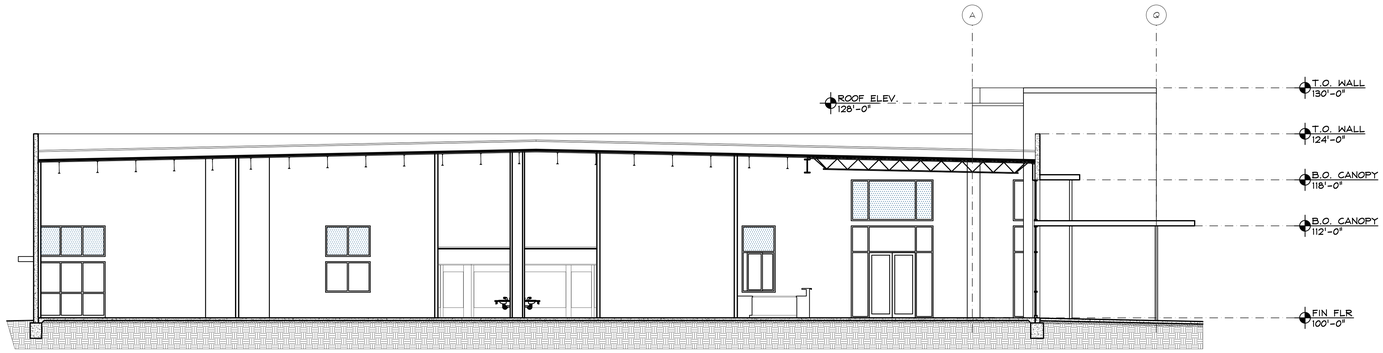
Drawing Title
BUILDING SECTIONS

Specialized Planning & Architecture for Church Environments, LLC
108 South Broadway
Edmond, Oklahoma 73034 405.840.1111

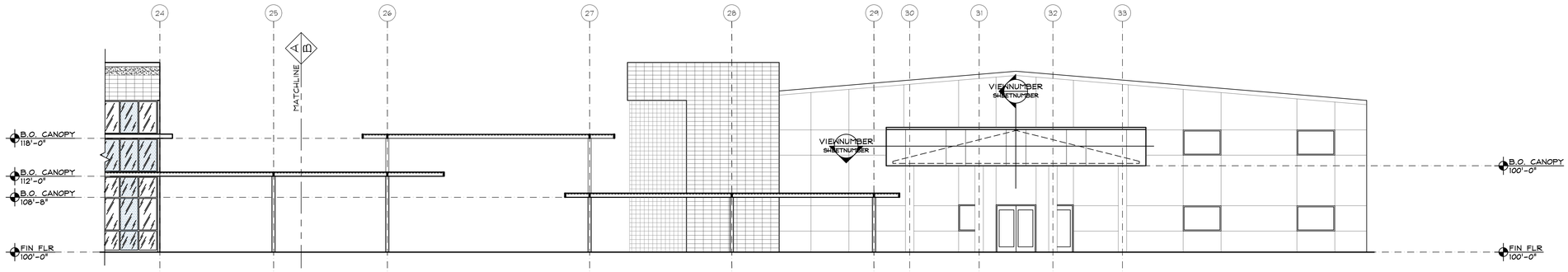
Project Title
TREASURE COAST COMMUNITY CHURCH

Location
Stuart, Florida

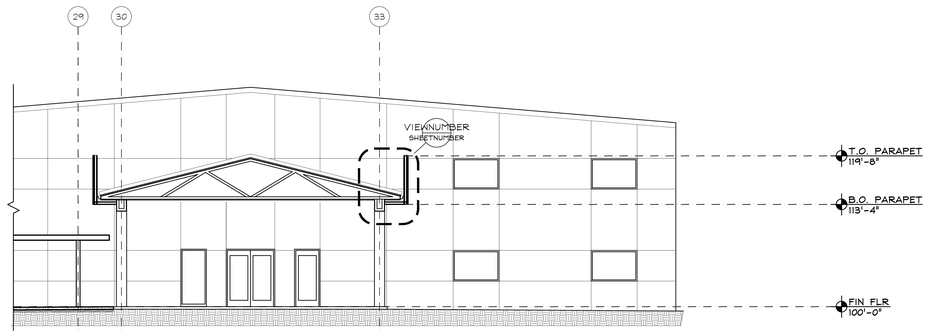
Date	Project No.	Submittal	Checked	Drawn	DRAWING NO.
JUNE 30, 2017	16.28.004	65% SUBMITTAL	FTS	ADD	A.502



1 BUILDING SECTION
SCALE: 1/8"=1'-0"



2 CANOPY SECTION & PARAPET ELEVATION
SCALE: 1/8"=1'-0"



3 EXISTING CANOPY SECTION
SCALE: 1/8"=1'-0"

NOTES:

KEY PLAN:

COPYRIGHT:

The design and concepts established by these documents are the property of the Architect of Record, and may not be replicated by another architect or designer, nor constructed by this or any other owner for any project except that project for which the design was originally intended, without the express written concent of The Small Group, LLC. No part of this document may be reproduced or utilized in any form without the authorization of The Small Group, LLC. All rights reserved.

Revisions: | Date

AVL Consultant:

Civil Engineers:
VELCON GROUP, INC.
ENGINEERS & SURVEYORS
702 SW PORT ST. LUCIE BOULEVARD
PORT ST. LUCIE, FL 34953
PHONE: 772-879-0477
EMAIL: info@velcongroup.com

MEP Engineers:
darr & collins
Consulting Engineers
1400 N.W. 50th St.
Edmond, Oklahoma 73034
phone (405) 285-8455 fax (405) 285-8444
a limited liability company

Structural Engineers:
wallace
Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
410 North Walnut Avenue, Suite 200
Oklahoma City, Oklahoma 73104
405.236.5858, 800.364.5858

Planner:
HJA DESIGN STUDIO
LANDSCAPE ARCHITECTURE
50 E. Ocean Blvd.
Stuart, Florida 34994
Phone: 772-678-7200

Contractor:
J.CONROY CONSTRUCTION
Committed to Excellence Since 1979
4370 SW Cherokee Street
Palm City, Florida 34990
Phone: 772-419-3006

Seal
PRELIMINARY
NOT FOR
CONSTRUCTION

Consulting Architects:
SMALL ARCHITECTS
www.smallarchitects.com

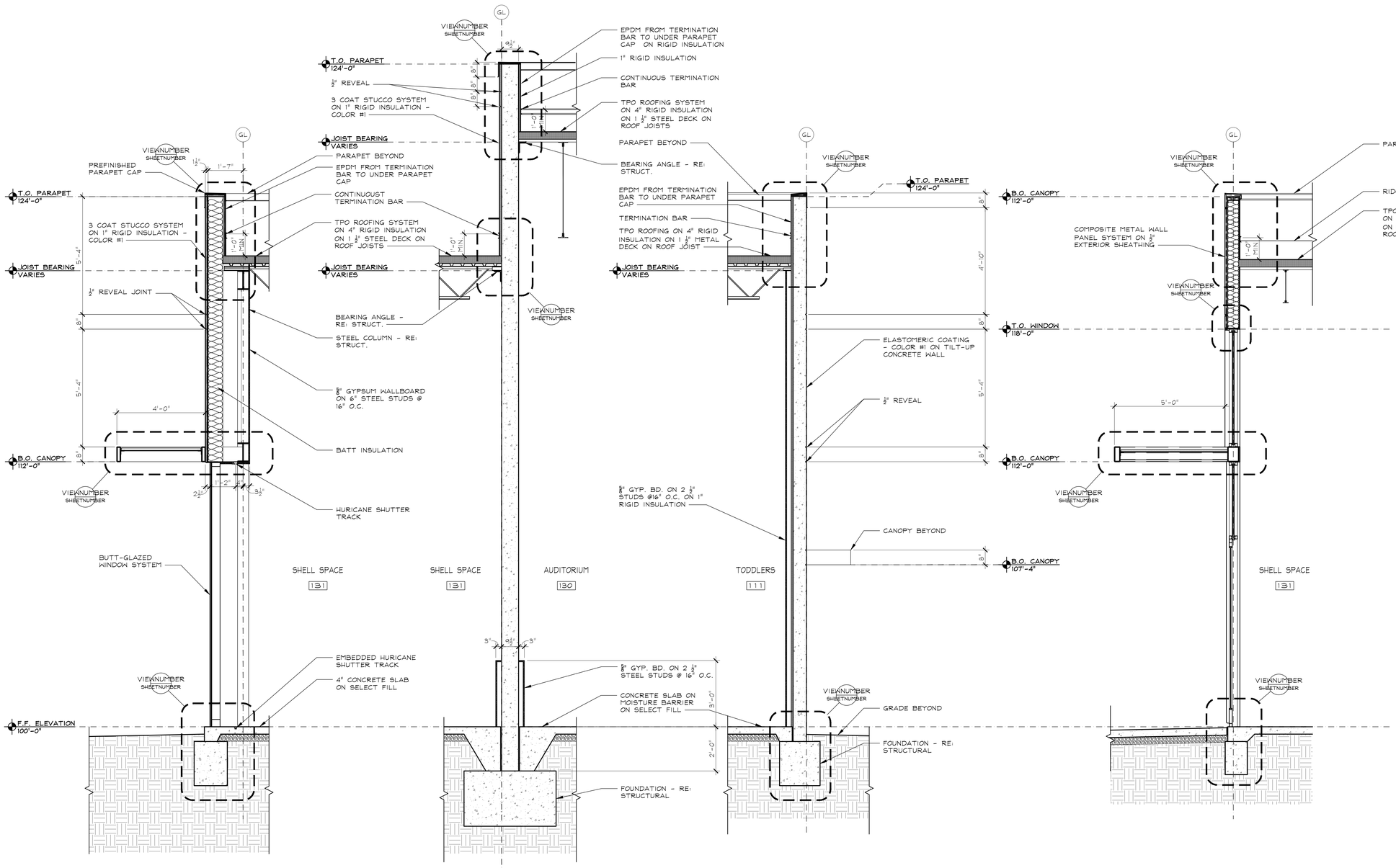
Design Team Manager
Space

Drawing Title
BUILDING SECTIONS
CANOPY SECTIONS AND
PARAPET ELEVATION

Project Title
TREASURE COAST COMMUNITY CHURCH

Specialized Planning & Architecture for Church Environments, LLC
108 South Broadway
Edmond, Oklahoma 73034 405.840.1111

Date: JUNE 21, 2017
Project No.: 16.28.004
Submittal: 65% SUBMITTAL
Checked: FTS
Drawn: ADD
Location: Stuart, Florida
DRAWING NO.: A.503



1 WALL SECTION SCALE: 1/2"=1'-0"

2 WALL SECTION SCALE: 1/2"=1'-0"

3 WALL SECTION SCALE: 1/2"=1'-0"

4 WALL SECTION SCALE: 1/2"=1'-0"

NOTES:

KEY PLAN:

COPYRIGHT:

The design and concepts established by these documents are the property of the Architect of Record, and may not be replicated by another architect or designer, nor constructed by this or any other owner for any project except that project for which the design was originally intended, without the express written concent of The Small Group, LLC. No part of this document may be reproduced or utilized in any form without the authorization of The Small Group, LLC. All rights reserved.

Revisions:	Date
1	
2	
3	
4	
5	
6	
7	

AVL Consultant:

Civil Engineers:
VELCON GROUP, INC.
ENGINEERS & SURVEYORS
702 SW PORT ST. LUCIE BOULEVARD
PORT ST. LUCIE, FL 34953
PHONE: 772-879-0477
EMAIL: info@velcongroup.com

MEP Engineers:
darr & collins
Consulting Engineers
1600 Sixth Street
Stuart, Oklahoma 73105
phone (405) 380-2400 • fax (405) 380-2444
a limited liability company

Structural Engineers:
wallace
Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
410 North Walnut Avenue, Suite 200
Oklahoma City, Oklahoma 73104
405.236.5858, 800.364.5858

Planner:
HJA DESIGN STUDIO
LANDSCAPE ARCHITECTURE
50 E. Ocean Blvd.
Stuart, Florida 34994
Phone: 772-678-7200

Contractor:
J.CONROY CONSTRUCTION
Committed to Excellence Since 1979
4370 SW Cherokee Street
Palm City, Florida 34990
Phone: 772-419-3006

Seal
PRELIMINARY
NOT FOR
CONSTRUCTION

Consulting Architects:
SMALL ARCHITECTS
www.smallarchitects.com

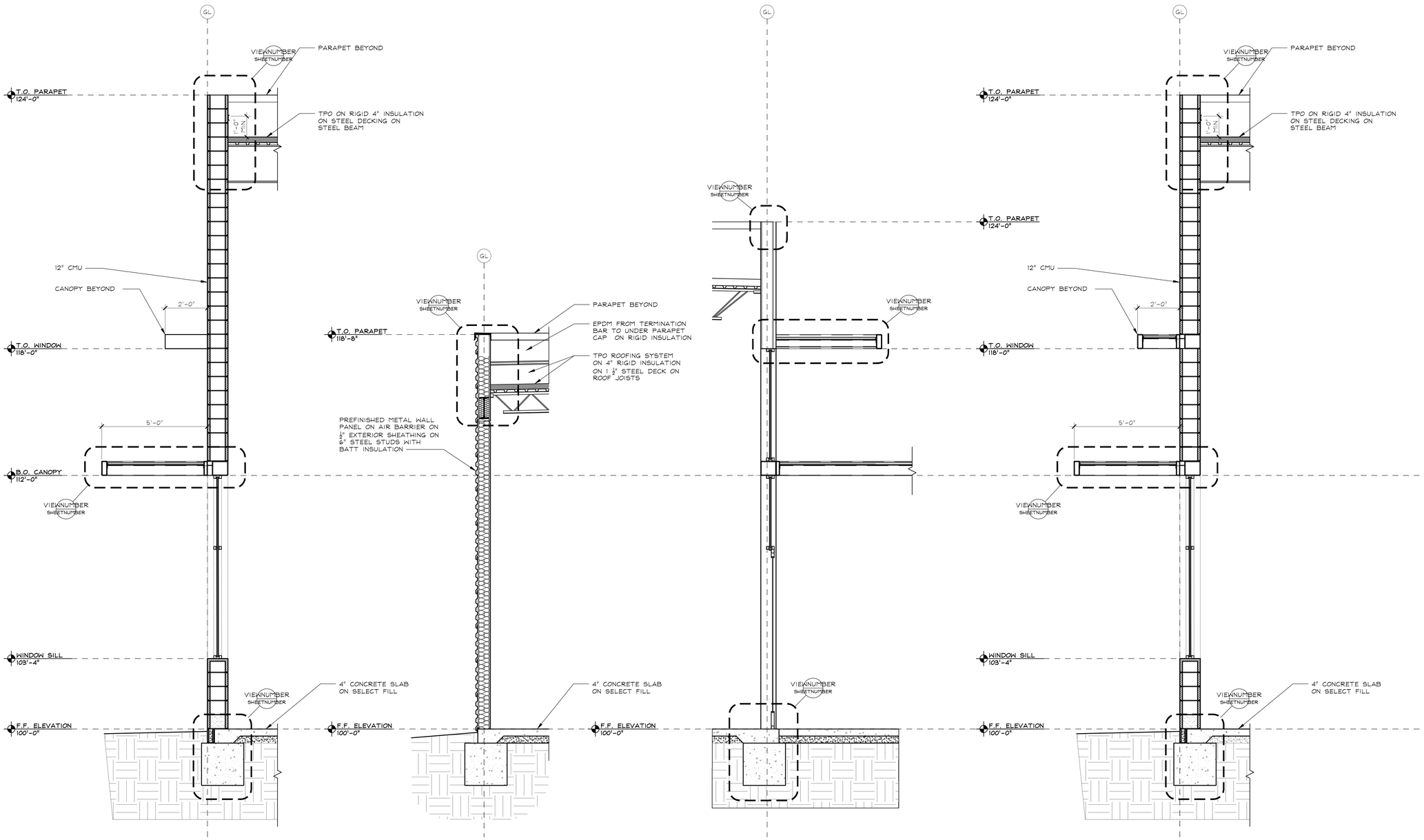
Design Team Manager
Space

Drawing Title
WALL SECTIONS

Specialized Planning & Architecture for Church Environments, LLC
108 South Broadway
Edmond, Oklahoma 73034 405.840.1111

Project Title
TREASURE COAST COMMUNITY CHURCH

Date: JUNE 21, 2017
Project No.: 16.28.004
Submittal: 65% SUBMITTAL
Checked: FTS
Drawn: ADD
Location: Stuart, Florida
DRAWING NO.: A.504



1 WALL SECTION
SCALE: 1/2"=1'-0"

2 WALL SECTION
SCALE: 1/2"=1'-0"

3 WALL SECTION
SCALE: 1/2"=1'-0"

4 WALL SECTION
SCALE: 1/2"=1'-0"

NOTES:

KEY PLAN:

COPYRIGHT:

The design and concepts established by these documents are the property of the Architect of Record, and may not be replicated by another architect or designer, nor constructed by this or any other owner for any project except that project for which the design was originally intended, without the express written concent of The Small Group, LLC. No part of this document may be reproduced or utilized in any form without the authorization of The Small Group, LLC. All rights reserved.

Revisions:	Date
1	
2	
3	
4	
5	
6	
7	

AVL Consultant:

Civil Engineers:
VELCON GROUP, INC.
ENGINEERS & SURVEYORS
702 SW PORT ST. LUCIE BOULEVARD
PORT ST. LUCIE, FL 34953
PHONE: 772-879-0477
EMAIL: info@velcongroup.com

MEP Engineers:
darr & collins
Consulting Engineers
Edmond, Oklahoma 73034
phone (405) 285-8455 fax (405) 285-8544
a Dallas facility company

Structural Engineers:
wallace
Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
410 North Walnut Avenue, Suite 200
Oklahoma City, Oklahoma 73104
405.236.5858, 800.364.5858

Planner:
HJA DESIGN STUDIO
LANDSCAPE ARCHITECTURE
50 E. Ocean Blvd.
Stuart, Florida 34994
Phone: 772-678-7200

Contractor:
J.CONROY CONSTRUCTION
Committed to Excellence Since 1979
4370 SW Cherokee Street
Palm City, Florida 34990
Phone: 772-419-3006

Seal
PRELIMINARY
NOT FOR
CONSTRUCTION

Consulting Architects:
SMALL ARCHITECTS
www.smallarchitects.com

Design Team Manager
Space

Drawing Title
WALL SECTIONS

Specialized Planning & Architecture for Church Environments, LLC
108 South Broadway
Edmond, Oklahoma 73034 405.840.1111

Project Title
TREASURE COAST COMMUNITY CHURCH

Date: JUNE 30, 2017
Project No.: 16.28.004
Submittal: 65% SUBMITTAL
Checked: FTS
Drawn: ADD
Location: Stuart, Florida
DRAWING NO.: A.505

GENERAL NOTES

1.0 GENERAL

1.1 STEEL FRAMING AND CMU WALLS ARE NON-SELF SUPPORTING AND REQUIRE INTERACTION WITH OTHER ELEMENTS NOT CLASSIFIED AS STRUCTURAL STEEL TO PROVIDE THE REQUIRED STABILITY AND RESISTANCE TO LATERAL AND GRAVITY FORCES. THE STEEL FRAMING AND ALL STUD/CMU WALLS SHALL BE TEMPORARILY BRACED UNTIL ALL STEEL BRACING, FLOOR AND ROOF DECKS, AND STUD/CMU WALLS HAVE BEEN INSTALLED AND ALL CONNECTIONS BETWEEN THESE ELEMENTS HAVE BEEN MADE. FOUNDATION WALLS SHALL HAVE TEMPORARY SHORING BEFORE BACKFILL IS PLACED AGAINST THEM. TEMPORARY BRACING SHALL NOT BE REMOVED UNTIL STRUCTURE IS PERMANENTLY BRACED.

1.2 THE SIZE AND LOCATION OF PENETRATIONS THROUGH THE STRUCTURE FOR MECHANICAL, ELECTRICAL AND PLUMBING WORK SHALL BE COORDINATED BY THE CONTRACTOR(S). PENETRATIONS SHALL BE SUBJECT TO APPROVAL BY THE OWNER/ENGINEER. PENETRATIONS GREATER THAN 3" IN DIAMETER AND GROUPED PENETRATIONS SHALL NOT BE ALLOWED THROUGH FOOTINGS AND SHALL BE 6" BELOW BOTTOM OF FOUNDATIONS, TYP. RE: GENERAL NOTE 2.5

1.3 DURING WELDING OR ANY OTHER CONSTRUCTION ACTIVITY THAT GENERATES SPARKS OR INTENSE HEAT, THE CONTRACTOR SHALL PROVIDE ADEQUATE FIRE PROTECTION TO THE STRUCTURE AND CONTENTS. AS A MIN.:
- -REMOVE COMBUSTIBLE MATERIALS FROM AREAS OF WELDING AND SPARKS.
- -PROVIDE FIRE PROOF BLANKETS AND SHIELDS TO CONTAIN SPARKS WHERE COMBUSTIBLE MATERIALS CANNOT BE REMOVED.
- -PROVIDE A FIRE SAFETY OBSERVER WITH A FIRE EXTINGUISHER ON BOTH THE ROOF AND BELOW THE ROOF DURING WELDING NEAR THE ROOF STRUCTURE.

2.0 FOUNDATION

2.1 FOOTING DESIGNS ARE BASED ON A MAXIMUM NET SOIL BEARING PRESSURE OF 2,500 PSF FOR COLUMN AND FOR CONTINUOUS SPREAD FOOTINGS, AS NOTED IN THE GEOTECHNICAL REPORT 17-1515 BY FLORIDA ENGINEERING & TESTING, INC., DATED MAY 9, 2017.

2.2 CONTRACTOR SHALL READ SOILS REPORT BY FLORIDA ENGINEERS & TESTING, INC. AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL SITE AND SUBGRADE INFORMATION GIVEN THEREIN. BUILDING PAD AND SITEWORK SHALL INCLUDE BUT SHALL NOT BE LIMITED TO THAT WHICH IS PRESENTED IN THE BUILDING PAD PREPARATION/SUBGRADE DESCRIPTION.

2.3 EXTERIOR FOOTINGS SHALL BEAR AT OR BELOW MINIMUM BEARING DEPTH. MINIMUM BEARING DEPTH IS 12" BELOW ADJACENT FINISHED GRADE. STANDARD PROCEDURES OF FROST PROTECTION FOR FOUNDATIONS AND EXCAVATIONS SHALL BE EMPLOYED FOR WINTER CONSTRUCTION. BACKFILLING OF EXCAVATIONS SHALL BE DONE AS SOON AS POSSIBLE TO PROTECT FOUNDATIONS FROM FROST. THICKENED SLAB EDGES FOR STOOPS, CANOPIES, ETC, SHALL BE 12" (U.N.O.).

2.4 ALL WALLS SHALL HAVE ADEQUATE TEMPORARY BRACING BEFORE BACKFILL IS PLACED AGAINST THEM. TEMPORARY BRACING SHALL NOT BE REMOVED UNTIL WALL IS PERMANENTLY BRACED BY SLAB AND ROOF.

2.5 FOUNDATION PENETRATIONS SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT/ENGINEER. PENETRATIONS SHALL BE THROUGH FOUNDATION STEMWALL OR 6" CLEAR BELOW FOOTING. STEP FOOTING AS REQD. PER 8/S.201.

2.6 ALL SLABS AND FOUNDATIONS SHALL BEAR ON SUITABLE MATERIAL AS DETERMINED BY THE GEOTECHNICAL ENGINEER'S REPRESENTATIVE. EXCAVATION, COMPACTION, AND OTHER CONSTRUCTION PROCEDURES DIRECTLY RELATED TO THE SUPPORT OF SLABS AND FOUNDATIONS SHALL BE INSPECTED AND APPROVED BY THE GEOTECHINICAL REPRESENTATIVE.

3.0 REINFORCED CONCRETE

3.1 CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (F'c) AT 28 DAYS OF:
- A. STRUCTURAL CAST-IN-PLACE CONCRETE - 3,000 PSI.
- B. CONCRETE SLABS-ON-GRADE - 3,500 PSI.
- C. TILT WALL PANELS - 4,000 PSI.

3.2 A. REINFORCING STEEL SHALL HAVE A MINIMUM YIELD STRENGTH (Fy) OF 60 KSI.
B. REINFORCING BARS SHALL BE SPLICED PER LAP LENGTH SCHEDULE. (RE:3/S.001).
C. REINFORCING STEEL SHALL MEET ASTM SPECIFICATION A-615, LATEST REVISION, DEFORMED BAR, GRADE 60 OR ASTM A-706, DEFORMED BAR, GRADE 60.

3.3 REFER TO ACI 318 LATEST EDITION FOR CONCRETE COVER, ACI 315 LATEST EDITION FOR DETAILING PRACTICES AND FABRICATION AND ACI 301 LATEST EDITION FOR STANDARD PRACTICE FOR MIXING AND PLACING REINFORCED CONCRETE.

3.4 INTERIOR CONCRETE SLABS SHALL BE REINFORCED WITH #3 BARS AT 24" O.C. EACH WAY PLACED 1 1/2" FROM THE TOP OF THE SLAB. BARS SHALL BE LAPPED PER THE LAP SCHEDULE ON DETAIL 3/S.001.

3.5 CONST JT. INDICATES DOWELED CONSTRUCTION JOINT IN SLAB-ON-GRADE.

3.6 CONTROL/CONSTRUCTION JOINTS SHALL BE LOCATED AS SHOWN ON PLANS OR AS DIRECTED BY THE OWNER OR ENGINEER.

3.7 SAW CUT CONTROL JOINTS SHALL BE LOCATED AS SHOWN ON PLANS OR AS DIRECTED BY THE STRUCTURAL ENGINEER AND SHALL BE MADE WITHIN 12 HOURS OF START OF CONCRETE PLACEMENT.

4.0 STRUCTURAL STEEL

4.1 STRUCTURAL STEEL SHALL MEET THE FOLLOWING MINIMUM YIELD STRENGTHS AND SPECIFICATIONS:

	YIELD	ASTM SPEC.
A. W, M, S, HP OR STRUCTURAL TEE SHAPES:	50 KSI	A572 OR A992
B. OTHER SHAPES, BARS AND PLATES:	36 KSI	A36
C. STRUCTURAL STEEL TUBING:	46 KSI	A500, GRADE B OR C
D. STRUCTURAL STEEL PIPE:	35 KSI	A53, GRADE B OR A500, GRADE B
E. ANCHOR BOLTS:	36 KSI	A36
F. HEADED STUD ANCHORS:	50 KSI	A108, GRADES 1010-1020 INCLUSIVE

4.2 BOLTS FOR STEEL BEAM AND COLUMN CONNECTIONS SHALL BE 3/4" DIAMETER ASTM A325 HIGH-STRENGTH BOLTS ARE BEARING TYPE, U.N.O. BOLTS USED FOR ERECTION ONLY ARE TO BE SNUG TIGHT, U.N.O.

4.3 WELDING SHALL MEET ANSI/AWS D1.1 STRUCTURAL WELDING CODE, LATEST REVISION. ELECTRODES SHALL BE 70KSI LOW HYDROGEN SERIES (I.E. E7018).

4.4 PROVIDE L5X3X1/4 (L.L.V.) FIELD FABRICATED FRAME BETWEEN SUPPORTS AT OPENINGS IN ROOF GREATER THAN 10"X10", U.N.O., RE: 1/S.401

4.5 PROVIDE DOUBLE NUTS AND DOUBLE WASHERS FOR STEEL COLUMN ANCHOR BOLTS TO ALLOW FOR ADJUSTMENT IN BASE PLATE ELEVATION. PROVIDE 1 1/2 INCH NON-SHRINK GROUT UNDER PLATE AFTER ERECTION. NON-SHRINK GROUT WHERE INDICATED ON PLANS SHALL BE NON-METALLIC WITH A MINIMUM COMPRESSIVE STRENGTH OF 5,000 PSI AT 28 DAYS. PROVIDE 2 1/2" NON-SHRINK GROUT FOR ANCHOR BOLTS 1 1/4" DIA. AND GREATER.

4.6 THE FABRICATOR SHALL BE RESPONSIBLE FOR THE DESIGN AND ADEQUACY OF CONNECTIONS THAT ARE NOT DESIGNED OR FULLY DETAILED ON THE CONTRACT DOCUMENTS.

5.0 LIGHT GAGE STEEL FRAMING

5.1 ANY METAL STUD WALLS SHALL BE SPACED AT A MAXIMUM OF 16" ON CENTER (U.N.O.) AND SHALL BE CONSTRUCTED OF STEEL "C" STUDS OF THE SIZE SHOWN IN THE SECTIONS. MINIMUM WIDTH OF THE STUDS SHALL BE PER DETAIL THE LIP OF THE "C" PORTION SHALL BE A MINIMUM OF 1/2". YIELD STRENGTH SHALL BE AS FOLLOWS: 33 KSI FOR 18 GAGE AND LIGHTER, 50KSI FOR 16 GAGE AND HEAVIER. MINIMUM GROSS SECTION PROPERTIES SHALL BE BASED ON UNIMAST CSJ SECTIONS:

5.2 FOR 18 GAGE AND LIGHTER FRAMING, CONNECTIONS SHALL BE MADE USING SELF-DRILLING, SELF-TAPPING SCREWS FOR 16 GAGE AND HEAVIER FRAMING, CONNECTIONS SHALL BE MADE BY BOLTING, OR BY SELF-DRILLING, SELF-TAPPING SCREWS, OR WELDING. SCREWS SHALL BE BY BUILDEX, INC. OR APPROVED EQUAL. WELDS SHALL BE PERFORMED BY OPERATORS QUALIFIED IN ACCORDANCE WITH SECTION 6.0 OF AWS D1.3-31, SHEET METAL.

5.3 TRACKS SHALL BE ANCHORED AS FOLLOWS:
TO STEEL - HILTI DX-35, 0.157" DIA. X-U FASTENER AT 12" O.C. STAGGERED (OR APPROVED EQUAL), UNLESS NOTED OTHERWISE.
TO CONCRETE - HILTI DX-35, 0.157" DIA. x 1 1/4" EMBEDMENT X-U FASTENER AT 12" O.C. STAGGERED (OR APPROVED EQUAL), UNLESS NOTED OTHERWISE. MIN. DISTANCE TO EDGE OF CONCRETE = 2 1/2".

5.4 JOIST AND STUDWALL BRIDGING SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. JOIST BRIDGING SHALL BE PLACED AT 8'-0" O.C. AND STUDWALL BRIDGING SHALL BE PLACED AT 4'-0" O.C. OR AS PER MANUFACTURER'S RECOMMENDATION IF LESS THAN 4'-0" O.C. APPLIED FINISH MATERIALS SHALL NOT BE CONSIDERED BRIDGING OR FLANGE BRACING.

5.5 ALL AXIALLY LOADED STUDS SHALL HAVE FULL FLANGE BEARING AGAINST UPPER AND LOWER TRACK WEB PRIOR TO ATTACHMENT TO TRACK. SPLICES IN AXIALLY LOADED STUDS ARE NOT PERMITTED.

5.6 ALL TRACKS SHALL BE 16 GAGE FOR WALL STUDS OF 16 GAGE OR LIGHTER. FOR 14 GAGE OR HEAVIER, TRACKS SHALL MATCH GAGE OF WALL STUDS.

5.7 DO NOT WELD 20 GAGE AND LIGHTER FRAMING.

5.8 IF TOP OF WALL IS LATERALLY UNBRACED, THEN BRACING SHALL BE PROVIDED. TOP OF WALL BRACING SHALL MATCH DEPTH AND GAGE OF WALL STUDS AND SHALL BE LOCATED FROM TOP OF WALL TO EXISTING ROOF STRUCTURE ABOVE AT 48" O.C. (MAX.) U.N.O. ON DRAWINGS.

5.9 JOISTS SHALL BE PLACED DIRECTLY OVER BEARING STUDS, PROVIDE FULL DEPTH BLOCKING BETWEEN JOISTS AT SUPPORTS WHERE JOISTS ARE NOT OTHERWISE RESTRAINED FROM ROTATION.

6.0 STEEL DECK

6.1 ROOF DECK SHALL BE PAINTED TYPE "B" (WIDE RIB) OR PLB THREE SPAN MINIMUM AS SHOWN ON ROOF FRAMING PLAN. THE STEEL ROOF DECK IS REQUIRED TO ACT AS A DIAPHRAGM. REFER TO THE ROOF DIAPHRAGM CONNECTION DIAGRAM SHEET S.401 FOR ATTACHMENT. PROVIDE MINIMUM 36" DECK SHEET WIDTH.

6.2 CANOPY DECK CONNECTION TO STRUCTURAL STEEL TO BE #12-24x1 1/2" HWH TRAXX/5 SELF-DRILLING SCREWS WITH NEOPRENE WASHERS SPACED AT 8" OC, OR AT CONTRACTOR'S OPTION, 3/4" PUDDLE WELDS AT 8" O.C. MAY BE USED INSTEAD OF SCREWS. WELDED CONNECTIONS AND WELD BURNS SHALL NOT BE VISIBLE. CANOPY DECK SIDELAP CONNECTIONS TO BE #10 - SELF-DRILLING SCREWS AT 24" OC.

6.3 PROVIDE (2) LAYERS OF DECK WHERE SINGLE SPAN CONDITION EXISTS. MAKE DIAPHRAGM CONNECTIONS AFTER PLACEMENT OF BOTH LAYERS OF ROOF DECK.

6.4 DO NOT HANG OR SUPPORT CONCENTRATED LOADS FROM METAL ROOF DECK.

6.5 RE: DETAIL 1/S.401 FOR DECK SUPPORT FRAMING REQUIRED AT ROOF OPENINGS LARGER THAN 10"x10."

6.6 WHEN ROOF DECK IS WELDED, WELDING RODS SHALL BE E6022.

7.0 STEEL JOISTS

7.1 HANGERS SUPPORTING MECHANICAL EQUIPMENT FROM JOIST CHORDS SHALL BE LOCATED WITHIN 3 INCHES OF JOIST PANEL POINTS OR JOIST SHALL BE REINFORCED PER JOIST REINFORCING DETAIL (2/S.401). HANGER LOADS GREATER THAN 150 POUNDS SHALL NOT BE ATTACHED TO THE EDGE OF CHORD ANGLES AND SHALL BE CENTERED ON JOIST CHORD.

7.2 STEEL JOISTS SHALL BE AS INDICATED ON THE PLANS AND SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS OF THE STEEL JOIST INSTITUTE.

7.3 ALL JOIST AND JOIST GIRDERS SHALL RESIST THE NET UPLIFT PRESSURES AS INDICATED ON THE "DESIGN UPLIFT PRESSURE ON ROOF (NET)" SECTION OF THE DESIGN LOADS. THIS PRESSURE SHALL ACT ALONE. AN ALLOWABLE STRESS INCREASE IS NOT PERMITTED.

7.4 FOR ALL SPECIAL JOISTS OR JOIST GIRDERS THAT REQUIRE SPECIFIC ORIENTATION, PROVIDE TAG AT ONE END AND DEFINE LOCATION OF TAGGED END ON ERECTION DRAWINGS.

7.5 ERECTION STABILITY: CONTRACTOR SHALL READ THE LATEST VERSION OF THE "STANDARD SPECIFICATIONS FOR OPEN WEB STEEL JOISTS, K-SERIES AND LH-SERIES" AND SHALL ADHERE TO THE REQUIREMENTS OF SECTION 7, "HANDLING AND ERECTION" DURING CONSTRUCTION.

7.6 JOIST BRIDGING SHALL BE PROVIDED IN ACCORDANCE WITH THE OCCUPATIONAL SAFETY AND HAZARD ADMINISTRATION (OSHA) AND THE SPECIFICATIONS OF THE STEEL JOIST INSTITUTE (SJI). BRIDGING REQUIREMENTS SHALL INCLUDE BUT SHALL NOT BE LIMITED TO THE FOLLOWING:
- A. BRIDGING SIZE SHALL BE PER SJI UNLESS NOTED OTHERWISE ON THE CONSTRUCTION DOCUMENTS.
- B. BOTTOM CHORD BRIDGING SHALL BE PROVIDED PER SJI REQUIREMENTS FOR THE UPLIFT FORCES INDICATED ABOVE AS A MINIMUM. A SINGLE LINE SHALL BE PROVIDED NEAR THE FIRST BOTTOM CHORD PANEL POINT AT EACH END OF THE JOIST.
- C. JOIST SPANS FORTY FEET AND LONGER SHALL HAVE A ROW OF BOLTED BRIDGING IN PLACE BEFORE SLACKENING OF HOISTING LINES PER OSHA. JOIST AND WALL BRIDGING SHALL BE INSTALLED AND SPACED PER MANUFACTURER'S WRITTEN RECOMMENDATIONS.
- D. RE: SHEET NOTE #5 ON S.301 FOR DISCONTINUOUS BRIDGING.

7.7 PROVIDE 5" JOIST SEATS AT ALL JOISTS, U.N.O. PROVIDE 7 1/2" SEATS AT JOIST GIRDERS.

7.8 JOIST GIRDER LOADS DO NOT INCLUDE SELF WT.

7.9 LIVE LOAD DEFLECTION OF JOISTS SHALL BE LIMITED TO L/240, EXCEPT AT SIDEWALLS WHERE DEFLECTION SHALL BE LIMITED TO THE LESSER OF L/360 OR 1".

7.10 JOIST AND JOIST GIRDERS PARALLEL TO STUDWALLS SHALL BE LIMITED TO 9" TOTAL WIDTH.

7.11 JOIST GIRDER MANUFACTURER SHALL CONSIDER THE EFFECTS OF THE TWISTING FORCES ON A JOIST GIRDER INDUCED WHEN UNEQUAL LENGTH JOISTS BEAR ON THE OPPOSITE SIDES OF THE SAME JOIST GIRDER. ANY ADDITIONAL BOTTOM CHORD BRACING REQUIRED TO RESIST THE TORSIONAL FORCES MUST BE DESIGNED AND SPECIFIED ON THE JOIST SUBMITTAL BY THE JOIST MANUFACTURER.

7.12 ALL JOIST AND JOIST GIRDER LOADS SHOWN ON THE CONTRACT DRAWINGS ARE DESIGN WORKING LOADS FOR WORKING STRESS DESIGN WITH THE APPROPRIATE BUILDING CODE LOAD FACTOR APPLIED. NO INCREASE IN STRESS OR LOAD REDUCTION IS ALLOWED FOR WIND OR SEISMIC LOAD COMBINATIONS.

7.13 DESIGN JOIST AND JOIST GIRDERS FOR INTERNAL ROOF DRAIN LINE LOCATIONS, IF REQUIRED, AT 50 PLF FOR 8" DIA AND SMALLER, AT 75 PLF FOR 10" DIA, AT 102 PLF FOR 12" DIA APPLIED AT THE TOP CHORD. RE: ARCH AND MECH FOR DRAIN AND DOWN SPOUT SIZES AND LOCATION. DRAINLINE SHALL BE SUPPORTED FROM THE TOP CHORD OF THE JOISTS AND JOIST GIRDERS THAT HAVE BEEN DESIGNED FOR THE ADDITIONAL LOAD.

7.14 BRIDGING AND WEB MEMBERS ARE NOT DESIGNED FOR ANY LOADS OTHER THAN AXIAL. NO ATTACHMENT OF ANY TYPE SHALL BE MADE TO BRIDGING OR WEB MEMBERS ALL ADDITONAL LOAD ATTACHMENTS TO BE MADE AT JOIST CHORDS, RE: 2/S.401

8.0 BUILDING PAD PREPARATION/SUBGRADE

8.1 AFTER PERFORMING ANY REQUIRED CUTS, STRIPPING, PROOFROLLING, AND INSPECTIONS DEFINED IN THE GEOTECHNICAL REPORT. THE GEOTECHNICAL ENGINEER SHALL APPROVE THE SOIL FOR USE IN THE SUBGRADE. ANY SOFT OR LOOSE AREAS OBSERVED SHOULD BE REMOVED AND REPLACED WITH MOISTURE-CONTROLLED GEOTECHNICAL ENGINEER APPROVED SOIL FILL MATERIAL.

8.2 PLACE A 4" LAYER OF OPEN GRADED GRAVEL (REFER TO GEOTECH REPORT) TO SUPPORT THE FLOOR SLAB, RE: GEOTECH FOR COMPACTION REQUIREMENTS.

8.3 THE GROUND SURFACE SHOULD BE SLOPED AWAY FROM THE BUILDING ON ALL SIDES TO PREVENT WATER FROM COLLECTING NEAR THE BUILDING. WATER SHOULD NOT BE ALLOWED TO POND NEAR THE BUILDING DURING OR AFTER CONSTRUCTION. IN ADDITION, THE MOISTURE CONTENT OF THE SOIL SHOULD BE MAINTAINED NEAR OPTIMUM UNTIL THE FLOOR SLAB IS CONSTRUCTED. THEREFORE, THE BUILDING PAD SHOULD ALWAYS CONTAIN ENOUGH MOISTURE SO THAT SURFACE CRACKS DO NOT DEVELOP. THE MOISTURE CONTENT OF THE BUILDING PAD SHALL BE EVALUATED JUST BEFORE CONCRETE FOR THE FLOOR IS PLACED.

8.4 A VAPOR RETARDER MEMBRANE (10-MIL POLYETHYLENE) SHOULD BE PLACED IMMEDIATELY BELOW THE FLOOR SLAB TO HELP REDUCE MOISTURE EMISSIONS THROUGH THE SLAB.

8.5 NOTIFY IMMEDIATELY THE OWNER'S REPRESENTATIVE AND GEOTECHNICAL ENGINEER IF UNUSUAL SOIL CONDITIONS ARE FOUND.

8.6 PROTECT EXISTING STRUCTURES, UTILITIES, PROPERTY, ETC. RESTORE ALL ITEMS DAMAGED, AS REQUIRED BY OWNER'S REPRESENTATIVE, AT NO COST TO OWNER OR WITHOUT EXTENSION OF CONTRACT TIME.

8.7 DO NOT ALLOW STORED EXCAVATION MATERIAL TO DISRUPT PROPER DRAINAGE OF AREA.

8.8 DISPOSE OF EXCAVATED MATERIAL AS REQUIRED BY OWNER'S REPRESENTATIVE.

9.0 CONCRETE TILT WALL PANEL

9.1 THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY SHORING AND BRACING. THE WALL PANELS SHALL BE SHORED SECURELY DURING INSTALLATION UNTIL THEY CAN BE PERMANENTLY BE ANCHORED TO THE BUILDING AS DETAILED. THE ENGINEER OF RECORD FOR THE CONCRETE WALL PANEL DESIGN SHALL REVIEW THE BRACING LOCATIONS AND PROCEDURE WITH THE GENERAL CONTRACTOR TO ENSURE PROPER INSTALLATION. ROOF DECK SHALL BE INSTALLED WITH ALL CONNECTIONS IN PLACED PRIOR TO REMOVAL OF TEMPORARY SHORING FOR WALL PANELS.

9.2 DAMAGED PANELS SHALL BE REPORTED IMMEDIATELY AND SHALL NOT BE INSTALLED WITHOUT APPROVAL OF THE OWNER'S REPRESENTATIVE.

9.3 REFER TO ARCHITECTURAL DRAWINGS FOR ALL CHAMFER/ REVEAL LOCATIONS, SIZES AND DEPTHS. THE WALL PANEL MAXIMUM REVEAL DEPTH SHALL BE 3/4".

9.4 CONCRETE WALL PANELS AND CONTINUOUS WALL FOUNDATIONS SHALL ACHIEVE 75% OF THE MINIMUM COMPRESSIVE STRENGTH PRIOR TO ERECTION OF PANELS.

9.5 LIFTING INSERTS AND REINFORCING IN THE PANEL AS REQUIRED FOR ERECTION SHALL BE DESIGNED AND SELECTED BY THE CONTRACTOR. PANEL LIFTING DRAWINGS SHALL BE SUBMITTED AND SEALED BY A REGISTERED ENGINEER IN THE STATE OF FLORIDA.

9.6 ALL INSERTS, BRACES, STRONGBACKS AND OTHER REQUIRED LIFTING ACCESSORIES SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR, AND SHALL BE LOCATED IN ACCORDANCE WITH ACCEPTED PUBLISHED LITERATURE (RE: RICHMOND BULLETIN NO. 8 "PRODUCTS FOR PRECAST/PRESTRESSED CONCRETE CONSTRUCTION"). LOCATIONS OF AND SIZES OF INSERTS, BRACES, OR STRONGBACKS SHALL BE DESIGNED TO PREVENT CRACKING DUE TO ERECTION STRESSES, INCLUDING A 50% FORCE INCREASE FOR IMPACT. SHOULD PROPER INSERTS OR BRACES NOT BE PROVIDED TO MEET THE ABOVE CRITERIA, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SPECIAL REINFORCING AS REQUIRED TO PREVENT FLEXURAL CRACKS FROM OCCURRING IN THE PANELS DURING LIFTING AND HANDLING OPERATIONS.

9.7 THE BUILDING SLAB-ON-GRADE IS NOT DESIGNED TO SUPPORT CRANE LOADS FOR ERECTION OF WALL PANELS. CONTRACTOR SHALL BE RESPONSIBLE FOR SUFFICIENT CONSTRUCTION METHODS IN ORDER TO AVOID ANY DAMAGE TO SLAB-ON-GRADE DUE TO POURING OR LIFTING ON PANELS. DAMAGED SLAB ON GRADE SECTIONS SHALL BE REPAIRED OR REPLACED AT CONTRACTOR'S EXPENSE.

9.8 SAWCUTS, CRACKS, OR JOINTS IN THE CASTING BED OR SLAB SHALL BE FILLED AND LEVELED WITH SEALANT SO AS TO MINIMIZE THE TRANSFER OF THESE LINES TO THE PANEL FACE.

9.9 THE GENERAL CONTRACTOR SHALL VERIFY ALL PANEL DIMENSIONS, PANEL FINISHES, REVEAL LOCATIONS, EMBED/INSERT LOCATIONS, AND FINAL OPENING SIZES AND LOCATIONS FOR TILT UP WALL PANELS PRIOR TO CASTING CONCRETE. IF ANY DISCREPANCIES APPEAR ON THE PLANS, NOTIFY THE OWNER AND ENGINEER OF RECORD IMMEDIATELY. COMMENCEMENT OF POURING PANELS BY THE GENERAL CONTRACTOR IMPLIES REVIEW AND ACCEPTANCE OF CONSTRUCTION DOCUMENTS AND WALL PANEL SHOP DRAWINGS.

9.10 CONTINUOUS, NON-SHRINK, NON-METALLIC, 5,000 PSI GROUT SHALL BE PROVIDED BENEATH ALL TILT UP WALL PANELS FOR PANEL BEARING.

9.11 ALL EMBEDS SHALL BE SET IN FORMS PRIOR TO PLACEMENT OF CONCRETE. DO NOT "FLOAT"IN EMBEDS.

DESIGN PARAMETERS

1. CODE — 2014 FLORIDA BUILDING CODE
2. GRAVITY LOADS

A. DEAD LOADS (MAIN ROOF)	
1. ROOF	MAIN BUILDING
-ROOFING, INSULATION, AND METAL DECK	8.0 PSF
-STEEL JOISTS/GIRDERS	4.5 PSF
-MECH., ELEC., PLUMBING AND SPRINKLERS	3.0 PSF
-MISC.	2.5 PSF
-TOTAL DEAD LOAD	18.0 PSF
B. DEAD LOADS FOR SEISMIC DESIGN	
1. ROOF	12.0 PSF
2. WALLS	15.0 PSF

3. ROOF LIVE LOAD — 20.0 PSF

4. SNOW LOAD

A. GROUND SNOW LOAD (Pg)	0.0 PSF
B. IMPORTANCE FACTOR (Is)	1.1
C. ROOF SNOW LOAD (Pf)	0.0 PSF
D. THERMAL FACTOR (Ct)	1.0 (MAIN BLDG) 1.2 (CANOPIES)

5. WIND LOADS

A. BASIC WIND SPEED (3 SECOND GUST)		173 MPH	
B. BUILDING CATEGORY		III	
C. EXPOSURE CLASSIFICATION		C	
D. DESIGN WIND PRESSURE ON PRIMARY STRUCTURE	HIGH ROOF	LOW ROOF	
(WINDWARD+LEEWARD WALLS)	41.1 PSF	39.3 PSF	
PARAPETS (WINDWARD)	57.4 PSF	54.5 PSF	
PARAPETS (LEEWARD)	-38.3 PSF	-36.3 PSF	
E. DESIGN WIND PRESSURE ON EXTERIOR WALLS	HIGH ROOF	LOW ROOF	
END ZONES	35.6 PSF	36.7 PSF	
INTERIOR ZONES	34.4 PSF	34.4 PSF	
F. DESIGN WIND PRESSURE ON EXTERIOR PARAPETS	HIGH ROOF	LOW ROOF	
END ZONES	74.3 PSF	74.1 PSF	
INTERIOR ZONES	66.7 PSF	65.7 PSF	
G. DESIGN UPLIFT PRESSURE ON ROOF (NET)	HIGH ROOF(575 FT^2)	LOW ROOF	(200 FT^2)
CORNER ZONES	47.0 PSF	66.9 PSF	
EDGE ZONES	47.0 PSF	66.9 PSF	
INTERIOR ZONES	39.7 PSF	56.2 PSF	
H. DESIGN UPLIFT PRESSURE ON ENTRY CANOPY AND ROOF OVERHANGS (GROSS)		ENTRY CANOPY	
CORNER ZONES		102.8 PSF	
EDGE ZONES		62.4 PSF	
INTERIOR ZONES		62.4 PSF	
I. WIDTH OF END ZONE (a)		10.0 FT	(HIGH ROOF)
		8.4 FT	(LOW ROOF)

SEISMIC LOADS

1. MAPPED SPECTRAL RESPONSE ACCELERATION, Ss	5.4%
2. MAPPED SPECTRAL RESPONSE ACCELERATION, S1	2.8%
3. DESIGN SPECTRAL RESPONSE ACCELERATION (SHORT PERIOD), SDS	0.058
4. DESIGN SPECTRAL RESPONSE ACCELERATION (1-SEC. PERIOD), SD1	0.045
5. IMPORTANCE FACTOR, (Ie)	1.0
6. SEISMIC DESIGN CATEGORY	A
7. SITE CLASS	D
8. BASIC STRUCTURAL SYSTEM	BEARING WALL SYSTEM
9. LATERAL FORCE RESISTING SYSTEM	ORDINARY REINFORCED CONCRETE SHEAR WALLS
10. RESPONSE MODIFICATION FACTOR (R)	4
11. OVERSTRENGTH (Ωo)	2
12. ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE
13. DESIGN BASE SHEAR	0.018W (0.013W ASD)

SPECIAL INSPECTIONS

THE BUILDING OWNER SHALL EMPLOY A SPECIAL INSPECTOR TO PROVIDE SPECIAL INSPECTIONS FOR THE FOLLOWING ITEMS PER SECTION 1704 OF THE 2014 FLORIDA STATE BLDG CODE (BASED ON 2012 IBC). THE APPROVED INDEPENDENT TESTING AGENCY'S INDIVIDUAL SPECIAL INSPECTOR SHALL DEMONSTRATE COMPETENCE FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION. THE SPECIAL INSPECTOR SHALL BRING NON-CONFORMING ITEMS TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR AND NOTE ALL SUCH ITEMS IN THE REPORTS. ANY UNRESOLVED ITEM ABOUT TO BE COVERED BY THE WORK SHALL BE BROUGHT TO THE OWNER'S CONSTRUCTION MANAGER'S ATTENTION IMMEDIATELY. THE SPECIAL INSPECTOR SHALL FURNISH REPORTS, TESTS, AND INSPECTIONS DIRECTLY TO THE BUILDING OFFICIAL, ENGINEER OF RECORD, AND THE OWNER'S AND CONTRACTOR'S CONSTRUCTION MANAGER. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE SPECIAL INSPECTION AGENCY REGARDING INDIVIDUAL INSPECTIONS FOR ITEMS LISTED ON THE SCHEDULE AND AS NOTED ON THE BUILDING DEPARTMENT APPROVED PLANS. ADEQUATE NOTICE AND ACCESS TO APPROVED PLANS SHALL BE PROVIDED SO THAT THE SPECIAL INSPECTOR HAS TIME TO BECOME FAMILIAR WITH THE PROJECT.

1. EARTHWORK (PER SECTION 1704.7 AND TABLE 1704.7)
   - A.) SITE/SUBGRADE PREPARATION INCLUDING PROPER DEPTHS ARE REACHED
   - B.) DURING FILL/NON-EXPANSIVE BASE MATERIAL PLACEMENT INCLUDING PROPER DEPTHS ARE REACHED
   - C.) EVALUATION OF IN-PLACE DENSITY
2. CONCRETE (PER SECTION 1704.4 AND TABLE 1704.4)
   - A.) INSPECTION OF REINFORCING STEEL PLACEMENT.
   - B.) DURING SAMPLING OF FRESH CONCRETE AND PLACING OF REINFORCED CONCRETE
   - C.) VERIFY USE OF REQUIRED DESIGN MIX
   - D.) DURING CONCRETE CURING FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUE.
3. DURING PLACEMENT OF ANCHOR BOLTS OR EMBED PLATES IN CONCRETE.
4. SHOP FABRICATION OF STEEL MEMBERS (PER SECTION 1704.2)
5. STEEL MATERIAL IDENTIFICATION MARKINGS AND COMFORMANCE TO ASTM STANDARDS PER TABLE 1704.3.
6. FOR ALL STRUCTURAL FIELD WELDING PER AWS D1.1, EXCEPT AS FOLLOWS (PER SECTION 1704.3 AND TABLE 1704.3): THE SPECIAL INSPECTOR NEED NOT BE CONTINUOUSLY PRESENT DURING WELDING OF THE FOLLOWING ITEMS, PROVIDED THE MATERIALS, QUALIFICATIONS OF WELDING PROCEDURES AND WELDERS ARE VERIFIED PRIOR TO THE START OF WORK, PERIODIC INSPECTIONS ARE MADE OF WORK IN PROGRESS, AND A VISUAL INSPECTION OF ALL WELDS IS MADE PRIOR TO COMPLETION. WELDING INSPECTOR SHALL BE QUALIFIED PER AWS D1.1:
   - A.) SINGLE-PASS FILLET WELDS NOT EXCEEDING 5/16" SIZE.
   - B.) ROOF DECK WELDING.
   - C.) WELDED SHEET STEEL FOR COLD-FORMED FRAMING MEMBERS SUCH AS STUDS AND JOISTS.
7. PERIODIC INSPECTION OF ALL HIGH STRENGTH BOLT INSTALLATIONS AND VERIFICATION THAT IDENTIFICATION MARKS FOR HIGH STRENGTH BOLTS, NUTS AND WASHERS CONFORM TO APPLICABLE ASTM STANDARDS (PER SECTION 1704.3.3 AND TABLE 1704.3)
8. PERIODIC INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS (PER SECTION 1704.3.2)
9. METAL DECK DIAPHRAGM CONNECTIONS AND CONNECTIONS TO SUPPORTING STEEL FRAME MEMBERS.

ABBREVIATIONS

A.B.	ANCHOR BOLTS
A.F.F.	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
ARCH.	ARCHITECT
BAL.	BALANCE
B.F.F.	BELOW FINISHED FLOOR
B.L.	BLOCK LINTEL
B.O.S.	BOTTOM OF STEEL
BLDG.	BUILDING
BRG.	BEARING
C.L.	CENTER LINE
CLR.	CLEAR
COL.	COLUMN
CONC.	CONCRETE
CMU	CONCRETE MASONRY UNIT
CONST. JT.	CONSTRUCTION JOINT
CONT.	CONTINUOUS
C.J.	CONTROL JOINT
DIA.	DIAMETER
DWGS.	DRAWINGS
E.F.	EACH FACE
E.W.	EACH WAY
ELECT.	ELECTRICAL
ELEV.	ELEVATION
E.O.R.	ENGINEER OF RECORD
EQ	EQUAL
EXIST.	EXISTING
EXP. JT.	EXPANSION JOINT
EXT.	EXTERIOR
F.S.	FARSIDE
F.F.E.	FINISH FLOOR ELEVATION
FIN.	FINISH
FLR.	FLOOR
FTG.	FOOTING
FOUND.	FOUNDATION
GA.	GAUGE (GAGE)
G.B.	GRADE BEAM
GALV.	GALVANIZED
H.S.A.	HEADED STUD ANCHOR
HORIZ.	HORIZONTAL
INFO.	INFORMATION
INSUL.	INSULATION
INT.	INTERIOR
J.B.E.	JOIST BEARING ELEVATION
K	KIPS
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH
KLF	KIPS PER LINEAR FOOT
LT. WT.	LIGHT WEIGHT
L.L.	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LONG.	LONGITUDINAL
MFR.	MANUFACTURER
MAX.	MAXIMUM
M.C.J.	MASONRY CONTROL JOINT
MEZZ.	MEZZANINE
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MTL.	METAL
N.S.	NEAR SIDE
O.C.	ON CENTER
O.H.	OPPOSITE HAND
O.F.	OUTSIDE FACE
P.A.F.S	POWDER ACTUATED FASTENERS
PL.	PLATE
PCF	POUNDS PER CUBIC FOOT
PLF	POUNDS PER LINEAR FOOT
PREP	PREPARATION
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
RE:	REFER
REINF.	REINFORCING
REQD.	REQUIRED
RTU	ROOF TOP UNIT
QTY.	QUANTITY
SCHED.	SCHEDULE
SIM.	SIMILAR
SPECS.	SPECIFICATIONS
STD.	STANDARD
T&B	TOP AND BOTTOM
T.O.G.B.	TOP OF GRADE BEAM
T.O.F.	TOP OF FOOTING
T.O.M.	TOP OF MASONRY
T.O.P.	TOP OF PEDESTAL
T.O.S.	TOP OF STEEL
T.O.W.	TOP OF WALL
TRANS.	TRANSVERSE
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
UNREINF.	UNREINFORCED
VERT.	VERTICAL

COPYRIGHT:

The design and concepts established by these documents are the property of the Architect of Record, and may not be replicated by another architect or designer, nor constructed by this or any other owner for any project except that project for which the design was originally intended, without the express written concent of The Small Group, LLC. No part of this document may be reproduced or utilized in any form without the authorization of The Small Group, LLC. All rights reserved.

Revisions:	Date
1	
2	
3	
4	
5	
6	
7	

AVL Consultant:

Civil Engineers:
VELCON GROUP, INC.
ENGINEERS & SURVEYORS
702 SW PORT ST. LUCIE BOULEVARD
PORT ST. LUCIE, FL 34953
PHONE: 772-879-0477
EMAIL: info@velcongroup.com

MEP Engineers:
darr & collins Consulting Engineers
1425 NW 150th Street
Edmond, OK 73013
Phone: (405) 285-2400

Structural Engineers:
wallace
Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
410 North Walnut Avenue, Suite 200
Oklahoma City, Oklahoma 73104
405.236.5858, 800.364.5858

Planner:
HJA DESIGN STUDIO
LANDSCAPE ARCHITECTURE
50 E. Ocean Blvd.
Stuart, Florida 34994
Phone: 772-678-7200

Seal
PRELIMINARY
NOT FOR
CONSTRUCTION
Oklahoma Certificate of Authorization #1460
Expiration Date: 06/30/2017

Consulting Architects:
smallarchitects
www.smallarchitects.com

Design Team Manager
SPACE

Specialized Planning & Architecture for Church Environments, LLC
108 South Broadway
Edmond, Oklahoma 73034 405.840.1111

Drawing Title: GENERAL STRUCTURAL INFORMATION

Project Title: TREASURE COAST COMMUNITY CHURCH

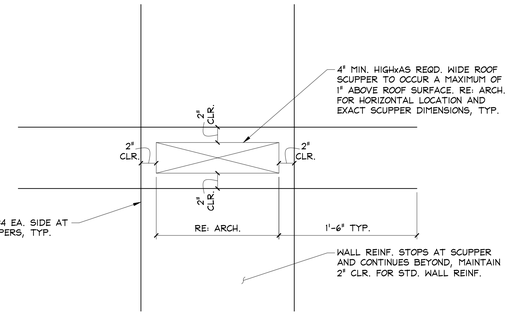
Date: May 9, 2017

Project No.: 16.28.004

Submittal: 35% SUBMITTAL | Checked: FTS | Drawn: ADD

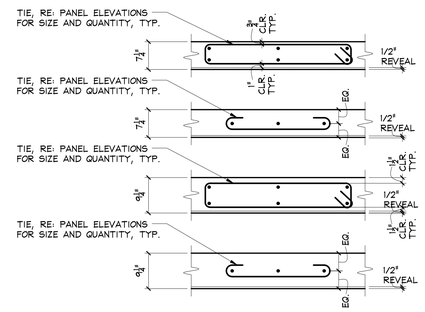
Location: Stuart, Florida

DRAWING NO.: S.000



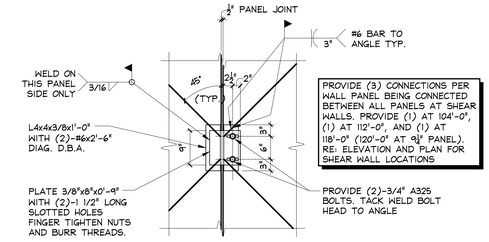
10 SCUPPER OPENING AT TILT WALL PANEL

NO SCALE



9 TYPICAL REINFORCING BAR LAYOUT

SCALE: 3/4"=1'-0"



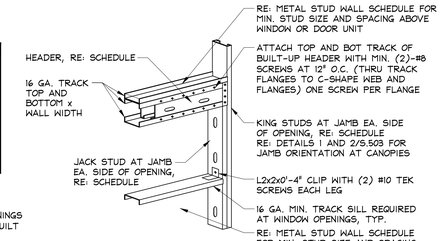
8 TYPICAL PANEL TO PANEL CONNECTION DETAIL

SCALE: 3/4"=1'-0"

HEADER/SILL AND JAMB SCHEDULE - LIGHT GAGE WALLS				
WIDTH	CLEAR SPAN	HEADER	JACK STUD	KING STUD
6"	UP TO 6'-4"	(2)-6"x16 GAGE	(1)-6"x2"X16 GAGE	(3)-6"x2"X16 GAGE
6"	UP TO 9-10" (AT WINDOWS)	(2)-8"x16 GAGE	(1)-6"x2"X16 GAGE	(4)-6"x2"X16 GAGE
8"	UP TO 5'-0"	(2)-6"x16 GAGE	(1)-8"x1⅝"X16 GAGE	(2)-8"x1⅝"X16 GAGE
8"	UP TO 9-10" (AT WINDOWS)	(2)-8"x16 GAGE	(1)-8"x1⅝"X16 GAGE	(3)-8"x1⅝"X16 GAGE

NOTES:

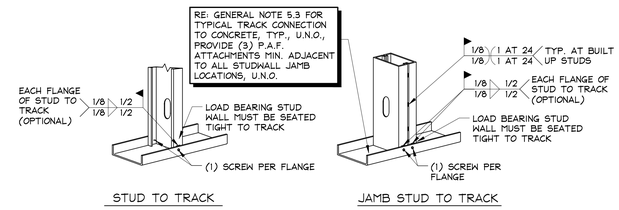
1. USE HEADER SCHEDULE ABOVE, UNLESS NOTED OTHERWISE ON PLANS.
2. USE SINGLE SLIDE CLIP CONNECTION AT KING STUD JAMB TO ROOF CONNECTION AT OPENINGS UP TO CLEAR SPAN = 4'-0". USE DOUBLE SLIDE CLIP CONNECTION (ONE EACH SIDE OF BUILT UP KING STUD JAMB) AT CLEAR SPAN = 4'-1" AND GREATER, RE: DETAILS ON SHEET S.501-S.503 AND NOTE #4 ON 4/S.001.



HEADER/JAMB DIAGRAM

7 HEADER/JAMB SCHEDULE

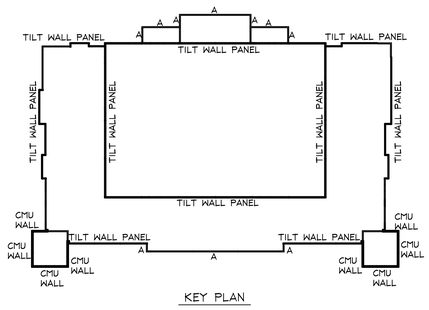
NO SCALE



STUD TO TRACK JAMB STUD TO TRACK

6 STUD TRACK CONNECTION

NO SCALE



KEY PLAN

METAL STUD WALL SCHEDULE				
WALL	DEPTH	FLANGE	GAGE	SPACING
A	8"	1 5/8"	16	16" O.C.

NOTES:

1. ALL STUDS SHALL HAVE A MINIMUM YIELD STRESS OF 50 KSI.
2. RE: ARCH. FOR INTERIOR STUD WALLS NOT SHOWN ON SCHEDULE OR STRUCTURAL DETAILS.
3. METAL STUDS SHALL MATCH DIETRICH CSJ SERIES MINIMUM MEMBER SIZES, THICKNESS, AND GROSS SECTION PROPERTIES.
4. VERTICAL STUD SLIDE CLIPS SHALL BE DIETRICH FASTCLIP SLIDE CLIPS (FCSC) OR APPROVED EQUAL WITH MIN. ALLOWABLE SHEAR CAPACITY OF 500# AT SINGLE VERT. STUDS AND 850# AT BUILT-UP JAMB STUDS PER DETAIL 6/S.001. RE: DETAILS ON SHEETS S.501-S.503 FOR LOCATIONS.

5 METAL STUD WALL SCHEDULE

NO SCALE

FOUNDATION SCHEDULE			
MARK	SIZE (LXWXT)	REINF.	NOTES
WF1	CONT.x2'-0"x1'-4"	(3)-#5xCONT.	1
WF2	CONT.x3'-0"x1'-4"	(4)-#5xCONT.	1
F1	4'-6"x4'-6"x1'-4"	(4)-#6 E.W. BOT.	1,3
F2	5'-0"x5'-0"x1'-4"	(5)-#6 E.W. BOT.	1,3
F3	6'-6"x6'-6"x2'-0"	(6)-#7 E.W. BOT.	1,3
F4	7'-0"x7'-0"x2'-0"	(7)-#7 E.W. BOT.	1,3

NOTES:
1. RE: FDN. PLAN FOR T.O.F. ELEVATIONS.
2. T#B DENOTES TOP AND BOTTOM.
3. T.O. CONC. ELEV. = T.O.F. ELEV. FOR ALL INTERIOR COLUMNS. RE: FDN. PLAN FOR ALL FOOTING ELEVATIONS.

4 FOUNDATION SCHEDULE

NO SCALE

STEEL REINFORCEMENT LAP SCHEDULE						
BAR SIZE	LAP SPLICE (IN)					
	CONC. f'c = 3000 PSI		CONC. f'c = 3500 PSI		CONC. f'c = 4000 PSI	
	HORIZ. BARS	VERT. AND BOTTOM BARS	HORIZ. BARS	VERT. AND BOTTOM BARS	HORIZ. BARS	VERT. AND BOTTOM BARS
3	28	22	26	20	25	19
4	38	29	35	27	33	25
5	47	36	43	33	41	31
6	56	43	52	40	49	37
7	81	63	75	58	71	54
8	93	72	86	66	81	62

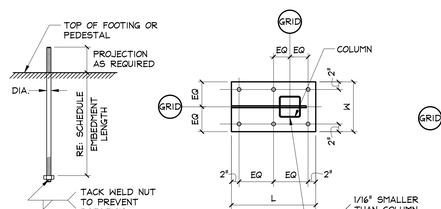
3 STEEL REINFORCEMENT LAP SCHEDULE

NO SCALE

LEGEND	
INDICATES AN ADDITIONAL LIVE LOAD ON FRAMING. RE: NOTE #8 ON S.301A/B	##K INDICATES AXIAL TOP OR BOTTOM CHORD LOAD. RE: NOTE #7 ON S.301: W = ##K, WIND FORCE S = ##K, SEISMIC CHORD OR STRUT FORCE (ASD=E/1.4) Sm = ##K, SEISMIC COLLECTOR FORCE (ASD=EΩ o/1.7)
CMU CONTROL JOINT	
ROOF TOP UNIT (RTU) RE: MECH.	INDICATES CONCENTRATED LOAD RE: NOTE #6 ON S.301A/B
EXHAUST FAN	
ITEMS IN LEGEND MAY NOT OCCUR ON ALL PLANS	

2 PLAN LEGEND

NO SCALE



ANCHOR BOLT NO SCALE

BASE PLATE #3 NO SCALE

BASE PLATE #2 NO SCALE

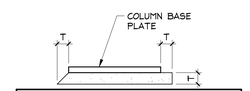
BASE PLATE #1 NO SCALE

COLUMN SCHEDULE				
MARK	SIZE	BASE PLATE (TxWxL)	BASE PLATE TYPE	ANCHOR BOLTS (DIA.xEMBED)
C1	H.S.S.6x6x1/4	3/4"x12"x12"	#1	(4)-3/4"x9"
C2	H.S.S.6x6x1/4	3/4"x13"x22"	#3	(6)-3/4"x9"
C3	H.S.S.10x10x3/8	3/4"x16"x16"	#1	(4)-3/4"x9"

NOTES:
1. WELD BETWEEN COLUMN AND BASE PLATE SHALL MEET AISC MINIMUM REQUIREMENTS.

1 COLUMN SCHEDULE

NO SCALE



GROUT MAY BE BEVELED OR FORMED BUT SHALL EXTEND A MIN OF "T" BEYOND FACE OF BASE PLATE. "T" = 1 1/2" FOR ANCHOR BOLT DIA UP TO 1" AND 2 1/2" FOR 1 1/4" DIA ANCHOR BOLT.

GROUT PLACEMENT NO SCALE

COPYRIGHT:

The design and concepts established by these documents are the property of the Architect of Record, and may not be replicated by another architect or designer, nor constructed by this or any other owner for any project except that project for which the design was originally intended, without the express written concent of The Small Group, LLC. No part of this document may be reproduced or utilized in any form without the authorization of The Small Group, LLC. All rights reserved.

Revisions:	Date
1	
2	
3	
4	
5	
6	
7	

AVL Consultant:

Civil Engineers:
VELCON GROUP, INC.
ENGINEERS & SURVEYORS
702 SW PORT ST. LUCIE BOULEVARD
PORT ST. LUCIE, FL 34953
PHONE: 772-879-0477
EMAIL: info@velcongroup.com

MEP Engineers:
darr & collins Consulting Engineers
1425 NW 150th Street
Edmond, OK 73013
Phone: (405) 285-2400

Structural Engineers:
wallace
Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
410 North Walnut Avenue, Suite 200
Oklahoma City, Oklahoma 73104
405.236.5858, 800.364.5858

Planner:
HJA DESIGN STUDIO
LANDSCAPE ARCHITECTURE
50 E. Ocean Blvd.
Stuart, Florida 34994
Phone: 772-678-7200

Seal
PRELIMINARY
NOT FOR
CONSTRUCTION
Oklahoma Certificate of Authorization #1460
Expiration Date: 06/30/2017

Consulting Architects:
smallarchitects
www.smallarchitects.com

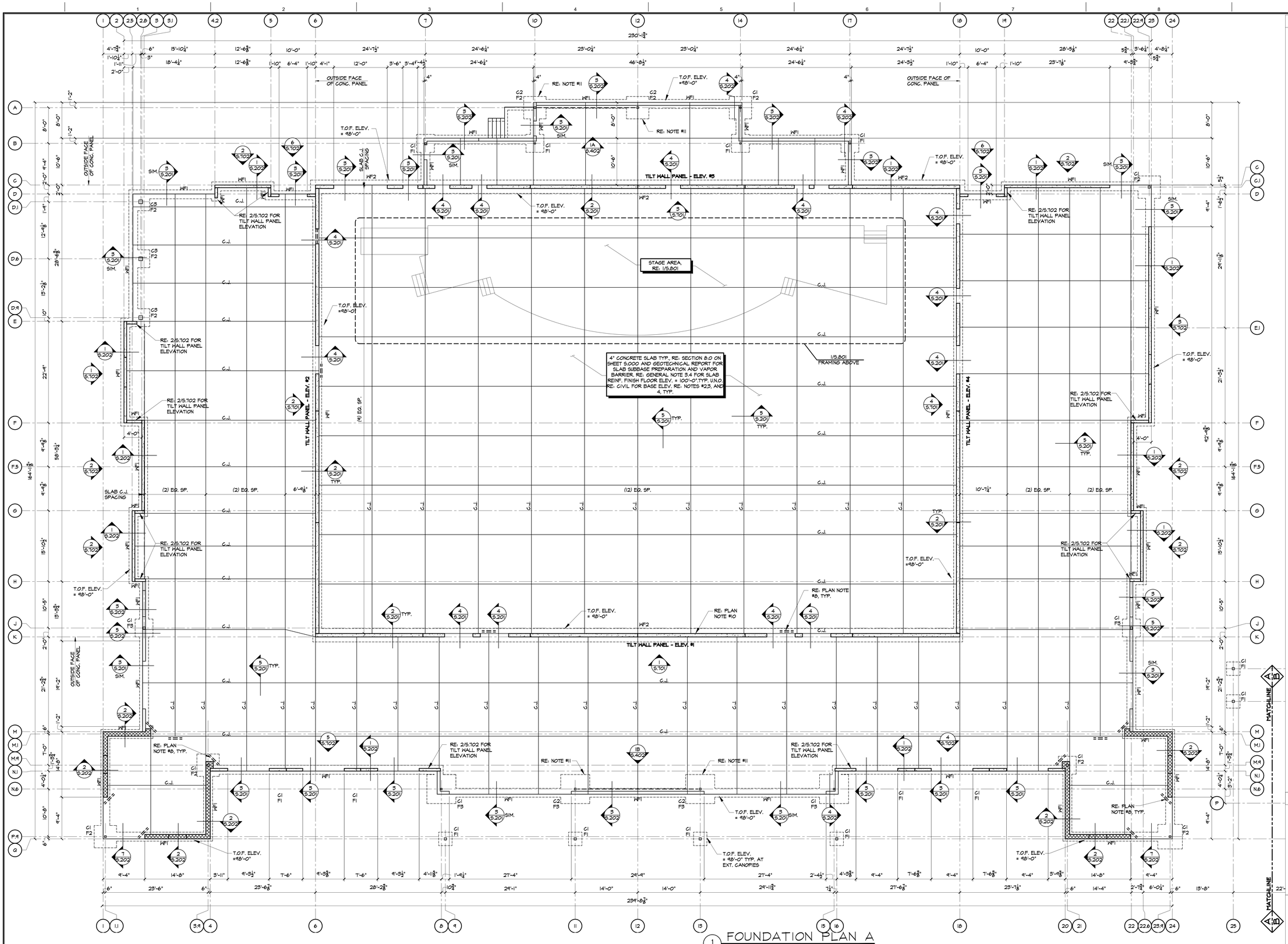
Design Team Manager
SPACE

Drawing Title
GENERAL DETAILS AND SCHEDULES

Specialized Planning & Architecture for Church Environments, LLC
108 South Broadway
Edmond, Oklahoma 73034 405.840.1111

Project Title
TREASURE COAST COMMUNITY CHURCH

Date: May 9, 2017
Project No.: 16.28.004
Submittal: 35% SUBMITTAL
Checked: FTS
Drawn: ADD
Location: Stuart, Florida
DRAWING NO.: S.001



1 FOUNDATION PLAN A
SCALE: 1/8"=1'-0"

NOTES:

1. VERIFY ALL EXTERIOR WALL AND OPENING DIMENSIONS AND LOCATIONS WITH ARCHITECTURAL DRAWINGS.
2. DEVIATION FROM THE C.J. PATTERN ON PLAN SHALL BE APPROVED BY THE ARCHITECT.
3. REFER TO MECHANICAL DRAWINGS FOR DRAIN LOCATIONS AND SLAB DEPRESSIONS AT DRAINS.
4. REFER TO ARCH. AND CIVIL DRAWINGS FOR ALL EXTERIOR CONCRETE AND PAVING, U.N.O.
5. REFER TO ARCH. FOR SPECIFIC CONCRETE FINISHING REQUIREMENTS.
6. RE: MEP FOR PIPE PENETRATIONS AT SLAB AND FOUNDATION LEVEL. RE: GENERAL NOTE 2.5 ON S.000 FOR PENETRATION REQUIREMENTS.
7. CONTRACTOR NOTE: REFER TO GEOTECHNICAL REPORT AND GENERAL NOTES SECTION 8.0 ON SHEET S.000 FOR SUBBASE PREPARATION REQUIREMENTS. ALL SITE PREPARATION WORK, REMOVAL AND REPLACEMENT OF EXISTING SOILS WITH ENGINEERED FILL, AND PROOF-ROLLING AND COMPACTION PROCEDURES SHALL BE OBSERVED AND APPROVED BY THE GEOTECHNICAL ENGINEER. RE: NOTE 2.6 ON SHEET S.000.
8. PROVIDE (2)-#4X3'-0" BARS MIDSLAB AT ALL REENTRANT CORNERS, TYP.
9. REFER TO ARCH. AND CIVIL FOR EXTENT AND EXACT LOCATION OF STOOPS.
10. RE: SHEETS S.101 AND S.102 FOR TILT UP PANEL ELEVATIONS WITH REINFORCING.
11. DO NOT PROVIDE COLUMN PEDESTAL AT FRAME COLUMN. RE: 4/S.202 SIM. AND 3/S.402. COLUMN SHALL BEAR AT T.O. FOOTING ELEV.

KEY PLAN:

COPYRIGHT:

The design and concepts established by these documents are the property of the Architect of Record, and may not be replicated by another architect or designer, nor constructed by this or any other owner for any project except that project for which the design was originally intended, without the express written concent of The Small Group, LLC. No part of this document may be reproduced or utilized in any form without the authorization of The Small Group, LLC. All rights reserved.

Revisions:	Date
1	
2	
3	
4	
5	
6	
7	

AVL Consultant:

Civil Engineers:
VELCON GROUP, INC.
ENGINEERS & SURVEYORS
702 SW PORT ST. LUCIE BOULEVARD
PORT ST. LUCIE, FL 34953
PHONE: 772-879-0477
EMAIL: info@velcongroup.com

MEP Engineers:
darr & collins Consulting Engineers
1425 NW 150th Street
Edmond, OK 73013
Phone: (405) 285-2400

Structural Engineers:
wallace
Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
410 North Walnut Avenue, Suite 200
Oklahoma City, Oklahoma 73104
405.236.5858, 800.364.5858

Planner:
HJA DESIGN STUDIO
LANDSCAPE ARCHITECTURE
50 E. Ocean Blvd.
Stuart, Florida 34994
Phone: 772-678-7200

Seal
PRELIMINARY
NOT FOR
CONSTRUCTION
Oklahoma Certificate of Authorization #1460
Expiration Date: 06/30/2017

Consulting Architects:
smallarchitects
www.smallarchitects.com

Design Team Manager
SPACE

Drawing Title
FOUNDATION PLAN A

Project Title
TREASURE COAST COMMUNITY CHURCH

Date: May 9, 2017
Project No.: 16.28.004

Specialized Planning & Architecture for Church Environments, LLC
108 South Broadway
Edmond, Oklahoma 73034 405.840.1111

Submittal	Checked	Drawn
35% SUBMITTAL	FTS	ADD

Location: Stuart, Florida

DRAWING NO.: S.101A

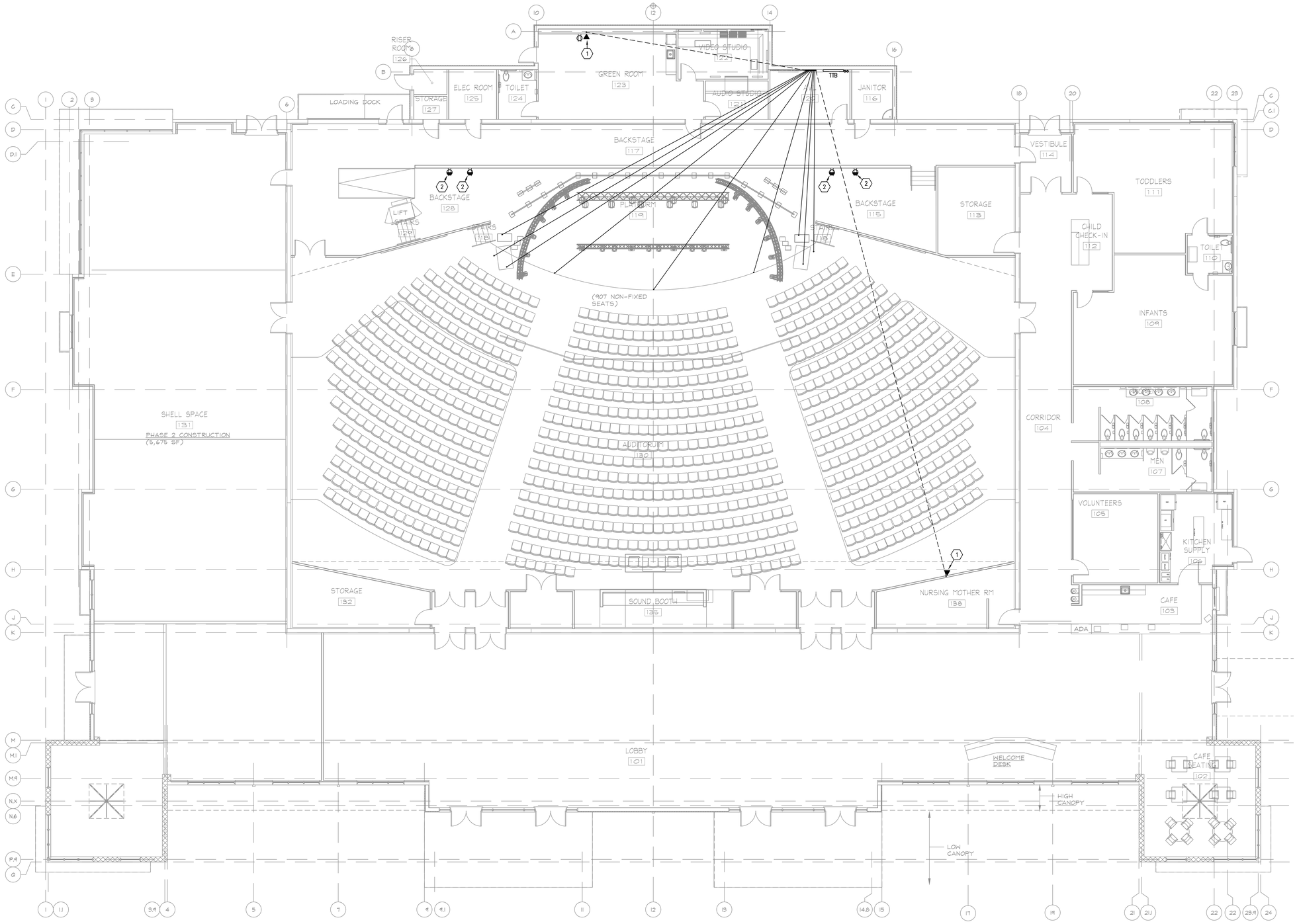
GENERAL NOTES:

A. VERIFY EXACT LOCATIONS OF POWER / DATA BOXES AND CONDUIT ROUTING IN FIELD WITH AV CONTRACTOR PRIOR TO ROUGH-IN. VERIFY EXACT ELECTRICAL REQUIREMENTS FOR AV EQUIPMENT WITH AV CONTRACTOR PRIOR TO BID. PROVIDE COST IN BASE BID FOR ELECTRICAL CONNECTIONS, WIRING, CONDUIT, CIRCUIT BREAKERS, DISCONNECTS, RECEPTACLES AND OTHER APPURTENANCES FOR AV EQUIPMENT. COORDINATE AND COOPERATE WITH AV CONTRACTOR TO PROVIDE A COMPLETE AND OPERATIONAL AV EQUIPMENT SYSTEM.

SPECIFIC NOTES (THIS SHEET ONLY):

(1) ROUTE DATA CONDUIT FROM AVL ROOM TO WALL FOR AUDIO BOX CONNECTION. AUDIO BOX PROVIDED AND INSTALLED BY AV CONTRACTOR. COORDINATE EXACT LOCATION OF CONDUIT ROUTING IN FIELD WITH AV CONTRACTOR PRIOR TO ROUGH-IN.

(2) PROVIDE AND INSTALL 120V/20A DEDICATED RECEPTACLE IN MILLWORK OF AUDIO BOOTH FOR AUDIO EQUIPMENT POWER. VERIFY EXACT LOCATION IN FIELD WITH AV CONTRACTOR PRIOR TO ROUGH-IN.



1 AVL SPEAKER POWER PLAN
SCALE: 1/8"=1'-0"

KEY PLAN:

Revisions:		Date
1		
2		
3		
4		
5		
6		
7		

AVL Consultant:

Civil Engineers:

MEP Engineers:

darr & collins Consulting Engineers
1425 N.W. 150TH ST.
EDMOND, OKLAHOMA 73013 OK#7110
PHONE (405) 285-2400 • FAX (405) 285-2444
©COPYRIGHT 2017 DARR & COLLINS, L.L.C. ALL RIGHTS RESERVED. THIS DRAWING IS PROPERTY OF DARR & COLLINS, L.L.C. ANY MODIFICATION OR USE OF THIS DRAWING WITHOUT EXPRESS WRITTEN AUTHORIZATION OF DARR & COLLINS, L.L.C. IS PROHIBITED.
FP DATE: RCP DATE:
TITLEBLOCK SHEET SIZE: 30X42

Structural Engineers:

wallace
Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
120 East Sheridan, Suite 104
Oklahoma City, Oklahoma 73104
405.236.5858, Fax 405.236.2058

Seal

REVIEW SET - NOT FOR CONSTRUCTION - REVIEW SET - NOT FOR CONSTRUCTION -
THIS DOCUMENT IS PRELIMINARY IN NATURE AND IS NOT A FINAL, SIGNED AND SEALED DOCUMENT

Consulting Architects:

smallarchitects
www.smallarchitects.com

Design Team Manager

SPACE

Drawing Title: AVL SPEAKER POWER PLAN

Specialized Planning & Architecture for Church Environments, LLC
108 South Broadway
Edmond, Oklahoma 73034 405.840.1111

Project Title: TREASURE COAST COMMUNITY CHURCH

Location: Stuart, Florida

Date: June 21, 2017

Project No.: 16.28.004

Submittal: 65% SUBMITTAL | Checked: CD/DC | Drawn: JC/DH

DRAWING NO.: E.704

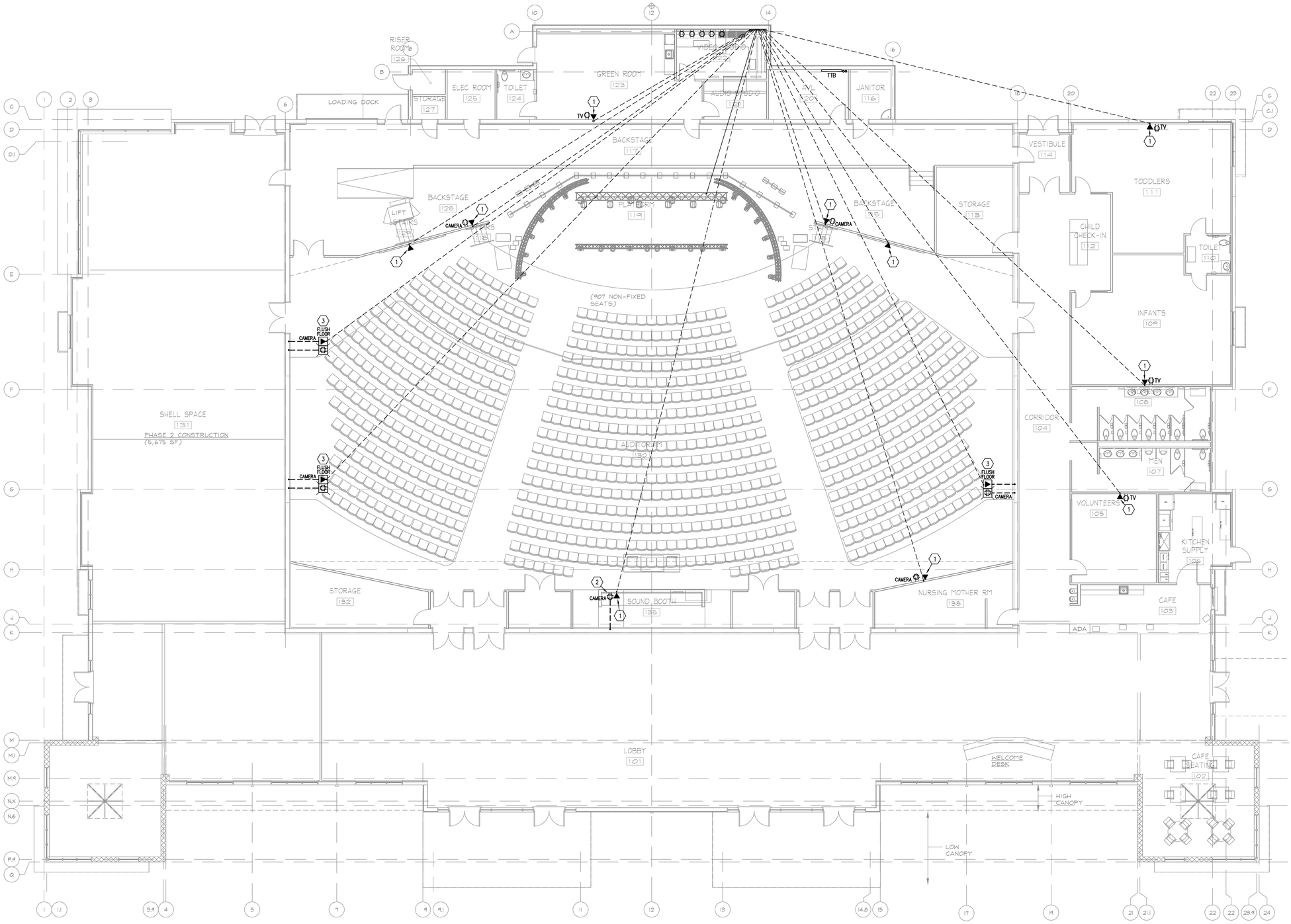
P:\1710\E_704 AVL SPEAKER POWER PLAN.dwg, 6/23/2017 11:24:57 AM, dhnyes, DWG To PDF.pc3, DAREN

GENERAL NOTES:

A. VERIFY EXACT LOCATIONS OF POWER / DATA BOXES AND CONDUIT ROUTING IN FIELD WITH AV CONTRACTOR PRIOR TO ROUGH-IN. VERIFY EXACT ELECTRICAL REQUIREMENTS FOR AV EQUIPMENT WITH AV CONTRACTOR PRIOR TO BID. PROVIDE COST IN BASE BID FOR ELECTRICAL CONNECTIONS, WIRING, CONDUIT, CIRCUIT BREAKERS, DISCONNECTS, RECEPTACLES AND OTHER APPURTENANCES FOR AV EQUIPMENT. COORDINATE AND COOPERATE WITH AV CONTRACTOR TO PROVIDE A COMPLETE AND OPERATIONAL AV EQUIPMENT SYSTEM.

SPECIFIC NOTES (THIS SHEET ONLY):

1. ROUTE DATA CONDUIT FROM AVL ROOM TO WALL FOR AUDIO BOX CONNECTION. AUDIO BOX PROVIDED AND INSTALLED BY AV CONTRACTOR. COORDINATE EXACT LOCATION OF CONDUIT ROUTING IN FIELD WITH AV CONTRACTOR PRIOR TO ROUGH-IN.
2. PROVIDE AND INSTALL 120V/20A DEDICATED RECEPTACLE IN MILLWORK OF AUDIO BOOTH FOR AUDIO EQUIPMENT POWER. VERIFY EXACT LOCATION IN FIELD WITH AV CONTRACTOR PRIOR TO ROUGH-IN.



1 AVL VIDEO POWER PLAN
SCALE: 1/8"=1'-0"

KEY PLAN:

Revisions:		Date
1		
2		
3		
4		
5		
6		
7		

AVL Consultant:

Civil Engineers:

MEP Engineers:

darr & collins Consulting Engineers
1425 N.W. 150TH ST.
EDMOND, OKLAHOMA 73013
PHONE (405) 285-2400 • FAX (405) 285-2444
OK#7110
©COPYRIGHT 2017 DARR & COLLINS, L.L.C. ALL RIGHTS RESERVED. THIS DRAWING IS PROPERTY OF DARR & COLLINS, L.L.C. ANY MODIFICATION OR USE OF THIS DRAWING WITHOUT EXPRESS WRITTEN AUTHORIZATION OF DARR & COLLINS, L.L.C. IS PROHIBITED.
FP DATE: RCP DATE:
TITLEBLOCK SHEET SIZE: 30X42

Structural Engineers:

wallace
Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
120 East Sheridan, Suite 104
Oklahoma City, Oklahoma 73104
405.236.5858, Fax 405.236.2058

Seal

REVIEW SET - NOT FOR CONSTRUCTION - REVIEW SET
THIS DOCUMENT IS PRELIMINARY IN NATURE AND IS NOT A FINAL, SIGNED AND SEALED DOCUMENT

Consulting Architects:

smallarchitects
www.smallarchitects.com

Design Team Manager

SPACE

Drawing Title: AVL VIDEO POWER PLAN

Specialized Planning & Architecture for Church Environments, LLC
108 South Broadway
Edmond, Oklahoma 73034 405.840.1111

Project Title: TREASURE COAST COMMUNITY CHURCH
Location: Stuart, Florida

Date: June 21, 2017
Project No.: 16.28.004
Submittal: 65% SUBMITTAL
Checked: CD/DC
Drawn: JC/DH
DRAWING NO.: E.705

P:\1710\DLE_704 AVL VIDEO POWER PLAN.dwg, 6/20/2017 11:21:27 AM, dhayes, DWG To PDF-42X30.pc3, DAREN